April 17, 2024

Mr. Greggory Miller
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Dear Mr. Miller:

As required by Article IX (A) of the Consent Order (Case #93-3332), this is the First Quarter, 2024 report for the Taylorville Manufactured Gas Plant Site. This report is a summary of events. Reports and notifications of events are reported in addition to this summary throughout the quarter.

First Quarter 2024 – Events

- First quarter 2024 groundwater samples collected in February 2024 (results attached).
- First quarter 2024 pump and treat system samples (results attached).

Second Quarter 2024 – Plans

- Collect Second quarter groundwater samples in May.
- Abandon extraneous off-site monitoring wells (GW-6S, GW-6D, GW-8S, GW-8D, GW-12, and GW-21) as approved by the IEPA in the April 12, 2023, correspondence.

Problems Encountered or Anticipated Problems

We have not encountered and do not anticipate any other abnormal operational or maintenance problems.

We have treated 1,363,601,335 gallons of groundwater through the system since startup until the end of March 2024. There has not been any migration of contamination off-site.

I certify under penalty of law that the specific Activity and Use Limitations identified in Paragraph 7 of the Uniform Environmental Covenant for the Ameren Taylorville MGP site remain in place. I am aware that any person who knowingly makes a false, fictitious, or fraudulent material statement to the Illinois EPA, either orally or in writing, commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony (415 ILCS 5/44(h) (8)).

Sincerely,

Dave Palmer, PG, PMP, EVMP
Manager, Environmental Support & Waste Management
Ameren Services

Attachments

Attachments

Pumping Summary and Treatment Plant Results (January - March)

Monitoring Well Location Map

Year 2024 Quarter 1 Groundwater Sampling Results

MGP Pump & Treat System Summary
Taylorville, Illinois
January 2024

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Jan-24					
1	2,740,692	42,328	West	NM (1)	50
2	2,783,020	37,626	West	NM (1)	52
3	2,820,646	30,863	West	NM (1)	52
4	2,851,509	68,221	West	NM (1)	52
5	2,919,730	53,920	West	NM (1)	50
6	2,973,650	51,918	West	NM (1)	50
7	3,025,568	62,969	West	NM (1)	50
8	3,088,537	41,585	West	NM (1)	50
9	3,130,122	41,289	West	NM (1)	52
10	3,171,411	22,670	West	NM (1)	52
11	3,194,081	66,418	West	NM (1)	52
12	3,260,499	53,161	West	NM (1)	48
13	3,313,660	50,777	West	NM (1)	50
14	3,364,437	46,897	West	NM (1)	50
15	3,411,334	47,196	West	NM (1)	50
16	3,458,530	54,162	West	NM (1)	50
17	3,512,692	23,029	West	NM (1)	50
18	3,535,721	66,888	West	NM (1)	52
19	3,602,609	49,847	West	NM (1)	50
20	3,652,456	57,651	West	NM (1)	50
21	3,710,107	-	West	NM (1)	50
22	NM (2)	-	West	NM (1)	NM (2)
23	3,779,380	52,798	West	NM (1)	52
24	3,832,178	32,301	West	NM (1)	50
25	3,864,479	63,413	West	NM (1)	50
26	3,927,892	40,000	West	NM (1)	50
27	3,967,892	39,755	West	NM (1)	52
28	4,007,647	54,042	West	NM (1)	52
29	4,061,689	45,595	West	NM (1)	52
30	4,107,284	52,698	West	NM (1)	52
31	4,159,982	40,891	West	NM (1)	52
Feb-24	4,200,873				

NM = Not measured
(1) Not measured - RW abandoned
(2) Not measured - Winter weather, no rounds

Flow Data	Gallons
For Month	1,390,908
To Pond	1,390,908
Below Pond	0
Average	47,962
Maximum	68,221
Minimum	22,670
Total Through Dec	1,359,375,673
Total Through Jan	1,360,766,581

Maintenance Summary

Well Cleaning	None	
Vessel	**North**	**South**
Carbon Change	None	None
Cleaned Effluent Backwash Storage	None	None
Back Washed Vessels	1/29/2024	1/29/2024

Changed Bag Filters	**North**	**Middle**	**South**
	Inoperable	1/4/2024	1/4/2024
	Inoperable	1/11/2024	1/11/2024
	Inoperable	1/18/2024	1/18/2024
	Inoperable	1/25/2024	1/25/2024

Drum Disposal None

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
January 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	1/3/2024		1/10/2024		1/18/2024		1/25/2024		1/31/2024		Average	Maximum	
Lab pH		-	-	-	7.05	H	7.01	H	7.02	H	7.05	H	7.03	H	7.03	7.05	H
Iron, Dissolved	mg/L	-	-	-	0.194		0.265		0.232		0.564		0.0601		0.263	0.564	
Iron, Total	mg/L	-	-	-	1.39		1.32		1.35		1.34		1.28		1.34	1.39	
Acenaphthene	mg/L	-	-	0.42	0.0227		0.0160		0.0218		0.0213		0.00979		0.0183	0.0227	
Acenaphthylene	mg/L	-	-	-	0.00939		0.00609		0.01100		0.00747		0.00173		0.00714	0.01100	
Anthracene	mg/L	-	-	2.1	0.00490		0.00369		0.00441		0.00442		0.00353		0.00419	0.00490	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000413**		**0.000240**		**0.000304**		**0.000307**		**0.000255**		0.000304	**0.000413**	
Benzo(a)pyrene	mg/L	-	-	0.00023	0.00018	J	ND		ND		ND		ND		0.00018	0.00018	J
Benzo(b)fluoranthene	mg/L	-	-	-	0.000175		ND		ND		0.000076	J	0.000078	J	0.000110	0.000175	
Benzo(g,h,i)perylene	mg/L	-	-	-	0.000140	J	ND		ND		ND		ND		0.000140	0.000140	J
Benzo(k)fluoranthene	mg/L	-	-	-	0.000098	J	ND		ND		ND		ND		0.000098	0.000098	J
Chrysene	mg/L	-	-	-	0.000364		0.000204		0.000272		0.000251		0.000226		0.000263	0.000364	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00386		0.00301		0.00353		0.00368		0.00292		0.00340	0.00386	
Fluorene	mg/L	-	-	-	0.01100		0.00796		0.01100		0.01170		0.00848		0.01003	0.01170	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	ND		0.00079	J	ND		0.00130	J	ND		0.00105	0.00130	
o-Cresol	mg/L	-	-	0.35	0.0025	J	0.0033	J	ND		0.0059	J	0.0035	J	0.0038	0.0059	
Phenanthrene	mg/L	-	-	-	0.0249		0.0173		0.0257		0.0249		0.0158		0.0217	0.0257	
Pyrene	mg/L	-	-	-	0.00462		0.00298		0.00429		0.00294		0.00299		0.00356	0.00462	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0828		0.0574		0.0823		0.0771		0.0458		0.0691	0.0828	
Benzene	µg/L	-	-	5	**134**		**127**		**111**		**129**		**140**		**128**	**140**	
Ethylbenzene	µg/L	-	-	700	23.7		24.3		22.4		34.8		31.7		27.4	34.8	
m,p-Xylenes	µg/L	-	-	-	37.6		33.7		34.5		41.7		40.3		37.6	41.7	
Naphthalene	µg/L	-	-	25	**215**		**189**		**202**		**231**		**196**		207	**231**	
o-Xylene	µg/L	-	-	-	20.5		18.0	J	19.0		21.5		22.5		20.3	22.5	
Toluene	µg/L	-	-	1000	64.6		62.0		58.9		80.6		71.3		67.5	80.6	
Xylenes, Total	µg/L	-	-	10000	58.1		52.2		53.3		63.2		62.8		57.9	63.2	

NA=Not analyzed
ND=Not detected above the project acceptable detection limit
J = Estimated concentration
BOLD text indicates exceedance of the groundwater quality standard
H = Holding times exceeded

Between Columns
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
January 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	1/3/2024		1/10/2024		1/17/2024		1/24/2024		1/31/2024		Average	Maximum	
Lab pH		-	-	-	7.00	H	7.01	H	7.11	H	7.04	H	7.04	H	7.04	7.11	H
Iron, Dissolved	mg/L	-	-	-	0.0310	J	0.0320	J	ND		0.0542		0.0330	J	0.0376	0.0542	
Iron, Total	mg/L	-	-	-	ND		0.0390	J	0.0330		0.0725		0.0623		0.0517	0.0725	
Acenaphthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	-	-	0.2	J	ND		ND		ND		1.5		0.9	0.2	J
Ethylbenzene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	-	-	ND		ND		ND		ND		1.0		1.0	1.0	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Toluene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	

ND=Not detected above the project acceptable detection limit
J=Analyte detected below quantitation limits
H = Holding times exceeded

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
January 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	1/3/2024		1/10/2024	`	1/17/2024		1/24/2024		1/31/2024		Average	Maximum	
Lab pH		-	-	-	6.99	H	7.03	H	7.00	H	7.06	H	7.02	H	7.02	7.03	
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND		0.020	J	ND		ND		ND		0.020	0.020	J
Acenaphthene	mg/L	-	0.0608	-	ND		ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	0.0023	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	0.001	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		0.000054	J	ND		ND		ND		0.000054	0.000054	J
Chrysene	mg/L	-	-	-	ND		0.000055	J	ND		ND		ND		0.000055	0.000055	J
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	0.053	0.398	-	ND		ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	0.01	-	ND		ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	50	-	ND		ND		0.1	J	ND		ND		0.1	0.1	J
Ethylbenzene	µg/L	17	216	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	670	-	ND		ND		ND		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Toluene	µg/L	70	750	-	ND		ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	117	750	-	ND		ND		ND		ND		ND		ND	ND	

ND=Not detected above the project acceptable detection limit
J=Analyte detected below quantitation limits
H = Holding times exceeded

Trip Blank
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
January 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	1/3/2024	1/10/2024	1/17/2024	1/25/2024	1/31/2024	Average	Maximum
Benzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	ND	ND	ND	ND	0.1	0.1 J
m,p-Xylenes	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Naphthalene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
o-Xylene	µg/L	-	-	-	ND	ND	ND	ND	ND	0.1	0.1 J
Toluene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND

ND=Not detected above the project acceptable detection limit

MGP Pump & Treat System Summary
Taylorville, Illinois
February 2024

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Feb-24					
1	4,200,873	49,968	West	NM (1)	52
2	4,250,841	45,375	West	NM (1)	50
3	4,296,216	48,426	West	NM (1)	50
4	4,344,642	55,213	West	NM (1)	50
5	4,399,855	41,414	West	NM (1)	50
6	4,441,269	39,083	West	NM (1)	52
7	4,480,352	24,109	West	NM (1)	52
8	4,504,461	53,263	West	NM (1)	52
9	4,557,724	42,878	West	NM (1)	52
10	4,600,602	36,238	West	NM (1)	52
11	4,636,840	55,004	West	NM (1)	50
12	4,691,844	33,031	West	NM (1)	50
13	4,724,875	32,700	West	NM (1)	50
14	4,757,575	38,812	West	NM (1)	49
15	4,796,387	73,886	West	NM (1)	46
16	4,870,273	57,296	West	NM (1)	46
17	4,927,569	61,507	West	NM (1)	48
18	4,989,076	64,016	West	NM (1)	48
19	5,053,092	48,818	West	NM (1)	48
20	5,101,910	45,736	West	NM (1)	50
21	5,147,646	26,245	West	NM (1)	50
22	5,173,891	60,224	West	NM (1)	52
23	5,234,115	48,225	West	NM (1)	48
24	5,282,340	62,890	West	NM (1)	50
25	5,345,230	65,615	West	NM (1)	50
26	5,410,845	50,094	West	NM (1)	50
27	5,460,939	49,195	West	NM (1)	50
28	5,510,134	27,510	West	NM (1)	50
29	5,537,644	62,612	West	NM (1)	50
Mar-24	5,600,256				48

(1) Not measured - RW abandoned

Flow Data	Gallons
For Month	1,399,383
To Pond	0
Below Pond	1,399,383
Average	48,255
Maximum	73,886
Minimum	24,109
Total Through Jan	1,360,766,581
Total Through Feb	1,362,165,964

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None	None	
Back Washed Vessels	None	None	
Changed Bag Filters	**North**	**Middle**	**South**
	Inoperable	2/1/24	2/1/24
	Inoperable	2/8/24	2/8/24
	Inoperable	2/15/24	2/15/24
	Inoperable	2/22/24	2/22/24
	Inoperable	2/29/24	2/29/24
Drum Disposal	None		

Note: Increased VFD on 2/14/2024 due to low pumping rate at previous setting.

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
February 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	2/7/2024		2/14/2024	2/21/2024		2/28/2024		Average	Maximum	
Lab pH		-	-	-	6.92	H	7.05	7.00	H	7.04	H	6.99	7.05	
Iron, Dissolved	mg/L	-	-	-	0.0200	J	ND	ND		0.2040		0.1120	0.2040	
Iron, Total	mg/L	-	-	-	1.21		6.22	1.22		1.37		2.51	6.22	
Acenaphthene	mg/L	-	-	0.42	0.0141		0.00914	0.01550		0.01		0.0131	0.0155	
Acenaphthylene	mg/L	-	-	-	0.00418		0.00441	0.00299		0.00		0.00414	0.00499	
Anthracene	mg/L	-	-	2.1	0.00439		0.0128	0.0043		0.00		0.00620	0.01280	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000747**		**0.006180**	**0.000277**		**0.00**		**0.001861**	**0.006180**	
Benzo(a)pyrene	mg/L	-	-	0.00023	**0.000541**		**0.005670**	ND		ND		0.003106	0.005670	
Benzo(b)fluoranthene	mg/L	-	-	-	0.000450		0.00482	ND		ND		0.00264	0.00482	
Benzo(g,h,i)perylene	mg/L	-	-	-	0.000212		0.00293	ND		ND		0.00157	0.00293	
Benzo(k)fluoranthene	mg/L	-	-	-	0.000148		0.00160	ND		ND		0.000874	0.00160	
Chrysene	mg/L	-	-	-	0.000717		0.00545	0.000256		0.000224		0.00166	0.00545	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		0.000563	ND		ND		0.000563	0.000563	
Fluoranthene	mg/L	-	-	0.28	0.00414		0.01840	0.00342		0.00275		0.00718	0.01840	
Fluorene	mg/L	-	-	-	0.0105		0.0135	0.0106		0.0079		0.01063	0.01350	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	0.00016	J	0.00218	ND		ND		0.00117	0.00218	
m,p-Cresol	mg/L	-	-	0.35	ND		ND	ND		0.00069	J	0.00069	0.00069	J
o-Cresol	mg/L	-	-	0.35	0.0024	J	ND	0.0028	J	0.0016	J	0.0023	0.0028	J
Phenanthrene	mg/L	-	-	-	0.0199		0.0407	0.02000		0.0159		0.02413	0.04070	
Pyrene	mg/L	-	-	-	0.00493		0.0244	0.00415		0.00282		0.00908	0.02440	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0651		0.1530	0.0614		0.0481		0.0819	0.1530	
Benzene	µg/L	-	-	5	**123**		**195**	**108**		**110**		**134**	**195**	
Ethylbenzene	µg/L	-	-	700	19.6		36.8	20.2		21.0		24.4	36.8	
m,p-Xylenes	µg/L	-	-	-	33.4		44.3	32.0		33.0		35.7	44.3	
Naphthalene	µg/L	-	-	25	**138**		**337**	**166**		**157**		**200**	**337**	
o-Xylene	µg/L	-	-	-	16.6		23.8	18	J	18	J	19.1	23.8	
Toluene	µg/L	-	-	1000	48.2		82	55		54.2		59.8	81.9	
Xylenes, Total	µg/L	-	-	10000	50.0		68.1	49.6		50.9		54.7	68.1	

ND=Not detected above the project acceptable detection limit
J = Estimated concentration
BOLD text indicates exceedance of the groundwater quality standard
B = Analyte present in method blank
H = Holding times exceeded

Between Columns
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
February 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	2/7/2024		2/14/2024		2/21/2024		2/28/2024		Average	Maximum	
Lab pH		-	-	-	6.93	H	7.00	H	7.01	H	7.01	H	6.99	7.01	
Iron, Dissolved	mg/L	-	-	-	0.0543		ND		ND		0.0465		0.0504	0.0543	J
Iron, Total	mg/L	-	-	-	0.0976		0.0260	J	ND		0.0683		0.0640	0.0976	
Acenaphthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	-	-	1.0		0.7		ND		ND		0.9	1.0	
Ethylbenzene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	-	-	ND		0.6		ND		ND		0.6	0.6	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Toluene	µg/L	-	-	-	ND		ND		ND		ND		0.2	0.2	J
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	

ND=Not detected above the project acceptable detection limit
J=Analyte detected below quantitation limits
B=Analyte found in the method blank at a concentration
H = Holding times exceeded

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
February 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	2/7/2024		2/14/2024		2/21/2024		2/28/2024		Average	Maximum
Lab pH		-	-	-	6.97	H	7.14	H	7.08	H	7.02	H	7.06	7.14
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		ND	ND
Iron, Total	mg/L	2	4	-	ND		ND		ND		ND		ND	ND
Acenaphthene	mg/L	-	0.0608	-	ND		ND		ND		ND		ND	ND
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND
Anthracene	mg/L	-	0.0023	-	ND		ND		ND		ND		ND	ND
Benzo(a)anthracene	mg/L	-	0.001	-	ND		ND		ND		ND		ND	ND
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND		ND		ND		ND	ND
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND
Fluoranthene	mg/L	0.053	0.398	-	ND		ND		ND		ND		ND	ND
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND
m,p-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND	ND
o-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND	ND
Phenanthrene	mg/L	-	0.01	-	ND		ND		ND		ND		ND	ND
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND
Benzene	µg/L	-	50	-	ND		ND		ND		ND		ND	ND
Ethylbenzene	µg/L	17	216	-	ND		ND		ND		ND		ND	ND
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND	ND
Naphthalene	µg/L	-	670	-	ND		ND		ND		ND		ND	ND
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND
Toluene	µg/L	70	750	-	ND		ND		ND		ND		ND	ND
Xylenes, Total	µg/L	117	750	-	ND		ND		ND		ND		ND	ND

ND=Not detected above the project acceptable detection limit
J=Analyte detected below quantitation limits
H = Holding times exceeded

Trip Blank
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
February 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	2/7/2023	2/14/2024	2/21/2024	2/28/2024	Average	Maximum
Benzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
m,p-Xylenes	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Naphthalene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
o-Xylene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Toluene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	ND	ND	ND	ND	ND

ND=Not detected above the project acceptable detection limit

MGP Pump & Treat System Summary
Taylorville, Illinois
March 2024

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Mar-24					
1	5,600,256	51,089	West	NM (1)	48
2	5,651,345	47,850	West	NM (1)	50
3	5,699,195	59,405	West	NM (1)	50
4	5,758,600	29,363	West	NM (1)	52
5	5,787,963	56,268	West	NM (1)	52
6	5,844,231	30,009	West	NM (1)	52
7	5,874,240	58,434	West	NM (1)	50
8	5,932,674	54,388	West	NM (1)	48
9	5,987,062	48,868	West	NM (1)	50
10	6,035,930	37,711	West	NM (1)	50
11	6,073,641	54,032	West	NM (1)	56
12	6,127,673	52,934	West	NM (1)	48
13	6,180,607	30,104	West	NM (1)	50
14	6,210,711	54,941	West	NM (1)	50
15	6,265,652	38,265	West	NM (1)	50
16	6,303,917	39,902	West	NM (1)	50
17	6,343,819	58,928	West	NM (1)	50
18	6,402,747	72,257	West	NM (1)	50
19	6,475,004	52,817	West	NM (1)	50
20	6,527,821	42,177	West	NM (1)	50
21	6,569,998	50,116	West	NM (1)	50
22	6,620,114	34,071	West	NM (1)	50
23	6,654,185	49,453	West	NM (1)	50
24	6,703,638	51,374	West	NM (1)	50
25	6,755,012	29,470	West	NM (1)	50
26	6,784,482	49,764	West	NM (1)	50
27	6,834,246	20,660	West	NM (1)	50
28	6,854,906	39,370	West	NM (1)	50
29	6,894,276	48,724	West	NM (1)	48
30	6,943,000	50,159	West	NM (1)	50
31	6,993,159	42,468	West	NM (1)	50
Apr-24	7,035,627			NM (1)	52

(1) Not measured - RW abandoned

Flow Data	Gallons
For Month	1,435,371
To Pond	1,435,371
Below Pond	0
Average	46,302
Maximum	72,257
Minimum	20,660
Total Through Feb	1,362,165,964
Total Through March	1,363,601,335

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None		
Back Washed Vessels	None	None	
Changed Bag Filters	**North**	**Middle**	**South**
	Inoperable	3/7/24	3/7/24
	Inoperable	3/14/24	3/14/24
	Inoperable	3/21/24	3/21/24
	Inoperable	3/28/24	3/28/24
Drum Disposal	None		

Note: Increased VFD on 3/17/24 due to low GPM on flow sensor.

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
March 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	3/6/2024		3/12/2024		3/20/2024		3/27/2024		Average	Maximum	
Lab pH		-	-	-	6.99	H	7.02	H	6.97	H	6.93	H	6.98	7.02	H
Iron, Dissolved	mg/L	-	-	-	0.386		ND		0.161		0.149		0.23	0.39	
Iron, Total	mg/L	-	-	-	1.33		1.22		1.22		1.24		1.25	1.33	
Acenaphthene	mg/L	-	-	0.42	0.0137		0.0104		0.0167		0.0105		0.0128	0.0167	
Acenaphthylene	mg/L	-	-	-	0.00599		0.00186		0.00623		0.00249		0.00414	0.00623	
Anthracene	mg/L	-	-	2.1	0.00333		0.00385		0.00411		0.00390		0.00380	0.00411	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000368**		**0.000255**		**0.000265**		**0.000407**		0.000324	**0.000407**	
Benzo(a)pyrene	mg/L	-	-	0.00023	0.00018	J	ND		ND		ND		0.00018	0.00018	J
Benzo(b)fluoranthene	mg/L	-	-	-	0.00015	J	ND		ND		0.00014	J	0.00015	0.00015	J
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	0.000341		0.000209		0.000234		0.000257		0.000260	0.000341	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00281		0.00331		0.00321		0.00360		0.00323	0.00360	
Fluorene	mg/L	-	-	-	0.00600		0.00861		0.00865		0.00958		0.00821	0.00958	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	ND		ND		0.00097	J	ND		0.00097	0.00097	J
o-Cresol	mg/L	-	-	0.35	0.00170	J	0.00280	J	0.00320	J	0.00093	J	0.00216	0.00320	J
Phenanthrene	mg/L	-	-	-	0.0156		0.0147		0.0187		0.0168		0.0165	0.0187	
Pyrene	mg/L	-	-	-	0.00364		0.00303		0.00362		0.00405		0.00359	0.00405	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0521		0.0462		0.0617		0.0517		0.0529	0.0617	
Benzene	µg/L	-	-	5	**141**		**127**		**118**		**137**		131	**141**	
Ethylbenzene	µg/L	-	-	700	31.0		ND		27.2		17.7		25.3	31.0	
m,p-Xylenes	µg/L	-	-	-	34.7		33.7		45.8		36.1		37.6	45.8	
Naphthalene	µg/L	-	-	25	**192**		**189**		**167**		**131**		170	**192**	
o-Xylene	µg/L	-	-	-	19.0	J	18.0	J	23.0		20.1		20.0	23.0	
Toluene	µg/L	-	-	1000	75		66		82		52		69	82	
Xylenes, Total	µg/L	-	-	10000	53.9		51.8		68.8		56.2		57.7	68.8	

ND=Not detected above the project acceptable detection limit
J=Analyte detected below reporting limits
BOLD text indicates exceedance of the groundwater quality standard
H = Holding times exceeded

Between Columns
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
March 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	3/6/2024		3/12/2024		3/20/2024		3/27/2024		Average	Maximum	
Lab pH		-	-	-	6.99	H	7.03	H	6.90	H	6.98	H	6.98	7.03	H
Iron, Dissolved	mg/L	-	-	-	0.039	J	ND		0.0609		0.0290	J	0.0430	0.06	J
Iron, Total	mg/L	-	-	-	0.0401		ND		0.0631		0.0360	J	0.0464	0.0631	
Acenaphthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	-	-	ND		ND		2.4		1.6		2.0	2.4	
Ethylbenzene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Toluene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	

ND=Not detected above the project acceptable detection limit
J=Analyte detected below reporting limits
H = Holding times exceeded

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
March 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	3/6/2024		3/12/2024		3/20/2024		3/27/2024		Average	Maximum	
Lab pH		-	-	-	6.94	H	7.04	H	6.99	H	7.10	H	7.02	7.10	H
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND		ND		ND		ND		ND	ND	
Acenaphthene	mg/L	-	0.0608	-	ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	0.0023	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	0.001	-	ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	0.053	0.398	-	ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	0.01	-	ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	50	-	ND		ND		ND		ND		ND	ND	
Ethylbenzene	µg/L	17	216	-	ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	670	-	ND		ND		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Toluene	µg/L	70	750	-	ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	117	750	-	ND		ND		ND		ND		ND	ND	

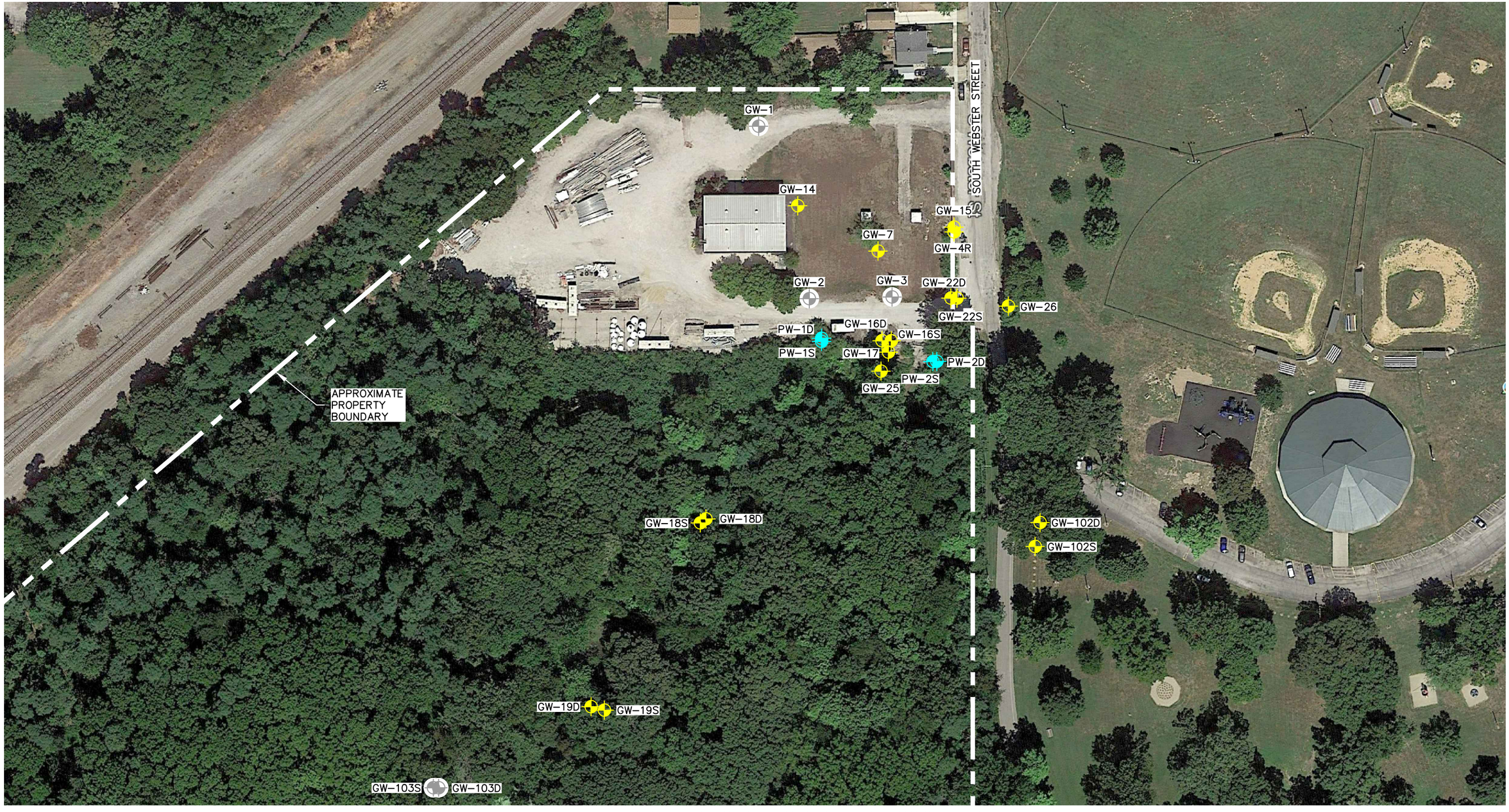
ND=Not detected above the project acceptable detection limit
J=Analyte detected below reporting limits
H = Holding times exceeded

Trip Blank
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
March 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	3/6/2024	3/12/2024	3/20/2024	3/27/2024	Average	Maximum
Benzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
m,p-Xylenes	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Naphthalene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
o-Xylene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Toluene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	ND	ND	ND	ND	ND

ND=Not detected above the project acceptable detection limit
J=Analyte detected below reporting limits

MONITORING WELL LOCATION MAP



NOTE: PERFORMANCE MONITORING WELLS NOT SAMPLED DURING QUARTERLY GROUNDWATER MONITORING.

LEGEND

- MONITORING WELL
- PERFORMANCE MONITORING WELL
- ABANDONED MONITORING WELL

N

0 100 200

SCALE (IN FEET)

Drawn By FAK	ERM	FORMER CIPS MGP SITE 917 SOUTH WEBSTER STREET TAYLORVILLE, ILLINOIS	CHK'D MA
CADD Review ERM			0721631
Date Drawn/Rev'd 4/3/24		Environmental Resources Management	FIGURE 1

\\usbdcfs02\data\Holland\Team\DMMV\Clnt\A-D\AMEREN SERVICES\0721631\0721631-01.dwg MW LOCATION MAP, PRINTED ON 4/3/2024 BY Frank Kauffman

1968 Craig Road
Suite 100
Saint Louis, MO 63146

T +1 314 733 4490
F +1 314 754 8121

erm.com

Mr. Dave Palmer
Ameren Services Company
Manager, Environmental Support & Waste Management
Environmental Strategy & Analysis
1901 Chouteau Avenue / MC 602
St. Louis, Missouri 63103

DATE
28 March 2024

SUBJECT
Year 2024 Quarter 1 Groundwater Sampling Results
Former MGP Site – Taylorville, Illinois

REFERENCE
0721631

Dear Dave:

Environmental Resources Management Inc. (ERM) appreciates the opportunity to provide groundwater sampling services at the Ameren former manufactured gas plant (MGP) site in Taylorville, Illinois (the "Site"). ERM has been performing quarterly groundwater sampling at the Site for Ameren since the start of remediation activities.

Groundwater sampling activities for the first quarter of 2024 occurred from 13 February through 15 February 2024.

The laboratory analytical results from the first quarter of groundwater sampling, provided by Teklab, Inc., are presented in Attachment A. A summary table of the first quarter 2024 sampling results is presented in Attachment B, while groundwater sampling data from 2020 to the present for each monitoring well is presented in Attachment C. The data validation summary for the first quarter of 2024 is presented in Attachment D.

Groundwater Sampling Results

The data for the current quarter is generally consistent with what has been observed during past events, in that the highest level of impacts exceeding applicable Remediation Objectives (ROs) as defined by the Illinois Environmental Protection Agency (IEPA) are noted primarily from groundwater samples collected from monitoring well GW-04R. In the groundwater samples collected at this location during the first quarter 2024 sampling event, benzene and naphthalene were detected above ROs at concentrations in the same order of magnitude to what has been observed historically.

Benzo(a)anthracene and Bis(2-ethylhexyl)phthalate were detected from a groundwater sample collected from monitoring well GW-07 above their applicable ROs. This finding is consistent with historical groundwater analytical results at this location.

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Groundwater sampled collected from monitoring wells located on the downgradient perimeter of the Site, which include monitoring wells GW-16S, GW-16D, GW-17, GW-22S, GW-22D, GW-25, and GW-26, did not have any exceedances of the ROs for the primary Site constituents of concern (COC), with two exceptions discussed below.

- Bis(2-ethylhexyl)phthalate was detected in a groundwater sample collected from monitoring well GW-16D above its RO. This finding is largely consistent with historical groundwater analytical results at this location, as this constituent is intermittently detected at this location.
- Benzene was detected in a groundwater sample collected from monitoring well GW-22S above its RO. This result is not consistent with historical results from groundwater samples collected from this monitoring well. Historically, benzene has not been detected above laboratory reporting limits. ERM requested that the laboratory re-check the reported result, which they confirmed was accurate.

Consistent with previous sampling events, polynuclear aromatic hydrocarbons (PAHs) including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, Dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected at concentrations exceeding the applicable ROs in groundwater samples collected from GW-20. However, volatile organic compounds (VOCs) were not detected at this location above laboratory quantitation limits during this sampling event. VOCs would be expected to be consistently present in samples from GW-20 if the PAHs detected were related to the former MGP Site, however VOCs have not historically been observed at this location.

DATA VALIDATION

ERM reviewed analytical data from the first quarter of 2024 groundwater sampling event for compliance with quality assurance / quality control (QA/QC) and method-prescribed criteria for review of holding time and sample preservation, blank samples, spike samples, surrogate spikes, and duplicate samples.

Additional data review of calibration, internal standards and recalculation was completed for 20 percent of the samples. Following the data validation, none of the sample results required rejection, and the quality of the data generated was determined to be acceptable and usable for decision-making purpose. The imitations indicated by the following applied qualifiers should be considered when using this data. A ‘J’ qualifier indicates the result is an estimated concentration. A ‘J-’ qualifier indicates the result is an estimated concentration with a low bias. A ‘UJ’ qualifier indicates that the result is non-detected with an estimated report limit. A ‘U’ qualifier indicates the result is non-detected following data validation. A ‘j’ qualifier indicates an estimated concentration qualifier added following data validation. Note these qualifiers are applied to sample results in the summary table provided in Attachment C.

Monitoring Well Abandonments and Monitoring Well Conditions

Groundwater samples were not collected from monitoring wells GW-01, GW-02, and GW-03 during the first quarter groundwater sampling event. As discussed in the third quarter 2023 groundwater sampling event report, GW-01 and GW-03 were abandoned by GeoServe Inc, an Illinois licensed driller, on 5 July through 6 July 2023 for facilitation of the in-situ solidification/stabilization (ISS) pilot study activities at the Site. The ISS pilot study activities, including the abandonment of these monitoring wells, was approved by the IEPA in a letter dated 21 June 2023.

Due to damage to the well casing of GW-02, observed during the third quarter 2023 sampling event, GW-02 was abandoned by Cascade LP, an Illinois licensed driller on 8 February 2024. The IEPA was notified of the planned abandonment of this monitoring well by Ameren on 16 January 2024. The well sealing form for the abandonment of this monitoring well was submitted to the Illinois Department of Health (IDPH) on 12 February 2024.

On 12 February 2024, the well protector of GW-04R was observed to be slightly bent to the east. Groundwater gauging and groundwater sampling was still able to be performed during this quarterly sampling event, and initially, the well casing appears to be intact. However, ERM plans to further evaluate GW-04R prior to the next quarterly sampling event through visual observation and redevelopment of the well to evaluate if repairs or abandonment of this monitoring well is appropriate.

The concentration of benzene observed in the first quarter of 2024 groundwater sample collected from monitoring well GW-22S does not appear to be consistent with historical analytical results. Through the first quarter of 2020, benzene was not detected above laboratory reporting limits from samples collected at this location, however it was detected at 115 micrograms per liter (µg/L) in a sample collected during the first quarter 2024 sampling event. It is assumed that the observed increase in benzene concentration is temporary, and due to recent pilot scale ISS activities that occurred adjacent to the location of GW-22S. To further evaluate the concentrations observed, ERM plans to redevelop this monitoring well prior to the second quarter of 2024 groundwater sampling event.

ERM appreciates the opportunity to provide groundwater sampling activities at the Taylorville former MGP Site. Should you have any questions please contact me at (314) 733-4490.

Sincerely,

Michael Abegg, RG (MO)
Senior Consultant

ATTACHMENT A ANALYTICAL RESULTS – FEBRUARY 2024

February 23, 2024

Michael Abegg
ERM
1968 Craig Road
Suite 100
St. Louis, MO 63146
TEL:
FAX:

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

RE: Ameren Taylorville 1st Qtr 2024 **WorkOrder:** 24021240

Dear Michael Abegg:

TEKLAB, INC received 22 samples on 2/15/2024 5:02:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: ERM

Work Order: 24021240

Client Project: Ameren Taylorville 1st Qtr 2024

Report Date: 23-Feb-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	29
Dates Report	30
Quality Control Results	33
Receiving Check List	47
Chain of Custody	Appended

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Client: ERM

Work Order: 24021240

Client Project: Ameren Taylorville 1st Qtr 2024

Report Date: 23-Feb-24

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: ERM

Work Order: 24021240

Client Project: Ameren Taylorville 1st Qtr 2024

Report Date: 23-Feb-24

Cooler Receipt Temp: 5.9 °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

Accreditations

Client: ERM

Work Order: 24021240

Client Project: Ameren Taylorville 1st Qtr 2024

Report Date: 23-Feb-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-001
Client Sample ID: GW-04R-WG-20240215
Matrix: GROUNDWATER
Collection Date: 02/15/2024 14:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.00350	0.00500		**0.0308**	mg/L	50	02/21/2024 13:35	218956
Acenaphthylene	NELAP	).000050	0.000100		**0.00242**	mg/L	1	02/21/2024 2:00	218956
Anthracene	NELAP	).000200	0.000300		**0.000936**	mg/L	1	02/21/2024 2:00	218956
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000113**	mg/L	1	02/21/2024 2:00	218956
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/21/2024 2:00	218956
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 2:00	218956
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 2:00	218956
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 2:00	218956
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/21/2024 2:00	218956
Chrysene	NELAP	).000050	0.000100		**0.000279**	mg/L	1	02/21/2024 2:00	218956
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 2:00	218956
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/21/2024 2:00	218956
Fluoranthene	NELAP	).000270	0.000300		**0.00472**	mg/L	1	02/21/2024 2:00	218956
Fluorene	NELAP	0.00400	0.0100		**0.0719**	mg/L	50	02/21/2024 13:35	218956
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/21/2024 2:00	218956
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/21/2024 2:00	218956
Naphthalene	NELAP	0.170	0.200		**0.839**	mg/L	500	02/21/2024 18:40	218956
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/21/2024 2:00	218956
Phenanthrene	NELAP	0.0265	0.0300		**0.0716**	mg/L	50	02/21/2024 13:35	218956
Pyrene	NELAP	).000180	0.000200		**0.00225**	mg/L	1	02/21/2024 2:00	218956
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**86.1**	%REC	1	02/21/2024 2:00	218956
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**62.0**	%REC	50	02/21/2024 13:35	218956
Surr: 2-Fluorophenol	*	0	35.9-118		**85.7**	%REC	1	02/21/2024 2:00	218956
Surr: Nitrobenzene-d5	*	0	46.6-114		**87.5**	%REC	50	02/21/2024 13:35	218956
Surr: Phenol-d5	*	0	26.8-110		**61.3**	%REC	1	02/21/2024 2:00	218956
Surr: p-Terphenyl-d14	*	0	42.2-147		**102.6**	%REC	1	02/21/2024 2:00	218956
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	1.25	12.5		**1380**	µg/L	25	02/22/2024 12:02	219076
Bromoform	NELAP	2.25	5.00		**ND**	µg/L	25	02/22/2024 12:02	219076
Ethylbenzene	NELAP	2.50	25.0		**322**	µg/L	25	02/22/2024 12:02	219076
m,p-Xylenes	NELAP	5.50	25.0		**124**	µg/L	25	02/22/2024 12:02	219076
Methylene chloride	NELAP	21.8	50.0		**ND**	µg/L	25	02/22/2024 12:02	219076
Naphthalene	NELAP	14.3	50.0		**1700**	µg/L	25	02/22/2024 12:02	219076
o-Xylene	NELAP	1.25	25.0		**182**	µg/L	25	02/22/2024 12:02	219076
Toluene	NELAP	2.50	50.0		**320**	µg/L	25	02/22/2024 12:02	219076
trans-1,2-Dichloroethene	NELAP	2.50	50.0		**ND**	µg/L	25	02/22/2024 12:02	219076
Xylenes, Total	NELAP	7.00	50.0		**306**	µg/L	25	02/22/2024 12:02	219076
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.1**	%REC	25	02/22/2024 12:02	219076
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.5**	%REC	25	02/22/2024 12:02	219076
Surr: Dibromofluoromethane	*	0	80-120		**97.8**	%REC	25	02/22/2024 12:02	219076
Surr: Toluene-d8	*	0	80-120		**99.8**	%REC	25	02/22/2024 12:02	219076

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

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-002
Client Sample ID: GW-05-WG-20240213
Matrix: GROUNDWATER
Collection Date: 02/13/2024 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 13:21	218885
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 13:21	218885
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/20/2024 13:21	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 13:21	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/20/2024 13:21	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 13:21	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 13:21	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 13:21	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/20/2024 13:21	218885
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 13:21	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 13:21	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/20/2024 13:21	218885
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/20/2024 13:21	218885
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/20/2024 13:21	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/20/2024 13:21	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/20/2024 13:21	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/20/2024 13:21	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/20/2024 13:21	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/20/2024 13:21	218885
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/20/2024 13:21	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**83.2**	%REC	1	02/20/2024 13:21	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**67.4**	%REC	1	02/20/2024 13:21	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**62.7**	%REC	1	02/20/2024 13:21	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**69.1**	%REC	1	02/20/2024 13:21	218885
Surr: Phenol-d5	*	0	26.8-110		**58.9**	%REC	1	02/20/2024 13:21	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**99.6**	%REC	1	02/20/2024 13:21	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/22/2024 12:26	219076
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/22/2024 12:26	219076
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/22/2024 12:26	219076
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/22/2024 12:26	219076
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/22/2024 12:26	219076
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/22/2024 12:26	219076
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/22/2024 12:26	219076
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/22/2024 12:26	219076
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/22/2024 12:26	219076
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/22/2024 12:26	219076
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.6**	%REC	1	02/22/2024 12:26	219076
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.8**	%REC	1	02/22/2024 12:26	219076
Surr: Dibromofluoromethane	*	0	80-120		**97.5**	%REC	1	02/22/2024 12:26	219076
Surr: Toluene-d8	*	0	80-120		**100.6**	%REC	1	02/22/2024 12:26	219076

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-003
Client Sample ID: GW-07-WG-20240213
Matrix: GROUNDWATER
Collection Date: 02/13/2024 14:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**0.000139**	mg/L	1	02/20/2024 13:58	218885
Acenaphthylene	NELAP	).000050	0.000100		**0.000178**	mg/L	1	02/20/2024 13:58	218885
Anthracene	NELAP	).000200	0.000300		**0.00167**	mg/L	1	02/20/2024 13:58	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000224**	mg/L	1	02/20/2024 13:58	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/20/2024 13:58	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 13:58	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 13:58	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 13:58	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00715	0.0100		**0.0200**	mg/L	5	02/21/2024 15:30	218885
Chrysene	NELAP	).000050	0.000100		**0.000166**	mg/L	1	02/20/2024 13:58	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 13:58	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/20/2024 13:58	218885
Fluoranthene	NELAP	).000270	0.000300		**0.00118**	mg/L	1	02/20/2024 13:58	218885
Fluorene	NELAP	).000080	0.000200		**0.000365**	mg/L	1	02/20/2024 13:58	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/20/2024 13:58	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/20/2024 13:58	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/20/2024 13:58	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/20/2024 13:58	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/20/2024 13:58	218885
Pyrene	NELAP	).000180	0.000200		**0.00275**	mg/L	1	02/20/2024 13:58	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**85.6**	%REC	1	02/20/2024 13:58	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**72.0**	%REC	1	02/20/2024 13:58	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**65.0**	%REC	1	02/20/2024 13:58	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**73.8**	%REC	1	02/20/2024 13:58	218885
Surr: Phenol-d5	*	0	26.8-110		**61.3**	%REC	1	02/20/2024 13:58	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**98.7**	%REC	1	02/20/2024 13:58	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50	J	**0.15**	µg/L	1	02/21/2024 18:11	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 18:11	219041
Ethylbenzene	NELAP	0.10	1.0	J	**0.12**	µg/L	1	02/21/2024 18:11	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/21/2024 18:11	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 18:11	219041
Naphthalene	NELAP	0.57	2.0	J	**1.2**	µg/L	1	02/21/2024 18:11	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/21/2024 18:11	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 18:11	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 18:11	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/21/2024 18:11	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.8**	%REC	1	02/21/2024 18:11	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.0**	%REC	1	02/21/2024 18:11	219041
Surr: Dibromofluoromethane	*	0	80-120		**99.3**	%REC	1	02/21/2024 18:11	219041
Surr: Toluene-d8	*	0	80-120		**100.7**	%REC	1	02/21/2024 18:11	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-004
Client Sample ID: GW-14-WG-20240213
Matrix: GROUNDWATER
Collection Date: 02/13/2024 16:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 14:36	218885
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 14:36	218885
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/20/2024 14:36	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 14:36	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/20/2024 14:36	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 14:36	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 14:36	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 14:36	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	S	**0.00416**	mg/L	1	02/20/2024 14:36	218885
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 14:36	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 14:36	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/20/2024 14:36	218885
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/20/2024 14:36	218885
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/20/2024 14:36	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/20/2024 14:36	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/20/2024 14:36	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/20/2024 14:36	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/20/2024 14:36	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/20/2024 14:36	218885
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/20/2024 14:36	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**89.9**	%REC	1	02/20/2024 14:36	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**70.4**	%REC	1	02/20/2024 14:36	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**64.9**	%REC	1	02/20/2024 14:36	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**68.1**	%REC	1	02/20/2024 14:36	218885
Surr: Phenol-d5	*	0	26.8-110		**61.7**	%REC	1	02/20/2024 14:36	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**109.1**	%REC	1	02/20/2024 14:36	218885

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

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/21/2024 18:34	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 18:34	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/21/2024 18:34	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/21/2024 18:34	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 18:34	219041
Naphthalene	NELAP	0.57	2.0	J	**0.64**	µg/L	1	02/21/2024 18:34	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/21/2024 18:34	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 18:34	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 18:34	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/21/2024 18:34	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.5**	%REC	1	02/21/2024 18:34	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.1**	%REC	1	02/21/2024 18:34	219041
Surr: Dibromofluoromethane	*	0	80-120		**99.5**	%REC	1	02/21/2024 18:34	219041
Surr: Toluene-d8	*	0	80-120		**100.7**	%REC	1	02/21/2024 18:34	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-005
Client Sample ID: GW-15-WG-20240215
Matrix: GROUNDWATER
Collection Date: 02/15/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.00010	J	**0.000087**	mg/L	1	02/21/2024 2:38	218956
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 2:38	218956
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/21/2024 2:38	218956
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 2:38	218956
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/21/2024 2:38	218956
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 2:38	218956
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 2:38	218956
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 2:38	218956
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/21/2024 2:38	218956
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 2:38	218956
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 2:38	218956
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/21/2024 2:38	218956
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/21/2024 2:38	218956
Fluorene	NELAP	).000080	0.00020	J	**0.00019**	mg/L	1	02/21/2024 2:38	218956
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/21/2024 2:38	218956
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/21/2024 2:38	218956
Naphthalene	NELAP	).000340	0.000400		**0.00250**	mg/L	1	02/21/2024 2:38	218956
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/21/2024 2:38	218956
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/21/2024 2:38	218956
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/21/2024 2:38	218956
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**83.0**	%REC	1	02/21/2024 2:38	218956
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**75.4**	%REC	1	02/21/2024 2:38	218956
Surr: 2-Fluorophenol	*	0	35.9-118		**65.1**	%REC	1	02/21/2024 2:38	218956
Surr: Nitrobenzene-d5	*	0	46.6-114		**74.6**	%REC	1	02/21/2024 2:38	218956
Surr: Phenol-d5	*	0	26.8-110		**60.7**	%REC	1	02/21/2024 2:38	218956
Surr: p-Terphenyl-d14	*	0	42.2-147		**99.2**	%REC	1	02/21/2024 2:38	218956
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/21/2024 19:45	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 19:45	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/21/2024 19:45	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/21/2024 19:45	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 19:45	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/21/2024 19:45	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/21/2024 19:45	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 19:45	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 19:45	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/21/2024 19:45	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.1**	%REC	1	02/21/2024 19:45	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.5**	%REC	1	02/21/2024 19:45	219041
Surr: Dibromofluoromethane	*	0	80-120		**99.1**	%REC	1	02/21/2024 19:45	219041
Surr: Toluene-d8	*	0	80-120		**100.5**	%REC	1	02/21/2024 19:45	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-006
Client Sample ID: GW-16S-WG-20240213
Matrix: GROUNDWATER
Collection Date: 02/13/2024 16:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 16:29	218885
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 16:29	218885
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/20/2024 16:29	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 16:29	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/20/2024 16:29	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 16:29	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 16:29	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 16:29	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/20/2024 16:29	218885
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 16:29	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 16:29	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/20/2024 16:29	218885
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/20/2024 16:29	218885
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/20/2024 16:29	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/20/2024 16:29	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/20/2024 16:29	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/20/2024 16:29	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/20/2024 16:29	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/20/2024 16:29	218885
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/20/2024 16:29	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**96.3**	%REC	1	02/20/2024 16:29	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**81.7**	%REC	1	02/20/2024 16:29	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**77.8**	%REC	1	02/20/2024 16:29	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**82.9**	%REC	1	02/20/2024 16:29	218885
Surr: Phenol-d5	*	0	26.8-110		**68.9**	%REC	1	02/20/2024 16:29	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**108.2**	%REC	1	02/20/2024 16:29	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/21/2024 20:09	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 20:09	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/21/2024 20:09	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/21/2024 20:09	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 20:09	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/21/2024 20:09	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/21/2024 20:09	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 20:09	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 20:09	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/21/2024 20:09	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**99.9**	%REC	1	02/21/2024 20:09	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.0**	%REC	1	02/21/2024 20:09	219041
Surr: Dibromofluoromethane	*	0	80-120		**98.9**	%REC	1	02/21/2024 20:09	219041
Surr: Toluene-d8	*	0	80-120		**100.9**	%REC	1	02/21/2024 20:09	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-007
Client Sample ID: GW-16D-WG-20240214
Matrix: GROUNDWATER
Collection Date: 02/14/2024 16:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 18:23	218885
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 18:23	218885
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/20/2024 18:23	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 18:23	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/20/2024 18:23	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 18:23	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 18:23	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 18:23	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00286	0.00400		**0.00770**	mg/L	2	02/21/2024 14:51	218885
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 18:23	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 18:23	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/20/2024 18:23	218885
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/20/2024 18:23	218885
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/20/2024 18:23	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/20/2024 18:23	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/20/2024 18:23	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/20/2024 18:23	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/20/2024 18:23	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/20/2024 18:23	218885
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/20/2024 18:23	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**98.2**	%REC	1	02/20/2024 18:23	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**78.1**	%REC	1	02/20/2024 18:23	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**70.1**	%REC	1	02/20/2024 18:23	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**78.0**	%REC	1	02/20/2024 18:23	218885
Surr: Phenol-d5	*	0	26.8-110		**61.2**	%REC	1	02/20/2024 18:23	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**117.3**	%REC	1	02/20/2024 18:23	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**0.71**	µg/L	1	02/21/2024 20:34	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 20:34	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/21/2024 20:34	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/21/2024 20:34	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 20:34	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/21/2024 20:34	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/21/2024 20:34	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 20:34	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 20:34	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/21/2024 20:34	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.9**	%REC	1	02/21/2024 20:34	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.4**	%REC	1	02/21/2024 20:34	219041
Surr: Dibromofluoromethane	*	0	80-120		**98.7**	%REC	1	02/21/2024 20:34	219041
Surr: Toluene-d8	*	0	80-120		**100.5**	%REC	1	02/21/2024 20:34	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-008
Client Sample ID: GW-17-WG-20240214
Matrix: GROUNDWATER
Collection Date: 02/14/2024 15:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 19:01	218885
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 19:01	218885
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/20/2024 19:01	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 19:01	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/20/2024 19:01	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 19:01	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 19:01	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 19:01	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/20/2024 19:01	218885
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 19:01	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 19:01	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/20/2024 19:01	218885
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/20/2024 19:01	218885
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/20/2024 19:01	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/20/2024 19:01	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/20/2024 19:01	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/20/2024 19:01	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/20/2024 19:01	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/20/2024 19:01	218885
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/20/2024 19:01	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**91.1**	%REC	1	02/20/2024 19:01	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**76.2**	%REC	1	02/20/2024 19:01	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**65.4**	%REC	1	02/20/2024 19:01	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**77.7**	%REC	1	02/20/2024 19:01	218885
Surr: Phenol-d5	*	0	26.8-110		**56.4**	%REC	1	02/20/2024 19:01	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**104.4**	%REC	1	02/20/2024 19:01	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/21/2024 20:58	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 20:58	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/21/2024 20:58	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/21/2024 20:58	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 20:58	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/21/2024 20:58	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/21/2024 20:58	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 20:58	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 20:58	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/21/2024 20:58	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.5**	%REC	1	02/21/2024 20:58	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.7**	%REC	1	02/21/2024 20:58	219041
Surr: Dibromofluoromethane	*	0	80-120		**99.3**	%REC	1	02/21/2024 20:58	219041
Surr: Toluene-d8	*	0	80-120		**100.4**	%REC	1	02/21/2024 20:58	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-009
Client Sample ID: GW-18S-WG-20240214
Matrix: GROUNDWATER
Collection Date: 02/14/2024 12:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 19:39	218885
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 19:39	218885
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/20/2024 19:39	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 19:39	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/20/2024 19:39	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 19:39	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 19:39	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 19:39	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00266**	mg/L	1	02/20/2024 19:39	218885
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 19:39	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 19:39	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/20/2024 19:39	218885
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/20/2024 19:39	218885
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/20/2024 19:39	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/20/2024 19:39	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/20/2024 19:39	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/20/2024 19:39	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/20/2024 19:39	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/20/2024 19:39	218885
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/20/2024 19:39	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**96.2**	%REC	1	02/20/2024 19:39	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**78.0**	%REC	1	02/20/2024 19:39	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**68.4**	%REC	1	02/20/2024 19:39	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**79.2**	%REC	1	02/20/2024 19:39	218885
Surr: Phenol-d5	*	0	26.8-110		**61.1**	%REC	1	02/20/2024 19:39	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**111.4**	%REC	1	02/20/2024 19:39	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/21/2024 21:22	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 21:22	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/21/2024 21:22	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/21/2024 21:22	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 21:22	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/21/2024 21:22	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/21/2024 21:22	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 21:22	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 21:22	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/21/2024 21:22	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.3**	%REC	1	02/21/2024 21:22	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.0**	%REC	1	02/21/2024 21:22	219041
Surr: Dibromofluoromethane	*	0	80-120		**99.7**	%REC	1	02/21/2024 21:22	219041
Surr: Toluene-d8	*	0	80-120		**100.4**	%REC	1	02/21/2024 21:22	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-010
Client Sample ID: GW-18D-WG-20240214
Matrix: GROUNDWATER
Collection Date: 02/14/2024 12:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 3:54	218885
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 3:54	218885
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/21/2024 3:54	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 3:54	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/21/2024 3:54	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 3:54	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 3:54	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 3:54	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/21/2024 3:54	218885
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 3:54	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 3:54	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/21/2024 3:54	218885
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/21/2024 3:54	218885
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/21/2024 3:54	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/21/2024 3:54	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/21/2024 3:54	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/21/2024 3:54	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/21/2024 3:54	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/21/2024 3:54	218885
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/21/2024 3:54	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**103.7**	%REC	1	02/21/2024 3:54	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**77.8**	%REC	1	02/21/2024 3:54	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**62.1**	%REC	1	02/21/2024 3:54	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**75.9**	%REC	1	02/21/2024 3:54	218885
Surr: Phenol-d5	*	0	26.8-110		**52.0**	%REC	1	02/21/2024 3:54	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**109.4**	%REC	1	02/21/2024 3:54	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/21/2024 21:47	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 21:47	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/21/2024 21:47	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/21/2024 21:47	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 21:47	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/21/2024 21:47	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/21/2024 21:47	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 21:47	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.0	J	**0.19**	µg/L	1	02/21/2024 21:47	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/21/2024 21:47	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.8**	%REC	1	02/21/2024 21:47	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.6**	%REC	1	02/21/2024 21:47	219041
Surr: Dibromofluoromethane	*	0	80-120		**99.7**	%REC	1	02/21/2024 21:47	219041
Surr: Toluene-d8	*	0	80-120		**100.4**	%REC	1	02/21/2024 21:47	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-011
Client Sample ID: GW-19S-WG-20240214
Matrix: GROUNDWATER
Collection Date: 02/14/2024 10:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 4:32	218885
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 4:32	218885
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/21/2024 4:32	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 4:32	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/21/2024 4:32	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 4:32	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 4:32	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 4:32	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/21/2024 4:32	218885
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 4:32	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 4:32	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/21/2024 4:32	218885
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/21/2024 4:32	218885
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/21/2024 4:32	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/21/2024 4:32	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/21/2024 4:32	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/21/2024 4:32	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/21/2024 4:32	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/21/2024 4:32	218885
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/21/2024 4:32	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**88.1**	%REC	1	02/21/2024 4:32	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**70.2**	%REC	1	02/21/2024 4:32	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**57.2**	%REC	1	02/21/2024 4:32	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**68.9**	%REC	1	02/21/2024 4:32	218885
Surr: Phenol-d5	*	0	26.8-110		**53.7**	%REC	1	02/21/2024 4:32	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**99.4**	%REC	1	02/21/2024 4:32	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/21/2024 22:11	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 22:11	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/21/2024 22:11	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/21/2024 22:11	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 22:11	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/21/2024 22:11	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/21/2024 22:11	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 22:11	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 22:11	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/21/2024 22:11	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.9**	%REC	1	02/21/2024 22:11	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.0**	%REC	1	02/21/2024 22:11	219041
Surr: Dibromofluoromethane	*	0	80-120		**99.6**	%REC	1	02/21/2024 22:11	219041
Surr: Toluene-d8	*	0	80-120		**100.6**	%REC	1	02/21/2024 22:11	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-012
Client Sample ID: GW-19D-WG-20240214
Matrix: GROUNDWATER
Collection Date: 02/14/2024 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 5:11	218885
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 5:11	218885
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/21/2024 5:11	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 5:11	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/21/2024 5:11	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 5:11	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 5:11	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 5:11	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00201**	mg/L	1	02/21/2024 5:11	218885
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 5:11	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 5:11	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/21/2024 5:11	218885
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/21/2024 5:11	218885
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/21/2024 5:11	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/21/2024 5:11	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/21/2024 5:11	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/21/2024 5:11	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/21/2024 5:11	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/21/2024 5:11	218885
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/21/2024 5:11	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**88.1**	%REC	1	02/21/2024 5:11	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**68.9**	%REC	1	02/21/2024 5:11	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**60.0**	%REC	1	02/21/2024 5:11	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**70.6**	%REC	1	02/21/2024 5:11	218885
Surr: Phenol-d5	*	0	26.8-110		**48.0**	%REC	1	02/21/2024 5:11	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**97.6**	%REC	1	02/21/2024 5:11	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/21/2024 22:34	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 22:34	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/21/2024 22:34	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/21/2024 22:34	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 22:34	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/21/2024 22:34	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/21/2024 22:34	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 22:34	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 22:34	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/21/2024 22:34	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.8**	%REC	1	02/21/2024 22:34	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.2**	%REC	1	02/21/2024 22:34	219041
Surr: Dibromofluoromethane	*	0	80-120		**98.7**	%REC	1	02/21/2024 22:34	219041
Surr: Toluene-d8	*	0	80-120		**99.8**	%REC	1	02/21/2024 22:34	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-013
Client Sample ID: GW-20-WG-20240214
Matrix: GROUNDWATER
Collection Date: 02/14/2024 8:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 5:49	218885
Acenaphthylene	NELAP	).000050	0.000100		**0.000172**	mg/L	1	02/21/2024 5:49	218885
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/21/2024 5:49	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000177**	mg/L	1	02/21/2024 5:49	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**0.000579**	mg/L	1	02/21/2024 5:49	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**0.000563**	mg/L	1	02/21/2024 5:49	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**0.000562**	mg/L	1	02/21/2024 5:49	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**0.000153**	mg/L	1	02/21/2024 5:49	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/21/2024 5:49	218885
Chrysene	NELAP	).000050	0.000100		**0.000236**	mg/L	1	02/21/2024 5:49	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 5:49	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/21/2024 5:49	218885
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/21/2024 5:49	218885
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/21/2024 5:49	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**0.000374**	mg/L	1	02/21/2024 5:49	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/21/2024 5:49	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/21/2024 5:49	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/21/2024 5:49	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/21/2024 5:49	218885
Pyrene	NELAP	).000180	0.000200		**0.000294**	mg/L	1	02/21/2024 5:49	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**94.1**	%REC	1	02/21/2024 5:49	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**79.3**	%REC	1	02/21/2024 5:49	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**67.7**	%REC	1	02/21/2024 5:49	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**74.7**	%REC	1	02/21/2024 5:49	218885
Surr: Phenol-d5	*	0	26.8-110		**58.5**	%REC	1	02/21/2024 5:49	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**96.0**	%REC	1	02/21/2024 5:49	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/21/2024 22:58	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 22:58	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/21/2024 22:58	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/21/2024 22:58	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 22:58	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/21/2024 22:58	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/21/2024 22:58	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 22:58	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 22:58	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/21/2024 22:58	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.2**	%REC	1	02/21/2024 22:58	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.2**	%REC	1	02/21/2024 22:58	219041
Surr: Dibromofluoromethane	*	0	80-120		**99.5**	%REC	1	02/21/2024 22:58	219041
Surr: Toluene-d8	*	0	80-120		**100.2**	%REC	1	02/21/2024 22:58	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-014
Client Sample ID: GW-21-WG-20240215
Matrix: GROUNDWATER
Collection Date: 02/15/2024 9:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 3:16	218956
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 3:16	218956
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/21/2024 3:16	218956
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 3:16	218956
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/21/2024 3:16	218956
Benzo(b)fluoranthene	NELAP	).000070	0.00010	J	**0.000081**	mg/L	1	02/21/2024 3:16	218956
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 3:16	218956
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 3:16	218956
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/21/2024 3:16	218956
Chrysene	NELAP	).000050	0.00010	J	**0.000059**	mg/L	1	02/21/2024 3:16	218956
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 3:16	218956
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/21/2024 3:16	218956
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/21/2024 3:16	218956
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/21/2024 3:16	218956
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/21/2024 3:16	218956
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/21/2024 3:16	218956
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/21/2024 3:16	218956
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/21/2024 3:16	218956
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/21/2024 3:16	218956
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/21/2024 3:16	218956
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**85.8**	%REC	1	02/21/2024 3:16	218956
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**72.1**	%REC	1	02/21/2024 3:16	218956
Surr: 2-Fluorophenol	*	0	35.9-118		**64.0**	%REC	1	02/21/2024 3:16	218956
Surr: Nitrobenzene-d5	*	0	46.6-114		**66.2**	%REC	1	02/21/2024 3:16	218956
Surr: Phenol-d5	*	0	26.8-110		**52.9**	%REC	1	02/21/2024 3:16	218956
Surr: p-Terphenyl-d14	*	0	42.2-147		**93.0**	%REC	1	02/21/2024 3:16	218956
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/21/2024 23:22	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 23:22	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/21/2024 23:22	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/21/2024 23:22	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 23:22	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/21/2024 23:22	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/21/2024 23:22	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 23:22	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 23:22	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/21/2024 23:22	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.4**	%REC	1	02/21/2024 23:22	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**102.7**	%REC	1	02/21/2024 23:22	219041
Surr: Dibromofluoromethane	*	0	80-120		**98.7**	%REC	1	02/21/2024 23:22	219041
Surr: Toluene-d8	*	0	80-120		**100.8**	%REC	1	02/21/2024 23:22	219041

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-015
Client Sample ID: GW-22S-WG-20240215
Matrix: GROUNDWATER
Collection Date: 02/15/2024 11:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 16:08	218956
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 16:08	218956
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/21/2024 16:08	218956
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 16:08	218956
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/21/2024 16:08	218956
Benzo(b)fluoranthene	NELAP	).000070	0.00010	J	**0.000078**	mg/L	1	02/21/2024 16:08	218956
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 16:08	218956
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 16:08	218956
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00242**	mg/L	1	02/21/2024 16:08	218956
Chrysene	NELAP	).000050	0.00010	J	**0.000065**	mg/L	1	02/21/2024 16:08	218956
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 16:08	218956
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/21/2024 16:08	218956
Fluoranthene	NELAP	0.00027	0.00030	J	**0.00029**	mg/L	1	02/21/2024 16:08	218956
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/21/2024 16:08	218956
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/21/2024 16:08	218956
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/21/2024 16:08	218956
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/21/2024 16:08	218956
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/21/2024 16:08	218956
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/21/2024 16:08	218956
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/21/2024 16:08	218956
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**85.7**	%REC	1	02/21/2024 16:08	218956
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**73.6**	%REC	1	02/21/2024 16:08	218956
Surr: 2-Fluorophenol	*	0	35.9-118		**68.8**	%REC	1	02/21/2024 16:08	218956
Surr: Nitrobenzene-d5	*	0	46.6-114		**74.6**	%REC	1	02/21/2024 16:08	218956
Surr: Phenol-d5	*	0	26.8-110		**62.4**	%REC	1	02/21/2024 16:08	218956
Surr: p-Terphenyl-d14	*	0	42.2-147		**102.2**	%REC	1	02/21/2024 16:08	218956
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**115**	µg/L	1	02/21/2024 23:45	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/21/2024 23:45	219041
Ethylbenzene	NELAP	0.10	1.00		**1.98**	µg/L	1	02/21/2024 23:45	219041
m,p-Xylenes	NELAP	0.22	1.0	J	**0.75**	µg/L	1	02/21/2024 23:45	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/21/2024 23:45	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/21/2024 23:45	219041
o-Xylene	NELAP	0.05	1.00		**2.51**	µg/L	1	02/21/2024 23:45	219041
Toluene	NELAP	0.10	2.0	J	**1.0**	µg/L	1	02/21/2024 23:45	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/21/2024 23:45	219041
Xylenes, Total	NELAP	0.28	2.00		**3.26**	µg/L	1	02/21/2024 23:45	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.4**	%REC	1	02/21/2024 23:45	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.0**	%REC	1	02/21/2024 23:45	219041
Surr: Dibromofluoromethane	*	0	80-120		**98.5**	%REC	1	02/21/2024 23:45	219041
Surr: Toluene-d8	*	0	80-120		**101.3**	%REC	1	02/21/2024 23:45	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-016
Client Sample ID: GW-22D-WG-20240215
Matrix: GROUNDWATER
Collection Date: 02/15/2024 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 14:13	218956
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 14:13	218956
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/21/2024 14:13	218956
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 14:13	218956
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/21/2024 14:13	218956
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 14:13	218956
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 14:13	218956
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 14:13	218956
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/21/2024 14:13	218956
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 14:13	218956
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 14:13	218956
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/21/2024 14:13	218956
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/21/2024 14:13	218956
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/21/2024 14:13	218956
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/21/2024 14:13	218956
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/21/2024 14:13	218956
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/21/2024 14:13	218956
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/21/2024 14:13	218956
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/21/2024 14:13	218956
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/21/2024 14:13	218956
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**76.6**	%REC	1	02/21/2024 14:13	218956
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**76.4**	%REC	1	02/21/2024 14:13	218956
Surr: 2-Fluorophenol	*	0	35.9-118		**62.1**	%REC	1	02/21/2024 14:13	218956
Surr: Nitrobenzene-d5	*	0	46.6-114		**69.4**	%REC	1	02/21/2024 14:13	218956
Surr: Phenol-d5	*	0	26.8-110		**54.6**	%REC	1	02/21/2024 14:13	218956
Surr: p-Terphenyl-d14	*	0	42.2-147		**97.2**	%REC	1	02/21/2024 14:13	218956
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/22/2024 0:09	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/22/2024 0:09	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/22/2024 0:09	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/22/2024 0:09	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/22/2024 0:09	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/22/2024 0:09	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/22/2024 0:09	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/22/2024 0:09	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/22/2024 0:09	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/22/2024 0:09	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.7**	%REC	1	02/22/2024 0:09	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.9**	%REC	1	02/22/2024 0:09	219041
Surr: Dibromofluoromethane	*	0	80-120		**99.6**	%REC	1	02/22/2024 0:09	219041
Surr: Toluene-d8	*	0	80-120		**100.2**	%REC	1	02/22/2024 0:09	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-017
Client Sample ID: DUP-001-WG-20240213
Matrix: GROUNDWATER
Collection Date: 02/13/2024 0:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**0.000130**	mg/L	1	02/20/2024 17:07	218885
Acenaphthylene	NELAP	).000050	0.000100		**0.000157**	mg/L	1	02/20/2024 17:07	218885
Anthracene	NELAP	).000200	0.000300		**0.00149**	mg/L	1	02/20/2024 17:07	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000204**	mg/L	1	02/20/2024 17:07	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/20/2024 17:07	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 17:07	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 17:07	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 17:07	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00715	0.0100		**0.0180**	mg/L	5	02/21/2024 16:46	218885
Chrysene	NELAP	).000050	0.000100		**0.000166**	mg/L	1	02/20/2024 17:07	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 17:07	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/20/2024 17:07	218885
Fluoranthene	NELAP	).000270	0.000300		**0.00111**	mg/L	1	02/20/2024 17:07	218885
Fluorene	NELAP	).000080	0.000200		**0.000351**	mg/L	1	02/20/2024 17:07	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/20/2024 17:07	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/20/2024 17:07	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/20/2024 17:07	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/20/2024 17:07	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/20/2024 17:07	218885
Pyrene	NELAP	).000180	0.000200		**0.00262**	mg/L	1	02/20/2024 17:07	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**90.3**	%REC	1	02/20/2024 17:07	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**72.5**	%REC	1	02/20/2024 17:07	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**61.4**	%REC	1	02/20/2024 17:07	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**66.3**	%REC	1	02/20/2024 17:07	218885
Surr: Phenol-d5	*	0	26.8-110		**59.3**	%REC	1	02/20/2024 17:07	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**97.5**	%REC	1	02/20/2024 17:07	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/22/2024 0:33	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/22/2024 0:33	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/22/2024 0:33	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/22/2024 0:33	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/22/2024 0:33	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/22/2024 0:33	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/22/2024 0:33	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/22/2024 0:33	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/22/2024 0:33	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/22/2024 0:33	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.9**	%REC	1	02/22/2024 0:33	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.2**	%REC	1	02/22/2024 0:33	219041
Surr: Dibromofluoromethane	*	0	80-120		**98.8**	%REC	1	02/22/2024 0:33	219041
Surr: Toluene-d8	*	0	80-120		**100.1**	%REC	1	02/22/2024 0:33	219041

Laboratory Results

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Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-018
Client Sample ID: TB-001-WQ-20240215
Matrix: TRIP BLANK
Collection Date: 02/15/2024 17:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/22/2024 0:57	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/22/2024 0:57	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/22/2024 0:57	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/22/2024 0:57	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/22/2024 0:57	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/22/2024 0:57	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/22/2024 0:57	219041
Toluene	NELAP	0.10	2.0	J	**0.16**	µg/L	1	02/22/2024 0:57	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/22/2024 0:57	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/22/2024 0:57	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.3**	%REC	1	02/22/2024 0:57	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.2**	%REC	1	02/22/2024 0:57	219041
Surr: Dibromofluoromethane	*	0	80-120		**99.0**	%REC	1	02/22/2024 0:57	219041
Surr: Toluene-d8	*	0	80-120		**100.0**	%REC	1	02/22/2024 0:57	219041

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-019
Client Sample ID: GW-25-WG-20240214
Matrix: GROUNDWATER
Collection Date: 02/14/2024 14:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 11:40	218885
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 11:40	218885
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/21/2024 11:40	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 11:40	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/21/2024 11:40	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 11:40	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 11:40	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 11:40	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/21/2024 11:40	218885
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 11:40	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 11:40	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/21/2024 11:40	218885
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/21/2024 11:40	218885
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/21/2024 11:40	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/21/2024 11:40	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/21/2024 11:40	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/21/2024 11:40	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/21/2024 11:40	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/21/2024 11:40	218885
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/21/2024 11:40	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**85.9**	%REC	1	02/21/2024 11:40	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**76.8**	%REC	1	02/21/2024 11:40	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**61.2**	%REC	1	02/21/2024 11:40	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**74.6**	%REC	1	02/21/2024 11:40	218885
Surr: Phenol-d5	*	0	26.8-110		**52.6**	%REC	1	02/21/2024 11:40	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**100.0**	%REC	1	02/21/2024 11:40	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/22/2024 1:21	219041
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/22/2024 1:21	219041
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/22/2024 1:21	219041
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/22/2024 1:21	219041
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/22/2024 1:21	219041
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/22/2024 1:21	219041
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/22/2024 1:21	219041
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/22/2024 1:21	219041
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/22/2024 1:21	219041
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/22/2024 1:21	219041
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.2**	%REC	1	02/22/2024 1:21	219041
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.2**	%REC	1	02/22/2024 1:21	219041
Surr: Dibromofluoromethane	*	0	80-120		**98.9**	%REC	1	02/22/2024 1:21	219041
Surr: Toluene-d8	*	0	80-120		**100.8**	%REC	1	02/22/2024 1:21	219041

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-020
Client Sample ID: GW-26-WG-20240215
Matrix: GROUNDWATER
Collection Date: 02/15/2024 8:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 12:19	218956
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 12:19	218956
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/21/2024 12:19	218956
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 12:19	218956
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/21/2024 12:19	218956
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/21/2024 12:19	218956
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 12:19	218956
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 12:19	218956
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/21/2024 12:19	218956
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 12:19	218956
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 12:19	218956
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/21/2024 12:19	218956
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/21/2024 12:19	218956
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/21/2024 12:19	218956
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/21/2024 12:19	218956
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/21/2024 12:19	218956
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/21/2024 12:19	218956
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/21/2024 12:19	218956
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/21/2024 12:19	218956
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/21/2024 12:19	218956
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**85.6**	%REC	1	02/21/2024 12:19	218956
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**78.8**	%REC	1	02/21/2024 12:19	218956
Surr: 2-Fluorophenol	*	0	35.9-118		**71.8**	%REC	1	02/21/2024 12:19	218956
Surr: Nitrobenzene-d5	*	0	46.6-114		**84.2**	%REC	1	02/21/2024 12:19	218956
Surr: Phenol-d5	*	0	26.8-110		**64.4**	%REC	1	02/21/2024 12:19	218956
Surr: p-Terphenyl-d14	*	0	42.2-147		**109.1**	%REC	1	02/21/2024 12:19	218956
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	02/22/2024 12:51	219076
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/22/2024 12:51	219076
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/22/2024 12:51	219076
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/22/2024 12:51	219076
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/22/2024 12:51	219076
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/22/2024 12:51	219076
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/22/2024 12:51	219076
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	02/22/2024 12:51	219076
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/22/2024 12:51	219076
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/22/2024 12:51	219076
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.2**	%REC	1	02/22/2024 12:51	219076
Surr: 4-Bromofluorobenzene	*	0	80-120		**102.0**	%REC	1	02/22/2024 12:51	219076
Surr: Dibromofluoromethane	*	0	80-120		**99.2**	%REC	1	02/22/2024 12:51	219076
Surr: Toluene-d8	*	0	80-120		**100.1**	%REC	1	02/22/2024 12:51	219076

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-021
Client Sample ID: EQB-001-WQ-20240213
Matrix: GROUNDWATER
Collection Date: 02/13/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 17:45	218885
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 17:45	218885
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	02/20/2024 17:45	218885
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 17:45	218885
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/20/2024 17:45	218885
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	02/20/2024 17:45	218885
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 17:45	218885
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 17:45	218885
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/20/2024 17:45	218885
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/20/2024 17:45	218885
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/20/2024 17:45	218885
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/20/2024 17:45	218885
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	02/20/2024 17:45	218885
Fluorene	NELAP	).000080	0.000200		**ND**	mg/L	1	02/20/2024 17:45	218885
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/20/2024 17:45	218885
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/20/2024 17:45	218885
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	02/20/2024 17:45	218885
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/20/2024 17:45	218885
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	02/20/2024 17:45	218885
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	02/20/2024 17:45	218885
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**95.2**	%REC	1	02/20/2024 17:45	218885
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**83.0**	%REC	1	02/20/2024 17:45	218885
Surr: 2-Fluorophenol	*	0	35.9-118		**59.7**	%REC	1	02/20/2024 17:45	218885
Surr: Nitrobenzene-d5	*	0	46.6-114		**77.8**	%REC	1	02/20/2024 17:45	218885
Surr: Phenol-d5	*	0	26.8-110		**65.3**	%REC	1	02/20/2024 17:45	218885
Surr: p-Terphenyl-d14	*	0	42.2-147		**110.4**	%REC	1	02/20/2024 17:45	218885
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**1.56**	µg/L	1	02/22/2024 13:16	219076
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	02/22/2024 13:16	219076
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	02/22/2024 13:16	219076
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	02/22/2024 13:16	219076
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	02/22/2024 13:16	219076
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	02/22/2024 13:16	219076
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	02/22/2024 13:16	219076
Toluene	NELAP	0.10	2.0	J	**0.10**	µg/L	1	02/22/2024 13:16	219076
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	02/22/2024 13:16	219076
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	02/22/2024 13:16	219076
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.0**	%REC	1	02/22/2024 13:16	219076
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.2**	%REC	1	02/22/2024 13:16	219076
Surr: Dibromofluoromethane	*	0	80-120		**99.0**	%REC	1	02/22/2024 13:16	219076
Surr: Toluene-d8	*	0	80-120		**100.2**	%REC	1	02/22/2024 13:16	219076

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24021240
Client Project: Ameren Taylorville 1st Qtr 2024
Report Date: 23-Feb-24
Lab ID: 24021240-022
Client Sample ID: DUP-002-WG-20240215
Matrix: GROUNDWATER
Collection Date: 02/15/2024 0:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.00350	0.00500		**0.0293**	mg/L	50	02/22/2024 13:29	218956
Acenaphthylene	NELAP	).000050	0.000100		**0.00226**	mg/L	1	02/21/2024 12:57	218956
Anthracene	NELAP	).000200	0.000300		**0.000831**	mg/L	1	02/21/2024 12:57	218956
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000109**	mg/L	1	02/21/2024 12:57	218956
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	02/21/2024 12:57	218956
Benzo(b)fluoranthene	NELAP	).000070	0.00010	J	**0.000092**	mg/L	1	02/21/2024 12:57	218956
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 12:57	218956
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	02/21/2024 12:57	218956
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	02/21/2024 12:57	218956
Chrysene	NELAP	).000050	0.000100		**0.000276**	mg/L	1	02/21/2024 12:57	218956
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	02/21/2024 12:57	218956
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	02/21/2024 12:57	218956
Fluoranthene	NELAP	).000270	0.000300		**0.00417**	mg/L	1	02/21/2024 12:57	218956
Fluorene	NELAP	0.00400	0.0100		**0.0706**	mg/L	50	02/22/2024 13:29	218956
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	02/21/2024 12:57	218956
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	02/21/2024 12:57	218956
Naphthalene	NELAP	0.170	0.200		**0.634**	mg/L	500	02/21/2024 19:18	218956
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	02/21/2024 12:57	218956
Phenanthrene	NELAP	0.0265	0.0300		**0.0726**	mg/L	50	02/22/2024 13:29	218956
Pyrene	NELAP	).000180	0.000200		**0.00159**	mg/L	1	02/21/2024 12:57	218956
Surr: 2,4,6-Tribromophenol	*	0	43.5-136		**74.4**	%REC	1	02/21/2024 12:57	218956
Surr: 2-Fluorobiphenyl	*	0	44.3-113		**65.8**	%REC	50	02/22/2024 13:29	218956
Surr: 2-Fluorophenol	*	0	35.9-118		**64.2**	%REC	1	02/21/2024 12:57	218956
Surr: Nitrobenzene-d5	*	0	46.6-114		**64.5**	%REC	50	02/22/2024 13:29	218956
Surr: Phenol-d5	*	0	26.8-110		**56.1**	%REC	1	02/21/2024 12:57	218956
Surr: p-Terphenyl-d14	*	0	42.2-147		**88.8**	%REC	1	02/21/2024 12:57	218956
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.50	5.00		**1500**	µg/L	10	02/22/2024 13:39	219076
Bromoform	NELAP	0.90	2.00		**ND**	µg/L	10	02/22/2024 13:39	219076
Ethylbenzene	NELAP	1.00	10.0		**369**	µg/L	10	02/22/2024 13:39	219076
m,p-Xylenes	NELAP	2.20	10.0		**145**	µg/L	10	02/22/2024 13:39	219076
Methylene chloride	NELAP	8.70	20.0		**ND**	µg/L	10	02/22/2024 13:39	219076
Naphthalene	NELAP	5.70	20.0		**1940**	µg/L	10	02/22/2024 13:39	219076
o-Xylene	NELAP	0.50	10.0		**203**	µg/L	10	02/22/2024 13:39	219076
Toluene	NELAP	1.00	20.0		**378**	µg/L	10	02/22/2024 13:39	219076
trans-1,2-Dichloroethene	NELAP	1.00	20.0		**ND**	µg/L	10	02/22/2024 13:39	219076
Xylenes, Total	NELAP	2.80	20.0		**348**	µg/L	10	02/22/2024 13:39	219076
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.4**	%REC	10	02/22/2024 13:39	219076
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.3**	%REC	10	02/22/2024 13:39	219076
Surr: Dibromofluoromethane	*	0	80-120		**97.8**	%REC	10	02/22/2024 13:39	219076
Surr: Toluene-d8	*	0	80-120		**100.5**	%REC	10	02/22/2024 13:39	219076

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

Sample Summary

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren Taylorville 1st Qtr 2024

Work Order: 24021240

Report Date: 23-Feb-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24021240-001	GW-04R-WG-20240215	Groundwater	2	02/15/2024 14:45
24021240-002	GW-05-WG-20240213	Groundwater	2	02/13/2024 12:00
24021240-003	GW-07-WG-20240213	Groundwater	2	02/13/2024 14:05
24021240-004	GW-14-WG-20240213	Groundwater	2	02/13/2024 16:10
24021240-005	GW-15-WG-20240215	Groundwater	2	02/15/2024 13:40
24021240-006	GW-16S-WG-20240213	Groundwater	2	02/13/2024 16:50
24021240-007	GW-16D-WG-20240214	Groundwater	2	02/14/2024 16:45
24021240-008	GW-17-WG-20240214	Groundwater	2	02/14/2024 15:10
24021240-009	GW-18S-WG-20240214	Groundwater	2	02/14/2024 12:40
24021240-010	GW-18D-WG-20240214	Groundwater	2	02/14/2024 12:10
24021240-011	GW-19S-WG-20240214	Groundwater	2	02/14/2024 10:50
24021240-012	GW-19D-WG-20240214	Groundwater	2	02/14/2024 10:10
24021240-013	GW-20-WG-20240214	Groundwater	2	02/14/2024 8:05
24021240-014	GW-21-WG-20240215	Groundwater	2	02/15/2024 9:25
24021240-015	GW-22S-WG-20240215	Groundwater	2	02/15/2024 11:20
24021240-016	GW-22D-WG-20240215	Groundwater	2	02/15/2024 11:55
24021240-017	DUP-001-WG-20240213	Groundwater	2	02/13/2024 0:01
24021240-018	TB-001-WQ-20240215	Trip Blank	1	02/15/2024 17:02
24021240-019	GW-25-WG-20240214	Groundwater	2	02/14/2024 14:30
24021240-020	GW-26-WG-20240215	Groundwater	2	02/15/2024 8:05
24021240-021	EQB-001-WQ-20240213	Groundwater	2	02/13/2024 11:05
24021240-022	DUP-002-WG-20240215	Groundwater	2	02/15/2024 0:02

Dates Report

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren Taylorville 1st Qtr 2024

Work Order: 24021240

Report Date: 23-Feb-24

Sample ID	Client Sample ID / Test Name	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
24021240-001A	GW-04R-WG-20240215	02/15/2024 14:45	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/20/2024 10:15	02/21/2024 2:00
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/20/2024 10:15	02/21/2024 13:35
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/20/2024 10:15	02/21/2024 18:40
24021240-001B	GW-04R-WG-20240215	02/15/2024 14:45	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/22/2024 12:02
24021240-002A	GW-05-WG-20240213	02/13/2024 12:00	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 10:12	02/20/2024 13:21
24021240-002B	GW-05-WG-20240213	02/13/2024 12:00	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/22/2024 12:26
24021240-003A	GW-07-WG-20240213	02/13/2024 14:05	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 10:12	02/20/2024 13:58
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 10:12	02/21/2024 15:30
24021240-003B	GW-07-WG-20240213	02/13/2024 14:05	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/21/2024 18:11
24021240-004A	GW-14-WG-20240213	02/13/2024 16:10	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 10:12	02/20/2024 14:36
24021240-004B	GW-14-WG-20240213	02/13/2024 16:10	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/21/2024 18:34
24021240-005A	GW-15-WG-20240215	02/15/2024 13:40	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/20/2024 10:15	02/21/2024 2:38
24021240-005B	GW-15-WG-20240215	02/15/2024 13:40	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/21/2024 19:45
24021240-006A	GW-16S-WG-20240213	02/13/2024 16:50	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 10:12	02/20/2024 16:29
24021240-006B	GW-16S-WG-20240213	02/13/2024 16:50	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/21/2024 20:09
24021240-007A	GW-16D-WG-20240214	02/14/2024 16:45	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 20:01	02/20/2024 18:23
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 20:01	02/21/2024 14:51
24021240-007B	GW-16D-WG-20240214	02/14/2024 16:45	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/21/2024 20:34
24021240-008A	GW-17-WG-20240214	02/14/2024 15:10	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 20:01	02/20/2024 19:01
24021240-008B	GW-17-WG-20240214	02/14/2024 15:10	02/15/2024 17:02		

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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				02/21/2024 20:58
24021240-009A	GW-18S-WG-20240214	02/14/2024 12:40	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 20:01	02/20/2024 19:39
24021240-009B	GW-18S-WG-20240214	02/14/2024 12:40	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/21/2024 21:22
24021240-010A	GW-18D-WG-20240214	02/14/2024 12:10	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 20:01	02/21/2024 3:54
24021240-010B	GW-18D-WG-20240214	02/14/2024 12:10	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/21/2024 21:47
24021240-011A	GW-19S-WG-20240214	02/14/2024 10:50	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 20:01	02/21/2024 4:32
24021240-011B	GW-19S-WG-20240214	02/14/2024 10:50	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/21/2024 22:11
24021240-012A	GW-19D-WG-20240214	02/14/2024 10:10	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 20:01	02/21/2024 5:11
24021240-012B	GW-19D-WG-20240214	02/14/2024 10:10	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/21/2024 22:34
24021240-013A	GW-20-WG-20240214	02/14/2024 8:05	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 20:01	02/21/2024 5:49
24021240-013B	GW-20-WG-20240214	02/14/2024 8:05	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/21/2024 22:58
24021240-014A	GW-21-WG-20240215	02/15/2024 9:25	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/20/2024 10:15	02/21/2024 3:16
24021240-014B	GW-21-WG-20240215	02/15/2024 9:25	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/21/2024 23:22
24021240-015A	GW-22S-WG-20240215	02/15/2024 11:20	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/20/2024 14:20	02/21/2024 16:08
24021240-015B	GW-22S-WG-20240215	02/15/2024 11:20	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/21/2024 23:45
24021240-016A	GW-22D-WG-20240215	02/15/2024 11:55	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/20/2024 14:20	02/21/2024 14:13
24021240-016B	GW-22D-WG-20240215	02/15/2024 11:55	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/22/2024 0:09
24021240-017A	DUP-001-WG-20240213	02/13/2024 0:01	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 10:12	02/20/2024 17:07

Dates Report

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Client: ERM

Client Project: Ameren Taylorville 1st Qtr 2024

Work Order: 24021240

Report Date: 23-Feb-24

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			02/19/2024 10:12	02/21/2024 16:46
24021240-017B	DUP-001-WG-20240213	02/13/2024 0:01	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/22/2024 0:33
24021240-018A	TB-001-WQ-20240215	02/15/2024 17:02	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/22/2024 0:57
24021240-019A	GW-25-WG-20240214	02/14/2024 14:30	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 20:01	02/21/2024 11:40
24021240-019B	GW-25-WG-20240214	02/14/2024 14:30	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/22/2024 1:21
24021240-020A	GW-26-WG-20240215	02/15/2024 8:05	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/20/2024 14:20	02/21/2024 12:19
24021240-020B	GW-26-WG-20240215	02/15/2024 8:05	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/22/2024 12:51
24021240-021A	EQB-001-WQ-20240213	02/13/2024 11:05	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/19/2024 10:12	02/20/2024 17:45
24021240-021B	EQB-001-WQ-20240213	02/13/2024 11:05	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/22/2024 13:16
24021240-022A	DUP-002-WG-20240215	02/15/2024 0:02	02/15/2024 17:02		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/20/2024 14:20	02/21/2024 12:57
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/20/2024 14:20	02/21/2024 19:18
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/20/2024 14:20	02/22/2024 13:29
24021240-022B	DUP-002-WG-20240215	02/15/2024 0:02	02/15/2024 17:02		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/22/2024 13:39

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch **218885** **SampType:** **MBLK** Units **mg/L**

SampID: MBLK-218885

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						02/20/2024
Acenaphthylene		0.000100		**ND**						02/20/2024
Anthracene		0.000300		**ND**						02/20/2024
Benzo(a)anthracene		0.000100		**ND**						02/20/2024
Benzo(a)pyrene		0.000200		**ND**						02/20/2024
Benzo(b)fluoranthene		0.000200		**ND**						02/20/2024
Benzo(g,h,i)perylene		0.000200		**ND**						02/20/2024
Benzo(k)fluoranthene		0.000200		**ND**						02/20/2024
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						02/20/2024
Chrysene		0.000200		**ND**						02/20/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						02/20/2024
Di-n-butyl phthalate		0.0100		**ND**						02/20/2024
Fluoranthene		0.000300		**ND**						02/20/2024
Fluorene		0.000200		**ND**						02/20/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						02/20/2024
m,p-Cresol		0.0100		**ND**						02/20/2024
Naphthalene		0.000400		**ND**						02/20/2024
o-Cresol		0.0100		**ND**						02/20/2024
Phenanthrene		0.000600		**ND**						02/20/2024
Pyrene		0.000200		**ND**						02/20/2024
Surr: 2,4,6-Tribromophenol	*			**0.00174**	0.0020		87.1	46.6	144	02/20/2024
Surr: 2-Fluorobiphenyl	*			**0.000637**	0.0010		63.7	49.2	114	02/20/2024
Surr: 2-Fluorophenol	*			**0.00107**	0.0020		53.4	48.4	115	02/20/2024
Surr: Nitrobenzene-d5	*			**0.000680**	0.0010		68.0	49.3	116	02/20/2024
Surr: Phenol-d5	*			**0.00114**	0.0020		56.9	41.2	109	02/20/2024
Surr: p-Terphenyl-d14	*			**0.00106**	0.0010		105.8	40	151	02/20/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch **218885** **SampType:** **LCS** Units **mg/L**

SampID: LCS-218885

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00147**	0.0020	0	73.6	59.6	100	02/20/2024
Acenaphthylene		0.000100		**0.00155**	0.0020	0	77.5	63.6	112	02/20/2024
Anthracene		0.000300		**0.00162**	0.0020	0	80.9	55	111	02/20/2024
Benzo(a)anthracene		0.000100		**0.00167**	0.0020	0	83.3	56.6	113	02/20/2024
Benzo(a)pyrene		0.000200		**0.00173**	0.0020	0	86.4	54.8	122	02/20/2024
Benzo(b)fluoranthene		0.000200		**0.00174**	0.0020	0	86.8	50.6	130	02/20/2024
Benzo(g,h,i)perylene		0.000200		**0.00173**	0.0020	0	86.7	58.5	122	02/20/2024
Benzo(k)fluoranthene		0.000200		**0.00170**	0.0020	0	84.9	56.3	116	02/20/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0035**	0.0020	0	176.2	62.7	191	02/20/2024
Chrysene		0.000200		**0.00170**	0.0020	0	85.1	55	115	02/20/2024
Dibenzo(a,h)anthracene		0.000200		**0.00169**	0.0020	0	84.7	58.6	135	02/20/2024
Di-n-butyl phthalate		0.0100	J	**0.0019**	0.0020	0	96.6	61	130	02/20/2024
Fluoranthene		0.000300		**0.00176**	0.0020	0	88.1	57	115	02/20/2024
Fluorene		0.000200		**0.00160**	0.0020	0	79.9	57.2	108	02/20/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00174**	0.0020	0	87.0	62.3	128	02/20/2024
m,p-Cresol		0.0100		**0.0149**	0.0200	0	74.5	59.3	112	02/20/2024
Naphthalene		0.000400		**0.00137**	0.0020	0	68.3	59.3	102	02/20/2024
o-Cresol		0.0100		**0.0142**	0.0200	0	70.9	59.2	108	02/20/2024
Phenanthrene		0.000600		**0.00169**	0.0020	0	84.4	55.7	118	02/20/2024
Pyrene		0.000200		**0.00172**	0.0020	0	85.9	55	108	02/20/2024
Surr: 2,4,6-Tribromophenol	*			**0.00180**	0.0020		90.2	53.4	145	02/20/2024
Surr: 2-Fluorobiphenyl	*			**0.000709**	0.0010		70.8	50	110	02/20/2024
Surr: 2-Fluorophenol	*			**0.00132**	0.0020		66.1	55.3	109	02/20/2024
Surr: Nitrobenzene-d5	*			**0.000742**	0.0010		74.2	51.2	114	02/20/2024
Surr: Phenol-d5	*			**0.00134**	0.0020		66.8	48.5	105	02/20/2024
Surr: p-Terphenyl-d14	*			**0.00105**	0.0010		105.2	39.9	143	02/20/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch **218885** **SampType:** **LCSD** Units **mg/L** RPD Limit: **34.5**

SampID: LCSD-218885

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00144**	0.0020	0	72.0	0.001471	2.20	02/20/2024
Acenaphthylene		0.000100		**0.00150**	0.0020	0	74.9	0.001550	3.45	02/20/2024
Anthracene		0.000300		**0.00161**	0.0020	0	80.6	0.001619	0.46	02/20/2024
Benzo(a)anthracene		0.000100		**0.00169**	0.0020	0	84.6	0.001665	1.54	02/20/2024
Benzo(a)pyrene		0.000200		**0.00174**	0.0020	0	86.8	0.001728	0.52	02/20/2024
Benzo(b)fluoranthene		0.000200		**0.00177**	0.0020	0	88.3	0.001736	1.68	02/20/2024
Benzo(g,h,i)perylene		0.000200		**0.00176**	0.0020	0	88.2	0.001734	1.78	02/20/2024
Benzo(k)fluoranthene		0.000200		**0.00168**	0.0020	0	83.9	0.001699	1.19	02/20/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0023**	0.0020	0	114.8	0.003525	0.00	02/20/2024
Chrysene		0.000200		**0.00175**	0.0020	0	87.3	0.001701	2.56	02/20/2024
Dibenzo(a,h)anthracene		0.000200		**0.00174**	0.0020	0	87.1	0.001694	2.82	02/20/2024
Di-n-butyl phthalate		0.0100	J	**0.0019**	0.0020	0	97.2	0.001933	0.00	02/20/2024
Fluoranthene		0.000300		**0.00177**	0.0020	0	88.7	0.001762	0.64	02/20/2024
Fluorene		0.000200		**0.00157**	0.0020	0	78.4	0.001598	1.93	02/20/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00168**	0.0020	0	84.0	0.001740	3.50	02/20/2024
m,p-Cresol		0.0100		**0.0142**	0.0200	0	71.2	0.01489	4.43	02/20/2024
Naphthalene		0.000400		**0.00135**	0.0020	0	67.6	0.001366	1.00	02/20/2024
o-Cresol		0.0100		**0.0136**	0.0200	0	67.9	0.01418	4.32	02/20/2024
Phenanthrene		0.000600		**0.00169**	0.0020	0	84.4	0.001689	0.06	02/20/2024
Pyrene		0.000200		**0.00174**	0.0020	0	86.8	0.001718	1.07	02/20/2024
Surr: 2,4,6-Tribromophenol	*			**0.00173**	0.0020		86.5			02/20/2024
Surr: 2-Fluorobiphenyl	*			**0.000708**	0.0010		70.8			02/20/2024
Surr: 2-Fluorophenol	*			**0.00131**	0.0020		65.6			02/20/2024
Surr: Nitrobenzene-d5	*			**0.000733**	0.0010		73.3			02/20/2024
Surr: Phenol-d5	*			**0.00129**	0.0020		64.6			02/20/2024
Surr: p-Terphenyl-d14	*			**0.00107**	0.0010		107.2			02/20/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch **218885** **SampType:** **MS** Units **mg/L**

SampID: 24021240-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00146**	0.0020	0	73.2	62.7	99	02/20/2024
Acenaphthylene		0.000100		**0.00154**	0.0020	0	77.2	65.3	112	02/20/2024
Anthracene		0.000300		**0.00162**	0.0020	0	81.2	58.5	108	02/20/2024
Benzo(a)anthracene		0.000100		**0.00162**	0.0020	0	81.2	64	108	02/20/2024
Benzo(a)pyrene		0.000200		**0.00168**	0.0020	0	84.0	58.5	117	02/20/2024
Benzo(b)fluoranthene		0.000200		**0.00175**	0.0020	0	87.5	58	125	02/20/2024
Benzo(g,h,i)perylene		0.000200		**0.00169**	0.0020	0	84.6	62.2	120	02/20/2024
Benzo(k)fluoranthene		0.000200		**0.00160**	0.0020	0	80.0	61.3	111	02/20/2024
Bis(2-ethylhexyl)phthalate		0.00600	JS	**0.0045**	0.0020	0.004164	18.0	80.2	167	02/20/2024
Chrysene		0.000200		**0.00171**	0.0020	0	85.3	57.1	113	02/20/2024
Dibenzo(a,h)anthracene		0.000200		**0.00170**	0.0020	0	84.9	62.4	136	02/20/2024
Di-n-butyl phthalate		0.0100	J	**0.0019**	0.0020	0	93.7	70.4	123	02/20/2024
Fluoranthene		0.000300		**0.00174**	0.0020	0	87.2	61.7	113	02/20/2024
Fluorene		0.000200		**0.00158**	0.0020	0	79.2	59.7	107	02/20/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00170**	0.0020	0	85.0	63.8	130	02/20/2024
m,p-Cresol		0.0100		**0.0138**	0.0200	0	68.8	60	109	02/20/2024
Naphthalene		0.000400		**0.00137**	0.0020	0	68.7	60.6	101	02/20/2024
o-Cresol		0.0100		**0.0134**	0.0200	0	66.8	57.4	108	02/20/2024
Phenanthrene		0.000600		**0.00167**	0.0020	0	83.5	57.9	117	02/20/2024
Pyrene		0.000200		**0.00168**	0.0020	0	84.2	53.7	107	02/20/2024
Surr: 2,4,6-Tribromophenol	*			**0.00178**	0.0020		88.8	43.5	136	02/20/2024
Surr: 2-Fluorobiphenyl	*			**0.000722**	0.0010		72.2	44.3	113	02/20/2024
Surr: 2-Fluorophenol	*			**0.00131**	0.0020		65.5	35.9	118	02/20/2024
Surr: Nitrobenzene-d5	*			**0.000693**	0.0010		69.3	46.6	114	02/20/2024
Surr: Phenol-d5	*			**0.00127**	0.0020		63.4	26.8	110	02/20/2024
Surr: p-Terphenyl-d14	*			**0.00102**	0.0010		101.7	42.2	147	02/20/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch **218885** **SampType:** **MSD** Units **mg/L** RPD Limit: **18.6**

SampID: 24021240-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00150**	0.0020	0	74.8	0.001464	2.14	02/20/2024
Acenaphthylene		0.000100		**0.00155**	0.0020	0	77.7	0.001545	0.57	02/20/2024
Anthracene		0.000300		**0.00163**	0.0020	0	81.4	0.001623	0.28	02/20/2024
Benzo(a)anthracene		0.000100		**0.00168**	0.0020	0	84.2	0.001624	3.58	02/20/2024
Benzo(a)pyrene		0.000200		**0.00171**	0.0020	0	85.7	0.001679	2.01	02/20/2024
Benzo(b)fluoranthene		0.000200		**0.00173**	0.0020	0	86.7	0.001750	0.85	02/20/2024
Benzo(g,h,i)perylene		0.000200		**0.00171**	0.0020	0	85.3	0.001691	0.89	02/20/2024
Benzo(k)fluoranthene		0.000200		**0.00164**	0.0020	0	81.9	0.001599	2.36	02/20/2024
Bis(2-ethylhexyl)phthalate		0.00600	JS	**0.0044**	0.0020	0.004164	10.2	0.004523	0.00	02/20/2024
Chrysene		0.000200		**0.00158**	0.0020	0	78.9	0.001706	7.85	02/20/2024
Dibenzo(a,h)anthracene		0.000200		**0.00170**	0.0020	0	84.8	0.001697	0.09	02/20/2024
Di-n-butyl phthalate		0.0100	J	**0.0019**	0.0020	0	94.9	0.001873	0.00	02/20/2024
Fluoranthene		0.000300		**0.00172**	0.0020	0	86.0	0.001744	1.34	02/20/2024
Fluorene		0.000200		**0.00161**	0.0020	0	80.6	0.001584	1.69	02/20/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00165**	0.0020	0	82.4	0.001700	3.09	02/20/2024
m,p-Cresol		0.0100		**0.0146**	0.0200	0	72.8	0.01376	5.65	02/20/2024
Naphthalene		0.000400		**0.00140**	0.0020	0	70.0	0.001375	1.80	02/20/2024
o-Cresol		0.0100		**0.0141**	0.0200	0	70.4	0.01335	5.27	02/20/2024
Phenanthrene		0.000600		**0.00166**	0.0020	0	83.2	0.001670	0.28	02/20/2024
Pyrene		0.000200		**0.00147**	0.0020	0	73.7	0.001684	13.31	02/20/2024
Surr: 2,4,6-Tribromophenol	*			**0.00184**	0.0020		91.9			02/20/2024
Surr: 2-Fluorobiphenyl	*			**0.000754**	0.0010		75.4			02/20/2024
Surr: 2-Fluorophenol	*			**0.00141**	0.0020		70.6			02/20/2024
Surr: Nitrobenzene-d5	*			**0.000779**	0.0010		77.9			02/20/2024
Surr: Phenol-d5	*			**0.00133**	0.0020		66.3			02/20/2024
Surr: p-Terphenyl-d14	*			**0.00103**	0.0010		103.3			02/20/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch **218956** **SampType:** **MBLK** Units **mg/L**

SampID: MBLK-218956

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						02/20/2024
Acenaphthylene		0.000100		**ND**						02/20/2024
Anthracene		0.000300		**ND**						02/20/2024
Benzo(a)anthracene		0.000100		**ND**						02/20/2024
Benzo(a)pyrene		0.000200		**ND**						02/20/2024
Benzo(b)fluoranthene		0.000200		**ND**						02/20/2024
Benzo(g,h,i)perylene		0.000200		**ND**						02/20/2024
Benzo(k)fluoranthene		0.000200		**ND**						02/20/2024
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						02/20/2024
Chrysene		0.000200		**ND**						02/20/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						02/20/2024
Di-n-butyl phthalate		0.0100		**ND**						02/20/2024
Fluoranthene		0.000300		**ND**						02/20/2024
Fluorene		0.000200		**ND**						02/20/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						02/20/2024
m,p-Cresol		0.0100		**ND**						02/20/2024
Naphthalene		0.000400		**ND**						02/20/2024
o-Cresol		0.0100		**ND**						02/20/2024
Phenanthrene		0.000600		**ND**						02/20/2024
Pyrene		0.000200		**ND**						02/20/2024
Surr: 2,4,6-Tribromophenol	*			**0.00180**	0.0020		89.9	46.6	144	02/20/2024
Surr: 2-Fluorobiphenyl	*			**0.000780**	0.0010		78.0	49.2	114	02/20/2024
Surr: 2-Fluorophenol	*			**0.00137**	0.0020		68.7	48.4	115	02/20/2024
Surr: Nitrobenzene-d5	*			**0.000798**	0.0010		79.8	49.3	116	02/20/2024
Surr: Phenol-d5	*			**0.00137**	0.0020		68.4	41.2	109	02/20/2024
Surr: p-Terphenyl-d14	*			**0.00116**	0.0010		116.1	40	151	02/20/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch **218956** **SampType:** **LCS** Units **mg/L**

SampID: LCS-218956

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00151**	0.0020	0	75.3	59.6	100	02/20/2024
Acenaphthylene		0.000100		**0.00159**	0.0020	0	79.7	63.6	112	02/20/2024
Anthracene		0.000300		**0.00156**	0.0020	0	78.0	55	111	02/20/2024
Benzo(a)anthracene		0.000100		**0.00164**	0.0020	0	82.0	56.6	113	02/20/2024
Benzo(a)pyrene		0.000200		**0.00169**	0.0020	0	84.5	54.8	122	02/20/2024
Benzo(b)fluoranthene		0.000200		**0.00174**	0.0020	0	87.1	50.6	130	02/20/2024
Benzo(g,h,i)perylene		0.000200		**0.00164**	0.0020	0	81.8	58.5	122	02/20/2024
Benzo(k)fluoranthene		0.000200		**0.00160**	0.0020	0	79.9	56.3	116	02/20/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0022**	0.0020	0	112.6	62.7	191	02/20/2024
Chrysene		0.000200		**0.00169**	0.0020	0	84.7	55	115	02/20/2024
Dibenzo(a,h)anthracene		0.000200		**0.00167**	0.0020	0	83.5	58.6	135	02/20/2024
Di-n-butyl phthalate		0.0100	J	**0.0020**	0.0020	0	101.4	61	130	02/20/2024
Fluoranthene		0.000300		**0.00176**	0.0020	0	88.1	57	115	02/20/2024
Fluorene		0.000200		**0.00161**	0.0020	0	80.3	57.2	108	02/20/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00161**	0.0020	0	80.4	62.3	128	02/20/2024
m,p-Cresol		0.0100		**0.0149**	0.0200	0	74.5	59.3	112	02/20/2024
Naphthalene		0.000400		**0.00144**	0.0020	0	72.2	59.3	102	02/20/2024
o-Cresol		0.0100		**0.0144**	0.0200	0	72.0	59.2	108	02/20/2024
Phenanthrene		0.000600		**0.00173**	0.0020	0	86.3	55.7	118	02/20/2024
Pyrene		0.000200		**0.00168**	0.0020	0	84.0	55	108	02/20/2024
Surr: 2,4,6-Tribromophenol	*			**0.00150**	0.0020		74.9	53.4	145	02/20/2024
Surr: 2-Fluorobiphenyl	*			**0.000695**	0.0010		69.5	50	110	02/20/2024
Surr: 2-Fluorophenol	*			**0.00126**	0.0020		63.1	55.3	109	02/20/2024
Surr: Nitrobenzene-d5	*			**0.000713**	0.0010		71.3	51.2	114	02/20/2024
Surr: Phenol-d5	*			**0.00125**	0.0020		62.7	48.5	105	02/20/2024
Surr: p-Terphenyl-d14	*			**0.000998**	0.0010		99.8	39.9	143	02/20/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch **218956** **SampType:** **LCSD** Units **mg/L** RPD Limit: **34.5**

SampID: LCSD-218956

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00155**	0.0020	0	77.7	0.001505	3.16	02/20/2024
Acenaphthylene		0.000100		**0.00165**	0.0020	0	82.5	0.001594	3.38	02/20/2024
Anthracene		0.000300		**0.00163**	0.0020	0	81.3	0.001560	4.21	02/20/2024
Benzo(a)anthracene		0.000100		**0.00167**	0.0020	0	83.3	0.001639	1.67	02/20/2024
Benzo(a)pyrene		0.000200		**0.00174**	0.0020	0	86.8	0.001691	2.64	02/20/2024
Benzo(b)fluoranthene		0.000200		**0.00178**	0.0020	0	88.8	0.001742	2.00	02/20/2024
Benzo(g,h,i)perylene		0.000200		**0.00168**	0.0020	0	84.0	0.001635	2.70	02/20/2024
Benzo(k)fluoranthene		0.000200		**0.00166**	0.0020	0	83.2	0.001598	4.02	02/20/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0022**	0.0020	0	109.6	0.002251	0.00	02/20/2024
Chrysene		0.000200		**0.00175**	0.0020	0	87.4	0.001693	3.20	02/20/2024
Dibenzo(a,h)anthracene		0.000200		**0.00171**	0.0020	0	85.7	0.001670	2.62	02/20/2024
Di-n-butyl phthalate		0.0100	J	**0.0021**	0.0020	0	103.0	0.002028	0.00	02/20/2024
Fluoranthene		0.000300		**0.00182**	0.0020	0	90.9	0.001762	3.13	02/20/2024
Fluorene		0.000200		**0.00166**	0.0020	0	83.0	0.001605	3.33	02/20/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00164**	0.0020	0	81.9	0.001609	1.84	02/20/2024
m,p-Cresol		0.0100		**0.0158**	0.0200	0	79.0	0.01490	5.91	02/20/2024
Naphthalene		0.000400		**0.00150**	0.0020	0	75.2	0.001444	4.06	02/20/2024
o-Cresol		0.0100		**0.0151**	0.0200	0	75.7	0.01441	4.95	02/20/2024
Phenanthrene		0.000600		**0.00180**	0.0020	0	89.8	0.001726	4.00	02/20/2024
Pyrene		0.000200		**0.00162**	0.0020	0	81.0	0.001680	3.72	02/20/2024
Surr: 2,4,6-Tribromophenol	*			**0.00162**	0.0020		80.9			02/20/2024
Surr: 2-Fluorobiphenyl	*			**0.000777**	0.0010		77.7			02/20/2024
Surr: 2-Fluorophenol	*			**0.00137**	0.0020		68.3			02/20/2024
Surr: Nitrobenzene-d5	*			**0.000797**	0.0010		79.7			02/20/2024
Surr: Phenol-d5	*			**0.00138**	0.0020		68.9			02/20/2024
Surr: p-Terphenyl-d14	*			**0.00108**	0.0010		107.6			02/20/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch 219041 **SampType:** MBLK Units µg/L

SampID: MBLK-AK240221A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						02/21/2024
Bromoform	*	2.0		**ND**						02/21/2024
Ethylbenzene	*	2.0		**ND**						02/21/2024
m,p-Xylenes	*	2.0		**ND**						02/21/2024
Methylene chloride	*	2.0		**ND**						02/21/2024
Naphthalene	*	5.0		**ND**						02/21/2024
o-Xylene	*	2.0		**ND**						02/21/2024
Toluene	*	2.0		**ND**						02/21/2024
trans-1,2-Dichloroethene	*	2.0		**ND**						02/21/2024
Xylenes, Total	*	4.0		**ND**						02/21/2024
Surr: 1,2-Dichloroethane-d4	*			**50.4**	50.00		100.8	80	120	02/21/2024
Surr: 4-Bromofluorobenzene	*			**50.5**	50.00		101.0	80	120	02/21/2024
Surr: Dibromofluoromethane	*			**49.7**	50.00		99.4	80	120	02/21/2024
Surr: Toluene-d8	*			**50.1**	50.00		100.1	80	120	02/21/2024

Batch 219041 **SampType:** LCS Units µg/L

SampID: LCS-AK240221A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**52.1**	50.00	0	104.1	81.6	120	02/21/2024
Bromoform	*	2.0		**53.5**	50.00	0	106.9	81.5	118	02/21/2024
Ethylbenzene	*	2.0		**54.6**	50.00	0	109.3	82.4	116	02/21/2024
m,p-Xylenes	*	2.0		**109**	100.0	0	109.4	82.5	117	02/21/2024
Methylene chloride	*	2.0		**55.3**	50.00	0	110.6	75.3	122	02/21/2024
Naphthalene	*	5.0		**59.3**	50.00	0	118.6	71	126	02/21/2024
o-Xylene	*	2.0		**54.1**	50.00	0	108.1	83	114	02/21/2024
Toluene	*	2.0		**52.8**	50.00	0	105.6	82.3	113	02/21/2024
trans-1,2-Dichloroethene	*	2.0		**53.1**	50.00	0	106.3	79.9	124	02/21/2024
Xylenes, Total	*	4.0		**164**	150.0	0	109.0	82.7	116	02/21/2024
Surr: 1,2-Dichloroethane-d4	*			**49.1**	50.00		98.3	80	120	02/21/2024
Surr: 4-Bromofluorobenzene	*			**50.1**	50.00		100.1	80	120	02/21/2024
Surr: Dibromofluoromethane	*			**49.0**	50.00		97.9	80	120	02/21/2024
Surr: Toluene-d8	*			**49.9**	50.00		99.8	80	120	02/21/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch 219041 **SampType:** LCSD Units **µg/L** RPD Limit: **20**

SampID: LCSD-AK240221A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**51.2**	50.00	0	102.3	52.06	1.72	02/21/2024
Bromoform	*	2.0		**52.9**	50.00	0	105.9	53.47	1.02	02/21/2024
Ethylbenzene	*	2.0		**53.7**	50.00	0	107.4	54.63	1.70	02/21/2024
m,p-Xylenes	*	2.0		**107**	100.0	0	107.2	109.4	2.04	02/21/2024
Methylene chloride	*	2.0		**54.6**	50.00	0	109.2	55.30	1.31	02/21/2024
Naphthalene	*	5.0		**59.1**	50.00	0	118.2	59.31	0.32	02/21/2024
o-Xylene	*	2.0		**53.2**	50.00	0	106.5	54.06	1.51	02/21/2024
Toluene	*	2.0		**52.0**	50.00	0	104.0	52.80	1.51	02/21/2024
trans-1,2-Dichloroethene	*	2.0		**51.9**	50.00	0	103.8	53.13	2.38	02/21/2024
Xylenes, Total	*	4.0		**160**	150.0	0	107.0	163.5	1.86	02/21/2024
Surr: 1,2-Dichloroethane-d4	*			**49.0**	50.00		97.9			02/21/2024
Surr: 4-Bromofluorobenzene	*			**50.2**	50.00		100.3			02/21/2024
Surr: Dibromofluoromethane	*			**49.5**	50.00		99.0			02/21/2024
Surr: Toluene-d8	*			**50.2**	50.00		100.3			02/21/2024

Batch 219041 **SampType:** MS Units **µg/L**

SampID: 24021240-004bMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.50		**51.9**	50.00	0	103.7	74.1	118	02/21/2024
Ethylbenzene		1.00		**55.5**	50.00	0	110.9	74.8	119	02/21/2024
m,p-Xylenes		1.00		**59.5**	50.00	0	119.0	77.8	128	02/21/2024
o-Xylene		1.00		**55.7**	50.00	0	111.3	75.8	118	02/21/2024
Toluene		2.00		**53.8**	50.00	0	107.7	74.4	115	02/21/2024
Xylenes, Total		2.00		**115**	100.0	0	115.2	76.8	123	02/21/2024
Surr: 1,2-Dichloroethane-d4	*			**49.8**	50.00		99.7	80	120	02/21/2024
Surr: 4-Bromofluorobenzene	*			**49.9**	50.00		99.7	80	120	02/21/2024
Surr: Dibromofluoromethane	*			**49.8**	50.00		99.6	80	120	02/21/2024
Surr: Toluene-d8	*			**50.2**	50.00		100.3	80	120	02/21/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch **219041** **SampType:** **MSD** Units **µg/L** RPD Limit: **20**

SampID: 24021240-004bMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.50		**49.9**	50.00	0	99.8	51.87	3.89	02/21/2024
Ethylbenzene		1.00		**53.1**	50.00	0	106.2	55.47	4.35	02/21/2024
m,p-Xylenes		1.00		**57.0**	50.00	0	113.9	59.52	4.40	02/21/2024
o-Xylene		1.00		**53.1**	50.00	0	106.1	55.66	4.76	02/21/2024
Toluene		2.00		**51.5**	50.00	0	103.0	53.85	4.46	02/21/2024
Xylenes, Total		2.00		**110**	100.0	0	110.0	115.2	4.57	02/21/2024
Surr: 1,2-Dichloroethane-d4	*			**50.2**	50.00		100.5			02/21/2024
Surr: 4-Bromofluorobenzene	*			**49.9**	50.00		99.9			02/21/2024
Surr: Dibromofluoromethane	*			**49.6**	50.00		99.2			02/21/2024
Surr: Toluene-d8	*			**50.3**	50.00		100.6			02/21/2024

Batch **219076** **SampType:** **MBLK** Units **µg/L**

SampID: MBLK-AK240222A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						02/22/2024
Bromoform	*	2.0		**ND**						02/22/2024
Ethylbenzene	*	2.0		**ND**						02/22/2024
m,p-Xylenes	*	2.0		**ND**						02/22/2024
Methylene chloride	*	2.0		**ND**						02/22/2024
Naphthalene	*	5.0		**ND**						02/22/2024
o-Xylene	*	2.0		**ND**						02/22/2024
Toluene	*	2.0		**ND**						02/22/2024
trans-1,2-Dichloroethene	*	2.0		**ND**						02/22/2024
Xylenes, Total	*	4.0		**ND**						02/22/2024
Surr: 1,2-Dichloroethane-d4	*			**50.6**	50.00		101.1	80	120	02/22/2024
Surr: 4-Bromofluorobenzene	*			**50.4**	50.00		100.8	80	120	02/22/2024
Surr: Dibromofluoromethane	*			**49.4**	50.00		98.7	80	120	02/22/2024
Surr: Toluene-d8	*			**50.1**	50.00		100.2	80	120	02/22/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch 219076 **SampType:** LCS Units **µg/L**

SampID: LCS-AK240222A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**52.6**	50.00	0	105.2	81.6	120	02/22/2024
Bromoform	*	2.0		**53.2**	50.00	0	106.3	81.5	118	02/22/2024
Ethylbenzene	*	2.0		**54.9**	50.00	0	109.9	82.4	116	02/22/2024
m,p-Xylenes	*	2.0		**110**	100.0	0	109.8	82.5	117	02/22/2024
Methylene chloride	*	2.0		**55.9**	50.00	0	111.7	75.3	122	02/22/2024
Naphthalene	*	5.0		**59.7**	50.00	0	119.3	71	126	02/22/2024
o-Xylene	*	2.0		**54.5**	50.00	0	109.0	83	114	02/22/2024
Toluene	*	2.0		**53.5**	50.00	0	107.0	82.3	113	02/22/2024
trans-1,2-Dichloroethene	*	2.0		**53.8**	50.00	0	107.7	79.9	124	02/22/2024
Xylenes, Total	*	4.0		**164**	150.0	0	109.5	82.7	116	02/22/2024
Surr: 1,2-Dichloroethane-d4	*			**49.6**	50.00		99.2	80	120	02/22/2024
Surr: 4-Bromofluorobenzene	*			**50.2**	50.00		100.5	80	120	02/22/2024
Surr: Dibromofluoromethane	*			**49.2**	50.00		98.4	80	120	02/22/2024
Surr: Toluene-d8	*			**50.2**	50.00		100.3	80	120	02/22/2024

Batch 219076 **SampType:** LCSD Units **µg/L** RPD Limit: **20**

SampID: LCSD-AK240222A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**51.7**	50.00	0	103.3	52.58	1.75	02/22/2024
Bromoform	*	2.0		**52.8**	50.00	0	105.7	53.16	0.58	02/22/2024
Ethylbenzene	*	2.0		**53.9**	50.00	0	107.9	54.94	1.86	02/22/2024
m,p-Xylenes	*	2.0		**108**	100.0	0	108.2	109.8	1.51	02/22/2024
Methylene chloride	*	2.0		**55.7**	50.00	0	111.4	55.86	0.32	02/22/2024
Naphthalene	*	5.0		**59.2**	50.00	0	118.4	59.67	0.82	02/22/2024
o-Xylene	*	2.0		**53.7**	50.00	0	107.5	54.49	1.40	02/22/2024
Toluene	*	2.0		**52.2**	50.00	0	104.4	53.48	2.44	02/22/2024
trans-1,2-Dichloroethene	*	2.0		**52.8**	50.00	0	105.6	53.83	1.91	02/22/2024
Xylenes, Total	*	4.0		**162**	150.0	0	107.9	164.3	1.48	02/22/2024
Surr: 1,2-Dichloroethane-d4	*			**49.4**	50.00		98.9			02/22/2024
Surr: 4-Bromofluorobenzene	*			**50.1**	50.00		100.2			02/22/2024
Surr: Dibromofluoromethane	*			**48.9**	50.00		97.9			02/22/2024
Surr: Toluene-d8	*			**50.1**	50.00		100.2			02/22/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch 219112 **SampType:** MBLK Units µg/L

SampID: MBLK-AM240222A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						02/22/2024
Bromoform	*	2.0		**ND**						02/22/2024
Ethylbenzene	*	2.0		**ND**						02/22/2024
m,p-Xylenes	*	2.0		**ND**						02/22/2024
Methylene chloride	*	2.0		**ND**						02/22/2024
Naphthalene	*	5.0		**ND**						02/22/2024
o-Xylene	*	2.0		**ND**						02/22/2024
Toluene	*	2.0		**ND**						02/22/2024
trans-1,2-Dichloroethene	*	2.0		**ND**						02/22/2024
Xylenes, Total	*	4.0		**ND**						02/22/2024
Surr: 1,2-Dichloroethane-d4	*			**50.4**	50.00		100.8	80	120	02/22/2024
Surr: 4-Bromofluorobenzene	*			**52.0**	50.00		104.1	80	120	02/22/2024
Surr: Dibromofluoromethane	*			**48.8**	50.00		97.6	80	120	02/22/2024
Surr: Toluene-d8	*			**50.7**	50.00		101.4	80	120	02/22/2024

Batch 219112 **SampType:** LCS Units µg/L

SampID: LCS-AM240222A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**48.6**	50.00	0	97.2	81.6	120	02/22/2024
Bromoform	*	2.0		**50.2**	50.00	0	100.3	81.5	118	02/22/2024
Ethylbenzene	*	2.0		**54.8**	50.00	0	109.5	82.4	116	02/22/2024
m,p-Xylenes	*	2.0		**108**	100.0	0	107.8	82.5	117	02/22/2024
Methylene chloride	*	2.0		**51.9**	50.00	0	103.8	75.3	122	02/22/2024
Naphthalene	*	5.0		**49.5**	50.00	0	99.0	71	126	02/22/2024
o-Xylene	*	2.0		**53.1**	50.00	0	106.3	83	114	02/22/2024
Toluene	*	2.0		**52.0**	50.00	0	104.0	82.3	113	02/22/2024
trans-1,2-Dichloroethene	*	2.0		**49.5**	50.00	0	99.0	79.9	124	02/22/2024
Xylenes, Total	*	4.0		**161**	150.0	0	107.3	82.7	116	02/22/2024
Surr: 1,2-Dichloroethane-d4	*			**49.7**	50.00		99.4	80	120	02/22/2024
Surr: 4-Bromofluorobenzene	*			**50.6**	50.00		101.2	80	120	02/22/2024
Surr: Dibromofluoromethane	*			**47.9**	50.00		95.8	80	120	02/22/2024
Surr: Toluene-d8	*			**52.2**	50.00		104.3	80	120	02/22/2024

Client: ERM **Work Order:** 24021240

Client Project: Ameren Taylorville 1st Qtr 2024 **Report Date:** 23-Feb-24

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

Batch **219112** **SampType:** **LCSD** Units **µg/L** RPD Limit: **20**

SampID: LCSD-AM240222A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**49.6**	50.00	0	99.2	48.61	1.98	02/22/2024
Bromoform	*	2.0		**51.5**	50.00	0	103.0	50.15	2.62	02/22/2024
Ethylbenzene	*	2.0		**56.5**	50.00	0	113.0	54.77	3.13	02/22/2024
m,p-Xylenes	*	2.0		**110**	100.0	0	110.4	107.8	2.37	02/22/2024
Methylene chloride	*	2.0		**52.9**	50.00	0	105.8	51.92	1.87	02/22/2024
Naphthalene	*	5.0		**51.1**	50.00	0	102.2	49.50	3.22	02/22/2024
o-Xylene	*	2.0		**54.2**	50.00	0	108.5	53.14	2.07	02/22/2024
Toluene	*	2.0		**53.7**	50.00	0	107.4	52.01	3.22	02/22/2024
trans-1,2-Dichloroethene	*	2.0		**50.6**	50.00	0	101.3	49.48	2.32	02/22/2024
Xylenes, Total	*	4.0		**165**	150.0	0	109.8	161.0	2.27	02/22/2024
Surr: 1,2-Dichloroethane-d4	*			**49.1**	50.00		98.2			02/22/2024
Surr: 4-Bromofluorobenzene	*			**51.2**	50.00		102.4			02/22/2024
Surr: Dibromofluoromethane	*			**48.1**	50.00		96.2			02/22/2024
Surr: Toluene-d8	*			**52.4**	50.00		104.8			02/22/2024

Receiving Check List

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren Taylorville 1st Qtr 2024

Work Order: 24021240

Report Date: 23-Feb-24

Carrier: Joshua Richards

Received By: NR

Completed by: Amber Dilallo
On: 16-Feb-24

Reviewed by: Ellie Hopkins
On: 16-Feb-24

Pages to follow: Chain of custody 3 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 5.9
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.

Headspace was present in the GW-07-WG-20240213 and DUP-001_WG_20240213 volatile vials. Client was notified of this error via work order summary. - amberdilallo - 2/16/2024 9:23:57 AM

Trip Blank collection date and time will be reported as the received date and time (end of trip). - ehurley - 2/16/2024 5:53:59 PM

CHAIN OF CUSTODY

pg. 1 of 3 Work order # 24021240

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

Client: ERM
Address: 1968 Craig Road
City / State / Zip: St. Louis, MO 63146
Contact: Michael Abegg Phone:
E-Mail: michael.abegg@erm.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 5.9 °C LTG# 3
Preserved in: [ ] LAB [ ] FIELD

FOR LAB USE ONLY

Lab Notes: HS in GW-07 & DUP-001. OK HS in all other vials. Ism 2/14/24

Client Comments
GW-14-WG-20240213@1610 is a MS/MSD.

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? If yes, include details of the hazard. [ ] 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
Ameren Taylorville 1st Qtr 2024	Joshua Richards

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	HCl	MATRIX: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: PAHs	VOCs
24021240 001	GW-04R-WG-20240215	2/15/24 / 1445	1	2		X		X	X
002	GW-05-WG-20240213	2/13/24 / 1200	1	2		X		X	X
003	GW-07-WG-20240213	2/13/24 / 1405	1	2		X		X	X
004	GW-14-WG-20240213	2/13/24 / 1610	1	2		X		X	X
005	GW-15-WG-20240215	2/15/24 / 1340	1	2		X		X	X
006	GW-16S-WG-20240213	2/13/24 / 1650	1	2		X		X	X
007	GW-16D-WG-20240214	2/14/24 / 1645	1	2		X		X	X
008	GW-17-WG-20240214	2/14/24 / 1510	1	2		X		X	X
009	GW-18S-WG-20240214	2/14/24 / 1240	1	2		X		X	X
010	GW-18D-WG-20240214	2/14/24 / 1210	1	2		X		X	X

Relinquished By	Date/Time	Received By	Date/Time
Joshua Richards	2/15/24 / 1702	Rich Reed	2/15/14 17:02

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: 87111

CHAIN OF CUSTODY

pg. 2 of 3 Work order # 24021240

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

Client: ERM
Address: 1968 Craig Road
City / State / Zip St. Louis, MO 63146
Contact: Michael Abegg **Phone:**
E-Mail: michael.abegg@erm.com **Fax:**

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 5.9 °C LTG# 3
Preserved in: ☐ LAB ☐ FIELD
FOR LAB USE ONLY
Lab Notes:

Client Comments

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No
Are these samples known to be hazardous? If yes, include details of the hazard. ☐ 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
Ameren Taylorville 1st Qtr 2024	

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	HCl							MATRIX: Aqueous	Groundwater	Trip Blank				INDICATE ANALYSIS REQUESTED: PAHs	VOCs													
24021240-011	GW-19S-WG-2024 0214	2/14/24 / 1050	1	2								X					X	X													
012	GW-19D-WG-2024 0214	2/14/24 / 1010	1	2								X					X	X													
013	GW-20-WG-2024 0214	2/14/24 / 0805	1	2								X					X	X													
014	GW-21-WG-2024 0215	2/15/24 / 0925	1	2								X					X	X													
015	GW-22S-WG-2024 0215	2/15/24 / 1120	1	2								X					X	X													
016	GW-22D-WG-2024 0215	2/15/24 / 1155	1	2								X					X	X													
017	DUP-001-WG-2024 213	2/13/24 / 0001	1	2								X					X	X													
	FB-001-WQ-2024		1	2							X						X	X													
018	TB-001-WQ-2024 0215	2/15/24 / 1500		2									X					X													
	TB-002-WQ-2024			2									X					X													

Relinquished By	Date/Time	Received By	Date/Time
John Richards	2/15/24 / 1702	Nick Reed	2/15/24 17:02

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: 87111

CHAIN OF CUSTODY

pg. 3 of 3 Work order # 24021240

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

Client: ERM
Address: 1968 Craig Road
City / State / Zip St. Louis, MO 63146
Contact: Michael Abegg **Phone:**
E-Mail: michael.abegg@erm.com **Fax:**

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE 6.9 °C LTG# 3
Preserved in: ☒ LAB ☒ FIELD
FOR LAB USE ONLY
Lab Notes:

Client Comments

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No
Are these samples known to be hazardous? If yes, include details of the hazard. ☐ 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
Ameren Taylorville 1st Qtr 2024	

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	HCl	MATRIX: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: PAHs	VOCs
	DUP-002-WG-2024		1	2		X		X	X
	EB-002-WQ-2024		1	2		X		X	X
24021240-	DUP-003-WG-2024		1	2		X		X	X
019	GW-25-WG-2024 0214	2/14/24 / 1430	1	2		X		X	X
020	GW-26-WG-2024 0215	2/15/24 / 0805	1	2		X		X	X
021	EQB-001-WQ-2024 0213	2/13/24 / 1105	1	2	X			X	X
	EQB-002-WQ-2024		1	2	X			X	X
022	DUP-002-WG-2024 0215	2/15/24 / 0002	1	2		X		X	X

Relinquished By	Date/Time	Received By	Date/Time
Joshua Richards	2/15/24 / 1702	Nick Roach	2/15/24 17:02

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: 87111

ATTACHMENT B SUMMARY OF QUARTER 1 2024 ANALYTICAL RESULTS – 13-15 FEBRUARY 2024

Attachment B
Q1 2024 Groundwater Analytical Summary Table
Ameren Taylorville
Taylorville, IL

		Sample Location	GW-4R		GW-4R		GW-5		GW-7		GW-7		GW-14		GW-15		GW-16D		GW-16S		GW-17		GW-18D	
		Sample Type Code	FD		N		N		FD		N		N		N		N		N		N		N	
		Sample Date	02/15/2024		02/15/2024		02/13/2024		02/13/2024		02/13/2024		02/13/2024		02/15/2024		02/14/2024		02/13/2024		02/14/2024		02/14/2024	
Constituent	Unit	CLASS I GROUNDWATER INGESTION																						
SVOC																								
Acenaphthene	mg/L	0.42	**0.0293**		**0.0308**		< 0.000100		**0.000130**		**0.000139**		< 0.000100		**0.000087**	J	< 0.000100		< 0.000100		< 0.000100		< 0.000100	
Acenaphthylene	mg/L	0.42	**0.00226**		**0.00242**		< 0.000100		**0.000157**		**0.000178**		< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100	
Anthracene	mg/L	2.1	**0.000831**		**0.000936**		< 0.000300		**0.00149**		**0.00167**		< 0.000300		< 0.000300		< 0.000300		< 0.000300		< 0.000300		< 0.000300	
Benzo(a)anthracene	mg/L	0.00013	**0.000109**		**0.000113**		< 0.000100		**0.000204**		**0.000224**		< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100	
Benzo(a)pyrene	mg/L	0.0002	< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200	
Benzo(b)fluoranthene	mg/L	0.00018	**0.000092**	J	< 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	mg/L	0.21	< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100	
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00200		< 0.00200		< 0.00200		**0.0180**		**0.0200**		**0.00416**	J-	< 0.00200		**0.00770**		< 0.00200		< 0.00200		< 0.00200	
Chrysene	mg/L	0.0015	**0.000276**		**0.000279**		< 0.000100		**0.000166**		**0.000166**		< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100		< 0.000100	
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200	
Dibutyl phthalate	mg/L	0.7	< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100	
Fluoranthene	mg/L	0.28	**0.00417**		**0.00472**		< 0.000300		**0.00111**		**0.00118**		< 0.000300		< 0.000300		< 0.000300		< 0.000300		< 0.000300		< 0.000300	
Fluorene	mg/L	0.28	**0.0706**		**0.0719**		< 0.000200		**0.000351**		**0.000365**		< 0.000200		**0.00019**	J	< 0.000200		< 0.000200		< 0.000200		< 0.000200	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200	
m,p-cresol	mg/L		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100	
Naphthalene	mg/L	0.14	**0.634**		**0.839**		< 0.000400		< 0.000400		< 0.000400		< 0.000400		**0.00250**		< 0.000400		< 0.000400		< 0.000400		< 0.000400	
o-Cresol	mg/L	0.35	< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100		< 0.0100	
Phenanthrene	mg/L	0.21	**0.0726**		**0.0716**		< 0.000600		< 0.000600		< 0.000600		< 0.000600		< 0.000600		< 0.000600		< 0.000600		< 0.000600		< 0.000600	
Pyrene	mg/L	0.21	**0.00159**	j	**0.00225**	j	< 0.000200		**0.00262**		**0.00275**		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200	
VOC																								
Benzene	ug/L	5	**1500**	J	**1380**		< 0.50		< 0.50	UJ	< 0.50	UJ	< 0.50		< 0.50		< 0.71	U	< 0.50		< 0.50		< 0.50	
Bromoform	ug/L	1	< 2.00		< 5.00		< 0.20		< 0.20	UJ	< 0.20	UJ	< 0.20		< 0.20		< 0.20		< 0.20		< 0.20		< 0.20	
Ethylbenzene	ug/L	700	**369**		**322**		< 1.00		< 1.00	UJ	**0.12**	J-	< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00	
m,p-Xylenes	ug/L		**145**	j	**124**	j	< 1.00		< 1.00	UJ	< 1.00	UJ	< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00	
Methylene chloride	ug/L	5	< 20.0		< 50.0		< 2.00		< 2.00	UJ	< 2.00	UJ	< 2.00		< 2.00		< 2.00		< 2.00		< 2.00		< 2.00	
Naphthalene	ug/L	140	**1940**		**1700**		< 2.00		< 2.00	UJ	**1.2**	J-	**0.64**	J	< 2.00		< 2.00		< 2.00		< 2.00		< 2.00	
o-Xylene	ug/L		**203**		**182**		< 1.00		< 1.00	UJ	< 1.00	UJ	< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00	
Toluene	ug/L	1000	**378**		**320**		< 2.00		< 2.00	UJ	< 2.00	UJ	< 2.00		< 2.00		< 2.00		< 2.00		< 2.00		< 2.00	
trans-1,2-Dichloroethene	ug/L	100	< 20.0		< 50.0		< 2.00		< 2.00	UJ	< 2.00	UJ	< 2.00		< 2.00		< 2.00		< 2.00		< 2.00		**0.19**	J
Xylene, Total	ug/L	10000	**348**		**306**		< 2.00		< 2.00	UJ	< 2.00	UJ	< 2.00		< 2.00		< 2.00		< 2.00		< 2.00		< 2.00	

Notes:
FD = Field Duplicate
N = Normal Sample
FB = Field Blank
J = estimated concentration
J- = estimated concentration, biased low
j = estimated concentration; qualifer added in validation
UJ = non-detected with an estimated report limit
U = non-detected; qualifer added in validation
NA= not analyzed
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment B
Q1 2024 Groundwater Analytical Summary Table
Ameren Taylorville
Taylorville, IL

		Sample Location Sample Type Code Sample Date	GW-18S N 02/14/2024	GW-19D N 02/14/2024	GW-19S N 02/14/2024	GW-20 N 02/14/2024	GW-21 N 02/15/2024	GW-22D N 02/15/2024	GW-22S N 02/15/2024	GW-25 N 02/14/2024	GW-26 N 02/15/2024	TRIP BLANK TB 02/15/2024	Field Blank FB 2/13/2024
Constituent	Unit	CLASS I GROUNDWATER INGESTION											
SVOC													
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA	< 0.000100
Acenaphthylene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	**0.000172**	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	**0.000177**	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	**0.000579**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000100	< 0.000100	**0.000563**	**0.000081** J	< 0.000100	**0.000078** J	< 0.000100	< 0.000100	NA	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	**0.000562**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000100	< 0.000100	**0.000153**	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA	< 0.000100
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00266**	**0.00201**	< 0.00200	< 0.00200	< 0.00200	< 0.00200	**0.00242**	< 0.00200	< 0.00200	NA	< 0.00200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000100	< 0.000100	**0.000236**	**0.000059** J	< 0.000100	**0.000065** J	< 0.000100	< 0.000100	NA	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NA	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	**0.00029** J	< 0.000300	< 0.000300	NA	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	**0.000374**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
m,p-cresol	mg/L		< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NA	< 0.0100
Naphthalene	mg/L	0.14	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	NA	< 0.000400
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NA	< 0.0100
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	NA	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	**0.000294**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
VOC													
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**115**	< 0.50	< 0.50	< 0.50	**1.56**
Bromoform	ug/L	1	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**1.98**	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.75** J	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	5	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	140	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**2.51**	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.0 U	< 2.00	< 2.00	**0.16** J	< 2.00 U
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	**3.26**	< 2.00	< 2.00	< 2.00	< 2.00

Notes:
FD = Field Duplicate
N = Normal Sample
FB = Field Blank
J = estimated concentration
J- = estimated concentration, biased low
j = estimated concentration; qualifer added in validation
UJ = non-detected with an estimated report limit
U = non-detected; qualifer added in validation
NA= not analyzed
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

ATTACHMENT C SUMMARY OF HISTORICAL ANALYTICAL RESULTS – FEBRUARY 2020-FEBRUARY 2024

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-01 Analyte	Unit	Remediation Objective (RO)	Result 2/19/2020	Result 5/14/2020	Result 8/13/2020	Result 11/11/2020	Result 2/24/2021	Result 5/13/2021	Result 8/11/2021	Result 11/9/2021	Result 2/16/2022	Result 5/10/2022	Result 9/8/2022	Result 11/29/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001 B	< 0.000222	< 0.0003	< 0.0003	< 0.0003	NA	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	NA	**0.000074 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.00148 C	< 0.002 C	< 0.002 C	< 0.002	NA	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000222	< 0.0003	< 0.0003	< 0.0003	NA	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000148	< 0.0002	< 0.0002	< 0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001 B	< 0.000074	< 0.0001	< 0.0001	< 0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000296	< 0.0004	< 0.0004	< 0.0004	NA	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000444	< 0.0006	< 0.0006	**0.0007**	NA	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.000148	< 0.0002	< 0.0002	< 0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.37 J**	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.48 J**
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.37 J**	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
NA = Not analyzed due to laboratory error.

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-01 Analyte	Unit	Remediation Objective (RO)	Result 2/15/2023	Result 5/16/2023
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2
o-Xylene	µg/L	-	**0.1 J**	< 2
Toluene	µg/L	1000	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
NA = Not analyzed due to laboratory error.

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-02 Analyte	Unit	Remediation Objective (RO)	Result 2/19/2020	Result 5/14/2020	Result (DUP) 5/14/2020	Result 8/14/2020	Result 11/11/2020	Result (DUP) 11/11/2020	Result 2/24/2021	Result 5/13/2021	Result 8/11/2021	Result 11/9/2021	Result 2/16/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001 B	< 0.000254	< 0.000254	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000074 J**	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000169	< 0.000169	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00726**	< 0.00169 C	< 0.00169 C	**0.0225 C**	< 0.002 C	< 0.002 C	**0.00364 C**	**0.00206**	**0.0195**	< 0.002 B	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00847	< 0.00847	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000254	< 0.000254	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000169	< 0.000169	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001 B	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00847	< 0.00847	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00847	< 0.00847	< 0.01	< 0.0004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000339	< 0.000339	< 0.0004	< 0.01	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000508	< 0.000508	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.000169	< 0.000169	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.35 J**	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	< 2 B	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.35 J**	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-02 Analyte	Unit	Remediation Objective (RO)	Result 5/10/2022	Result 9/8/2022	Result 11/30/2022	Result (DUP) 11/30/2022	Result 2/15/2023	Result 5/16/2023
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.00008 J**	**0.00171 H**
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.00043**	**0.0036 H**
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.00027	< 0.0003 H
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.00009	< 0.0001 H
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00018	< 0.0002 H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.00009	< 0.0001 H
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00018	< 0.0002 H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.00009	< 0.0001 H
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	**0.0108 S**	< 0.002	< 0.002	**0.00431**	< 0.002 H
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.00009	< 0.0001 H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00018	< 0.0002 H
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00896	< 0.01 H
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.00027	< 0.0003 H
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.00033**	**0.00016 JH**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00018	< 0.0002 H
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00896	< 0.01 H
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00896	< 0.0004 H
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	**0.00448**	< 0.01 H
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.00054	< 0.0006 H
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00018	< 0.0002 H
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	**1.23**	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	**0.53 J**	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	**0.36 J**	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	**0.47 J**	**0.46 BJ**	**7.22**	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	**1.21**	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	**0.15 J**	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	**1.6 J**	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-03 Analyte	Unit	Remediation Objective (RO)	Result 2/19/2020	Result 5/12/2020	Result 8/14/2020	Result 11/10/2020	Result 2/24/2021	Result (DUP) 2/24/2021	Result 5/13/2021	Result 8/11/2021	Result 11/9/2021	Result 2/16/2022	Result 5/12/2022
Acenaphthene	mg/L	0.42	0.000844	0.00117	0.00139	0.000473	0.00078	0.000795	0.000597	0.000938	0.000681	0.00064	0.00114
Acenaphthylene	mg/L	-	0.00292	0.0042 J	0.00501	0.00183	0.00346	0.00309	0.00245	0.00292	0.00242	0.00245	0.00419
Anthracene	mg/L	2.1	0.000154	0.00017 J	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	0.00024 J	0.00023 J	< 0.0003	0.00025 J
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000082	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000082	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000082	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000164	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000082	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	0.0109	< 0.00164 C	0.0461 C	< 0.002 C	0.00316	< 0.002	0.0018 J	< 0.002	0.0019 BJ	0.00277	0.0029
Chrysene	mg/L	0.0015	< 0.0001	< 0.000082	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000082	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.0082	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	0.000421	0.000306	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	0.00186	0.00274	0.00314	0.0012	0.00228	0.00235	0.00159	0.00262	0.00178	0.00175	0.0029
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	0.000081 J	< 0.000082	0.000071 J	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.0082	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.0082	< 0.01	< 0.0100	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	0.153	0.521	0.587	0.128	0.239	0.181	0.202 S	0.157	0.129	0.0873	0.329 S
Phenanthrene	mg/L	-	0.000613	0.000971	0.0011	0.000605	0.001080	0.000925	0.000769	0.00127	0.000785	0.000776	0.00143
Pyrene	mg/L	0.21	0.000819	0.000661	0.000298	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	24	50.1	47.1	16.2	23.6	22.8	10.4	24.2	11.2	13.3	24.6
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 20
Ethylbenzene	µg/L	700	12.7	42.6	40.5	21.6	32.4	31.6	12.5	37.9	13.2	15.9	27.7
m,p-Xylenes	µg/L	-	41.6	135	76	9.33	25.8	25.5	6.19	16.4	3.16	3.42	31.9
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 20
Naphthalene	µg/L	140	654	1000	842	924	421	425	285 E	511	224	161	375
o-Xylene	µg/L	-	52.2	124	107	31	41.7	40.7	15.7	38	13.8	12.5	40.2
Toluene	µg/L	1000	6.2	21.8	11.5	2.34	5.63	5.52	1.3 J	4.37	2 J	1.1 J	9.3 J
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 20
Xylenes, Total	µg/L	10000	93.9	259	183	40.4	67.5	66.2	21.9	54.4	17	15.9	72.1

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-03 Analyte	Unit	Remediation Objective (RO)	Result 9/8/2022	Result (DUP) 9/8/2022	Result 11/30/2022	Result 2/15/2023	Result 5/18/2023
Acenaphthene	mg/L	0.42	**0.000699**	**0.000717**	**0.000207**	**0.00243**	**0.0002 H**
Acenaphthylene	mg/L	-	**0.00275**	**0.00276**	**0.00093**	**0.00427**	**0.00091 H**
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003 S	< 0.0003	< 0.0003 H
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0018 J**	**0.0015 J**	< 0.002 S	**0.00314**	< 0.002 H
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01 S	< 0.01	< 0.01 H
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003 S	< 0.0003	< 0.0003 H
Fluorene	mg/L	0.28	**0.00188**	**0.00184**	**0.000851**	< 0.0002	0.00061 H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002 S	< 0.0002	< 0.0002 H
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H
Naphthalene	mg/L	0.14	**0.114**	**0.133**	**0.0112 S**	**0.0004 J**	**0.0128 H**
Phenanthrene	mg/L	-	**0.00109**	**0.00103**	< 0.0006 S	< 0.0006	< 0.0006 H
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002 S	< 0.0002	< 0.0002 H
Benzene	µg/L	5.0	**8.58**	**11**	**2.46 S**	< 0.5	**5.6**
Bromoform	µg/L	1.0	< 2	< 2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	**9.77**	**15**	**0.4 JS**	< 1	**3.95**
m,p-Xylenes	µg/L	-	**1.57**	**2.01**	**0.32 JS**	< 1	**2.5**
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**143**	**192**	**13.3**	**0.54 J**	**37.8**
o-Xylene	µg/L	-	**8.35**	**11**	**1.51 S**	< 1	**6.58**
Toluene	µg/L	1000	**0.74 J**	**1 J**	**0.14 JS**	< 2	**0.9 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	**9.92**	**13**	**1.8 JS**	< 2	**9.08**

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-04 Analyte	Unit	Remediation Objective (RO)	Result 2/18/2020	Result 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result 2/24/2021	Result 5/13/2021	Result (DUP) 5/13/2021	Result 8/12/2021	Result - DUP 8/12/2021	Result 11/9/2021	Result 2/17/2022
Acenaphthene	mg/L	0.42	0.0133	0.0212	0.0284	0.0148	0.0175	0.026	0.026	0.022	0.0239	0.0274	0.0316
Acenaphthylene	mg/L	-	0.00336	< 0.000075	0.00407	0.00144	0.00147	0.00229	0.00303	0.00618	0.00584	0.00531	0.00244
Anthracene	mg/L	2.1	0.000775	< 0.000226	0.000868	0.000536	0.000792	0.000654	0.00109	0.000745	0.000691	0.00093	0.0012
Benzo(a)anthracene	mg/L	0.00013	0.000102	0.000086	0.000113	0.000142	0.000133	0.000186	0.000261	0.000158	0.000173	0.000214	0.000104
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	0.0001	0.000059 J	< 0.0001	0.000139	0.000120	0.000229	0.000376	0.000125	0.000192	0.000226	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.00015	< 0.0002	0.00005 J	< 0.00020	< 0.00020	0.00019 J	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	0.000077 J	0.000124	< 0.0001	< 0.0001	0.00007 J	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.0015 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002
Chrysene	mg/L	0.0015	0.000284	0.000235	0.000313	0.000401	0.000334	0.000493	0.000747	0.000491	0.000501	0.000754	0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00752	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	0.00349	0.00315	0.00366	0.00265	0.0029	0.00334	0.0045	0.00379	0.00404	0.00397	0.00375
Fluorene	mg/L	0.28	0.0464	0.0694	0.0777	0.0399	0.0607	0.0733	0.0735	0.0689	0.0776	0.07	0.0906
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	0.000092 J	< 0.000075	0.000073 J	< 0.0001	< 0.0002	< 0.0002	0.00018 J	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 1	0.0017 J	0.0081 J	0.00075 J	0.0086 J	0.0164	0.022	0.007 J	0.0083 J	< 0.01	0.0023 J
o-Cresol	mg/L	0.35	< 1	< 0.752	0.0161	< 0.0100	0.0123	0.0209	0.0244	0.0095 J	0.0074 J	< 0.01	0.0059 J
Naphthalene	mg/L	0.14	1.37	1.69	1.89	1.50	1.53	1.82	1.86	1.62	1.75	2.43	1.82
Phenanthrene	mg/L	-	0.0422	0.0537	0.0681	0.0383	0.0576	0.0674	0.0647	0.0562	0.0609	0.0542	0.0801
Pyrene	mg/L	0.21	0.00161	0.00141	0.00176	0.00143	0.00149	0.00143	0.00219	0.00184	0.00184	0.0019	0.00177
Benzene	µg/L	5.0	535 S	739	450	399	632	341	775	652	658	798	1150
Bromoform	µg/L	1.0	< 2	< 20	< 2	< 2	< 2	< 100	< 20	< 100	< 2	< 200	< 2
Ethylbenzene	µg/L	700	173	246	200	180	155	104	216	235	243	331	476
m,p-Xylenes	µg/L	-	159	204	192	168	165	80.5	158	135	146	166	108
Methylene chloride	µg/L	5.0	< 2	< 20	< 2	< 2	< 2	< 100	< 20	< 100	< 2	< 200	< 2
Naphthalene	µg/L	140	3570	5560	4700 E	4130	2790	1510	3150	3020	3020	3520	2530
o-Xylene	µg/L	-	115	154	135	192	140	67	137	108	118	178	241
Toluene	µg/L	1000	312 S	579	407	125	208	184	409	256	255	216	90.5
trans-1,2-Dichloroethene	µg/L	100	< 2	< 20	< 2	< 2	< 2	< 100	< 20	< 100	< 2	< 200	< 2
Xylenes, Total	µg/L	10000	274	358	327	359	304	148	295	243	265	344	350

Notes:
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Yellow = Exceeds RO for Class I Groundwater Ingestion
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Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-04 Analyte	Unit	Remediation Objective (RO)	Result - DUP 2/17/2022	Result 5/12/2022	Result - DUP 5/12/2022	Result 9/8/2022	Result 11/30/2022	Result 2/15/2023	Result - DUP-003 2/15/2023	Result 5/18/2023	Result - DUP 5/18/2023	Result 9/13/2023	Result - DUP 9/13/2023
Acenaphthene	mg/L	0.42	0.0348	0.0339	0.0437	0.0404	0.00135	0.0348	0.0334	0.0190 H	0.0241 H	0.0290	0.0299
Acenaphthylene	mg/L	-	0.0029	0.00893	0.0101	0.00446	0.00447	0.00218	0.00195	0.000868 H	0.00117 H	0.00144	0.00154
Anthracene	mg/L	2.1	0.000864	< 0.0003	< 0.0003	0.000749	0.00241	0.00093	0.000616	0.000346 H	0.000476 H	0.000854	0.000802
Benzo(a)anthracene	mg/L	0.00013	0.000085 J	< 0.0001	0.000115	0.00009 J	0.00194	0.00015	0.000109	< 0.0001 H	0.000072 JH	0.000096 J	0.000078 J
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	0.00012 J	< 0.0002	0.00017 J	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	0.000084 J	< 0.0001	0.000128	< 0.0001	0.00252	0.0001	0.00007 J	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000544	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.000697	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	0.002 J	< 0.002	< 0.002	< 0.002 H	< 0.002 H	< 0.002	< 0.002
Chrysene	mg/L	0.0015	0.000196	0.00013	0.00022	0.000241	0.00674	0.00051	0.000385	0.00021 H	0.00017 H	0.000209	0.000187
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000256	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	0.00357	0.00289	0.00383	0.00414	0.021	0.00489	0.00457	0.00257 H	0.00276 H	0.00460	0.00444
Fluorene	mg/L	0.28	0.0765	0.0847	0.104	0.0853	0.0841	0.08	0.0801	0.0397 H	0.0537 H	0.0616	0.0538
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000588	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	0.0018 J	0.0046 J	0.0068 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01
o-Cresol	mg/L	0.35	0.0035 J	0.058 J	0.008 J	< 0.01	< 0.01	< 0.01	< 0.01	0.00090 JH	0.00098 JH	< 0.01	< 0.01
Naphthalene	mg/L	0.14	1.82 J	2.77	3.54	2.8	1.5	1.83	1.86	< 0.0004 H	0.398 H	0.410	0.446
Phenanthrene	mg/L	-	0.075	0.0715	0.0888	0.0799	0.142	0.0722	0.0735	0.0148 H	0.0461 H	0.0694	< 0.15
Pyrene	mg/L	0.21	0.00174	0.00131	0.00184	0.00176	0.0124	0.00208	0.00203	0.000948 H	0.00102 H	0.00225	0.00227
Benzene	µg/L	5.0	1180	1100	1070	670	895	609	612	341	364	235	241
Bromoform	µg/L	1.0	< 2	< 100	< 100	< 20	< 2	< 10	< 0.2	< 2	< 10	< 2	< 2
Ethylbenzene	µg/L	700	500	312	330	249	304	250	250	186	184	144	144
m,p-Xylenes	µg/L	-	104	225	229	112	56.6	63.5	64.5	39.3	48 J	19.1	20.8
Methylene chloride	µg/L	5.0	< 2	< 100	< 100	< 20	< 20	< 100	< 2	38.3	< 100	< 20	10 J
Naphthalene	µg/L	140	2620	3550	3350	3540	2340	2380	2490	1580	1480	814	740
o-Xylene	µg/L	-	244	176	184	157	187	136	148	93.4	100	80.3	82.1
Toluene	µg/L	1000	94.6	338	357	104	100	72 J	70.8	30.5	42 J	14 J	15 J
trans-1,2-Dichloroethene	µg/L	100	< 2	< 100	< 100	< 20	< 20	< 100	< 2	< 20	< 100	< 20.0	< 20
Xylenes, Total	µg/L	10000	347	400	412	269	243	199	213	133	148	99.4	103

Notes:
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The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-04 Analyte	Unit	Remediation Objective (RO)	Result 10/27/2023	Result - DUP 10/27/2023	Result 2/15/2024	Result - DUP 2/15/2024
Acenaphthene	mg/L	0.42	**0.0330**	**0.0373**	**0.0308**	**0.0293**
Acenaphthylene	mg/L	-	**0.00163**	**0.00183**	**0.00242**	**0.00226**
Anthracene	mg/L	2.1	**0.00092**	**0.00135**	**0.000936**	**0.000831**
Benzo(a)anthracene	mg/L	0.00013	**0.000570**	**0.000620**	**0.000113**	**0.000109**
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	0.000557	**0.000591**	< 0.0001	**0.000092** J
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	**0.000116**	**0.000139**	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	**0.00217**	**0.00233**	**0.000279**	**0.000276**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00893**	< 0.015	**0.00472**	**0.00417**
Fluorene	mg/L	0.28	**0.0573**	**0.0802**	**0.0719**	**0.0706**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	**0.00079** J	**0.001** J	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	**0.001** J	< 0.01	< 0.01
Naphthalene	mg/L	0.14	**0.343**	**0.414**	**0.839**	**0.634**
Phenanthrene	mg/L	-	**0.0669**	**0.0915**	**0.0716**	**0.0726**
Pyrene	mg/L	0.21	**0.00411**	**0.00465**	**0.00225**	**0.00159**
Benzene	µg/L	5.0	**346**	**392**	**1380**	**1500**
Bromoform	µg/L	1.0	< 2	< 0.2	< 5	< 2
Ethylbenzene	µg/L	700	**117**	**159**	**322**	**369**
m,p-Xylenes	µg/L	-	**14.7**	**19.7**	**124**	**145**
Methylene chloride	µg/L	5.0	< **20**	< 2	< 50	< 20
Naphthalene	µg/L	140	**510**	**531**	**1700**	**1940**
o-Xylene	µg/L	-	**62**	**80.8**	**182**	**203**
Toluene	µg/L	1000	**24.8**	**34.8**	**320**	**378**
trans-1,2-Dichloroethene	µg/L	100	< 20	< 2	< 50	< 20
Xylenes, Total	µg/L	10000	**76.7**	**101**	**306**	**348**

Notes:
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Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-05 Analyte	Unit	Remediation Objective (RO)	Result 2/20/2020	Result 5/12/2020	Result 8/13/2020	Result (DUP) 8/13/2020	Result 11/11/2020	Result 2/24/2021	Result 5/11/2021	Result 8/12/2021	Result 11/9/2021	Result 2/15/2022
Acenaphthene	mg/L	0.42	**0.000056 J**	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000233	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000075** J
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	**0.0101**	**0.00227 C**	**0.00286 C**	**0.00845 S**	**0.0087**	**0.00374**	**0.00627**	**0.00213 B**	< 0.0002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00775	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000233	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	0.000158	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00775	< 0.01	< 0.01	< 0.01 R	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00775	< 0.01	< 0.01	< 0.0100 S	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	**0.00366**	**0.00103**	< 0.0004	< 0.0004	**0.00159 S**	**0.00111**	< 0.0004	**0.00194**	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000465	< 0.0006	< 0.0006	< 0.0006	**0.000838**	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000155	< 0.0002	< 0.0002	< 0.0002	**0.000221**	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.18 J**	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	**0.25 J**	**0.22 J**	< 1	< 1	**1.21**	< 1
m,p-Xylenes	µg/L	-	**0.18 J**	< 1	< 1	< 1	**0.29 J**	**0.2 J**	< 1	< 1	**0.99 J**	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**46.6**	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 H	< 2
o-Xylene	µg/L	-	**0.11 J**	< 1	< 1	< 1	**0.17 JS**	**0.14 J**	< 1	< 1	**0.74 J**	< 1
Toluene	µg/L	1000	**0.17 J**	< 2	< 2	< 2	< 2	**0.12 J**	< 2	< 2	**0.3 J**	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	**0.29 J**	< 2	< 2	< 2	**0.46 J**	**0.34 J**	< 2	< 2	**1.7 J**	< 2

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S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-05 Analyte	Unit	Remediation Objective (RO)	Result 5/10/2022	Result 9/7/2022	Result 11/29/2022	Result 2/13/2023	Result 5/16/2023	Result - DUP 5/16/2023	Result 9/13/2023	Result - DUP 9/13/2023	Result 10/25/2023	Result 2/13/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.0002	**0.0017** J	< 0.002	< 0.002	< 0.002	**0.00262**	< 0.002	< 0.002	< 0.002	< 0.0020
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	**0.00066**	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.31** J	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**1** J	< 1	**1** J	**0.49** BJ	< 2	< 2	**1.4** J	**11**	**0.93** J	< **2.0**
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.2** J	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-07 Analyte	Unit	Remediation Objective (RO)	Result 2/18/2020	Result 5/12/2020	Result 8/13/2020	Result 11/10/2020	Result 2/23/2021	Result 5/12/2021	Result 8/12/2021	Result 11/9/2021	Result 2/16/2022	Result 5/11/2022
Acenaphthene	mg/L	0.42	**0.000077 J**	**0.000063 J**	**0.000071 J**	**0.000076 J**	**0.000076 J**	**0.000118**	**0.000079 J**	**0.000136**	**0.000183**	**0.000145**
Acenaphthylene	mg/L	-	**0.000116**	**0.000098**	**0.000105**	**0.000142**	**0.000168**	**0.000117**	**0.000137**	**0.000186**	**0.000251**	**0.000149**
Anthracene	mg/L	2.1	**0.000877**	**0.00069**	**0.000772**	**0.0012**	**0.00144**	**0.00119**	**0.00124**	**0.00146**	**0.00144**	**0.00153**
Benzo(a)anthracene	mg/L	0.00013	**0.000164**	**0.000141**	**0.000168**	**0.000155**	**0.000119**	**0.000161**	**0.000186**	**0.000235**	**0.000185**	**0.000182**
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	**0.000057 J**	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000144	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.011**	**0.0022 C**	**0.00202 C**	**0.00655**	**0.00975**	**0.00732**	**0.00233**	**0.00403 S**	**0.00290**	**0.00471**
Chrysene	mg/L	0.0015	**0.000116**	**0.000101**	**0.00014**	**0.000112**	**0.000082** J	**0.000102**	**0.000122**	**0.00017**	**0.000177**	**0.000163**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00719	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00113**	**0.000996**	**0.000951**	**0.00119**	**0.00131**	**0.00136**	**0.00146**	**0.00164**	**0.00147**	**0.00169**
Fluorene	mg/L	0.28	**0.000235**	**0.000165**	**0.000205**	**0.000278**	**0.000295**	**0.000343**	**0.000305**	**0.00039**	**0.000516**	**0.000368**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000072	**0.000076 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00719	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00719	< 0.01	< 0.01	< 0.01	< 0.01	**0.01**	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	**0.00019 J**	< 0.000288	< 0.0004	< 0.0004	< 0.0004	**0.00329**	< 0.0004	< 0.0004	**0.00269**	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000432	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.0016**	**0.00152**	**0.0014**	**0.00185**	**0.00197**	**0.00227**	**0.00233**	**0.0026**	**0.0025**	**0.0030**
Benzene	µg/L	5.0	< 0.5	< 0.5	**0.51**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1	**0.32 J**	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.54 J**	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**6.07**	< 2	**0.64 J**	**1.4 J**	< 2	**1.4 J**	< 2	< 2 H	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.21 J**	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	**0.1 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.75 J**	< 2	< 2

Notes:
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Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-07 Analyte	Unit	Remediation Objective (RO)	Result 9/7/2022	Result 11/29/2022	Result 2/15/2023	Result 5/17/2023	Result 9/13/2023	Result 10/27/2023	Result 2/13/2024	Result - DUP 2/13/2024
Acenaphthene	mg/L	0.42	**0.000118**	**0.00012**	**0.000183**	**0.000122 H**	**0.000155**	**0.000158**	**0.000139**	**0.000130**
Acenaphthylene	mg/L	-	**0.00017**	**0.000179**	**0.000203**	**0.000137 H**	**0.000194**	**0.000202**	**0.000178**	**0.000157**
Anthracene	mg/L	2.1	**0.00162**	**0.00144**	**0.00148**	**0.00115 H**	**0.00179**	**0.00161**	**0.00167**	**0.00149**
Benzo(a)anthracene	mg/L	0.00013	**0.000212**	**0.000201**	**0.000202**	**0.000183 H**	**0.000235**	**0.000211**	**0.000224**	**0.000204**
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0015 J**	**0.00578**	**0.00331**	**0.0148 H**	**0.00395**	**0.00271**	**0.0200**	**0.0180**
Chrysene	mg/L	0.0015	**0.000164**	**0.000157**	**0.000141**	**0.000145 H**	**0.000194**	**0.000184**	**0.000166**	**0.000166**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00154**	**0.00154**	**0.00127**	**0.00106 H**	**0.00141**	**0.00122**	**0.00118**	**0.00111**
Fluorene	mg/L	0.28	**0.000331**	**0.000366**	**0.0004**	**0.000331 H**	**0.000413**	**0.000393**	**0.000365**	**0.000351**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	**0.00283 S**	< 0.0004 H	< 0.0004	**0.000614**	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006 H	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.0028**	**0.00281**	**0.0026**	**0.00157 H**	**0.00238**	**0.00265**	**0.00275**	**0.00262**
Benzene	µg/L	5.0	< 0.5	< 0.5 S	< 0.5	< 0.5	< 0.5	< 0.5	**0.15 J**	< 0.5
Bromoform	µg/L	1.0	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1
m,p-Xylenes	µg/L	-	< 1	< 1 S	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.7 J**	**0.36 BJ**	< 2	< 2	< 2	**1.2 J**	< 2
o-Xylene	µg/L	-	< 1	< 1 S	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2 S	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2 S	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
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Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-9S Analyte	Unit	Remediation Objective (RO)	Result 5/12/2020		Result 5/12/2021		Result 5/10/2022		Result 5/17/2023	
Acenaphthene	mg/L	0.42	< 0.000078		< 0.0001		< 0.0001		< 0.0001	H
Acenaphthylene	mg/L	-	< 0.000078		< 0.0001		< 0.0001		< 0.0001	H
Anthracene	mg/L	2.1	< 0.000233		< 0.0003		< 0.0003		< 0.0003	H
Benzo(a)anthracene	mg/L	0.00013	< 0.000078		< 0.0001		< 0.0001		< 0.0001	H
Benzo(a)pyrene	mg/L	0.0002	< 0.000078		< 0.0002		< 0.0002		< 0.0002	H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000078		< 0.0001		< 0.0001		< 0.0001	H
Benzo(g,h,i)perylene	mg/L	-	< 0.000155		< 0.0002		< 0.0002		< 0.0002	H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000078		< 0.0001		< 0.0001		< 0.0001	H
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00155	C	< 0.002		**0.0016**	**J**	< 0.002	H
Chrysene	mg/L	0.0015	< 0.000078		< 0.0001		< 0.0001		< 0.0001	H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000078		< 0.0002		< 0.0002		< 0.0002	H
Di-n-butyl phthalate	mg/L	0.7	< 0.00775		< 0.01		< 0.01		< 0.01	H
Fluoranthene	mg/L	0.28	< 0.000233		< 0.0003		< 0.0003		< 0.0003	H
Fluorene	mg/L	0.28	< 0.000155		< 0.0002		< 0.0002		< 0.0002	H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000078		< 0.0002		< 0.0002		< 0.0002	H
m,p-Cresol	mg/L	-	< 0.00775		< 0.01		< 0.01		< 0.01	H
o-Cresol	mg/L	0.35	< 0.00775		< 0.01		< 0.01		< 0.01	H
Naphthalene	mg/L	0.14	< 0.00031		**0.00273**		< 0.0004		< 0.0004	H
Phenanthrene	mg/L	-	< 0.000465		< 0.0006		< 0.0006		< 0.0006	H
Pyrene	mg/L	0.21	< 0.000155		< 0.0002		< 0.0002	B	< 0.0002	H
Benzene	µg/L	5.0	< 0.5		**0.21**	**J**	< 0.5		< 0.5	
Bromoform	µg/L	1.0	< 2		< 2		< 2		< 0.2	
Ethylbenzene	µg/L	700	< 1		**0.33**	**J**	**0.11**	**J**	< 1	
m,p-Xylenes	µg/L	-	< 1		**0.27**	**J**	< 1		< 1	
Methylene chloride	µg/L	5.0	< 2		< 2		< 2		< 2	
Naphthalene	µg/L	140	< 2		**37.8**		**1.4**	**J**	< 2	
o-Xylene	µg/L	-	< 1		**0.2**	**J**	**0.1**	**J**	< 1	
Toluene	µg/L	1000	< 2		**0.32**	**J**	< 2		< 2	
trans-1,2-Dichloroethene	µg/L	100	< 2		< 2		< 2		< 2	
Xylenes, Total	µg/L	10000	< 2		**0.47**	**J**	< 2		< 2	

Notes:
B = Analyte detected in associated method blank
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< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-9D Analyte	Unit	Remediation Objective (RO)	Result 5/12/2020	Result 5/12/2021	Result (DUP) 5/12/2021	Result 5/10/2022	Result 5/17/2023
Acenaphthene	mg/L	0.42	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Acenaphthylene	mg/L	-	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Anthracene	mg/L	2.1	< 0.000216	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H
Benzo(a)anthracene	mg/L	0.00013	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Benzo(a)pyrene	mg/L	0.0002	< 0.000072	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Benzo(g,h,i)perylene	mg/L	-	< 0.000144	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00144 C	< 0.002	< 0.002	< 0.002	< 0.002 H
Chrysene	mg/L	0.0015	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000072	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Di-n-butyl phthalate	mg/L	0.7	< 0.00719	< 0.01	< 0.01	< 0.01	< 0.01 H
Fluoranthene	mg/L	0.28	< 0.000216	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H
Fluorene	mg/L	0.28	< 0.000144	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000072	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
m,p-Cresol	mg/L	-	< 0.00719	< 0.01	< 0.01	< 0.01	< 0.01 H
o-Cresol	mg/L	0.35	< 0.00719	< 0.01	< 0.01	< 0.01	< 0.01 H
Naphthalene	mg/L	0.14	< 0.000288	< 0.0004	< 0.0004	< 0.0004	< 0.0004 H
Phenanthrene	mg/L	-	< 0.000432	< 0.0006	< 0.0006	< 0.0006	< 0.0006 H
Pyrene	mg/L	0.21	< 0.000144	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002 H
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**5.2**	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-12 Analyte	Unit	Remediation Objective (RO)	Result 5/12/2020		Result 5/12/2021		Result 5/11/2022		Result 5/17/2023	
Acenaphthene	mg/L	0.42	< 0.000078		< 0.0001		< 0.0001		< 0.0001	H
Acenaphthylene	mg/L	-	< 0.000078		< 0.0001		< 0.0001		< 0.0001	H
Anthracene	mg/L	2.1	< 0.000233		< 0.0003		< 0.0003		< 0.0003	H
Benzo(a)anthracene	mg/L	0.00013	< 0.000078		< 0.0001		< 0.0001		< 0.0001	H
Benzo(a)pyrene	mg/L	0.0002	< 0.000078		< 0.0002		< 0.0002		< 0.0002	H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000078		**0.000106**		< 0.0001		< 0.0001	H
Benzo(g,h,i)perylene	mg/L	-	< 0.000155		**0.000203**		< 0.0002		< 0.0002	H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000078		**0.000056**	**J**	< 0.0001		< 0.0001	H
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00155	C	< 0.002		< 0.002		**0.0017**	**JH**
Chrysene	mg/L	0.0015	< 0.000078		**0.000056**	**J**	< 0.0001		< 0.0001	H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000078		< 0.0002		< 0.0002		< 0.0002	H
Di-n-butyl phthalate	mg/L	0.7	< 0.00775		< 0.01		< 0.01		< 0.01	H
Fluoranthene	mg/L	0.28	< 0.000233		< 0.0003		< 0.0003		< 0.0003	H
Fluorene	mg/L	0.28	< 0.000155		< 0.0002		< 0.0002		< 0.0002	H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000078		< 0.0002		< 0.0002		< 0.0002	H
m,p-Cresol	mg/L	-	< 0.00775		< 0.01		< 0.01		**0.00097**	**JH**
o-Cresol	mg/L	0.35	< 0.00775		< 0.01		< 0.01		< 0.01	H
Naphthalene	mg/L	0.14	< 0.00031		< 0.0004		< 0.0004		< 0.0004	H
Phenanthrene	mg/L	-	< 0.000465		< 0.0006		< 0.0006		< 0.0006	H
Pyrene	mg/L	0.21	< 0.000155		< 0.0002		< 0.0002		< 0.0002	H
Benzene	µg/L	5.0	< 0.5		< 0.5		< 0.5		< 0.5	
Bromoform	µg/L	1.0	< 2		< 2		< 2		< 0.2	
Ethylbenzene	µg/L	700	< 1		< 1		< 1		< 1	
m,p-Xylenes	µg/L	-	< 1		< 1		< 1		< 1	
Methylene chloride	µg/L	5.0	< 2		< 2		< 2		< 2	
Naphthalene	µg/L	140	< 2		< 2		< 2		< 2	
o-Xylene	µg/L	-	< 1		< 1		< 1		< 1	
Toluene	µg/L	1000	< 2		< 2		< 2		< 2	
trans-1,2-Dichloroethene	µg/L	100	< 2		< 2		< 2		< 2	
Xylenes, Total	µg/L	10000	< 2		< 2		< 2		< 2	

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-13S Analyte	Unit	Remediation Objective (RO)	Result 5/13/2020	Result 5/12/2021	Result 5/11/2022	Result - DUP 5/11/2022	Result 5/17/2023	Result - DUP 5/17/2023
Acenaphthene	mg/L	0.42	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H
Acenaphthylene	mg/L	-	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H
Anthracene	mg/L	2.1	< 0.000227	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H	< 0.0003 H
Benzo(a)anthracene	mg/L	0.00013	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H
Benzo(a)pyrene	mg/L	0.0002	< 0.000076	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H
Benzo(g,h,i)perylene	mg/L	-	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00152 C	< 0.002	**0.0015 J**	< 0.002	**0.0016 JH**	**0.00205 H**
Chrysene	mg/L	0.0015	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000076	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H
Di-n-butyl phthalate	mg/L	0.7	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H
Fluoranthene	mg/L	0.28	< 0.000227	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H	< 0.0003 H
Fluorene	mg/L	0.28	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000076	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H
m,p-Cresol	mg/L	-	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H
o-Cresol	mg/L	0.35	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H
Naphthalene	mg/L	0.14	< 0.000303	< 0.0004	< 0.0004	< 0.0004	< 0.0004 H	< 0.0004 H
Phenanthrene	mg/L	-	< 0.000455	< 0.0006	< 0.0006	< 0.0006	< 0.0006 H	< 0.0006 H
Pyrene	mg/L	0.21	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
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µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-13D Analyte	Unit	Remediation Objective (RO)	Result 5/13/2020	Result 5/13/2021	Result 5/11/2022	Result 5/17/2023
Acenaphthene	mg/L	0.42	< 0.000076	< 0.0001	< 0.0001	< 0.0001 H
Acenaphthylene	mg/L	-	< 0.000076	< 0.0001	< 0.0001	< 0.0001 H
Anthracene	mg/L	2.1	< 0.000229	< 0.0003	< 0.0003	< 0.0003 H
Benzo(a)anthracene	mg/L	0.00013	< 0.000076	**0.00007 J**	< 0.0001	< 0.0001 H
Benzo(a)pyrene	mg/L	0.0002	< 0.000076	< 0.0002	< 0.0002	< 0.0002 H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000076	**0.000102**	< 0.0001	< 0.0001 H
Benzo(g,h,i)perylene	mg/L	-	< 0.000153	**0.00024**	< 0.0002	< 0.0002 H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000076	**0.000167**	< 0.0001	< 0.0001 H
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00153 C	< 0.002	< 0.002	**0.0016 JH**
Chrysene	mg/L	0.0015	< 0.000076	**0.000104**	< 0.0001	< 0.0001 H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000076	**0.000244**	< 0.0002	< 0.0002 H
Di-n-butyl phthalate	mg/L	0.7	< 0.00763	< 0.01	< 0.01	< 0.01 H
Fluoranthene	mg/L	0.28	< 0.000229	< 0.0003	< 0.0003	< 0.0003 H
Fluorene	mg/L	0.28	< 0.000153	< 0.0002	< 0.0002	< 0.0002 H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000076	**0.000235**	< 0.0002	< 0.0002 H
m,p-Cresol	mg/L	-	< 0.00763	< 0.01	< 0.01	< 0.01 H
o-Cresol	mg/L	0.35	< 0.00763	< 0.01	< 0.01	< 0.01 H
Naphthalene	mg/L	0.14	< 0.000305	< 0.0004	< 0.0004	< 0.0004 H
Phenanthrene	mg/L	-	< 0.000458	< 0.0006	< 0.0006	< 0.0006 H
Pyrene	mg/L	0.21	< 0.000153	< 0.0002	< 0.0002	< 0.0002 H
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-14 Analyte	Unit	Remediation Objective (RO)	Result 2/18/2020	Result 5/12/2020	Result 8/13/2020	Result 11/10/2020	Result 2/23/2021	Result 5/11/2021	Result 8/12/2021	Result 11/9/2021	Result 2/16/2022	Result 5/11/2022	Result 9/7/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000217	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000145	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0108**	**0.00417 C**	**0.0336 C**	**0.00766**	**0.00935**	**0.00934**	**0.0139**	**0.0200 B**	**0.0016 J**	**0.0018 J**	**0.00578 S**
Chrysene	mg/L	0.0015	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00725	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000217	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000145	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00725	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00725	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.00029	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000435	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000145	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.38 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.72 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**2.88**	< 2	**0.38 J**	< 2 B	**1.6 J**	**0.49 J**	< 2	**2.53**	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.36 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.19 J**	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**1.1 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-14 Analyte	Unit	Remediation Objective (RO)	Result 11/29/2022	Result 2/14/2023	Result 5/17/2023	Result 9/13/2023	Result 10/26/2023	Result 2/13/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00304**	< 0.002	**0.00309**	**0.00493**	**0.00216**	**0.00416**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	**0.11 J**	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.62 J**	< 2 B	< 2	< 2	< 2	**0.64 J**
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-15 Analyte	Unit	Remediation Objective (RO)	Result 2/20/2020	Result 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result 2/23/2021	Result 5/13/2021	Result 8/12/2021	Result 11/9/2021	Result 2/17/2022	Result - DUP 2/17/2022	Result 5/11/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	**0.000058 J**	< 0.000074	< 0.0001	**0.000081 J**	< 0.0001	0.000063 J	< 0.0001	< 0.0001	< 0.0001	**0.000074 J**	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000222	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	**0.000061 J**	< 0.000074	< 0.0001	**0.000084 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	**0.000078 J**	< 0.000074	< 0.0001	**0.000069 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	**0.000082 J**	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000075 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.00148 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000222	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000148	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000085 J**	< 0.000074	**0.000074 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000296	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000444	< 0.0006	< 0.0006	< 0.0006 R	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.16 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.43 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**1.7 J**	< 2	< 2	< 2 B	**1.1 J**	< 2	< 2	**1.6 J**	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.13 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.56 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
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C = RL shown is a client requested quantitation limit
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S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-15 Analyte	Unit	Remediation Objective (RO)	Result 9/9/2022	Result 11/29/2022	Result 2/15/2023	Result - DUP 2/15/2023	Result 5/18/2023	Result - DUP 5/18/2023	Result 9/13/2023	Result 10/25/2023	Result 2/15/2024
Acenaphthene	mg/L	0.42	< 0.0001	**0.000094** J	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	**0.000087** J
Acenaphthylene	mg/L	-	**0.000077** J	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H	< 0.0003 H	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 H	< 0.002 H	< 0.002	< 0.002 S	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H	< 0.0003 H	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	**0.000287**	< 0.0002	**0.0001** J	**0.000204** H	< 0.0002 H	< 0.0002	< 0.0002	**0.00019** J
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01	**0.00250**
Naphthalene	mg/L	0.14	**0.00366**	**0.00414**	< 0.0004	< 0.0004	< 0.0004 H	< 0.0004 H	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006 H	< 0.0006 H	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.55** J	< 2 B	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	**0.11** J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-16S Analyte	Unit	Remediation Objective (RO)	Result 2/18/2020	Result 5/11/2020	Result 8/12/2020	Result 11/9/2020	Result 2/22/2021	Result 5/10/2021	Result 8/10/2021	Result 11/8/2021	Result 2/15/2022	Result 5/9/2022	Result 9/6/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000227	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000076 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0327**	**0.00207 C**	**0.00771 C**	**0.00589**	< 0.002	**0.00203**	**0.0068**	**0.0016 J**	**0.0016 J**	**0.0019 J**	**0.0024**
Chrysene	mg/L	0.0015	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000227	< 0.0003	< 0.0003	< 0.0003	< 0.0003	**0.00057**	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000992**	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000303	**0.00164**	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000455	< 0.0006	< 0.0006	< 0.0006	< 0.0006	**0.00255**	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000486**	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.16 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.49 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**1.1 J**	< 2	< 2	< 2 B	**0.43 J**	< 2	< 2	**1.2 J**	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.61 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-16S Analyte	Unit	Remediation Objective (RO)	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023	Result 10/25/2023	Result 2/13/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	**0.0019 J**	< 0.002	**0.0017 J**	**0.00426**	< 0.0002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.52 J**	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-16D Analyte	Unit	Remediation Objective (RO)	Result 2/18/2020	Result 5/11/2020	Result 8/12/2020	Result 11/9/2020	Result 2/22/2021	Result 5/10/2021	Result 8/10/2021	Result 11/8/2021	Result 2/15/2022	Result 5/9/2022	Result 9/6/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000222	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**7.6E-05 J**	< 0.0001	**0.0016 J**	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	**0.012 C**	**0.00595 C**	**0.011 C**	**0.005**	**0.002 J**	**0.00206**	< 0.002	< 0.002	**0.00299**	**0.0017 J**
Chrysene	mg/L	0.0015	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000222	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000148	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000296	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000444	< 0.0006	< 0.0006	**0.00101**	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.15 J**	< 0.5	< 0.5	**0.38 J**	**0.52**
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.16 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.52 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.83 J**	< 2	< 2	< 2 B	**0.34 J**	< 2	< 2	**0.92** J	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.13** J	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.13 J**	< 2	**0.1 J**
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.65 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-16D Analyte	Unit	Remediation Objective (RO)	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023	Result 10/25/2023	Result 2/14/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	**0.0017 J**	**0.00241**	**0.00726**	**0.00770**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	**0.71**	**0.70**	**0.80**	**0.76**	**0.64**	**0.71**
Bromoform	µg/L	1.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.51 J**	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	**0.12 J**	< 2	**0.13 J**	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-17 Analyte	Unit	Remediation Objective (RO)	Result 2/18/2020	Result 5/12/2020	Result 8/12/2020	Result 11/11/2020	Result 2/22/2021	Result 5/10/2021	Result 8/10/2021	Result 11/8/2021	Result 2/15/2022	Result 5/9/2022	Result 9/6/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	**0.000115**	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	**0.000055 J**	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.000074 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00215**	**0.00257 C**	**0.00467 C**	< 0.002 C	**0.0029**	< 0.002	0.00739	< 0.002	< 0.002	< 0.002	**0.00752**
Chrysene	mg/L	0.0015	**0.000047 J**	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.000288**	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000077	**0.000078 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000308	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000462	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.00023**	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.53 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2 B	**0.38 J**	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.65 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds RO for Class I Groundwater Ingestion
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The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-17 Analyte	Unit	Remediation Objective (RO)	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023	Result 10/25/2023	Result 2/14/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	**0.0144**	< 0.002	**0.0019** J	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.49** J	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-18S Analyte	Unit	Remediation Objective (RO)	Result 2/19/2020	Result 5/13/2020	Result 8/14/2020	Result 11/11/2020	Result 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result - DUP 11/10/2021	Result 2/16/2022	Result 5/9/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	**0.000114**	< 0.000234	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003 B	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000071 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0118**	**0.00309**	**0.00244 C**	**0.00299**	**0.00249**	**0.00329**	< 0.002	**0.00305**	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000234	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000078	**0.00007 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000312	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000469	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.00011 J**	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**	**0.13 J**	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.39 J**	**0.45 J**	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.52 J**	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.13 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.39 J**	**0.56 J**	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-18S Analyte	Unit	Remediation Objective (RO)	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00228**	< 0.002	**0.00331**	**0.00295**	< 0.002	< 0.002	**0.00266**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.48 J**	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-18D Analyte	Unit	Remediation Objective (RO)	Result 2/19/2020	Result 5/13/2020	Result 8/14/2020	Result 11/11/2020	Result 2/23/2021	Result (DUP) 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result 2/16/2022	Result 5/9/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000233	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00559**	< 0.00155 C	< 0.002 C	**0.00331**	< 0.002	**0.0019** J	**0.00269**	< 0.002	< 0.002	< 0.002	**0.00295**
Chrysene	mg/L	0.0015	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00775	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000233	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00775	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00775	< 0.01	< 0.0004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.00031	< 0.0004	< 0.01	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000465	< 0.0006	< 0.0006	< 0.0006	**0.00185**	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.13** J	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.41** J	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.45** J	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.13** J	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	**0.21** J	< 2	**0.13** J	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.54** J	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-18D Analyte	Unit	Remediation Objective (RO)	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00284**	< 0.002	< 0.002	**0.0015 J**	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0004
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.01
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.54 J**	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	**0.12 J**	< 2	< 2	**0.19 J**
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-19S Analyte	Unit	Remediation Objective (RO)	Result 2/19/2020	Result 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result 2/16/2022	Result- DUP 2/16/2022	Result 5/9/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000234	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.00156 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000234	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000312	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000469	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.15 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.5 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.39 J**	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.61 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-19S Analyte	Unit	Remediation Objective (RO)	Result 9/7/2022	Result 11/29/2022	Result - DUP 11/29/2022	Result 2/14/2023	Result - DUP 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00238**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.5 J**	**0.46 BJ**	< 2 B	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-19D Analyte	Unit	Remediation Objective (RO)	Result 2/19/2020	Result 5/13/2020	Result - DUP 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result - DUP 11/10/2020	Result 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result 2/16/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000213	< 0.000219	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000142	< 0.000146	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.00142 C	< 0.00146 C	< 0.002 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00709	< 0.0073	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000213	< 0.000219	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000142	< 0.000146	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00709	< 0.0073	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00709	< 0.0073	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000284	< 0.000292	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000426	< 0.000438	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000142	< 0.000146	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.13** J	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.5** J	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	**0.32** J	< 2 B	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12** J	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.62** J	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-19D Analyte	Unit	Remediation Objective (RO)	Result 5/9/2022	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	**0.00016**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	**0.00391**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	**0.00201**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	**0.47 BJ**	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	**0.12 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-20 Analyte	Unit	Remediation Objective (RO)	Result 2/19/2020	Result 5/13/2020	Result 8/14/2020	Result 11/10/2020	Result 2/23/2021	Result 5/11/2021	Result (DUP) 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result 2/16/2022	Result 5/9/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	**0.000106**	**0.00014**	**0.000155**	**0.000075** J	**0.000330**	**0.000509**	**0.000498**	**0.000229**	**0.00062**	**0.00008** J
Anthracene	mg/L	2.1	< 0.0001	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	**0.000129**	**0.0002**	**0.000141**	< 0.000100	**0.000388**	**0.000671**	**0.000565**	**0.000316**	**0.000693**	**0.000088** J
Benzo(a)pyrene	mg/L	0.0002	**0.000107**	**0.000337**	**0.00065**	**0.000505**	**0.000238**	**0.001350**	**0.002230**	**0.00193**	**0.000893**	**0.00224**	**0.000337**
Benzo(b)fluoranthene	mg/L	0.00018	**0.000138**	**0.000283**	**0.00059**	**0.000342**	**0.000174**	**0.001070**	**0.001840**	**0.00173**	**0.000825**	**0.00198**	**0.000258**
Benzo(g,h,i)perylene	mg/L	-	**0.00017** J	**0.000366**	**0.00081**	**0.000547**	**0.000243**	**0.001290**	**0.001970**	**0.00203**	**0.000894**	**0.00219**	**0.000441**
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	**0.000099**	**0.00015**	**0.000085** J	< 0.000100	**0.000302**	**0.000497**	**0.000521**	**0.00017**	**0.000629**	**0.00008** J
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.00154 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	**0.00013**	**0.00025**	**0.000183**	**0.000073** J	**0.000548**	**0.000921**	**0.000754**	**0.000398**	**0.000937**	**0.000151**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000077	**0.00014**	**0.00008** J	< 0.0002	**0.00018** J	**0.000294**	**0.000376**	**0.00012** J	**0.000408**	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000231	< 0.0003	< 0.0003	< 0.0003	**0.000342**	**0.000652**	**0.000616**	**0.000316**	**0.00069**	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000148**	**0.000251**	**0.00054**	**0.000319**	< 0.000200	**0.000892**	**0.001470**	**0.0014**	**0.000611**	**0.00161**	**0.000345**
m,p-Cresol	mg/L	-	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000308	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000462	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	**0.000239**	**0.00025**	**0.000328**	< 0.000200	**0.000845**	**0.001510**	**0.00127**	**0.000613**	**0.00156**	**0.000208** B
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12** J	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.47** J	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.47** J	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-20 Analyte	Unit	Remediation Objective (RO)	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	**0.0007**	**0.000363**	**0.00067**	**0.00018**	**0.000635**	**0.000198**	**0.000172**
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	**0.000921**	**0.00046**	**0.00065**	**0.00016**	**0.00098**	**0.000314**	**0.000177**
Benzo(a)pyrene	mg/L	0.0002	**0.00271**	**0.00167**	**0.00282**	**0.00068**	**0.00315**	**0.00111**	**0.000579**
Benzo(b)fluoranthene	mg/L	0.00018	**0.0024**	**0.00128**	**0.0022**	**0.00043**	**0.00269**	**0.000961**	**0.000563**
Benzo(g,h,i)perylene	mg/L	-	**0.00283**	**0.00159**	**0.00261**	**0.00075**	**0.00324**	**0.00112**	**0.000562**
Benzo(k)fluoranthene	mg/L	0.00017	**0.000695**	**0.000393**	**0.00051**	**0.00016**	**0.00077**	**0.000288**	**0.000153**
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0016 J**	< 0.002	< 0.002	< 0.002	**0.0016 J**	< 0.002	< 0.002
Chrysene	mg/L	0.0015	**0.00118**	**0.000604**	**0.00094**	**0.00022**	**0.00131**	**0.000468**	**0.000236**
Dibenzo(a,h)anthracene	mg/L	0.0003	**0.00049**	**0.00023**	**0.00048**	**0.00012 J**	**0.00068**	**0.00016 J**	< 0.002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.001**	**0.000582**	**0.00058**	< 0.0003	**0.00107**	**0.00033**	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.00202**	**0.00107**	**0.00178**	**0.00044**	**0.00234**	**0.000712**	**0.000374**
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.00197**	**0.00112**	**0.00123**	**0.00036**	**0.00227**	**0.000534**	**0.000294**
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.47 BJ**	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	**0.16 J**	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	**0.48 J**	**0.52 J**	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-21 Analyte	Unit	Remediation Objective (RO)	Result 2/20/2020	Result 5/12/2020	Result 8/14/2020	Result 11/11/2020	Result 2/24/2021	Result 5/12/2021	Result 8/11/2021	Result 11/9/2021	Result 2/16/2022	Result 5/11/2022	Result 9/7/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000214	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000071	**0.000072 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000071	**0.00007 J**	< 0.0001	< 0.0002	< 0.0002	**0.00012 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	**0.000069 J**	< 0.000071	**0.000123**	**0.000074 J**	< 0.000100	< 0.000100	**0.000132**	< 0.0001	**0.000076 J**	< 0.0001	**0.000109**
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000143	**0.0001 J**	**0.000054 J**	< 0.000200	< 0.000200	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000052 J**	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.00143 C	**0.00271 C**	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002 B	**0.00212**	**0.0016 J**	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000071	**0.000071 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000067 J**	< 0.0001	**0.000052 J**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00714	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000214	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000143	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000087 J**	< 0.000071	**0.000126**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00714	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00714	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0004	< 0.0004
Naphthalene	mg/L	0.14	< 0.0002	< 0.000286	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.01	< 0.01
Phenanthrene	mg/L	-	< 0.0004	< 0.000429	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000143	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.00018 J**	< 0.0002 B	< 0.0002 B
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.47 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.1 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	**0.43 J**	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.57 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-21 Analyte	Unit	Remediation Objective (RO)	Result 11/29/2022	Result 2/14/2023	Result 5/17/2023	Result 9/15/2023	Result 10/27/2023	Result 2/15/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000143**	**0.000081 J**
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000056 J**	0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0015 J**	**0.0017 J**	< 0.002	< 0.002	**0.00222**	0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000089 J**	**0.000059 J**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.0004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.01	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2 B	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-22S Analyte	Unit	Remediation Objective (RO)	Result 2/20/2020	Result 5/14/2020	Result - DUP 5/14/2020	Result 8/13/2020	Result 11/9/2020	Result 2/22/2021	Result 5/12/2021	Result 8/11/2021	Result - DUP 8/11/2021	Result 11/9/2021	Result - DUP 11/9/2021	Result 2/16/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000068 J**
Anthracene	mg/L	2.1	**0.000637**	< 0.000231	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	**0.000088 J**	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	**0.000061 J**	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**7.1E-05 J**	**0.00007 J**	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000154	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	**0.00191 C**	< 0.00154 C	**0.00279 C**	**0.00517**	**0.0017** J	**0.00472**	**0.00983**	**0.00753**	< 0.002 B	**0.0016 BJ**	< 0.002
Chrysene	mg/L	0.0015	**0.000084 J**	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00769	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.000524**	< 0.000231	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000154	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000093 J**	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00769	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00769	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000308	< 0.000308	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	**0.000695**	< 0.000462	< 0.000462	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.000449**	< 0.000154	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	**0.14 J**	< 1	< 1	< 1	**0.11 J**	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	**0.2 J**	< 1	< 1	**0.39 J**	**0.47 J**	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	**0.13 J**	< 1	< 1	< 1	**0.11 J**	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	**0.33 J**	< 2	< 2	**0.39 J**	**0.58 J**	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-22S Analyte	Unit	Remediation Objective (RO)	Result 5/10/2022	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/15/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000078 J**
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00347**	< 0.002	< 0.002	< 0.002	< 0.002	**0.0019 J**	**0.0038**	**0.00242**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000065 J**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	**0.00029 J**
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**115**
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.98**
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.75 J**
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	**0.47 BJ**	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**2.51**
Toluene	µg/L	1000	**0.12 J**	< 2	**0.22 J**	**0.25 J**	< 2	< 2	< 2	**1.0 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**3.26**

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-22D Analyte	Unit	Remediation Objective (RO)	Result 2/20/2020	Result 5/11/2020	Result 8/12/2020	Result 11/9/2020	Result 2/23/2021	Result 5/12/2021	Result 8/12/2021	Result 11/9/2021	Result 2/16/2022	Result 5/10/2022	Result 9/6/2022	Result 11/28/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000242	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000161	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.00161 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00806	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000242	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000161	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00806	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00806	< 0.01	< 0.0004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000323	< 0.0004	< 0.01	< 0.0004	< 0.0004	< 0.0004	**0.00096**	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000484	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000161	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	**0.52**	**1.2**	**0.45 J**	**0.21 J**	< 0.5 S	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1 S	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.43 J**	< 1 S	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 B
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**	< 1 S	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 S	< 2	< 2	**0.11 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.54 J**	< 2 S	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-22D Analyte	Unit	Remediation Objective (RO)	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result - DUP 10/26/2023	Result 2/15/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.59 J**	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-25 Analyte	Unit	Remediation Objective (RO)	Result 2/19/2020	Result 5/13/2020	Result 8/14/2020	Result (DUP) 8/14/2020	Result 8/14/2020	Result 11/11/2020	Result 2/23/2021	Result 5/12/2021	Result 8/11/2021	Result 11/8/2021	Result 2/15/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000226	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.00015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.0015 C	< 0.002 C	< 0.002 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00752	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000226	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.00015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	**0.00069 J**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00752	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000301	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000451	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.00015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.48 J**	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.45 J**	< 2	< 2	< 2	< 2	< 2 B	**3.29**	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.1 J**	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.58 J**	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
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The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-25 Analyte	Unit	Remediation Objective (RO)	Result 5/10/2022	Result 9/6/2022	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023	Result 10/26/2023	Result 2/15/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	**0.012 J**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.16 J	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2 B	**0.46 BJ**	< 2 B	< 2	**1.5 J**	**3.77**	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	**0.4 J**	**0.29 J**	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-26 Analyte	Unit	Remediation Objective (RO)	Result 2/19/2020	Result 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result 2/24/2021	Result 5/11/2021	Result 8/12/2021	Result 11/8/2021	Result 2/15/2022	Result 5/10/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000072 J**	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000213	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000081 J**	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000142	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.00142 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00709	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000213	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000142	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000215**	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000071	**0.000082 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00709	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00709	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000284	< 0.0004	< 0.0004	< 0.0004	< 0.0004	**0.00429**	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000426	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000142	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.15 J**	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.52 J**	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2 B	**0.52 J**	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.64 J**	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

GW-26 Analyte	Unit	Remediation Objective (RO)	Result 9/6/2022	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/15/2023	Result 10/26/2023	Result 2/15/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0018** J	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2 B	< 2 B	< 2	**0.69** J	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	**0.21** J	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

G-101S Analyte	Unit	Remediation Objective (RO)	Result 5/13/2020	Result 5/11/2021	Result 5/10/2022	Result 5/16/2023
Acenaphthene	mg/L	0.42	< 0.000078	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.000078	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.000234	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.000078	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.000078	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000078	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.000156	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000078	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00156 C	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.000078	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000078	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.00781	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.000234	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.000156	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000078	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.00781	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.00781	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.000312	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.000469	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.000156	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

G-102S Analyte	Unit	Remediation Objective (RO)	Result 5/13/2020	Result 5/11/2021	Result 5/10/2022	Result 5/16/2023
Acenaphthene	mg/L	0.42	< 0.000071	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.000071	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.000214	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.000071	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.000071	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000071	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.000143	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000071	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00143 C	**0.0019 J**	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.000071	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000071	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.00714	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.000214	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.000143	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000071	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.00714	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.00714	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.000286	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.000429	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.000143	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

G-102D Analyte	Unit	Remediation Objective (RO)	Result 5/13/2020	Result 5/11/2021	Result 5/10/2022	Result - DUP 5/10/2022	Result 5/16/2023
Acenaphthene	mg/L	0.42	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.000221	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.000074	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.000147	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00147 C	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000074	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.00735	< 0.01	**0.00085 J**	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.000221	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.000147	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000074	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.00735	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.00735	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.000294	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.000441	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.000147	< 0.0002	< 0.0002 B	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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The laboratory reporting detection limit is shown.
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

G-103S Analyte	Unit	Remediation Objective (RO)	Result 5/12/2020		Result 5/12/2021		Result 5/11/2022		Result 5/17/2023		
Acenaphthene	mg/L	0.42	< 0.000073		< 0.0001		< 0.0001		< 0.0001	H	
Acenaphthylene	mg/L	-	< 0.000073		< 0.0001		< 0.0001		< 0.0001	H	
Anthracene	mg/L	2.1	< 0.000219		< 0.0003		< 0.0003		< 0.0003	H	
Benzo(a)anthracene	mg/L	0.00013	< 0.000073		< 0.0001		< 0.0001		< 0.0001	H	
Benzo(a)pyrene	mg/L	0.0002	< 0.000073		< 0.0002		< 0.0002		< 0.0002	H	
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000073		< 0.0001		< 0.0001		< 0.0001	H	
Benzo(g,h,i)perylene	mg/L	-	< 0.000146		< 0.0002		< 0.0002		< 0.0002	H	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000073		< 0.0001		< 0.0001		< 0.0001	H	
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00146	C	< 0.002		< 0.002		< 0.002	H	
Chrysene	mg/L	0.0015	< 0.000073		< 0.0001		< 0.0001		< 0.0001	H	
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000073		< 0.0002		< 0.0002		< 0.0002	H	
Di-n-butyl phthalate	mg/L	0.7	< 0.0073		< 0.01		< 0.01		< 0.01	H	
Fluoranthene	mg/L	0.28	< 0.000219		< 0.0003		< 0.0003		< 0.0003	H	
Fluorene	mg/L	0.28	< 0.000146		< 0.0002		< 0.0002		< 0.0002	H	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000073		< 0.0002		< 0.0002		< 0.0002	H	
m,p-Cresol	mg/L	-	< 0.0073		< 0.01		< 0.01		< 0.01	H	
o-Cresol	mg/L	0.35	< 0.0073		< 0.01		< 0.01		< 0.01	H	
Naphthalene	mg/L	0.14	< 0.000292		< 0.0004		< 0.0004		< 0.0004	H	
Phenanthrene	mg/L	-	< 0.000438		< 0.0006		< 0.0006		< 0.0006	H	
Pyrene	mg/L	0.21	< 0.000146		< 0.0002		< 0.0002		< 0.0002	H	
Benzene	µg/L	5.0	< 0.5		< 0.5		< 0.5		< 0.5		
Bromoform	µg/L	1.0	< 2		< 2		< 2		< 0.2		
Ethylbenzene	µg/L	700	< 1		< 1		< 1		< 1		
m,p-Xylenes	µg/L	-	< 1		< 1		< 1		< 1		
Methylene chloride	µg/L	5.0	< 2		< 2		< 2		< 2		
Naphthalene	µg/L	140	< 2		< 2		< 2		< 2		
o-Xylene	µg/L	-	< 1		< 1		< 1		< 1		
Toluene	µg/L	1000	< 2		< 2		< 2		**0.13**	**J**	
trans-1,2-Dichloroethene	µg/L	100	< 2		< 2		< 2		< 2		
Xylenes, Total	µg/L	10000	< 2		< 2		< 2		< 2		

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

G-103D Analyte	Unit	Remediation Objective (RO)	Result 5/12/2020		Result - DUP 5/12/2020		Result 5/12/2021	Result 5/11/2022	Result 5/17/2023	
Acenaphthene	mg/L	0.42	< 0.00008		< 0.000071		< 0.0001	< 0.0001	< 0.0001	H
Acenaphthylene	mg/L	-	< 0.00008		< 0.000071		< 0.0001	< 0.0001	< 0.0001	H
Anthracene	mg/L	2.1	< 0.00024		< 0.000214		< 0.0003	< 0.0003	< 0.0003	H
Benzo(a)anthracene	mg/L	0.00013	< 0.00008		< 0.000071		< 0.0001	< 0.0001	< 0.0001	H
Benzo(a)pyrene	mg/L	0.0002	< 0.00008		< 0.000071		< 0.0002	< 0.0002	< 0.0002	H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.00008		< 0.000071		< 0.0001	< 0.0001	< 0.0001	H
Benzo(g,h,i)perylene	mg/L	-	< 0.00016		< 0.000143		< 0.0002	< 0.0002	< 0.0002	H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.00008		< 0.000071		< 0.0001	< 0.0001	< 0.0001	H
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.0016	C	< 0.00143	C	< 0.002	< 0.002	**0.0015**	**JH**
Chrysene	mg/L	0.0015	< 0.00008		< 0.000071		< 0.0001	< 0.0001	< 0.0001	H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.00008		< 0.000071		< 0.0002	< 0.0002	< 0.0002	H
Di-n-butyl phthalate	mg/L	0.7	< 0.008		< 0.00714		< 0.01	< 0.01	< 0.01	H
Fluoranthene	mg/L	0.28	< 0.00024		< 0.000214		< 0.0003	< 0.0003	< 0.0003	H
Fluorene	mg/L	0.28	< 0.00016		< 0.000143		< 0.0002	< 0.0002	< 0.0002	H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.00008		< 0.000071		< 0.0002	< 0.0002	< 0.0002	H
m,p-Cresol	mg/L	-	< 0.008		< 0.00714		< 0.01	< 0.01	< 0.01	H
o-Cresol	mg/L	0.35	< 0.008		< 0.00714		< 0.01	< 0.01	< 0.01	H
Naphthalene	mg/L	0.14	< 0.00032		< 0.000286		< 0.0004	< 0.0004	< 0.0004	H
Phenanthrene	mg/L	-	< 0.00048		< 0.000429		< 0.0006	< 0.0006	< 0.0006	H
Pyrene	mg/L	0.21	< 0.00016		< 0.000143		< 0.0002	< 0.0002	< 0.0002	H
Benzene	µg/L	5.0	< 0.5		< 0.5		< 0.5	< 0.5	< 0.5	
Bromoform	µg/L	1.0	< 2		< 2		< 2	< 2	< 0.2	
Ethylbenzene	µg/L	700	< 1		< 1		< 1	< 1	< 1	
m,p-Xylenes	µg/L	-	< 1		< 1		< 1	< 1	< 1	
Methylene chloride	µg/L	5.0	< 2		< 2		< 2	< 2	< 2	
Naphthalene	µg/L	140	< 2		< 2		< 2	< 2	< 2	
o-Xylene	µg/L	-	< 1		< 1		< 1	< 1	< 1	
Toluene	µg/L	1000	< 2		< 2		< 2	< 2	< 2	
trans-1,2-Dichloroethene	µg/L	100	< 2		< 2		< 2	< 2	< 2	
Xylenes, Total	µg/L	10000	< 2		< 2		< 2	< 2	< 2	

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

QC Samples Analyte	Unit	Remediation Objective (RO)	Field Blank 1 Result 5/13/2020	Field Blank 1 Result 8/12/2020	Field Blank 2 Result 8/14/2020	Field Blank 1 Result 11/9/2020	Field Blank 1 Result 2/24/2021	Trip Blank 1 Result 8/12/2021	Trip Blank 2 Result 8/12/2021	Trip Blank 1 Result 11/10/2021	Trip Blank 2 Result 11/10/2021	Field Blank 1 Result 11/9/2021	Trip Blank 1 Result 2/17/2022
Acenaphthene	mg/L	0.42	**0.000193**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA	NA	NA	NA	< 0.0001	NA
Acenaphthylene	mg/L	-	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA	NA	NA	NA	< 0.0001	NA
Anthracene	mg/L	2.1	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	NA	NA	NA	NA	< 0.0003	NA
Benzo(a)anthracene	mg/L	0.00013	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA	NA	NA	NA	< 0.0001	NA
Benzo(a)pyrene	mg/L	0.0002	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0002	NA	NA	NA	NA	< 0.0002	NA
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA	NA	NA	NA	< 0.0001	NA
Benzo(g,h,i)perylene	mg/L	-	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	NA	NA	NA	NA	< 0.0002	NA
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA	NA	NA	NA	< 0.0001	NA
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00154 C	< 0.002 C	< 0.002 C	< 0.002 C	< 0.002	NA	NA	NA	NA	**0.002 BJ**	NA
Chrysene	mg/L	0.0015	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA	NA	NA	NA	< 0.0001	NA
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0002	NA	NA	NA	NA	< 0.0002	NA
Di-n-butyl phthalate	mg/L	0.7	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	NA	NA	NA	NA	< 0.01	NA
Fluoranthene	mg/L	0.28	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	NA	NA	NA	NA	< 0.0003	NA
Fluorene	mg/L	0.28	**0.000311**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	NA	NA	NA	NA	< 0.0002	NA
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000077	< 0.0001	**7.8E-05 J**	< 0.0001	< 0.0002	NA	NA	NA	NA	< 0.0002	NA
m,p-Cresol	mg/L	-	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	NA	NA	NA	NA	< 0.01	NA
o-Cresol	mg/L	0.35	< 0.00769	< 0.01	< 0.01	< 0.0004	< 0.0004	NA	NA	NA	NA	< 0.0004	NA
Naphthalene	mg/L	0.14	< 0.000308	< 0.0004	< 0.0004	< 0.01	< 0.01	NA	NA	NA	NA	< 0.01	NA
Phenanthrene	mg/L	-	< 0.000462	< 0.0006	< 0.0006	< 0.0006	< 0.0006	NA	NA	NA	NA	< 0.0006	NA
Pyrene	mg/L	0.21	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	NA	NA	NA	NA	< 0.0002	NA
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.21 J**	**0.2 J**	**0.12 J**	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	0.29 J	< 1	< 1	**0.21 J**	**0.85 J**	**0.93 J**	**0.37 J**	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	**0.67 J**	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.16 J**	**0.19 J**	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.11 J**	**0.11 J**	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	0.29 J	< 2	< 2	< 2	**1 J**	**1.1 J**	**0.37 J**	< 2

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All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

QC Samples Analyte	Unit	Remediation Objective (RO)	Trip Blank 2 Result 2/17/2022	Trip Blank 1 Result 5/12/2022	Trip Blank 2 Result 5/12/2022	Field Blank 1 Result 9/8/2022	Trip Blank 1 Result 9/8/2022	Field Blank 1 Result 11/30/2022	Trip Blank 1 Result 11/30/2022	Trip Blank 2 Result 11/30/2022	Field Blank 1 Result 2/14/2023	Trip Blank 1 Result 2/15/2023	Trip Blank 2 Result 2/15/2023
Acenaphthene	mg/L	0.42	NA	NA	NA	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001	NA	NA
Acenaphthylene	mg/L	-	NA	NA	NA	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001	NA	NA
Anthracene	mg/L	2.1	NA	NA	NA	< 0.0003	NA	< 0.0003	NA	NA	< 0.0003	NA	NA
Benzo(a)anthracene	mg/L	0.00013	NA	NA	NA	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001	NA	NA
Benzo(a)pyrene	mg/L	0.0002	NA	NA	NA	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA
Benzo(b)fluoranthene	mg/L	0.00018	NA	NA	NA	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001	NA	NA
Benzo(g,h,i)perylene	mg/L	-	NA	NA	NA	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA
Benzo(k)fluoranthene	mg/L	0.00017	NA	NA	NA	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001	NA	NA
Bis(2-ethylhexyl)phthalate	mg/L	0.006	NA	NA	NA	< 0.002	NA	< 0.002	NA	NA	< 0.002	NA	NA
Chrysene	mg/L	0.0015	NA	NA	NA	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001	NA	NA
Dibenzo(a,h)anthracene	mg/L	0.0003	NA	NA	NA	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA
Di-n-butyl phthalate	mg/L	0.7	NA	NA	NA	< 0.01	NA	< 0.01	NA	NA	< 0.01	NA	NA
Fluoranthene	mg/L	0.28	NA	NA	NA	< 0.0003	NA	< 0.0003	NA	NA	< 0.0003	NA	NA
Fluorene	mg/L	0.28	NA	NA	NA	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	NA	NA	NA	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA
m,p-Cresol	mg/L	-	NA	NA	NA	< 0.01	NA	< 0.01	NA	NA	< 0.01	NA	NA
o-Cresol	mg/L	0.35	NA	NA	NA	< 0.0004	NA	< 0.0004	NA	NA	< 0.01	NA	NA
Naphthalene	mg/L	0.14	NA	NA	NA	< 0.01	NA	< 0.01	NA	NA	< 0.0004	NA	NA
Phenanthrene	mg/L	-	NA	NA	NA	< 0.0006	NA	< 0.0006	NA	NA	< 0.0006	NA	NA
Pyrene	mg/L	0.21	NA	NA	NA	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	**0.46 BJ**	**0.46 BJ**	**0.78 J**	< 2 B	< 2 B	< 2 B
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	**1.1 J**	< 2	< 2	1.2 J	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
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All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment C
Summary of Analytical Results
2020 - February 2024
Ameren Taylorville, IL MGP Site

QC Samples Analyte	Unit	Remediation Objective (RO)	Trip Blank 1 Result 5/15/2023	Trip Blank 2 Result 5/15/2023	Trip Blank 1 Result 9/15/2023	Trip Blank 1 Result 10/25/2023	Field Blank 1 Result 10/26/2023	Field Blank 2 Result 10/27/2023	Trip Blank 1 Result 2/13/2024	Field Blank 1 Result 2/13/2024
Acenaphthene	mg/L	0.42	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001
Acenaphthylene	mg/L	-	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001
Anthracene	mg/L	2.1	NA	NA	NA	NA	< 0.0003	< 0.0003	NA	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	NA	NA	NA	NA	< 0.002	< 0.002	NA	< 0.002
Chrysene	mg/L	0.0015	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	NA	NA	NA	NA	< 0.01	< 0.01	NA	< 0.01
Fluoranthene	mg/L	0.28	NA	NA	NA	NA	< 0.0003	< 0.0003	NA	< 0.0003
Fluorene	mg/L	0.28	NA	NA	NA	NA	< 0.0002 B	< 0.0002 B	NA	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002
m,p-Cresol	mg/L	-	NA	NA	NA	NA	< 0.01	< 0.01	NA	< 0.01
o-Cresol	mg/L	0.35	NA	NA	NA	NA	< 0.0004	< 0.0004	NA	< 0.0004
Naphthalene	mg/L	0.14	NA	NA	NA	NA	< 0.01	< 0.01	NA	< 0.01
Phenanthrene	mg/L	-	NA	NA	NA	NA	< 0.0006	< 0.0006	NA	< 0.0006
Pyrene	mg/L	0.21	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	**0.16 J**	**0.1 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
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mg/L = milligrams per liter
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ATTACHMENT D DATA VALIDATION SUMMARY

1050 SW 6th Avenue
Suite 1650
Portland, OR 97204

T +1 503 488 5282

erm.com

MEMO

TO	Michael Abegg
FROM	Rachel James
DATE	2024-03-21
REFERENCE	0721631
SUBJECT	Data Review of Ameren Taylorville 1Q24 Groundwater Monitoring Samples Collected 2/13/2024 - 2/15/2024: Teklab, Inc. Data Package 24021240.

The data quality was assessed and any necessary qualifiers were applied following the USEPA Contract Laboratory Program (CLP) NFGs for Organic Superfund Methods Data Review, document number EPA 540-R-20-005, November 2020, USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, January 2009, the protocols and quality control (QC) requirements of the analytical methods, and the reviewer's professional judgement.

A Stage 3 data validation was performed on 20% of the laboratory data.

The following items were reviewed as part of the data validation:

- **Chain of Custody:** The chains of custody were reviewed for proper completion and that the laboratory performed the requested methods and reported the requested target analytes for each sample.
- **Dilutions and Reanalysis:** Dilutions, calibration ranges, and reanalyses were reviewed as applicable. The best result was chosen when more than one result was reported as final.
- **Sample Preservation:** The appropriate temperature and chemical preservation requirements were reviewed. Headspace for volatile sample analysis was reviewed.
- **Holding Times:** The period of time between collection of the sample and preparation/analysis of the sample was evaluated.
- **Instrument Tuning:** Instrument tuning and performance check frequency and results were reviewed.

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- **Calibration:** The initial calibration type, fit, number of standards, and minimum response factors were evaluated. Additionally, the frequency and percent recoveries for initial and continuing calibration verification standards and blanks were evaluated.
- **Laboratory Blank Samples:** The preparation and analysis of reagent (contaminant-free) water was evaluated, along with the required frequency.
- **Field Blank Samples:** The collection and analysis of field blanks was evaluated. The reviewed data package(s) included the following associated field blanks: trip and equipment blanks.
- **Spike Samples:** Laboratory control, matrix spike, and post digestion spike sample preparation frequency and recoveries were reviewed as applicable.
- **Serial Dilutions:** Serial dilution sample preparation frequency and recoveries were reviewed as applicable.
- **Surrogate Spikes:** The addition of appropriate surrogates and their recoveries were evaluated.
- **Internal standards:** The presence and recoveries of internal standards and their appropriate association to target analytes were reviewed.
- **Laboratory Duplicate Samples:** Laboratory duplicate frequencies and recoveries were reviewed as applicable.
- **Field Duplicate Samples:** Field duplicate recoveries and absolute differences were reviewed as applicable.
- **Recalculation:** Selected target analyte results in project samples were recalculated. Additionally, selected spike sample results (laboratory control, matrix spike, and surrogate samples), duplicate sample results, continuing calibration results, tune percent rations, instrument performance check responses, and retention time windows were recalculated.

Findings of the data validation are summarized in the sections below. As necessary, the following data quality flags were applied during validation.

J = estimated concentration

J+ = the result is an estimated concentration, but may be biased high

J- = the result is an estimated concentration, but may be biased low

UJ = estimated reporting limit

U = evaluated to be non-detected at the reporting limit

R = rejected, data not usable

NJ = tentative identification and estimated concentration

Validation outliers and any necessary data qualifications are summarized in outlier tables at the end of this memo. The table below indicates the included validation tables with findings. Tables without findings have been omitted.

Table Number	Table Name	Included
Table 1	Samples with Non-Preferred Results	No
Table 2	**Samples with Exceeded Preservation Requirements**	**Yes**
Table 3	Samples with Exceeded Holding Times	No
Table 4	Instrument Tuning Outside of Acceptable Limits	No
Table 5	Initial Calibration Outside of Acceptable Limits	No
Table 6	Calibration Verification Outside of Acceptable Limits	No
Table 7	Laboratory Blank and Associated Suspect Sample Detections	No
Table 8	**Field Blank and Associated Suspect Sample Detections**	**Yes**
Table 9	**Spike Recoveries Outside of Acceptable Limits**	**Yes**
Table 10	Serial Dilution Recoveries Outside of Acceptable Limits	No
Table 11	Surrogate Recovery Results out of Acceptable Limits	No
Table 12	**Internal Standard Recovery Results out of Acceptable Limits**	**Yes**
Table 13	Laboratory Duplicate Result Outliers	No
Table 14	**Field Duplicate Result Outliers**	**Yes**
Table 15	Column Agreement Outliers	No
Table 16	Calibration Range Exceedances	No
Table 17	Professional Judgement Qualifiers	No

Findings of the data validation are summarized in the sections below.

CASE NARRATIVE NOTES AND CHAIN OF CUSTODY DISCREPANCIES

No discrepancies between the chains of custody and the sample containers received were noted by the laboratory, with the following exceptions:

- Data Package 24021240: Although a collection date and time was listed on the chain-of-custody for the trip blank sample, Teklab's policy is to log the trip blank in with the date and time of sample receipt. The analysis of the trip blank sample still would be in hold if the time listed on the chain-of-custody had been used and qualifications were not necessary.

PRESERVATION AND HOLDING TIME EVALUATION

The sample shipments were received at the laboratory within the method-prescribed temperature preservation requirements of less than 6 °C, with acceptable pH values, and all vials for volatile analysis were received in good condition with headspace of less than 6 mm, with the exceptions and any necessary qualifications noted in Table 2.

Sample preservation situations requiring additional professional judgment are detailed below.

- The non-detect hexavalent volatile organic compound results for samples GW-07-WG-20240213 and the associated field duplicate DUP-001_WG_20240213 agree with historical data; therefore, they are considered useable and were not rejected. The reported non-detect results are estimated non-detects.

The samples were prepared and analyzed within the method-prescribed time period from the date of collection, with appropriate considerations for sample preservation requirements.

INSTRUMENT TUNING EVALUATION

All tuning criteria met method acceptance criteria.

INITIAL CALIBRATION

The initial calibrations met the minimum number of calibration standards, project required percent standard deviation (%RSD), relative correlation coefficient, and/or minimum relative response factor (RRF) limits (as applicable to the methods) for target analytes.

INITIAL CALIBRATION VERIFICATION (ICV) AND CONTINUING CALIBRATION VERIFICATION (CCV) EVALUATION

The initial and continuing calibration verifications were within project-specified percent difference (%D) or percent recoveries (%R) and RRF limits (as applicable to the methods) for target analytes.

LABORATORY BLANK EVALUATION

The laboratory blank sample results were non-detected for each of the target analytes. The blank results indicate that contaminants were not introduced to the samples during processing or analysis in the laboratory.

FIELD BLANK EVALUATION

The trip and equipment blank sample results were non-detected for each of the target analytes, with the exceptions and any necessary qualifications noted in Table 8. Any field blank detections associated with laboratory blank contamination and qualified as non-detected (U) are not included in Table 8. The blank results indicate that contaminants may have been introduced to the samples during collection, shipment, handling, and storage.

BLANK AND MATRIX SPIKE EVALUATION

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

The matrix spike (MS), matrix spike duplicate (MSD) recoveries, and RPDs were within the laboratory's limits of acceptance for target analytes for spiked project samples, with the exceptions and any necessary qualifications noted in Table 9. MS/MSDs performed on non-project samples were not reviewed. Data were not qualified if the analyte concentration in the parent sample was greater than four times the spike amount, if the spike amount was diluted out prior to analysis, or if a high recovery was associated with a non-detected result.

SURROGATE SPIKE EVALUATION

The surrogate recoveries were within the laboratory limits of acceptance. The acceptable surrogate recoveries indicate minimal matrix interference in the samples.

INTERNAL STANDARD EVALUATION

The internal standard responses for reported results were within acceptable limits, with the exceptions and any necessary qualifications noted in Table 12.

LABORATORY DUPLICATE EVALUATION

The laboratory did not prepare a project sample as a laboratory duplicate. Laboratory duplicates performed on non-project samples were not reviewed.

FIELD DUPLICATE EVALUATION

Two field samples were submitted to the laboratory as blind duplicates. RPDs and absolute differences were calculated as appropriate. An RPD control limit of less than or equal to 30 percent was used when analytes are detected in both samples and these results are greater than or equal to five times the reporting limit.

If one or both results are less than five times the reporting limit, or one result is detected and one is non-detected, the absolute difference between the results must be less than two times the reporting limit (if the reporting limits are not the same between the parent and field duplicate samples, the lower of the two was used for the control limit determination).The reporting limit was used for non-detected analytes when calculating absolute difference.

The RPDs and/or absolute differences were within this established criteria, with the exceptions and any necessary qualifications noted in Table 14.

CALIBRATION RANGE EVALUATION

All results were reported within each instrument's calibration range.

RECALCULATION

All result recalculations agreed with reported results.

SENSITIVITY

The samples were reported to the method detection limit. Results between the method detection limit and the reporting limit were flagged as estimated (J) by the laboratory. A number of sample analyses were performed at a dilution factor; therefore, non-detected results were reported at elevated limits in these samples.

COMPLETENESS

The complete data package consisted of 600 data points excluding field blank samples. 0 data points were rejected. The data completeness measure for this data package is calculated to be 100.0%.

OVERALL ASSESSMENT

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

Table 2
Samples with Exceeded Preservation Requirements
First Quarter 2024 Groundwater Monitoring
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Sample Condition	Preservation Requirement	Analyte	ERM Qualifier
24021240	GW-07-WG-20240213	8260B	Headspace present	No headspace	Detects	J-
					Non-detects	UJ
	DUP-001_WG_20240213				All	UJ

Notes:
J- = detected results are estimated with a low bias
UJ = non-detected, estimated report limit

Table 8
Field Blank and Associated Suspect Sample Detections
First Quarter 2024 Groundwater Monitoring
Ameren Taylorville
Taylorville, Illinois

Lab Package	Blank ID	Analyte	Reported Blank Conc.	Blank RL	Associated Sample	Assoc. Sample Result	Assoc. Sample RL	Units	ERM Qualifier
24021240	TB-001-WQ-20240215	Toluene	0.16	2.0	GW-22S-WG-20240215	1.0	2.0	µg/L	2.0 U
					EQB-001-WQ-20240213	0.10	2.0	µg/L	2.0 U
	EQB-001-WQ-20240213	Benzene	1.56	0.50	GW-07-WG-20240213	0.15	0.50	µg/L	0.50 U
					GW-16D-WG-20240214	0.71	0.50	µg/L	0.71 U

Notes:
Conc. = concentration
EQB = equipment blank
µg/L = micrograms per liter
RL = reporting limit
TB = trip blank
U = non-detected

Table 9
Spike Recoveries Outside of Acceptable Limits
First Quarter 2024 Groundwater Monitoring
Ameren Taylorville
Taylorville, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
24021240	GW-14-WG-20240213 MS/MSD	GW-14-WG-20240213	Bis(2-ethylhexyl)phthalate	18.0/10.2	80.2-167	0.00	18.6	0.00416	mg/L	J-

Notes:
J- = detected results are estimated with a low bias
MS = matrix spike
MSD = matrix spike duplicate
mg/L = milligrams per liter
RPD = relative percent difference

Table 12
Internal Standard Recovery Results Outside of Acceptable Limits
First Quarter 2024 Groundwater Monitoring
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Internal Standard	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
24021240	GW-04R-WG-20240215	8270C	Naphthalene-d8	40	50-200	None for qualification, associated analyte reported from run with passing recovery	1	--

Notes:
-- = not applicable; associated data not affected

Table 14
Field Duplicate Result Outliers
First Quarter 2024 Groundwater Monitoring
Ameren Taylorville
Taylorville, Illinois

Lab Package	Primary/Duplicate Sample ID	Analyte	Concentration		Report Limit		Units	AbD	RPD	Limit	ERM Qualifier
			Sample	Duplicate	Sample	Duplicate					
24021240	GW-04R-WG-20240215/ DUP-002-WG-20240215	Pyrene	0.00225	0.00159	0.000200	0.000200	mg/L	--	34	30	J
		m,p-Xylenes	124	145	25.0	10.0	µg/L	21	--	20.0	J

Notes:
-- = not applicable; associated data not affected
AbD = absolute difference
J = estimated detected result
µg/L = micrograms per liter
mg/L = milligrams per liter
RPD = relative percent difference