



April 16, 2025

Mr. Gregory Miller
Illinois Environmental Protection Agency
2520 West Iles Avenue
Springfield, IL 62704

Dear Mr. Miller:

As required by Article IX (A) of the Consent Order (Case #93-3332), this is the First Quarter, 2025 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 2025 – Events

- First quarter 2025 groundwater samples collected in February and March 2025 (results attached).
- First quarter 2025 pump and treat system samples (results attached).
- Regrading of the rip rap on the southern edge of the site was performed in February 2025.

Second Quarter 2025 – Plans

- Collect second quarter groundwater samples in May.
- Conduct a carbon changeout in April.

Problems Encountered or Anticipated Problems

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

We have treated 1,401,471,660 gallons of groundwater through the system since startup until the end of March 2025. 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,

A handwritten signature in dark ink that reads "Brian H. Martin". The signature is written in a cursive, flowing style.

Brian H. Martin, CHMM, PMP
Senior Manager, Environmental and ESG Services
Environmental Strategy & Analysis
Ameren Services

Attachments

Attachments

Pumping Summary and Treatment Plant Results (January - March)

Monitoring Well Location Map

Year 2025 Quarter 1 Groundwater Sampling Results

MGP Pump & Treat System Summary
Taylorville, Illinois
January 2025

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level	
				East	West
Jan-25					
1	47,202	57,575	West	NM ⁽¹⁾	42
2	104,777	67,025	West	NM ⁽¹⁾	42
3	171,802	68,207	West	NM ⁽¹⁾	40
4	240,009	61,452	West	NM ⁽¹⁾	40
5	301,461	-	West	NM ⁽¹⁾	42
6	NM ⁽²⁾	-	West	NM ⁽¹⁾	NM ⁽²⁾
7	432,817	51,055	West	NM ⁽¹⁾	42
8	483,872	29,187	West	NM ⁽¹⁾	42
9	513,059	70,311	West	NM ⁽¹⁾	42
10	583,370	56,226	West	NM ⁽¹⁾	45
11	639,596	65,328	West	NM ⁽¹⁾	45
12	704,924	75,714	West	NM ⁽¹⁾	44
13	780,638	60,519	West	NM ⁽¹⁾	44
14	841,157	61,093	West	NM ⁽¹⁾	44
15	902,250	70,768	West	NM ⁽¹⁾	44
16	973,018	30,440	West	NM ⁽¹⁾	44
17	1,003,458	53,695	West	NM ⁽¹⁾	42
18	1,057,153	52,799	West	NM ⁽¹⁾	44
19	1,109,952	62,536	West	NM ⁽¹⁾	44
20	1,172,488	66,808	West	NM ⁽¹⁾	46
21	1,239,296	53,801	West	NM ⁽¹⁾	46
22	1,293,097	29,235	West	NM ⁽¹⁾	46
23	1,322,332	44,666	West	NM ⁽¹⁾	46
24	1,366,998	72,335	West	NM ⁽¹⁾	44
25	1,439,333	45,264	West	NM ⁽¹⁾	46
26	1,484,597	68,063	West	NM ⁽¹⁾	46
27	1,552,660	50,877	West	NM ⁽¹⁾	48
28	1,603,537	48,928	West	NM ⁽¹⁾	48
29	1,652,465	27,330	West	NM ⁽¹⁾	48
30	1,679,795	49,121	West	NM ⁽¹⁾	50
31	1,728,916	56,412	West	NM ⁽¹⁾	48
Feb-25	1,785,328		West	NM ⁽¹⁾	48

NM = Not measured

(1) Not measured - RW abandoned

(2) Not measured - Unable to access Site due to winter weather, no rounds

<u>Flow Data</u>		<u>Gallons</u>
For Month		1,681,714
To Pond		1,681,714
Below Pond		0
Average		56,395
Maximum		75,714
Minimum		27,330
Total Through Dec		1,396,730,959
Total Through Jan		1,398,412,673

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
	1/2/2025	1/2/2025	1/2/2025
	1/9/2025	1/9/2025	1/9/2025
	1/16/2025	1/16/2025	1/16/2025
	1/23/2025	1/23/2025	1/23/2025
	1/30/2025	1/30/2025	1/30/2025

Drum Disposal None

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
January 2025

<u>Parameter</u>	<u>Units</u>	<u>30 Day Avg Limit</u>	<u>Daily Max</u>	<u>GW Cleanup Goals</u>	<u>1/8/2025</u>		<u>1/15/2025</u>		<u>1/22/2025</u>		<u>1/29/2025</u>		<u>Average</u>	<u>Maximum</u>	
Lab pH		-	-	-	7.13	H	7.06	H	7.24	H	7.06	H	7.12	7.24	H
Iron, Dissolved	mg/L	-	-	-	0.0974		0.243		0.292		0.031	J	0.166	0.292	
Iron, Total	mg/L	-	-	-	1.03		1.03		1.03		1.75		1.210	1.75	
Acenaphthene	mg/L	-	-	0.42	0.00581		0.0061		0.00463	H	0.00962		0.007	0.00962	
Acenaphthylene	mg/L	-	-	-	0.000876		0.00101		0.00037	H	0.00262		0.001	0.00262	
Anthracene	mg/L	-	-	2.1	0.00200		0.00153		0.000953	H	0.00233		0.002	0.00233	
Benzo(a)anthracene	mg/L	-	-	0.00013	0.000176		0.000152		0.000181	H	0.000191		0.000	0.000191	
Benzo(a)pyrene	mg/L	-	-	0.00023	ND		ND		ND	H	ND		ND	ND	H
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		0.00014	JH	ND		0.00014	0.00014	JH
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Chrysene	mg/L	-	-	-	0.00015	J	0.00014	J	0.00017	JH	0.00014	J	0.00015	0.00017	JH
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		0.00013	JH	ND		0.00013	0.00013	JH
Fluoranthene	mg/L	-	-	0.28	0.00241		0.00153		0.00219	H	0.00237		0.00213	0.00241	
Fluorene	mg/L	-	-	-	0.00417		0.00360		0.00164	H	0.00461		0.00351	0.00461	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	ND		ND		ND	H	0.00070	J	0.00070	0.00070	J
o-Cresol	mg/L	-	-	0.35	ND		0.00069	J	0.00110	JH	0.00110	J	0.000963	0.00110	JH
Phenanthrene	mg/L	-	-	-	0.000618		0.005510		ND	H	0.008300		0.004809	0.008300	
Pyrene	mg/L	-	-	-	0.00276		0.00180		0.00260	H	0.00299		0.00254	0.00299	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0190		0.02130		0.0130	H	0.03320		0.02163	0.03320	
Benzene	µg/L	-	-	5	74.7		76.8		79.7		72.0		75.8	79.7	
Ethylbenzene	µg/L	-	-	700	26.3		30.1		26.0		24.4		26.7	30.1	
m,p-Xylenes	µg/L	-	-	-	22		25.5		22.2		22.3		23.0	25.5	
Naphthalene	µg/L	-	-	25	186		195		165		166		178	195	
o-Xylene	µg/L	-	-	-	12.6		14.5		12.8		13.0		13.2	14.5	
Toluene	µg/L	-	-	1000	46.7		55.9		47.1		45.5		48.8	55.9	
Xylenes, Total	µg/L	-	-	10000	34.6		40.0		35.0		35.2		36.2	40.0	

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 2025

<u>Parameter</u>	<u>Units</u>	<u>30 Day Avg Limit</u>	<u>Daily Max</u>	<u>GW Cleanup Goals</u>	<u>1/8/2025</u>		<u>1/15/2025</u>		<u>1/22/2025</u>		<u>1/29/2025</u>		<u>Average</u>	<u>Maximum</u>	
Lab pH		-	-	-	7.15	H	7.07	H	7.19	H	7.15	H	7.14	7.19	H
Iron, Dissolved	mg/L	-	-	-	0.0210	J	0.0408		ND		0.0380	J	0.0333	0.0408	
Iron, Total	mg/L	-	-	-	0.0757		0.0557		ND		0.0628		0.0647	0.0757	
Acenaphthene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Acenaphthylene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Anthracene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Benzo(a)anthracene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Benzo(a)pyrene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Chrysene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Fluoranthene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Fluorene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
m,p-Cresol	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
o-Cresol	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Phenanthrene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Pyrene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
Benzene	µg/L	-	-	-	ND		0.6		0.6		0.6		0.6	0.6	
Ethylbenzene	µg/L	-	-	-	ND		ND		0.1	J	ND		0.1	0.1	J
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	-	-	1.5		ND		ND		ND		1.5	1.5	
o-Xylene	µg/L	-	-	-	ND		ND		0.2	J	ND		0.2	0.2	J
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 quantitation limits

H = Holding times exceeded

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
January 2025

<u>Parameter</u>	<u>Units</u>	<u>30 Day Avg Limit</u>	<u>Daily Max</u>	<u>GW Cleanup Goals</u>	<u>1/8/2025</u>		<u>1/15/2025</u>		<u>1/22/2025</u>		<u>1/29/2025</u>		<u>Average</u>	<u>Maximum</u>	
Lab pH		-	-	-	6.99	H	7.14	H	7.16	H	7.00	H	7.07	7.16	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	S	ND	H	ND		ND	ND	SH
Acenaphthylene	mg/L	-	-	-	ND		ND	S	ND	H	ND		ND	ND	SH
Anthracene	mg/L	-	0.0023	-	ND		ND	S	ND	H	ND		ND	ND	SH
Benzo(a)anthracene	mg/L	-	0.001	-	ND		ND	S	ND	H	ND		ND	ND	SH
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND	S	ND	H	ND		ND	ND	SH
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND	S	ND	H	ND		ND	ND	SH
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND	S	ND	H	ND		ND	ND	SH
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND	S	ND	H	ND		ND	ND	SH
Chrysene	mg/L	-	-	-	ND		ND	S	ND	H	ND		ND	ND	SH
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND	S	ND	H	ND		ND	ND	SH
Fluoranthene	mg/L	0.053	0.398	-	ND		ND	S	ND	H	ND		ND	ND	SH
Fluorene	mg/L	-	-	-	ND		ND	S	ND	H	ND		ND	ND	SH
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND	S	ND	H	ND		ND	ND	SH
m,p-Cresol	mg/L	-	1.9	-	ND		ND	S	ND	H	ND		ND	ND	SH
o-Cresol	mg/L	-	1.9	-	ND		ND	S	ND	H	ND		ND	ND	SH
Phenanthrene	mg/L	-	0.01	-	ND		ND	S	ND	H	ND		ND	ND	SH
Pyrene	mg/L	-	-	-	ND		ND	S	ND	H	ND		ND	ND	SH
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND	H	ND		ND	ND	H
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

S = Associated MS/MSD outside recovery control limits

Trip Blank
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
January 2025

<u>Parameter</u>	<u>Units</u>	<u>30 Day Avg Limit</u>	<u>Daily Max</u>	<u>GW Cleanup Goals</u>	<u>1/8/2025</u>	<u>1/15/2025</u>	<u>1/22/2025</u>	<u>1/29/2025</u>	<u>Average</u>	<u>Maximum</u>
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
February 2025

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level	
				East	West
Feb-25					
1	1,785,328	56,225	West	NM ⁽¹⁾	48
2	1,841,553	67,291	West	NM ⁽¹⁾	50
3	1,908,844	49,022	West	NM ⁽¹⁾	50
4	1,957,866	47,795	West	NM ⁽¹⁾	48
5	2,005,661	26,515	West	NM ⁽¹⁾	48
6	2,032,176	48,513	West	NM ⁽¹⁾	48
7	2,080,689	54,975	West	NM ⁽¹⁾	42
8	2,135,664	54,517	West	NM ⁽¹⁾	45
9	2,190,181	66,216	West	NM ⁽¹⁾	46
10	2,256,397	49,052	West	NM ⁽¹⁾	48
11	2,305,449	53,763	West	NM ⁽¹⁾	48
12	2,359,212	24,189	West	NM ⁽¹⁾	47
13	2,383,401	56,352	West	NM ⁽¹⁾	47
14	2,439,753	45,243	West	NM ⁽¹⁾	42
15	2,484,996	51,024	West	NM ⁽¹⁾	42
16	2,536,020	55,085	West	NM ⁽¹⁾	44
17	2,591,105	45,518	West	NM ⁽¹⁾	44
18	2,636,623	42,844	West	NM ⁽¹⁾	44
19	2,679,467	25,189	West	NM ⁽¹⁾	46
20	2,704,656	55,774	West	NM ⁽¹⁾	46
21	2,760,430	40,673	West	NM ⁽¹⁾	46
22	2,801,103	47,175	West	NM ⁽¹⁾	46
23	2,848,278	57,531	West	NM ⁽¹⁾	47
24	2,905,809	45,940	West	NM ⁽¹⁾	47
25	2,951,749	46,204	West	NM ⁽¹⁾	47
26	2,997,953	26,017	West	NM ⁽¹⁾	48
27	3,023,970	53,413	West	NM ⁽¹⁾	46
28	3,077,383	39,019	West	NM ⁽¹⁾	48
Mar-25	3,116,402				48

(1) Not measured - RW abandoned

Flow Data	Gallons
For Month	1,331,074
To Pond	1,331,074
Below Pond	0
Average	47,538
Maximum	67,291
Minimum	24,189
Total Through Jan	1,398,412,673
Total Through Feb	1,399,743,747

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
	2/6/25	2/6/25	2/6/25
	2/13/25	2/13/25	2/13/25
	2/20/25	2/20/25	2/20/25
	2/27/25	2/27/25	2/27/25

Drum Disposal None

Note: Adjusted VFD on 2/27/25

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
February 2025

<u>Parameter</u>	<u>Units</u>	<u>30 Day Avg Limit</u>	<u>Daily Max</u>	<u>GW Cleanup Goals</u>	<u>2/5/2025</u>		<u>2/12/2025</u>		<u>2/19/2025</u>		<u>2/26/2025</u>		<u>Average</u>	<u>Maximum</u>	
Lab pH		-	-	-	7.06	H	7.05	H	7.06	H	7.12	H	7.07	7.12	H
Iron, Dissolved	mg/L	-	-	-	ND		0.09		0.07		ND		0.0818	0.0890	
Iron, Total	mg/L	-	-	-	0.934		1.36		0.894		0.95		1.03	1.36	
Acenaphthene	mg/L	-	-	0.42	0.0136		0.00656		0.01330		0.00		0.0096	0.0136	
Acenaphthylene	mg/L	-	-	-	0.00295		0.00114		0.00373		0.00		0.00214	0.00373	
Anthracene	mg/L	-	-	2.1	0.00308		0.00226		0.00255		0.00		0.00243	0.00308	
Benzo(a)anthracene	mg/L	-	-	0.00013	0.000189		0.000163		0.000160		0.000138		0.000163	0.000189	
Benzo(a)pyrene	mg/L	-	-	0.00023	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	-	-	-	0.00015	J	0.00014	J	0.000140	J	0.000140	J	0.00014	0.00015	J
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00291		0.00236		0.0022		0.00205		0.00238	0.00291	
Fluorene	mg/L	-	-	-	0.0081		0.00519		0.00632		0.0043		0.00599	0.00814	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	0.00093	J	ND		ND		ND		0.00093	0.00093	J
o-Cresol	mg/L	-	-	0.35	0.0013	J	0.0028	J	0.0007	J	0.0009	J	0.0014	0.0028	J
Phenanthrene	mg/L	-	-	-	0.0133		0.0061		0.01200		0.0027		0.00851	0.01330	
Pyrene	mg/L	-	-	-	0.0036		0.00285		0.0027		0.00238		0.00288	0.00360	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0480		0.0267		0.0431		0.0192		0.0343	0.0480	
Benzene	µg/L	-	-	5	76.2		67.1		67.0		68.2		69.6	76.2	
Ethylbenzene	µg/L	-	-	700	24.5		23		22.9		22.5		23.5	24.5	
m,p-Xylenes	µg/L	-	-	-	24.2		22.0		23.5		23.2		23.2	24.2	
Naphthalene	µg/L	-	-	25	150		122	B	173		165	B	148	173	
o-Xylene	µg/L	-	-	-	13.9		12.8		14		13.4		13.6	14.0	
Toluene	µg/L	-	-	1000	44.9		44		41		41.8		43.2	44.9	
Xylenes, Total	µg/L	-	-	10000	38.2		34.8		37.6		36.5		36.5	38.2	

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 2025

<u>Parameter</u>	<u>Units</u>	<u>30 Day Avg Limit</u>	<u>Daily Max</u>	<u>GW Cleanup Goals</u>	<u>2/5/2025</u>		<u>2/12/2025</u>		<u>2/19/2025</u>		<u>2/26/2025</u>		<u>Average</u>	<u>Maximum</u>	
Lab pH		-	-	-	7.05	H	7.05	H	7.10	H	7.08	H	7.07	7.10	H
Iron, Dissolved	mg/L	-	-	-	0.028	J	0.038	J	ND		0.022	J	0.029	0.038	J
Iron, Total	mg/L	-	-	-	0.032	J	0.028	BJ	0.0427		0.0723		0.0438	0.0723	
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	-	-	-	0.9		0.5	J	ND		0.4	J	0.6	0.9	
Ethylbenzene	µg/L	-	-	-	0.2	J	ND		ND		0.2	J	0.2	0.2	J
m,p-Xylenes	µg/L	-	-	-	0.6	J	ND		ND		ND		0.6	0.6	J
Naphthalene	µg/L	-	-	-	0.7		ND		ND		ND	B	0.7	0.7	
o-Xylene	µg/L	-	-	-	0.2	J	ND		ND		ND		0.2	0.2	J
Toluene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	-	-	-	0.8	J	ND		ND		ND		0.8	0.8	J

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 2025

<u>Parameter</u>	<u>Units</u>	<u>30 Day Avg Limit</u>	<u>Daily Max</u>	<u>GW Cleanup Goals</u>	<u>2/5/2025</u>		<u>2/12/2025</u>		<u>2/19/2025</u>		<u>2/26/2025</u>		<u>Average</u>	<u>Maximum</u>	
Lab pH		-	-	-	7.09	H	7.05	H	7.20	H	7.18	H	7.14	7.18	H
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND		ND	B	ND		ND		ND	ND	B
Acenaphthene	mg/L	-	0.0608	-	ND		ND	S	ND		ND		ND	ND	S
Acenaphthylene	mg/L	-	-	-	ND		ND	S	ND		ND		ND	ND	S
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	-	0.1	J	ND		ND		ND		0.1	0.1	J
m,p-Xylenes	µg/L	-	-	-	0.3	J	ND		ND		ND		0.3	0.3	J
Naphthalene	µg/L	-	670	-	ND		ND		ND		ND	B	ND	ND	B
o-Xylene	µg/L	-	-	-	0.1	J	ND		ND		ND		0.1	0.1	J
Toluene	µg/L	70	750	-	ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	117	750	-	0.4	J	ND		ND		ND		0.4	0.4	J

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 2025

<u>Parameter</u>	<u>Units</u>	<u>30 Day Avg Limit</u>	<u>Daily Max</u>	<u>GW Cleanup Goals</u>	<u>2/5/2025</u>	<u>2/12/2025</u>	<u>2/19/2025</u>	<u>2/26/2025</u>	<u>Average</u>	<u>Maximum</u>
Benzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	0.2 J	ND	ND	0.2	0.2 J
m,p-Xylenes	µg/L	-	-	-	ND	0.3 J	ND	ND	0.3	0.3 J
Naphthalene	µg/L	-	-	-	ND	ND B	ND	ND B	ND	ND B
o-Xylene	µg/L	-	-	-	ND	0.4 J	ND	ND	0.4	0.4 J
Toluene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	0.7 J	ND	ND	0.7	0.7 J

ND=Not detected above the project acceptable detection limit

MGP Pump & Treat System Summary
Taylorville, Illinois
March 2025

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level	
				East	West
Mar-25					
1	3,116,402	46,252	West	NM ⁽¹⁾	48
2	3,162,654	56,387	West	NM ⁽¹⁾	48
3	3,219,041	41,924	West	NM ⁽¹⁾	48
4	3,260,965	42,124	West	NM ⁽¹⁾	48
5	3,303,089	22,328	West	NM ⁽¹⁾	46
6	3,325,417	54,665	West	NM ⁽¹⁾	46
7	3,380,082	39,658	West	NM ⁽¹⁾	47
8	3,419,740	40,158	West	NM ⁽¹⁾	46
9	3,459,898	60,984	West	NM ⁽¹⁾	46
10	3,520,882	42,071	West	NM ⁽¹⁾	46
11	3,562,953	41,646	West	NM ⁽¹⁾	46
12	3,604,599	24,443	West	NM ⁽¹⁾	46
13	3,629,042	40,954	West	NM ⁽¹⁾	47
14	3,669,996	50,794	West	NM ⁽¹⁾	46
15	3,720,790	71,830	West	NM ⁽¹⁾	47
16	3,792,620	91,938	West	NM ⁽¹⁾	42
17	3,884,558	72,614	West	NM ⁽¹⁾	42
18	3,957,172	64,372	West	NM ⁽¹⁾	41
19	4,021,544	58,453	West	NM ⁽¹⁾	43
20	4,079,997	70,877	West	NM ⁽¹⁾	43
21	4,150,874	55,173	West	NM ⁽¹⁾	46
22	4,206,047	76,904	West	NM ⁽¹⁾	46
23	4,282,951	77,517	West	NM ⁽¹⁾	46
24	4,360,468	65,571	West	NM ⁽¹⁾	46
25	4,426,039	61,069	West	NM ⁽¹⁾	45
26	4,487,108	38,473	West	NM ⁽¹⁾	45
27	4,525,581	52,300	West	NM ⁽¹⁾	46
28	4,577,881	61,573	West	NM ⁽¹⁾	44
29	4,639,454	77,978	West	NM ⁽¹⁾	46
30	4,717,432	70,652	West	NM ⁽¹⁾	46
31	4,788,084	56,231	West	NM ⁽¹⁾	46
Apr-25	4,844,315			NM ⁽¹⁾	46

Flow Data		Gallons
For Month		1,727,913
	To Pond	1,727,913
	Below Pond	0
Average		55,739
Maximum		91,938
Minimum		22,328
Total Through Feb		1,399,743,747
Total Through March		1,401,471,660

Maintenance Summary

Well Cleaning	None		
Vessel	North	South	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None		
Back Washed Vessels	3/15/25	3/15/25	
Changed Bag Filters	North	Middle	South
	3/6/25	3/6/25	3/6/25
	3/13/25	3/13/25	3/13/25
	3/20/25	3/20/25	3/20/25
	3/27/25	3/27/25	3/27/25
Drum Disposal	None		

Note:

(1) Not measured - RW abandoned

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
March 2025

<u>Parameter</u>	<u>Units</u>	<u>30 Day Avg Limit</u>	<u>Daily Max</u>	<u>GW Cleanup Goals</u>	<u>3/5/2025</u>		<u>3/12/2025</u>		<u>3/19/2025</u>		<u>3/26/2025</u>		<u>Average</u>	<u>Maximum</u>	
Lab pH		-	-	-	7.04	H	7.19	H	7.06	H	7.07	H	7.09	7.19	H
Iron, Dissolved	mg/L	-	-	-	0.033	J	0.154		0.225		ND		0.137	0.225	
Iron, Total	mg/L	-	-	-	1.01		0.962		1.03		1.05		1.01	1.05	
Acenaphthene	mg/L	-	-	0.42	0.0079		0.0108		0.0115		0.0055		0.0089	0.0115	
Acenaphthylene	mg/L	-	-	-	0.00181		0.00257		0.00401		0.00086		0.00231	0.00401	
Anthracene	mg/L	-	-	2.1	0.00200		0.00263		0.00266		0.00251		0.00245	0.00266	
Benzo(a)anthracene	mg/L	-	-	0.00013	0.000146	B	0.000151		0.000143		0.000167		0.000152	0.000167	
Benzo(a)pyrene	mg/L	-	-	0.00023	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	-	-	-	0.000140	J	0.000130	J	0.000234		0.00016	J	0.000166	0.000234	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00183		0.00256		0.00321		0.00272		0.00258	0.00321	
Fluorene	mg/L	-	-	-	0.00445		0.00638		0.00865		0.00485		0.00608	0.00865	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	0.00069	J	0.00076	J	ND		ND		0.00073	0.00076	J
o-Cresol	mg/L	-	-	0.35	0.00120	J	0.00160	J	0.00098	J	0.00210	J	0.00147	0.00210	J
Phenanthrene	mg/L	-	-	-	0.0067		0.0114		0.0111		0.0043		0.0084	0.0114	
Pyrene	mg/L	-	-	-	0.00222		0.00315		0.00279		0.00307		0.00281	0.00315	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0272		0.0397		0.0391		0.0242		0.0326	0.0397	
Benzene	µg/L	-	-	5	58.9		58.4		75.7		72.5		66.4	75.7	
Ethylbenzene	µg/L	-	-	700	17.8		19.3		30.9		27.2		23.8	30.9	
m,p-Xylenes	µg/L	-	-	-	19.2		21.1		24.9		22.5		21.9	24.9	
Naphthalene	µg/L	-	-	25	130		132		190		159		153	190	
o-Xylene	µg/L	-	-	-	11.5		12.6		13.8		12.8		12.7	13.8	
Toluene	µg/L	-	-	1000	35		36		57		51		45	57	
Xylenes, Total	µg/L	-	-	10000	30.7		33.7		38.7		35.3		34.6	38.7	

ND=Not detected above the project acceptable detection limit

J=Analyte detected below reporting limits

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
March 2025

<u>Parameter</u>	<u>Units</u>	<u>30 Day Avg Limit</u>	<u>Daily Max</u>	<u>GW Cleanup Goals</u>	<u>3/5/2025</u>		<u>3/12/2025</u>		<u>3/19/2025</u>		<u>3/26/2025</u>		<u>Average</u>	<u>Maximum</u>	
Lab pH		-	-	-	7.09	H	6.99	H	7.06	H	7.15	H	7.08	7.15	H
Iron, Dissolved	mg/L	-	-	-	0.0360	J	0.0320	J	ND		0.0280	J	0.0320	0.0360	J
Iron, Total	mg/L	-	-	-	0.0556		0.0651		0.0280	J	0.0477		0.0491	0.0651	
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	B	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	-	-	-	0.3	J	ND		ND		0.6		0.5	0.6	
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
B=Analyte found in the method blank at a concentration
H = Holding times exceeded

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
March 2025

<u>Parameter</u>	<u>Units</u>	<u>30 Day Avg Limit</u>	<u>Daily Max</u>	<u>GW Cleanup Goals</u>	<u>3/5/2025</u>		<u>3/12/2025</u>		<u>3/19/2025</u>		<u>3/26/2025</u>		<u>Average</u>	<u>Maximum</u>	
Lab pH		-	-	-	7.07	H	6.99	H	7.06	H	7.23	H	7.09	7.23	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	B	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	R	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

B=Analyte found in the method blank at a concentration

R=RPD outside acceptable recovery limits

H = Holding times exceeded

Trip Blank
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
March 2025

<u>Parameter</u>	<u>Units</u>	<u>30 Day Avg Limit</u>	<u>Daily Max</u>	<u>GW Cleanup Goals</u>	<u>3/5/2025</u>	<u>3/12/2025</u>	<u>3/19/2025</u>	<u>3/26/2025</u>	<u>Average</u>	<u>Maximum</u>
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

MONITORING WELL LOCATION MAP



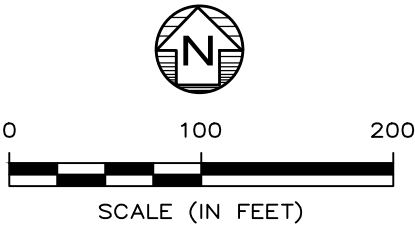
APPROXIMATE
PROPERTY
BOUNDARY

SOUTH WEBSTER STREET

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

LEGEND

- MONITORING WELL
- PERFORMANCE MONITORING WELL
- ABANDONED MONITORING WELL



Drawn By	FAK
CADD Review	ERM
Date Drawn/Rev'd	4/3/24



FORMER CIPS MGP SITE

917 SOUTH WEBSTER STREET
TAYLORVILLE, ILLINOIS

Environmental Resources Management

CHK'D	MA
	0721631
	FIGURE 1



ERM

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Suite 100
Saint Louis, MO 63146

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erm.com

Mr. Brian Martin
Ameren Services Company
Senior Manager, Environmental and ESG Services
Environmental Strategy & Analysis
1901 Chouteau Avenue / MC 602
St. Louis, Missouri 63103

DATE
11 April 2025
SUBJECT
Year 2025 Quarter 1 Groundwater
Sampling Results
Former MGP Site – Taylorville, Illinois
REFERENCE
0760991

Dear Mr. Martin:

Environmental Resources Management, Inc. (ERM) has completed the first quarter 2025 groundwater sampling event at the Ameren former manufactured gas plant (MGP) site, located at 917 South Webster Street in Taylorville, Illinois (the “Site”). The Site boundary is shown in orange on Figure 1. This report summarizes the field data and analytical results for the quarterly groundwater sampling event conducted from 24 February through 26 February 2025, including the re-sampling event that occurred on 18 March 2025 due to a laboratory analytical error affecting select samples.

METHODOLOGY

During the sampling event, groundwater samples were collected from 17 monitoring wells, which includes six (6) monitoring wells inside the parent parcel, four (4) of which are located inside the Site boundary; nine (9) monitoring wells south of the parent parcel on Ameren owned parcels; and two (2) monitoring wells located offsite and outside of Ameren-owned property. Monitoring well location maps are provided as Figure 1 and Figure 2. The Site parent parcel boundary and Ameren-owned properties are shown on Figure 1.

Groundwater level measurements were recorded from each monitoring well prior to purging and sampling on 24 February 2025 using a decontaminated water level meter referenced from the marked top of casing to an accuracy of 0.01 feet. After completion of groundwater gauging, an equipment blank sample (EQB-001) was collected from the water level meter.

Purging and sampling was conducted at the 17 quarterly monitoring wells with the exception of GW-4R and GW-20, using a dedicated bladder pump installed in the middle of the well screen. Dedicated tubing from the bladder pumps was connected to disposable polyethylene tubing (3/8-inch inner diameter by 1/2-inch outer diameter), which was subsequently connected to the water quality meter (YSI) flow-through cell. During purging, field parameters: pH, specific conductivity (SC), dissolved oxygen

(DO), temperature, oxidation reductive potential (ORP), and turbidity were collected using a calibrated YSI water quality meter and HACH turbidimeter at an initial reading, and upon purging each well volume. Purging was conducted until three (3) well volumes of groundwater were removed.

Due to the low volume observed at GW-4R, a dedicated bailer, which was installed in this monitoring well during the Q4 2024 groundwater monitoring event, was used to purge and sample GW-4R. Similarly, GW-20 has been sampled and purged using a dedicated bailer, due to the shallow depth to water and low well volume.

Monitoring wells GW-4R and GW-20 were sampled and purged using the dedicated bailers installed in these wells. The bailer was lowered to the bottom of the well screen and retrieved to collect groundwater. During purging, the field parameters: pH, SC, DO, temperature, ORP and turbidity were collected using a calibrated YSI water quality meter and HACH turbidimeter at an initial reading, and upon purging each well volume. Purging was conducted until three (3) well volumes of groundwater were removed.

After three (3) volumes of groundwater were removed from each monitoring well, groundwater samples were collected from the polyethylene tubing or dedicated bailer and poured into laboratory provided containers and immediately placed in ice-filled coolers. For the monitoring wells sampled using a bladder pump, the YSI flow cell was disconnected from the disposable polyethylene tubing prior to the collection of each sample.

Turbid groundwater has been historically observed during purging and sampling at monitoring well GW-20. To determine if the turbidity has potentially biased historically observed PAH concentrations in samples collected from this monitoring well, an additional field-filtered sample (GW-20FF-WG-20250224) was collected from this monitoring well. For the collection of this sample, the sample from the dedicated bailer was filtered through a factory-sealed 0.45-micron field filter into the laboratory provided containers.

Due to suspected lab contamination during sample preparation for samples collected from monitoring wells GW-05, GW-25, and GW-26, additional groundwater samples were collected from these wells on 18 March 2025 using the same methodology described above.

All purge water generated from groundwater purging and sampling activities was treated and discharged through the on-site groundwater treatment system (GWTS).

Quality assurance (QA) samples collected during the event included duplicates, matrix spike and matrix spike duplicates (MS/MSD), one (1) equipment blank and two (2) trip blanks. Blind duplicate samples were collected from monitoring wells GW-4R and GW-22S. These samples are identified on the chain-of-custody and analytical report as DUP-001 and DUP-002.

Samples were handled under chain-of-custody procedures and were delivered to Teklab, Inc. (Teklab) in Collinsville, IL by ERM. Groundwater samples were analyzed for the constituents of concern (COCs) established in the United States Environmental Protection Agency (USEPA) 1992 Record of Decision (ROD) for the Site. The COCs for the Site are composed of select volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs). VOCs were analyzed by USEPA Method 8260B and PAHs were analyzed by USEPA Method 8270C. All laboratory analytical reports and accompanying Level 4 Data Packages were provided by Teklab. The Level 4 Data Packages were requested to evaluate analytical data and determine usability, including analytical data results, quality control, and sample handling information.

GROUNDWATER MONITORING RESULTS

GROUNDWATER LEVELS

The measured depth to groundwater (DTW) from the monitoring wells during the first quarter 2025 sampling event ranged from 3.41 to 19.39 feet below top of casing (BTOC). A groundwater elevation summary is provided as Attachment B.

The west extraction well at the Site is gauged daily using an airline gauge which measures the height of groundwater above the top of the pump. The depth to water at the west extraction well was approximately 38 feet below ground surface (bgs) on 24 February 2025. The groundwater elevation was approximately 581 feet above mean sea level. For comparison, the measured groundwater elevation at nearby monitoring well GW-7 is 599.38 feet above mean sea level, indicating that groundwater in this area flows toward the extraction well.

The groundwater contour shown on Figure 3 was developed using the groundwater elevations measured on 24 February 2025. For nested pair monitoring wells, groundwater elevations measured from the shallow monitoring wells were used in development of the groundwater contour rather than the deep monitoring wells due to the potential presence of a vertical groundwater gradient.

The hydraulic gradient on the Site is toward the extraction well. On the Site, there is a cone of depression around the extraction well, with the approximate extents depicted on Figure 3. Based on groundwater elevation measurements, a groundwater divide appears to exist near GW-25, where groundwater to the north of this well flows towards the extraction well and groundwater to the south of this well to the south-southeast along the regional hydraulic gradient.

DATA VALIDATION

ERM reviewed analytical data from the first quarter 2025 groundwater sampling event for compliance with quality assurance/quality control (QA/QC) requirements and method-prescribed criteria for review of holding time and sample preservation, blank samples, spike samples, surrogate spikes, and duplicate samples.

Stage 3 data validation, including additional data review of calibration, internal standards and recalculation, was completed for 20 percent of the samples.

Following the data validation, no samples required rejection and the quality of the data generated was determined to be acceptable and usable for decision-making purposes. The limitations indicated by the following applied qualifiers should be considered when using this data. A 'j' qualifier, applied by the laboratory, indicates the result is an estimated concentration, below laboratory reporting limits. A 'J' qualifier, added following data validation by ERM, indicates the result is an estimated concentration. A 'UJ' qualifier, added following data validation by ERM, indicates that the result is non-detected, and the reporting limit estimated. These qualifiers are applied to sample results in the summary table provided in Attachment C. The data validation summary for the first quarter 2025 sampling results is provided as Attachment E.

ANALYTICAL RESULTS

Analytical results from the groundwater samples collected during the first quarter 2025 sampling event were compared to site-specific clean up objectives (CUOs) established in the USEPA 1992 ROD for the Site. The laboratory reports for the first quarter 2025 sampling event are provided as Attachment A. Attachment C contains the validated analytical data summary for the first quarter 2025 sampling event. Attachment D contains the historical data summary for the site monitoring wells from the period of February 2021 through February/March 2025.

It should be noted that both the original laboratory analytical report for samples collected in the February 2025 quarterly sampling event and the March 2025 re-sampling event analytical laboratory reports are included in Attachment A. However, only the March 2025 re-sampled results for groundwater samples collected from GW-05, GW-25, and GW-26 are discussed in this report due to the suspected lab contamination during sample preparation associated with these three (3) groundwater samples.

Of the 17 monitoring wells sampled during the first quarter 2025 groundwater sampling event, samples at five (5) monitoring wells contained exceedances of Site CUOs.

Site Monitoring Wells

GW-4R

Benzene, naphthalene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected in the primary and duplicate groundwater sample collected from GW-4R exceeding ROD CUOs.

These findings are consistent with what has been observed during past quarterly groundwater sampling events in that the highest concentrations of COCs on the Site have been noted in samples collected from GW-4R.

GW-7

Benzo(a)anthracene and bis(2-ethylhexyl)phthalate were detected in the groundwater sample collected at GW-7 exceeding CUOs. These findings are consistent with what has been observed during past quarterly groundwater sampling events.

Downgradient Monitoring Wells

Groundwater samples collected from monitoring wells located on the downgradient perimeter of the Site, which include monitoring wells: GW-16S, GW-16D, GW-17, GW-18S, GW-18D, GW-19S, GW-19D, GW-20, GW-22S, GW-22D, GW-25, and GW-26, did not have any exceedances of the CUOs, with three (3) exceptions discussed below.

GW-16D

The groundwater sample collected from GW-16D contained detections of bis(2-ethylhexyl)phthalate exceeding CUOs. This constituent has been previously detected above CUOs from the groundwater samples collected from this monitoring well.

GW-18S

The groundwater sample collected from GW-18S contained detections of bis(2-ethylhexyl)phthalate exceeding CUOs. This constituent has been previously detected above CUOs from the groundwater samples collected from this monitoring well.

Bis(2-ethylhexyl)phthalate has historically been observed in samples collected from monitoring wells on and off the Site. This compound is typically not considered to be an MGP constituent. The detections of this compound more likely reflect background, laboratory, or sample methodology influences.

GW-20

Consistent with previous quarterly groundwater sampling events, PAHs including benzo(a)pyrene and benzo(b)fluoranthene were detected at concentrations exceeding the CUOs from the unfiltered groundwater sample collected from GW-20.

GW-20, which is about 1,000 feet south from the Site, is the furthest monitoring well downgradient from the Site and screened at a shallow interval (approximately 4.5 to 9.5 feet bgs). Since samples collected from monitoring wells located between GW-20 and the Site have not historically contained detections of these PAHs, and due to the low solubility of the detected compounds, it is unlikely that the PAHs from the sample collected at GW-20 are related to the former MGP site. These impacts are attributed to background PAHs in the soil surrounding GW-20. In the unfiltered samples, the laboratory analysis detected background PAHs from the suspended solids rather than dissolved PAHs in the groundwater due to the sample's high turbidity (265 NTU).

PAHs were not detected above laboratory reporting limits in the filtered groundwater sample collected from GW-20 (GW-20FF). This observation supports the assumption that the detected PAHs in the unfiltered sample collected from this monitoring well are biased high due to high turbidity measurements observed in the sample and not related to the former MGP site.

CONCLUSION

ERM conducted first quarter 2025 groundwater sampling event at the Site from 24 February through 26 February 2025. Groundwater samples were re-collected from three (3) monitoring wells on 18 March 2025 due to a laboratory analytical error. Samples and groundwater level measurements were collected from 17 monitoring wells. Groundwater flow was observed to be primarily flat within the Site and immediate vicinity, with hydraulic containment extending to about GW-25. South of this location, and on Ameren-owned property, the gradient is generally south-southeast.

Exceedances of CUOs from constituents that are known to be MGP COCs were exclusively observed in groundwater samples collected from on-site monitoring wells GW-4R and GW-7. Groundwater samples collected from GW-4R continue to contain the highest concentrations of COCs.

Groundwater samples collected from GW-7, GW-16D, and GW-18S contain detections of bis(2-ethylhexyl)phthalate exceeding the ROD CUO. However, this constituent is not typically considered an MGP COC, and the detections of this constituent likely reflect background, laboratory, or sample methodology influences.

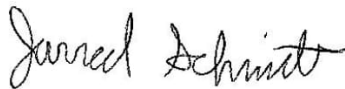
The unfiltered groundwater sample collected from GW-20 contained detections of PAHs above CUOs. However, these PAHs are not expected to be related to the former MGP site due to the distance from the Site and lack of PAH detections in samples collected from monitoring wells between the Site and GW-20. Rather, these detections of PAHs are likely biased high due to high turbidity measurements (265 NTU) observed in the sample. In the unfiltered analysis, the laboratory analysis detected PAHs as suspended solids rather than dissolved PAHs in the groundwater. A filtered groundwater sample (GW-20FF) was collected from GW-20. PAHs were not detected above laboratory reporting limits in the field filtered sample which supports the assumption that historically observed PAHs in unfiltered samples collected from GW-20 reflect PAHs from suspended solids rather than dissolved PAHs in the groundwater and are not related to the former MGP site. Additionally, it should be noted that VOCs, which are generally more mobile than PAHs, have not historically been detected above laboratory reporting limits in groundwater samples collected from GW-20. In future groundwater sampling events, ERM will collect field filtered samples from GW-20 so that the groundwater results are representative of dissolved PAHs rather than suspended solids from background soil.

The second quarter 2025 groundwater sampling event is scheduled to be completed in May 2025. Should you have any questions, please contact us at your convenience.

Sincerely,



Michael Abegg, RG (MO)
Senior Consultant



Jarred Schmidt
Principal Consultant



Dan Wilkens, PG
Partner



TABLE OF CONTENTS

FIGURE 1 – ONSITE WELL LOCATION MAP

FIGURE 2 – OFFSITE WELL LOCATION MAP

FIGURE 3 – GROUNDWATER CONTOUR FIRST QUARTER 2025

ATTACHMENT A – ANALYTICAL LAB REPORT

ATTACHMENT B – GROUNDWATER ELEVATION SUMMARY

ATTACHMENT C – SUMMARY OF FIRST QUARTER 2025 ANALYTICAL RESULTS

ATTACHMENT D – SUMMARY OF HISTORICAL ANALYTICAL RESULTS

ATTACHMENT E – DATA VALIDATION SUMMARY



FIGURES

DRAWN BY: Shannon Long

M:\USProjects\A-C\AmerenTaylorville_IL_MXD\2024_Q4_GW\MQ4_GW_Figures.aprx - shannon.long - 4/7/2025

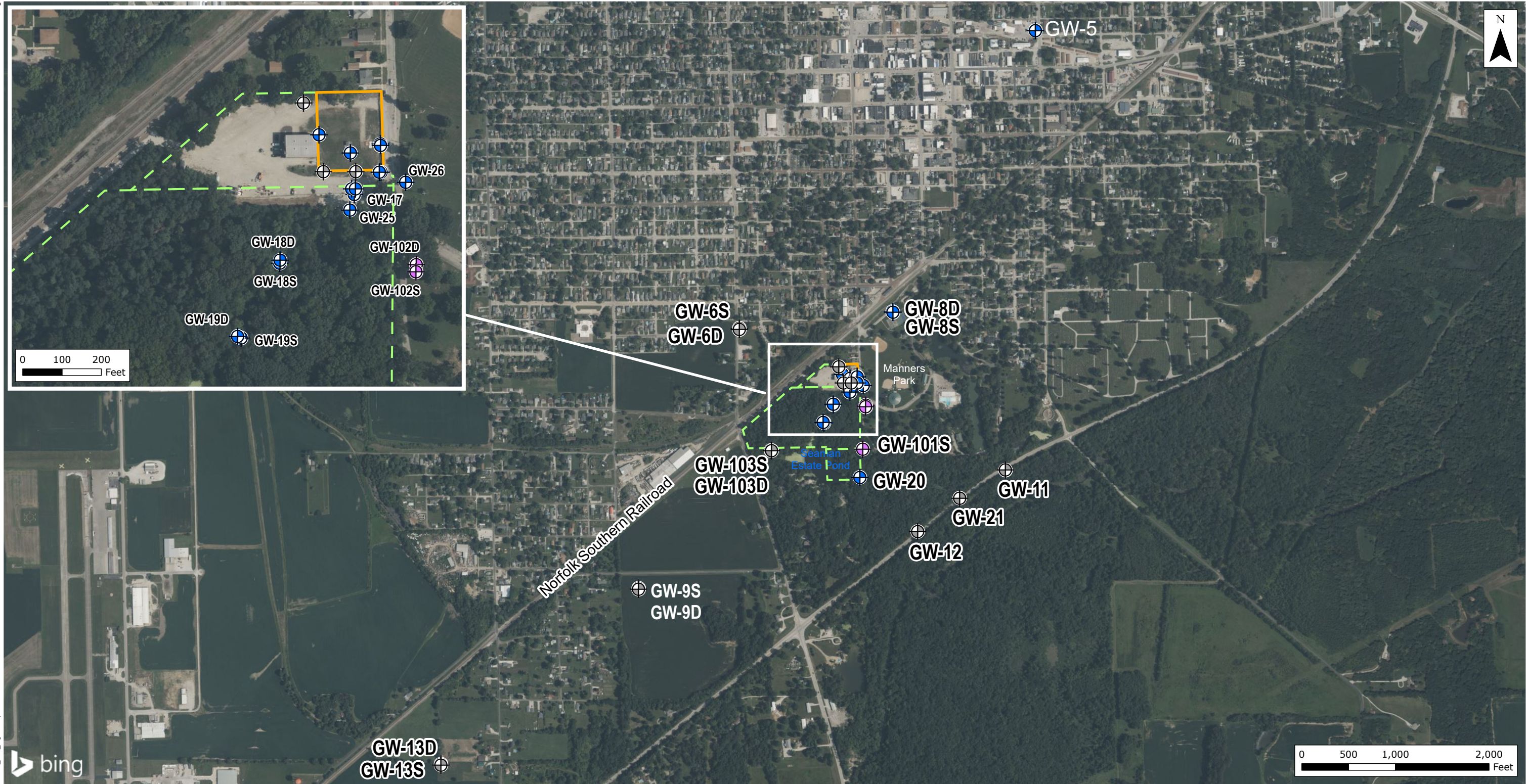


Legend

- Monitoring Well
- Annual Well
- Abandoned Monitoring Well
- East Extraction Well (Abandoned)
- West Extraction Well
- Remediation Site Boundary
- Ameren Owned Parcel

NOTES:
1. Aerial Imagery: Bing Maps
2. Monitoring wells: Sampled during Quarterly and Annual Groundwater Monitoring events
3. Annual well: Sampled during Annual Groundwater Monitoring event only.

Figure 1
Onsite and Adjacent Monitoring Wells
Ameren Taylorville MGP Site
Taylorville Township
Christian County, IL



Legend

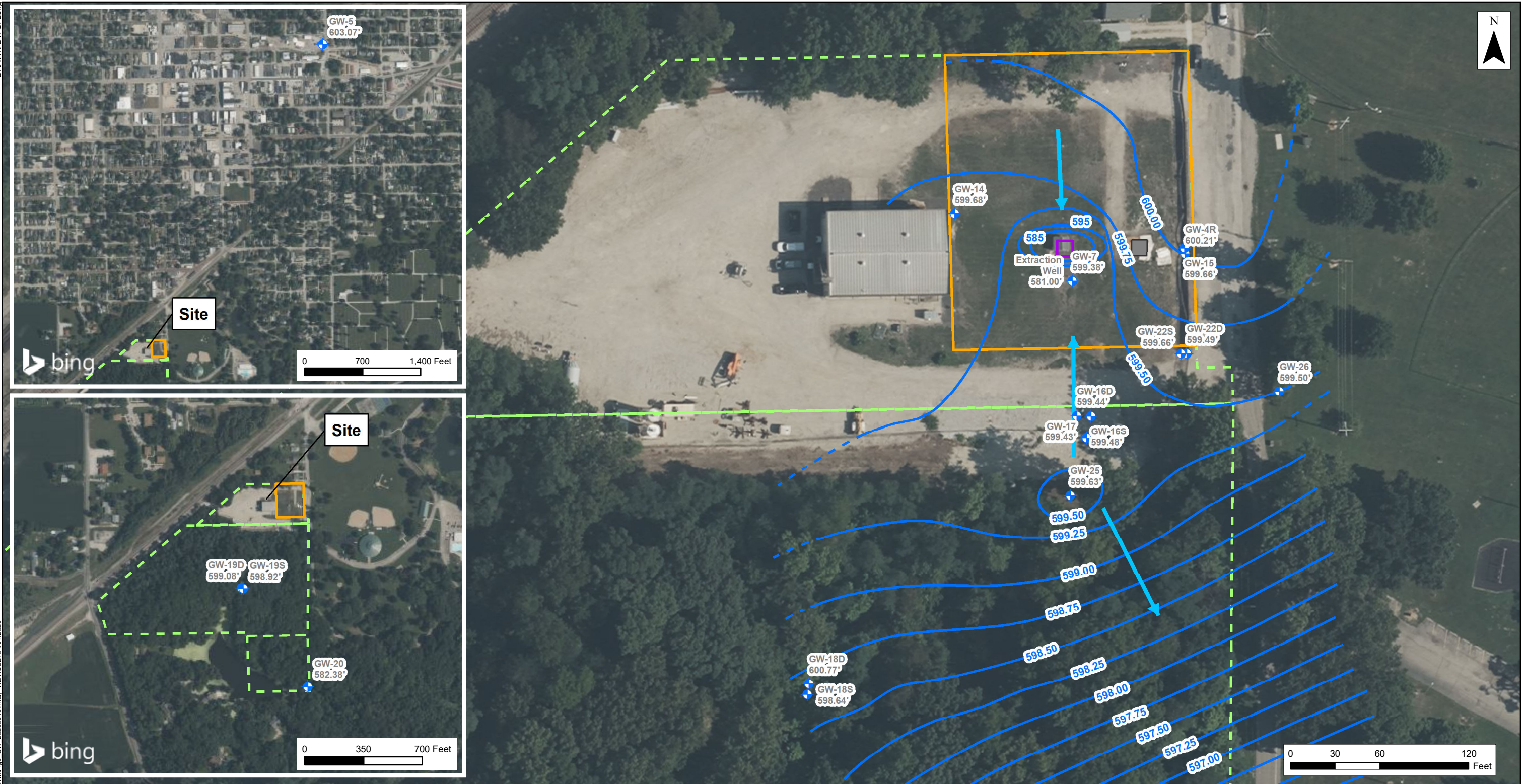
- Monitoring Well
- Annual Well
- Abandoned Monitoring Well
- Remediation Site Boundary
- Ameren Owned Parcel

NOTES:

1. GW-8S and GW-8D not included in Quarterly or Annual Groundwater Monitoring.
2. Monitoring wells: Sampled during Quarterly and Annual Groundwater Monitoring events
3. Annual well: Sampled during Annual Groundwater Monitoring event only.
4. Aerial Imagery: Bing Maps

Figure 2
Offsite Monitoring Wells
Ameren Taylorville MGP Site
Taylorville Township
Christian County, IL

Environmental Resources Management
www.erm.com



Legend

- Monitoring Well
- Groundwater Contour
- Estimated Groundwater Contour
- Groundwater Flow Direction
- East Extraction Well (Abandoned)
- West Extraction Well
- Remediation Site Boundary
- Ameren Owned Parcel

NOTES:

1. GW-15, GW-18D, GW-19D and GW-22D were not used for contouring.
2. Groundwater elevation for West Extraction Well was measured at 581 ft. on February 24, 2025.
3. Depths to groundwater were measured February 24, 2025.
4. Aerial Imagery: Bing Maps

Figure 3
Groundwater Contour Map
Ameren Taylorville MGP Site
Taylorville Township
Christian County, IL





ATTACHMENT A ANALYTICAL LAB REPORT

March 05, 2025

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



Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ameren Taylorville 1st Qtr 2025

WorkOrder: 25021909

Dear Michael Abegg:

TEKLAB, INC received 22 samples on 2/26/2025 2:30:00 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
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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	50
Chain of Custody	Appended

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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.

LCS D 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: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Cooler Receipt Temp: 5.7 °C

Locations

Collinsville

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

Collinsville Air

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

Springfield

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Phone (217) 698-1004
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Fax
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Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Client: ERM**Work Order:** 25021909**Client Project:** Ameren Taylorville 1st Qtr 2025**Report Date:** 05-Mar-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-001

Client Sample ID: GW-04R-WG-20250226

Matrix: GROUNDWATER

Collection Date: 02/26/2025 12:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000700	0.00100		0.0291	mg/L	10	03/03/2025 18:28	235329
Acenaphthylene	NELAP	1.000500	0.00100		0.0197	mg/L	10	03/03/2025 18:28	235329
Anthracene	NELAP	0.00200	0.00300		0.00518	mg/L	10	03/03/2025 18:28	235329
Benzo(a)anthracene	NELAP	1.000700	0.00100		0.0140	mg/L	10	03/03/2025 18:28	235329
Benzo(a)pyrene	NELAP	0.0011	0.0020	J	0.0019	mg/L	10	03/03/2025 18:28	235329
Benzo(b)fluoranthene	NELAP	0.00130	0.00200		0.0198	mg/L	10	03/03/2025 18:28	235329
Benzo(g,h,i)perylene	NELAP	0.00120	0.00200		0.00450	mg/L	10	03/03/2025 18:28	235329
Benzo(k)fluoranthene	NELAP	0.00120	0.00200		0.00655	mg/L	10	03/03/2025 18:28	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.0143	0.0200		ND	mg/L	10	03/03/2025 18:28	235329
Chrysene	NELAP	0.00120	0.00200		0.0304	mg/L	10	03/03/2025 18:28	235329
Dibenzo(a,h)anthracene	NELAP	0.00120	0.00200		0.00231	mg/L	10	03/03/2025 18:28	235329
Di-n-butyl phthalate	NELAP	0.00830	0.100		ND	mg/L	10	03/03/2025 18:28	235329
Fluoranthene	NELAP	0.0675	0.0750		ND	mg/L	250	03/05/2025 0:45	235329
Fluorene	NELAP	0.0425	0.0500		0.0758	mg/L	250	03/05/2025 0:45	235329
Indeno(1,2,3-cd)pyrene	NELAP	0.00160	0.00200		0.00502	mg/L	10	03/03/2025 18:28	235329
m,p-Cresol	NELAP	0.00590	0.100		ND	mg/L	10	03/03/2025 18:28	235329
Naphthalene	NELAP	0.0400	0.100		0.497	mg/L	250	03/05/2025 0:45	235329
o-Cresol	NELAP	0.00540	0.100		ND	mg/L	10	03/03/2025 18:28	235329
Phenanthrene	NELAP	0.132	0.150		0.187	mg/L	250	03/05/2025 0:45	235329
Pyrene	NELAP	0.00180	0.00200		0.0413	mg/L	10	03/03/2025 18:28	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		71.2	%REC	10	03/03/2025 18:28	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		62.2	%REC	10	03/03/2025 18:28	235329
Surr: 2-Fluorophenol	*	0	30-130		79.8	%REC	10	03/03/2025 18:28	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		86.4	%REC	10	03/03/2025 18:28	235329
Surr: Phenol-d5	*	0	20.5-122		69.2	%REC	10	03/03/2025 18:28	235329
Surr: p-Terphenyl-d14	*	0	44-147		81.5	%REC	10	03/03/2025 18:28	235329

Elevated reporting limit due to sample extract composition.

Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.50	5.00		1030	µg/L	10	02/27/2025 9:35	235312
Bromoform	NELAP	0.90	2.00		ND	µg/L	10	02/27/2025 22:00	235361
Ethylbenzene	NELAP	1.00	10.0		332	µg/L	10	02/27/2025 9:35	235312
m,p-Xylenes	NELAP	2.20	10.0		73.9	µg/L	10	02/27/2025 9:35	235312
Methylene chloride	NELAP	8.70	20.0		ND	µg/L	10	02/27/2025 9:35	235312
Naphthalene	NELAP	5.70	20.0	B	858	µg/L	10	02/27/2025 9:35	235312
o-Xylene	NELAP	0.50	10.0		210	µg/L	10	02/27/2025 9:35	235312
Toluene	NELAP	1.00	20.0		162	µg/L	10	02/27/2025 9:35	235312
trans-1,2-Dichloroethene	NELAP	1.00	20.0		ND	µg/L	10	02/27/2025 9:35	235312
Xylenes, Total	NELAP	2.80	20.0		284	µg/L	10	02/27/2025 9:35	235312
Surr: 1,2-Dichloroethane-d4	*	0	80-120		98.0	%REC	10	02/27/2025 9:35	235312
Surr: 4-Bromofluorobenzene	*	0	80-120		93.7	%REC	10	02/27/2025 9:35	235312
Surr: Dibromofluoromethane	*	0	80-120		102.4	%REC	10	02/27/2025 9:35	235312
Surr: Toluene-d8	*	0	80-120		97.5	%REC	10	02/27/2025 9:35	235312

Sample result for naphthalene exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.

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

Client: ERM
 Client Project: Ameren Taylorville 1st Qtr 2025
 Lab ID: 25021909-002
 Matrix: GROUNDWATER

Work Order: 25021909
 Report Date: 05-Mar-25

Client Sample ID: GW-05-WG-20250225
 Collection Date: 02/25/2025 9:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	03/01/2025 16:41	235329
Acenaphthylene	NELAP	1.000050	0.00010	J	0.000055	mg/L	1	03/01/2025 16:41	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	03/01/2025 16:41	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	03/01/2025 16:41	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	03/01/2025 16:41	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	03/01/2025 16:41	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 16:41	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 16:41	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	03/01/2025 16:41	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 16:41	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 16:41	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	03/01/2025 16:41	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	03/01/2025 16:41	235329
Fluorene	NELAP	0.00017	0.00020	J	0.00019	mg/L	1	03/01/2025 16:41	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	03/01/2025 16:41	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	03/01/2025 16:41	235329
Naphthalene	NELAP	1.000160	0.000400		0.000865	mg/L	1	03/01/2025 16:41	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	03/01/2025 16:41	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	03/01/2025 16:41	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	03/01/2025 16:41	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		97.9	%REC	1	03/01/2025 16:41	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		69.7	%REC	1	03/01/2025 16:41	235329
Surr: 2-Fluorophenol	*	0	30-130		80.0	%REC	1	03/01/2025 16:41	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		68.9	%REC	1	03/01/2025 16:41	235329
Surr: Phenol-d5	*	0	20.5-122		53.2	%REC	1	03/01/2025 16:41	235329
Surr: p-Terphenyl-d14	*	0	44-147		86.8	%REC	1	03/01/2025 16:41	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/27/2025 10:01	235312
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/27/2025 22:25	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/27/2025 10:01	235312
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/27/2025 10:01	235312
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/27/2025 10:01	235312
Naphthalene	NELAP	0.57	2.0	J	0.92	µg/L	1	02/27/2025 22:25	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/27/2025 10:01	235312
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/27/2025 10:01	235312
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/27/2025 10:01	235312
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/27/2025 10:01	235312
Surr: 1,2-Dichloroethane-d4	*	0	80-120		97.7	%REC	1	02/27/2025 10:01	235312
Surr: 4-Bromofluorobenzene	*	0	80-120		96.4	%REC	1	02/27/2025 10:01	235312
Surr: Dibromofluoromethane	*	0	80-120		100.6	%REC	1	02/27/2025 10:01	235312
Surr: Toluene-d8	*	0	80-120		98.3	%REC	1	02/27/2025 10:01	235312

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-003

Client Sample ID: GW-07-WG-20250225

Matrix: GROUNDWATER

Collection Date: 02/25/2025 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		0.000115	mg/L	1	03/01/2025 17:20	235329
Acenaphthylene	NELAP	1.000050	0.000100		0.000108	mg/L	1	03/01/2025 17:20	235329
Anthracene	NELAP	1.000200	0.000300		0.00118	mg/L	1	03/01/2025 17:20	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		0.000178	mg/L	1	03/01/2025 17:20	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	03/01/2025 17:20	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	03/01/2025 17:20	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 17:20	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 17:20	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		0.00302	mg/L	1	03/01/2025 17:20	235329
Chrysene	NELAP	0.00012	0.00020	J	0.00014	mg/L	1	03/01/2025 17:20	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 17:20	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	03/01/2025 17:20	235329
Fluoranthene	NELAP	1.000270	0.000300		0.000701	mg/L	1	03/01/2025 17:20	235329
Fluorene	NELAP	1.000170	0.000200		0.000304	mg/L	1	03/01/2025 17:20	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	03/01/2025 17:20	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	03/01/2025 17:20	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	03/01/2025 17:20	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	03/01/2025 17:20	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	03/01/2025 17:20	235329
Pyrene	NELAP	1.000180	0.000200		0.00230	mg/L	1	03/01/2025 17:20	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		85.3	%REC	1	03/01/2025 17:20	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		58.9	%REC	1	03/01/2025 17:20	235329
Surr: 2-Fluorophenol	*	0	30-130		62.7	%REC	1	03/01/2025 17:20	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		53.7	%REC	1	03/01/2025 17:20	235329
Surr: Phenol-d5	*	0	20.5-122		41.7	%REC	1	03/01/2025 17:20	235329
Surr: p-Terphenyl-d14	*	0	44-147		76.7	%REC	1	03/01/2025 17:20	235329

Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/27/2025 10:28	235312
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/27/2025 22:50	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/27/2025 10:28	235312
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/27/2025 10:28	235312
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/27/2025 10:28	235312
Naphthalene	NELAP	0.57	2.00	B	ND	µg/L	1	02/27/2025 10:28	235312
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/27/2025 10:28	235312
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/27/2025 10:28	235312
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/27/2025 10:28	235312
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/27/2025 10:28	235312
Surr: 1,2-Dichloroethane-d4	*	0	80-120		97.7	%REC	1	02/27/2025 10:28	235312
Surr: 4-Bromofluorobenzene	*	0	80-120		95.1	%REC	1	02/27/2025 10:28	235312
Surr: Dibromofluoromethane	*	0	80-120		101.8	%REC	1	02/27/2025 10:28	235312
Surr: Toluene-d8	*	0	80-120		97.3	%REC	1	02/27/2025 10:28	235312

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

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-004

Client Sample ID: GW-14-WG-20250225

Matrix: GROUNDWATER

Collection Date: 02/25/2025 17:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	03/01/2025 17:58	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	03/01/2025 17:58	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	03/01/2025 17:58	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	03/01/2025 17:58	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	03/01/2025 17:58	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	03/01/2025 17:58	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 17:58	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 17:58	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		0.00269	mg/L	1	03/01/2025 17:58	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 17:58	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 17:58	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	03/01/2025 17:58	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	03/01/2025 17:58	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	03/01/2025 17:58	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	03/01/2025 17:58	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	03/01/2025 17:58	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	03/01/2025 17:58	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	03/01/2025 17:58	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	03/01/2025 17:58	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	03/01/2025 17:58	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		98.6	%REC	1	03/01/2025 17:58	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		68.5	%REC	1	03/01/2025 17:58	235329
Surr: 2-Fluorophenol	*	0	30-130		72.6	%REC	1	03/01/2025 17:58	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		65.2	%REC	1	03/01/2025 17:58	235329
Surr: Phenol-d5	*	0	20.5-122		48.3	%REC	1	03/01/2025 17:58	235329
Surr: p-Terphenyl-d14	*	0	44-147		86.0	%REC	1	03/01/2025 17:58	235329

Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/27/2025 10:54	235312
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/27/2025 23:15	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/27/2025 10:54	235312
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/27/2025 10:54	235312
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/27/2025 10:54	235312
Naphthalene	NELAP	0.57	2.00	B	ND	µg/L	1	02/27/2025 10:54	235312
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/27/2025 10:54	235312
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/27/2025 10:54	235312
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/27/2025 10:54	235312
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/27/2025 10:54	235312
Surr: 1,2-Dichloroethane-d4	*	0	80-120		97.4	%REC	1	02/27/2025 10:54	235312
Surr: 4-Bromofluorobenzene	*	0	80-120		95.6	%REC	1	02/27/2025 10:54	235312
Surr: Dibromofluoromethane	*	0	80-120		102.3	%REC	1	02/27/2025 10:54	235312
Surr: Toluene-d8	*	0	80-120		98.1	%REC	1	02/27/2025 10:54	235312

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

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-005

Client Sample ID: GW-15-WG-20250226

Matrix: GROUNDWATER

Collection Date: 02/26/2025 11:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	03/01/2025 18:37	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	03/01/2025 18:37	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	03/01/2025 18:37	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	03/01/2025 18:37	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	03/01/2025 18:37	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	03/01/2025 18:37	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 18:37	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 18:37	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	03/01/2025 18:37	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 18:37	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 18:37	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	03/01/2025 18:37	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	03/01/2025 18:37	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	03/01/2025 18:37	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	03/01/2025 18:37	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	03/01/2025 18:37	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	03/01/2025 18:37	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	03/01/2025 18:37	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	03/01/2025 18:37	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	03/01/2025 18:37	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		87.4	%REC	1	03/01/2025 18:37	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		57.8	%REC	1	03/01/2025 18:37	235329
Surr: 2-Fluorophenol	*	0	30-130		65.1	%REC	1	03/01/2025 18:37	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		58.8	%REC	1	03/01/2025 18:37	235329
Surr: Phenol-d5	*	0	20.5-122		45.3	%REC	1	03/01/2025 18:37	235329
Surr: p-Terphenyl-d14	*	0	44-147		77.7	%REC	1	03/01/2025 18:37	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/27/2025 23:40	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/27/2025 23:40	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/27/2025 23:40	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/27/2025 23:40	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/27/2025 23:40	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/27/2025 23:40	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/27/2025 23:40	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/27/2025 23:40	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/27/2025 23:40	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/27/2025 23:40	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		93.6	%REC	1	02/27/2025 23:40	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		96.4	%REC	1	02/27/2025 23:40	235361
Surr: Dibromofluoromethane	*	0	80-120		97.4	%REC	1	02/27/2025 23:40	235361
Surr: Toluene-d8	*	0	80-120		101.5	%REC	1	02/27/2025 23:40	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-006

Client Sample ID: GW-16S-WG-20250225

Matrix: GROUNDWATER

Collection Date: 02/25/2025 14:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	03/01/2025 19:16	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	03/01/2025 19:16	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	03/01/2025 19:16	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	03/01/2025 19:16	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	03/01/2025 19:16	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	03/01/2025 19:16	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 19:16	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 19:16	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	03/01/2025 19:16	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 19:16	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 19:16	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	03/01/2025 19:16	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	03/01/2025 19:16	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	03/01/2025 19:16	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	03/01/2025 19:16	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	03/01/2025 19:16	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	03/01/2025 19:16	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	03/01/2025 19:16	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	03/01/2025 19:16	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	03/01/2025 19:16	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		104.5	%REC	1	03/01/2025 19:16	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		72.7	%REC	1	03/01/2025 19:16	235329
Surr: 2-Fluorophenol	*	0	30-130		76.1	%REC	1	03/01/2025 19:16	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		70.0	%REC	1	03/01/2025 19:16	235329
Surr: Phenol-d5	*	0	20.5-122		49.7	%REC	1	03/01/2025 19:16	235329
Surr: p-Terphenyl-d14	*	0	44-147		107.7	%REC	1	03/01/2025 19:16	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 0:05	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 0:05	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 0:05	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 0:05	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 0:05	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 0:05	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 0:05	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 0:05	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 0:05	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 0:05	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		95.0	%REC	1	02/28/2025 0:05	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		96.4	%REC	1	02/28/2025 0:05	235361
Surr: Dibromofluoromethane	*	0	80-120		98.1	%REC	1	02/28/2025 0:05	235361
Surr: Toluene-d8	*	0	80-120		101.6	%REC	1	02/28/2025 0:05	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-007

Client Sample ID: GW-16D-WG-20250225

Matrix: GROUNDWATER

Collection Date: 02/25/2025 13:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 19:22	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	02/28/2025 19:22	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	02/28/2025 19:22	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 19:22	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	02/28/2025 19:22	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	02/28/2025 19:22	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 19:22	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 19:22	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00286	0.00400		0.00615	mg/L	2	03/03/2025 13:17	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 19:22	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 19:22	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	02/28/2025 19:22	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	02/28/2025 19:22	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	02/28/2025 19:22	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	02/28/2025 19:22	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	02/28/2025 19:22	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	02/28/2025 19:22	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	02/28/2025 19:22	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	02/28/2025 19:22	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	02/28/2025 19:22	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		130.4	%REC	1	02/28/2025 19:22	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		73.9	%REC	1	02/28/2025 19:22	235329
Surr: 2-Fluorophenol	*	0	30-130		75.3	%REC	1	02/28/2025 19:22	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		63.7	%REC	1	02/28/2025 19:22	235329
Surr: Phenol-d5	*	0	20.5-122		50.0	%REC	1	02/28/2025 19:22	235329
Surr: p-Terphenyl-d14	*	0	44-147		99.0	%REC	1	02/28/2025 19:22	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 0:30	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 0:30	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 0:30	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 0:30	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 0:30	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 0:30	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 0:30	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 0:30	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 0:30	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 0:30	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		93.3	%REC	1	02/28/2025 0:30	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		96.6	%REC	1	02/28/2025 0:30	235361
Surr: Dibromofluoromethane	*	0	80-120		98.3	%REC	1	02/28/2025 0:30	235361
Surr: Toluene-d8	*	0	80-120		101.2	%REC	1	02/28/2025 0:30	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-008

Client Sample ID: GW-17-WG-20250225

Matrix: GROUNDWATER

Collection Date: 02/25/2025 14:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 18:43	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	02/28/2025 18:43	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	02/28/2025 18:43	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 18:43	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	02/28/2025 18:43	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	02/28/2025 18:43	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 18:43	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 18:43	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	02/28/2025 18:43	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 18:43	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 18:43	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	02/28/2025 18:43	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	02/28/2025 18:43	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	02/28/2025 18:43	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	02/28/2025 18:43	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	02/28/2025 18:43	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	02/28/2025 18:43	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	02/28/2025 18:43	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	02/28/2025 18:43	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	02/28/2025 18:43	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161	S	168.8	%REC	1	02/28/2025 18:43	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		75.6	%REC	1	02/28/2025 18:43	235329
Surr: 2-Fluorophenol	*	0	30-130		75.9	%REC	1	02/28/2025 18:43	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		66.7	%REC	1	02/28/2025 18:43	235329
Surr: Phenol-d5	*	0	20.5-122		48.9	%REC	1	02/28/2025 18:43	235329
Surr: p-Terphenyl-d14	*	0	44-147		106.3	%REC	1	02/28/2025 18:43	235329
<i>Surrogate recovery is outside control limits due to matrix interference.</i>									
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 0:55	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 0:55	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 0:55	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 0:55	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 0:55	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 0:55	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 0:55	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 0:55	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 0:55	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 0:55	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		96.4	%REC	1	02/28/2025 0:55	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		99.3	%REC	1	02/28/2025 0:55	235361
Surr: Dibromofluoromethane	*	0	80-120		98.4	%REC	1	02/28/2025 0:55	235361
Surr: Toluene-d8	*	0	80-120		102.2	%REC	1	02/28/2025 0:55	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-009

Client Sample ID: GW-18S-WG-20250224

Matrix: GROUNDWATER

Collection Date: 02/24/2025 15:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 11:00	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	02/28/2025 11:00	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	02/28/2025 11:00	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 11:00	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	02/28/2025 11:00	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	02/28/2025 11:00	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 11:00	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 11:00	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		0.00334	mg/L	1	02/28/2025 11:00	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 11:00	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 11:00	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	02/28/2025 11:00	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	02/28/2025 11:00	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	02/28/2025 11:00	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	02/28/2025 11:00	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	02/28/2025 11:00	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	02/28/2025 11:00	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	02/28/2025 11:00	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	02/28/2025 11:00	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	02/28/2025 11:00	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		150.5	%REC	1	02/28/2025 11:00	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		75.9	%REC	1	02/28/2025 11:00	235329
Surr: 2-Fluorophenol	*	0	30-130		78.1	%REC	1	02/28/2025 11:00	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		71.9	%REC	1	02/28/2025 11:00	235329
Surr: Phenol-d5	*	0	20.5-122		58.9	%REC	1	02/28/2025 11:00	235329
Surr: p-Terphenyl-d14	*	0	44-147		104.2	%REC	1	02/28/2025 11:00	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 1:20	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 1:20	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 1:20	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 1:20	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 1:20	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 1:20	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 1:20	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 1:20	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 1:20	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 1:20	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		94.6	%REC	1	02/28/2025 1:20	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		96.9	%REC	1	02/28/2025 1:20	235361
Surr: Dibromofluoromethane	*	0	80-120		97.9	%REC	1	02/28/2025 1:20	235361
Surr: Toluene-d8	*	0	80-120		100.4	%REC	1	02/28/2025 1:20	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-010

Client Sample ID: GW-18D-WG-20250224

Matrix: GROUNDWATER

Collection Date: 02/24/2025 15:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 11:39	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	02/28/2025 11:39	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	02/28/2025 11:39	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 11:39	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	02/28/2025 11:39	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	02/28/2025 11:39	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 11:39	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 11:39	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	02/28/2025 11:39	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 11:39	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 11:39	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	02/28/2025 11:39	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	02/28/2025 11:39	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	02/28/2025 11:39	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	02/28/2025 11:39	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	02/28/2025 11:39	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	02/28/2025 11:39	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	02/28/2025 11:39	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	02/28/2025 11:39	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	02/28/2025 11:39	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		137.1	%REC	1	02/28/2025 11:39	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		73.2	%REC	1	02/28/2025 11:39	235329
Surr: 2-Fluorophenol	*	0	30-130		72.5	%REC	1	02/28/2025 11:39	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		71.2	%REC	1	02/28/2025 11:39	235329
Surr: Phenol-d5	*	0	20.5-122		54.4	%REC	1	02/28/2025 11:39	235329
Surr: p-Terphenyl-d14	*	0	44-147		93.4	%REC	1	02/28/2025 11:39	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 1:45	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 1:45	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 1:45	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 1:45	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 1:45	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 1:45	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 1:45	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 1:45	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.0	J	0.31	µg/L	1	02/28/2025 1:45	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 1:45	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		94.9	%REC	1	02/28/2025 1:45	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		97.9	%REC	1	02/28/2025 1:45	235361
Surr: Dibromofluoromethane	*	0	80-120		97.7	%REC	1	02/28/2025 1:45	235361
Surr: Toluene-d8	*	0	80-120		101.2	%REC	1	02/28/2025 1:45	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-011

Client Sample ID: GW-19S-WG-20250224

Matrix: GROUNDWATER

Collection Date: 02/24/2025 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 12:17	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	02/28/2025 12:17	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	02/28/2025 12:17	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 12:17	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	02/28/2025 12:17	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	02/28/2025 12:17	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 12:17	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 12:17	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	02/28/2025 12:17	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 12:17	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 12:17	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	02/28/2025 12:17	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	02/28/2025 12:17	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	02/28/2025 12:17	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	02/28/2025 12:17	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	02/28/2025 12:17	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	02/28/2025 12:17	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	02/28/2025 12:17	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	02/28/2025 12:17	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	02/28/2025 12:17	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161	E	135.7	%REC	1	02/28/2025 12:17	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		77.5	%REC	1	02/28/2025 12:17	235329
Surr: 2-Fluorophenol	*	0	30-130		77.9	%REC	1	02/28/2025 12:17	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		76.2	%REC	1	02/28/2025 12:17	235329
Surr: Phenol-d5	*	0	20.5-122		61.0	%REC	1	02/28/2025 12:17	235329
Surr: p-Terphenyl-d14	*	0	44-147		104.9	%REC	1	02/28/2025 12:17	235329
<i>Surrogate recovery is outside the upper quantitation limits, but within the control charts. Results are estimated.</i>									
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 2:10	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 2:10	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 2:10	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 2:10	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 2:10	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 2:10	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 2:10	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 2:10	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 2:10	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 2:10	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		96.3	%REC	1	02/28/2025 2:10	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		98.3	%REC	1	02/28/2025 2:10	235361
Surr: Dibromofluoromethane	*	0	80-120		98.2	%REC	1	02/28/2025 2:10	235361
Surr: Toluene-d8	*	0	80-120		102.0	%REC	1	02/28/2025 2:10	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-012

Client Sample ID: GW-19D-WG-20250224

Matrix: GROUNDWATER

Collection Date: 02/24/2025 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 12:56	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	02/28/2025 12:56	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	02/28/2025 12:56	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 12:56	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	02/28/2025 12:56	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	02/28/2025 12:56	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 12:56	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 12:56	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	02/28/2025 12:56	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 12:56	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 12:56	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	02/28/2025 12:56	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	02/28/2025 12:56	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	02/28/2025 12:56	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	02/28/2025 12:56	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	02/28/2025 12:56	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	02/28/2025 12:56	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	02/28/2025 12:56	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	02/28/2025 12:56	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	02/28/2025 12:56	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		102.9	%REC	1	02/28/2025 12:56	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		78.6	%REC	1	02/28/2025 12:56	235329
Surr: 2-Fluorophenol	*	0	30-130		81.1	%REC	1	02/28/2025 12:56	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		70.9	%REC	1	02/28/2025 12:56	235329
Surr: Phenol-d5	*	0	20.5-122		53.2	%REC	1	02/28/2025 12:56	235329
Surr: p-Terphenyl-d14	*	0	44-147		95.1	%REC	1	02/28/2025 12:56	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 2:35	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 2:35	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 2:35	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 2:35	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 2:35	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 2:35	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 2:35	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 2:35	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 2:35	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 2:35	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		93.4	%REC	1	02/28/2025 2:35	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		95.3	%REC	1	02/28/2025 2:35	235361
Surr: Dibromofluoromethane	*	0	80-120		97.7	%REC	1	02/28/2025 2:35	235361
Surr: Toluene-d8	*	0	80-120		101.4	%REC	1	02/28/2025 2:35	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-013

Client Sample ID: GW-20-WG-20250224

Matrix: GROUNDWATER

Collection Date: 02/24/2025 12:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	03/03/2025 12:38	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	03/03/2025 12:38	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	03/03/2025 12:38	235329
Benzo(a)anthracene	NELAP	1.000070	0.00010	J	0.000072	mg/L	1	03/03/2025 12:38	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		0.000241	mg/L	1	03/03/2025 12:38	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		0.000211	mg/L	1	03/03/2025 12:38	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		0.000238	mg/L	1	03/03/2025 12:38	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	03/03/2025 12:38	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	03/03/2025 12:38	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	03/03/2025 12:38	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	03/03/2025 12:38	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	03/03/2025 12:38	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	03/03/2025 12:38	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	03/03/2025 12:38	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	03/03/2025 12:38	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	03/03/2025 12:38	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	03/03/2025 12:38	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	03/03/2025 12:38	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	03/03/2025 12:38	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	03/03/2025 12:38	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		77.8	%REC	1	03/03/2025 12:38	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		62.4	%REC	1	03/03/2025 12:38	235329
Surr: 2-Fluorophenol	*	0	30-130		82.1	%REC	1	03/03/2025 12:38	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		76.3	%REC	1	03/03/2025 12:38	235329
Surr: Phenol-d5	*	0	20.5-122		74.1	%REC	1	03/03/2025 12:38	235329
Surr: p-Terphenyl-d14	*	0	44-147		79.6	%REC	1	03/03/2025 12:38	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 3:00	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 3:00	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 3:00	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 3:00	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 3:00	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 3:00	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 3:00	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 3:00	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 3:00	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 3:00	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		93.3	%REC	1	02/28/2025 3:00	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		96.5	%REC	1	02/28/2025 3:00	235361
Surr: Dibromofluoromethane	*	0	80-120		98.5	%REC	1	02/28/2025 3:00	235361
Surr: Toluene-d8	*	0	80-120		101.5	%REC	1	02/28/2025 3:00	235361

Client: ERM
 Client Project: Ameren Taylorville 1st Qtr 2025
 Lab ID: 25021909-014
 Matrix: GROUNDWATER

Work Order: 25021909
 Report Date: 05-Mar-25
 Client Sample ID: GW-22S-WG-20250226
 Collection Date: 02/26/2025 8:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 17:26	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	02/28/2025 17:26	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	02/28/2025 17:26	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 17:26	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	02/28/2025 17:26	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	02/28/2025 17:26	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 17:26	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 17:26	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	02/28/2025 17:26	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 17:26	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 17:26	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	02/28/2025 17:26	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	02/28/2025 17:26	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	02/28/2025 17:26	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	02/28/2025 17:26	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	02/28/2025 17:26	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	02/28/2025 17:26	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	02/28/2025 17:26	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	02/28/2025 17:26	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	02/28/2025 17:26	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		135.2	%REC	1	02/28/2025 17:26	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		69.0	%REC	1	02/28/2025 17:26	235329
Surr: 2-Fluorophenol	*	0	30-130		72.3	%REC	1	02/28/2025 17:26	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		63.2	%REC	1	02/28/2025 17:26	235329
Surr: Phenol-d5	*	0	20.5-122		48.4	%REC	1	02/28/2025 17:26	235329
Surr: p-Terphenyl-d14	*	0	44-147		102.4	%REC	1	02/28/2025 17:26	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 3:25	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 3:25	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 3:25	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 3:25	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 3:25	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 3:25	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 3:25	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 3:25	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 3:25	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 3:25	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		93.2	%REC	1	02/28/2025 3:25	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		96.7	%REC	1	02/28/2025 3:25	235361
Surr: Dibromofluoromethane	*	0	80-120		98.5	%REC	1	02/28/2025 3:25	235361
Surr: Toluene-d8	*	0	80-120		101.0	%REC	1	02/28/2025 3:25	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-015

Client Sample ID: GW-22D-WG-20250226

Matrix: GROUNDWATER

Collection Date: 02/26/2025 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 18:05	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	02/28/2025 18:05	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	02/28/2025 18:05	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 18:05	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	02/28/2025 18:05	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	02/28/2025 18:05	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 18:05	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 18:05	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	02/28/2025 18:05	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 18:05	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 18:05	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	02/28/2025 18:05	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	02/28/2025 18:05	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	02/28/2025 18:05	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	02/28/2025 18:05	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	02/28/2025 18:05	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	02/28/2025 18:05	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	02/28/2025 18:05	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	02/28/2025 18:05	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	02/28/2025 18:05	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		112.0	%REC	1	02/28/2025 18:05	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		67.4	%REC	1	02/28/2025 18:05	235329
Surr: 2-Fluorophenol	*	0	30-130		71.0	%REC	1	02/28/2025 18:05	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		61.2	%REC	1	02/28/2025 18:05	235329
Surr: Phenol-d5	*	0	20.5-122		46.0	%REC	1	02/28/2025 18:05	235329
Surr: p-Terphenyl-d14	*	0	44-147		82.2	%REC	1	02/28/2025 18:05	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 3:50	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 3:50	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 3:50	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 3:50	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 3:50	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 3:50	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 3:50	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 3:50	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 3:50	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 3:50	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		97.3	%REC	1	02/28/2025 3:50	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		98.9	%REC	1	02/28/2025 3:50	235361
Surr: Dibromofluoromethane	*	0	80-120		98.6	%REC	1	02/28/2025 3:50	235361
Surr: Toluene-d8	*	0	80-120		102.9	%REC	1	02/28/2025 3:50	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-016

Client Sample ID: DUP-001-WG-20250226

Matrix: GROUNDWATER

Collection Date: 02/26/2025 0:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000700	0.00100		0.0317	mg/L	10	03/03/2025 19:07	235329
Acenaphthylene	NELAP	1.000500	0.00100		0.0242	mg/L	10	03/03/2025 19:07	235329
Anthracene	NELAP	0.00200	0.00300		0.00655	mg/L	10	03/03/2025 19:07	235329
Benzo(a)anthracene	NELAP	1.000700	0.00100		0.0175	mg/L	10	03/03/2025 19:07	235329
Benzo(a)pyrene	NELAP	0.00110	0.00200		0.00260	mg/L	10	03/03/2025 19:07	235329
Benzo(b)fluoranthene	NELAP	0.00130	0.00200		0.0237	mg/L	10	03/03/2025 19:07	235329
Benzo(g,h,i)perylene	NELAP	0.00120	0.00200		0.00570	mg/L	10	03/03/2025 19:07	235329
Benzo(k)fluoranthene	NELAP	0.00120	0.00200		0.00792	mg/L	10	03/03/2025 19:07	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.0143	0.0200		ND	mg/L	10	03/03/2025 19:07	235329
Chrysene	NELAP	0.00120	0.00200		0.0395	mg/L	10	03/03/2025 19:07	235329
Dibenzo(a,h)anthracene	NELAP	0.00120	0.00200		0.00294	mg/L	10	03/03/2025 19:07	235329
Di-n-butyl phthalate	NELAP	0.00830	0.100		ND	mg/L	10	03/03/2025 19:07	235329
Fluoranthene	NELAP	0.068	0.075	J	0.068	mg/L	250	03/05/2025 1:23	235329
Fluorene	NELAP	0.0425	0.0500		0.0817	mg/L	250	03/05/2025 1:23	235329
Indeno(1,2,3-cd)pyrene	NELAP	0.00160	0.00200		0.00667	mg/L	10	03/03/2025 19:07	235329
m,p-Cresol	NELAP	0.00590	0.100		ND	mg/L	10	03/03/2025 19:07	235329
Naphthalene	NELAP	0.0400	0.100		0.481	mg/L	250	03/05/2025 1:23	235329
o-Cresol	NELAP	0.00540	0.100		ND	mg/L	10	03/03/2025 19:07	235329
Phenanthrene	NELAP	0.132	0.150		0.206	mg/L	250	03/05/2025 1:23	235329
Pyrene	NELAP	0.0450	0.0500		0.0512	mg/L	250	03/05/2025 1:23	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		93.9	%REC	10	03/03/2025 19:07	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		64.8	%REC	10	03/03/2025 19:07	235329
Surr: 2-Fluorophenol	*	0	30-130		84.2	%REC	10	03/03/2025 19:07	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		80.8	%REC	10	03/03/2025 19:07	235329
Surr: Phenol-d5	*	0	20.5-122		68.6	%REC	10	03/03/2025 19:07	235329
Surr: p-Terphenyl-d14	*	0	44-147		92.6	%REC	10	03/03/2025 19:07	235329

Elevated reporting limit due to sample extract composition.

Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.50	5.00		976	µg/L	10	03/03/2025 12:32	235438
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 4:15	235361
Ethylbenzene	NELAP	1.00	10.0		309	µg/L	10	03/03/2025 12:32	235438
m,p-Xylenes	NELAP	2.20	10.0		64.2	µg/L	10	03/03/2025 12:32	235438
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 4:15	235361
Naphthalene	NELAP	5.70	20.0		1010	µg/L	10	03/03/2025 12:32	235438
o-Xylene	NELAP	0.50	10.0		195	µg/L	10	03/03/2025 12:32	235438
Toluene	NELAP	0.10	2.00		186	µg/L	1	02/28/2025 4:15	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 4:15	235361
Xylenes, Total	NELAP	2.80	20.0		259	µg/L	10	03/03/2025 12:32	235438
Surr: 1,2-Dichloroethane-d4	*	0	80-120		94.9	%REC	1	02/28/2025 4:15	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		92.1	%REC	1	02/28/2025 4:15	235361
Surr: Dibromofluoromethane	*	0	80-120		98.3	%REC	1	02/28/2025 4:15	235361
Surr: Toluene-d8	*	0	80-120		100.6	%REC	1	02/28/2025 4:15	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-017

Client Sample ID: TB-001-WQ-20250226

Matrix: TRIP BLANK

Collection Date: 02/26/2025 14:30

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	02/28/2025 4:40	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 4:40	235361
Ethylbenzene	NELAP	0.10	1.0	J	0.55	µg/L	1	02/28/2025 4:40	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 4:40	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 4:40	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	03/03/2025 9:22	235438
o-Xylene	NELAP	0.05	1.0	J	0.39	µg/L	1	02/28/2025 4:40	235361
Toluene	NELAP	0.10	2.0	J	0.20	µg/L	1	02/28/2025 4:40	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 4:40	235361
Xylenes, Total	NELAP	0.28	2.0	J	0.39	µg/L	1	02/28/2025 4:40	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		93.2	%REC	1	02/28/2025 4:40	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		96.5	%REC	1	02/28/2025 4:40	235361
Surr: Dibromofluoromethane	*	0	80-120		97.5	%REC	1	02/28/2025 4:40	235361
Surr: Toluene-d8	*	0	80-120		103.2	%REC	1	02/28/2025 4:40	235361

Client: ERM
 Client Project: Ameren Taylorville 1st Qtr 2025
 Lab ID: 25021909-018
 Matrix: GROUNDWATER

Work Order: 25021909
 Report Date: 05-Mar-25
 Client Sample ID: DUP-002-WG-20250226
 Collection Date: 02/26/2025 0:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	03/05/2025 12:43	235466
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	03/05/2025 12:43	235466
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	03/05/2025 12:43	235466
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	03/05/2025 12:43	235466
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	03/05/2025 12:43	235466
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	03/05/2025 12:43	235466
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	03/05/2025 12:43	235466
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	03/05/2025 12:43	235466
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		0.00249	mg/L	1	03/05/2025 12:43	235466
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	03/05/2025 12:43	235466
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	03/05/2025 12:43	235466
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	03/05/2025 12:43	235466
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	03/05/2025 12:43	235466
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	03/05/2025 12:43	235466
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	03/05/2025 12:43	235466
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	03/05/2025 12:43	235466
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	03/05/2025 12:43	235466
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	03/05/2025 12:43	235466
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	03/05/2025 12:43	235466
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	03/05/2025 12:43	235466
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		96.4	%REC	1	03/05/2025 12:43	235466
Surr: 2-Fluorobiphenyl	*	0	37.7-123		68.8	%REC	1	03/05/2025 12:43	235466
Surr: 2-Fluorophenol	*	0	30-130		75.8	%REC	1	03/05/2025 12:43	235466
Surr: Nitrobenzene-d5	*	0	40.7-126		71.8	%REC	1	03/05/2025 12:43	235466
Surr: Phenol-d5	*	0	20.5-122		58.8	%REC	1	03/05/2025 12:43	235466
Surr: p-Terphenyl-d14	*	0	44-147		82.2	%REC	1	03/05/2025 12:43	235466
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 5:05	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 5:05	235361
Ethylbenzene	NELAP	0.10	1.0	J	0.13	µg/L	1	02/28/2025 5:05	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 5:05	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 5:05	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	03/03/2025 9:46	235438
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 5:05	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 5:05	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 5:05	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 5:05	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		93.4	%REC	1	02/28/2025 5:05	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		96.7	%REC	1	02/28/2025 5:05	235361
Surr: Dibromofluoromethane	*	0	80-120		97.6	%REC	1	02/28/2025 5:05	235361
Surr: Toluene-d8	*	0	80-120		103.1	%REC	1	02/28/2025 5:05	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-019

Client Sample ID: GW-25-WG-20250225

Matrix: GROUNDWATER

Collection Date: 02/25/2025 15:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100	S	ND	mg/L	1	02/28/2025 15:30	235329
Acenaphthylene	NELAP	1.000050	0.000100	S	ND	mg/L	1	02/28/2025 15:30	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	02/28/2025 15:30	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 15:30	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	02/28/2025 15:30	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	02/28/2025 15:30	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 15:30	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 15:30	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	02/28/2025 15:30	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 15:30	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 15:30	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	02/28/2025 15:30	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	02/28/2025 15:30	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	02/28/2025 15:30	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	02/28/2025 15:30	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	02/28/2025 15:30	235329
Naphthalene	NELAP	1.000160	0.000400	S	ND	mg/L	1	02/28/2025 15:30	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	02/28/2025 15:30	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	02/28/2025 15:30	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	02/28/2025 15:30	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		111.8	%REC	1	02/28/2025 15:30	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		72.3	%REC	1	02/28/2025 15:30	235329
Surr: 2-Fluorophenol	*	0	30-130		79.0	%REC	1	02/28/2025 15:30	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		67.8	%REC	1	02/28/2025 15:30	235329
Surr: Phenol-d5	*	0	20.5-122		51.7	%REC	1	02/28/2025 15:30	235329
Surr: p-Terphenyl-d14	*	0	44-147		91.9	%REC	1	02/28/2025 15:30	235329
<i>Matrix spike did not recover within control limits due to matrix interference.</i>									
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 5:30	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 5:30	235361
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 5:30	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 5:30	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 5:30	235361
Naphthalene	NELAP	0.57	2.0	J	1.1	µg/L	1	02/28/2025 5:30	235361
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 5:30	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 5:30	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 5:30	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 5:30	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		93.6	%REC	1	02/28/2025 5:30	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		96.7	%REC	1	02/28/2025 5:30	235361
Surr: Dibromofluoromethane	*	0	80-120		97.2	%REC	1	02/28/2025 5:30	235361
Surr: Toluene-d8	*	0	80-120		102.5	%REC	1	02/28/2025 5:30	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-020

Client Sample ID: GW-26-WG-20250225

Matrix: GROUNDWATER

Collection Date: 02/25/2025 10:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.00010	J	0.000080	mg/L	1	03/01/2025 19:55	235329
Acenaphthylene	NELAP	1.000050	0.000100		0.000124	mg/L	1	03/01/2025 19:55	235329
Anthracene	NELAP	0.00020	0.00030	J	0.00024	mg/L	1	03/01/2025 19:55	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		0.000133	mg/L	1	03/01/2025 19:55	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	03/01/2025 19:55	235329
Benzo(b)fluoranthene	NELAP	0.00013	0.00020	J	0.00014	mg/L	1	03/01/2025 19:55	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 19:55	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 19:55	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	03/01/2025 19:55	235329
Chrysene	NELAP	1.000120	0.000200		0.000274	mg/L	1	03/01/2025 19:55	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	03/01/2025 19:55	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	03/01/2025 19:55	235329
Fluoranthene	NELAP	1.000270	0.000300		0.000584	mg/L	1	03/01/2025 19:55	235329
Fluorene	NELAP	1.000170	0.000200		0.000318	mg/L	1	03/01/2025 19:55	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	03/01/2025 19:55	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	03/01/2025 19:55	235329
Naphthalene	NELAP	1.000160	0.000400		0.000576	mg/L	1	03/01/2025 19:55	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	03/01/2025 19:55	235329
Phenanthrene	NELAP	1.000530	0.000600		0.00107	mg/L	1	03/01/2025 19:55	235329
Pyrene	NELAP	1.000180	0.000200		0.000415	mg/L	1	03/01/2025 19:55	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		106.0	%REC	1	03/01/2025 19:55	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		75.9	%REC	1	03/01/2025 19:55	235329
Surr: 2-Fluorophenol	*	0	30-130		71.1	%REC	1	03/01/2025 19:55	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		64.2	%REC	1	03/01/2025 19:55	235329
Surr: Phenol-d5	*	0	20.5-122		46.6	%REC	1	03/01/2025 19:55	235329
Surr: p-Terphenyl-d14	*	0	44-147		89.1	%REC	1	03/01/2025 19:55	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 6:45	235361
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 6:45	235361
Ethylbenzene	NELAP	0.10	1.0	J	0.15	µg/L	1	02/28/2025 6:45	235361
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 6:45	235361
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 6:45	235361
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 6:45	235361
o-Xylene	NELAP	0.05	1.0	J	0.15	µg/L	1	02/28/2025 6:45	235361
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 6:45	235361
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 6:45	235361
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 6:45	235361
Surr: 1,2-Dichloroethane-d4	*	0	80-120		92.6	%REC	1	02/28/2025 6:45	235361
Surr: 4-Bromofluorobenzene	*	0	80-120		94.4	%REC	1	02/28/2025 6:45	235361
Surr: Dibromofluoromethane	*	0	80-120		97.8	%REC	1	02/28/2025 6:45	235361
Surr: Toluene-d8	*	0	80-120		100.9	%REC	1	02/28/2025 6:45	235361

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-021

Client Sample ID: EQB-001-WQ-20250224

Matrix: AQUEOUS

Collection Date: 02/24/2025 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.000070	0.000100		ND	mg/L	1	02/28/2025 14:13	235329
Acenaphthylene	NELAP	0.000050	0.000100		ND	mg/L	1	02/28/2025 14:13	235329
Anthracene	NELAP	0.000200	0.000300		ND	mg/L	1	02/28/2025 14:13	235329
Benzo(a)anthracene	NELAP	0.000070	0.000100		ND	mg/L	1	02/28/2025 14:13	235329
Benzo(a)pyrene	NELAP	0.000110	0.000200		ND	mg/L	1	02/28/2025 14:13	235329
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		ND	mg/L	1	02/28/2025 14:13	235329
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		ND	mg/L	1	02/28/2025 14:13	235329
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		ND	mg/L	1	02/28/2025 14:13	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	02/28/2025 14:13	235329
Chrysene	NELAP	0.000120	0.000200		ND	mg/L	1	02/28/2025 14:13	235329
Dibenzo(a,h)anthracene	NELAP	0.000120	0.000200		ND	mg/L	1	02/28/2025 14:13	235329
Di-n-butyl phthalate	NELAP	0.000830	0.0100		ND	mg/L	1	02/28/2025 14:13	235329
Fluoranthene	NELAP	0.000270	0.000300		ND	mg/L	1	02/28/2025 14:13	235329
Fluorene	NELAP	0.000170	0.000200		ND	mg/L	1	02/28/2025 14:13	235329
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		ND	mg/L	1	02/28/2025 14:13	235329
m,p-Cresol	NELAP	0.000590	0.0100		ND	mg/L	1	02/28/2025 14:13	235329
Naphthalene	NELAP	0.000160	0.000400		ND	mg/L	1	02/28/2025 14:13	235329
o-Cresol	NELAP	0.000540	0.0100		ND	mg/L	1	02/28/2025 14:13	235329
Phenanthrene	NELAP	0.000530	0.000600		ND	mg/L	1	02/28/2025 14:13	235329
Pyrene	NELAP	0.000180	0.000200		ND	mg/L	1	02/28/2025 14:13	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		136.5	%REC	1	02/28/2025 14:13	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		65.2	%REC	1	02/28/2025 14:13	235329
Surr: 2-Fluorophenol	*	0	30-130		81.9	%REC	1	02/28/2025 14:13	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		69.3	%REC	1	02/28/2025 14:13	235329
Surr: Phenol-d5	*	0	20.5-122		55.0	%REC	1	02/28/2025 14:13	235329
Surr: p-Terphenyl-d14	*	0	44-147		111.8	%REC	1	02/28/2025 14:13	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 10:04	235384
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 10:04	235384
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 10:04	235384
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 10:04	235384
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 10:04	235384
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 10:04	235384
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 10:04	235384
Toluene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 10:04	235384
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 10:04	235384
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 10:04	235384
Surr: 1,2-Dichloroethane-d4	*	0	80-120		101.4	%REC	1	02/28/2025 10:04	235384
Surr: 4-Bromofluorobenzene	*	0	80-120		102.8	%REC	1	02/28/2025 10:04	235384
Surr: Dibromofluoromethane	*	0	80-120		98.7	%REC	1	02/28/2025 10:04	235384
Surr: Toluene-d8	*	0	80-120		102.0	%REC	1	02/28/2025 10:04	235384

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Lab ID: 25021909-022

Client Sample ID: GW-20FF-WG-20250224

Matrix: GROUNDWATER

Collection Date: 02/24/2025 12:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 14:52	235329
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	02/28/2025 14:52	235329
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	02/28/2025 14:52	235329
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	02/28/2025 14:52	235329
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	02/28/2025 14:52	235329
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	02/28/2025 14:52	235329
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 14:52	235329
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 14:52	235329
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	02/28/2025 14:52	235329
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 14:52	235329
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	02/28/2025 14:52	235329
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	02/28/2025 14:52	235329
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	02/28/2025 14:52	235329
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	02/28/2025 14:52	235329
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	02/28/2025 14:52	235329
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	02/28/2025 14:52	235329
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	02/28/2025 14:52	235329
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	02/28/2025 14:52	235329
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	02/28/2025 14:52	235329
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	02/28/2025 14:52	235329
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		140.5	%REC	1	02/28/2025 14:52	235329
Surr: 2-Fluorobiphenyl	*	0	37.7-123		77.5	%REC	1	02/28/2025 14:52	235329
Surr: 2-Fluorophenol	*	0	30-130		88.3	%REC	1	02/28/2025 14:52	235329
Surr: Nitrobenzene-d5	*	0	40.7-126		70.3	%REC	1	02/28/2025 14:52	235329
Surr: Phenol-d5	*	0	20.5-122		59.8	%REC	1	02/28/2025 14:52	235329
Surr: p-Terphenyl-d14	*	0	44-147		101.3	%REC	1	02/28/2025 14:52	235329
<i>Allowable Marginal Exceedance of m,p-Cresol in the laboratory control sample is verified per the TNI Standard.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	02/28/2025 10:28	235384
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	02/28/2025 10:28	235384
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	02/28/2025 10:28	235384
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	02/28/2025 10:28	235384
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	02/28/2025 10:28	235384
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	02/28/2025 10:28	235384
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	02/28/2025 10:28	235384
Toluene	NELAP	0.10	2.0	J	0.13	µg/L	1	02/28/2025 10:28	235384
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	02/28/2025 10:28	235384
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	02/28/2025 10:28	235384
Surr: 1,2-Dichloroethane-d4	*	0	80-120		102.4	%REC	1	02/28/2025 10:28	235384
Surr: 4-Bromofluorobenzene	*	0	80-120		101.8	%REC	1	02/28/2025 10:28	235384
Surr: Dibromofluoromethane	*	0	80-120		100.4	%REC	1	02/28/2025 10:28	235384
Surr: Toluene-d8	*	0	80-120		101.0	%REC	1	02/28/2025 10:28	235384

Client: ERM**Work Order:** 25021909**Client Project:** Ameren Taylorville 1st Qtr 2025**Report Date:** 05-Mar-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
25021909-001	GW-04R-WG-20250226	Groundwater	2	02/26/2025 12:10
25021909-002	GW-05-WG-20250225	Groundwater	2	02/25/2025 9:30
25021909-003	GW-07-WG-20250225	Groundwater	2	02/25/2025 11:40
25021909-004	GW-14-WG-20250225	Groundwater	2	02/25/2025 17:00
25021909-005	GW-15-WG-20250226	Groundwater	2	02/26/2025 11:50
25021909-006	GW-16S-WG-20250225	Groundwater	2	02/25/2025 14:00
25021909-007	GW-16D-WG-20250225	Groundwater	2	02/25/2025 13:25
25021909-008	GW-17-WG-20250225	Groundwater	2	02/25/2025 14:40
25021909-009	GW-18S-WG-20250224	Groundwater	2	02/24/2025 15:55
25021909-010	GW-18D-WG-20250224	Groundwater	2	02/24/2025 15:30
25021909-011	GW-19S-WG-20250224	Groundwater	2	02/24/2025 14:10
25021909-012	GW-19D-WG-20250224	Groundwater	2	02/24/2025 13:40
25021909-013	GW-20-WG-20250224	Groundwater	2	02/24/2025 12:25
25021909-014	GW-22S-WG-20250226	Groundwater	2	02/26/2025 8:40
25021909-015	GW-22D-WG-20250226	Groundwater	2	02/26/2025 10:15
25021909-016	DUP-001-WG-20250226	Groundwater	2	02/26/2025 0:01
25021909-017	TB-001-WQ-20250226	Trip Blank	1	02/26/2025 14:30
25021909-018	DUP-002-WG-20250226	Groundwater	2	02/26/2025 0:02
25021909-019	GW-25-WG-20250225	Groundwater	2	02/25/2025 15:20
25021909-020	GW-26-WG-20250225	Groundwater	2	02/25/2025 10:05
25021909-021	EQB-001-WQ-20250224	Aqueous	2	02/24/2025 12:00
25021909-022	GW-20FF-WG-20250224	Groundwater	2	02/24/2025 12:25

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
25021909-001A	GW-04R-WG-20250226	02/26/2025 12:10	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	03/03/2025 18:28
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	03/05/2025 0:45
25021909-001B	GW-04R-WG-20250226	02/26/2025 12:10	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/27/2025 9:35
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/27/2025 22:00
25021909-002A	GW-05-WG-20250225	02/25/2025 9:30	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	03/01/2025 16:41
25021909-002B	GW-05-WG-20250225	02/25/2025 9:30	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/27/2025 10:01
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/27/2025 22:25
25021909-003A	GW-07-WG-20250225	02/25/2025 11:40	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	03/01/2025 17:20
25021909-003B	GW-07-WG-20250225	02/25/2025 11:40	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/27/2025 10:28
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/27/2025 22:50
25021909-004A	GW-14-WG-20250225	02/25/2025 17:00	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	03/01/2025 17:58
25021909-004B	GW-14-WG-20250225	02/25/2025 17:00	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/27/2025 10:54
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/27/2025 23:15
25021909-005A	GW-15-WG-20250226	02/26/2025 11:50	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	03/01/2025 18:37
25021909-005B	GW-15-WG-20250226	02/26/2025 11:50	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/27/2025 23:40
25021909-006A	GW-16S-WG-20250225	02/25/2025 14:00	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	03/01/2025 19:16
25021909-006B	GW-16S-WG-20250225	02/25/2025 14:00	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 0:05
25021909-007A	GW-16D-WG-20250225	02/25/2025 13:25	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	02/28/2025 19:22
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	03/03/2025 13:17
25021909-007B	GW-16D-WG-20250225	02/25/2025 13:25	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 0:30
25021909-008A	GW-17-WG-20250225	02/25/2025 14:40	02/26/2025 14:30		

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	02/28/2025 18:43
25021909-008B	GW-17-WG-20250225	02/25/2025 14:40	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 0:55
25021909-009A	GW-18S-WG-20250224	02/24/2025 15:55	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/27/2025 16:00	02/28/2025 11:00
25021909-009B	GW-18S-WG-20250224	02/24/2025 15:55	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 1:20
25021909-010A	GW-18D-WG-20250224	02/24/2025 15:30	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/27/2025 16:00	02/28/2025 11:39
25021909-010B	GW-18D-WG-20250224	02/24/2025 15:30	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 1:45
25021909-011A	GW-19S-WG-20250224	02/24/2025 14:10	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/27/2025 16:00	02/28/2025 12:17
25021909-011B	GW-19S-WG-20250224	02/24/2025 14:10	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 2:10
25021909-012A	GW-19D-WG-20250224	02/24/2025 13:40	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/27/2025 16:00	02/28/2025 12:56
25021909-012B	GW-19D-WG-20250224	02/24/2025 13:40	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 2:35
25021909-013A	GW-20-WG-20250224	02/24/2025 12:25	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/27/2025 16:00	03/03/2025 12:38
25021909-013B	GW-20-WG-20250224	02/24/2025 12:25	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 3:00
25021909-014A	GW-22S-WG-20250226	02/26/2025 8:40	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	02/28/2025 17:26
25021909-014B	GW-22S-WG-20250226	02/26/2025 8:40	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 3:25
25021909-015A	GW-22D-WG-20250226	02/26/2025 10:15	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	02/28/2025 18:05
25021909-015B	GW-22D-WG-20250226	02/26/2025 10:15	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 3:50
25021909-016A	DUP-001-WG-20250226	02/26/2025 0:01	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	03/03/2025 19:07
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	03/05/2025 1:23
25021909-016B	DUP-001-WG-20250226	02/26/2025 0:01	02/26/2025 14:30		

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 4:15
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				03/03/2025 12:32
25021909-017A	TB-001-WQ-20250226	02/26/2025 14:30	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 4:40
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				03/03/2025 9:22
25021909-018A	DUP-002-WG-20250226	02/26/2025 0:02	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			03/03/2025 16:30	03/05/2025 12:43
25021909-018B	DUP-002-WG-20250226	02/26/2025 0:02	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 5:05
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				03/03/2025 9:46
25021909-019A	GW-25-WG-20250225	02/25/2025 15:20	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/27/2025 16:00	02/28/2025 15:30
25021909-019B	GW-25-WG-20250225	02/25/2025 15:20	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 5:30
25021909-020A	GW-26-WG-20250225	02/25/2025 10:05	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/28/2025 7:59	03/01/2025 19:55
25021909-020B	GW-26-WG-20250225	02/25/2025 10:05	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 6:45
25021909-021A	EQB-001-WQ-20250224	02/24/2025 12:00	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/27/2025 16:00	02/28/2025 14:13
25021909-021B	EQB-001-WQ-20250224	02/24/2025 12:00	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 10:04
25021909-022A	GW-20FF-WG-20250224	02/24/2025 12:25	02/26/2025 14:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/27/2025 16:00	02/28/2025 14:52
25021909-022B	GW-20FF-WG-20250224	02/24/2025 12:25	02/26/2025 14:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/28/2025 10:28



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235329 SampType: MBLK Units mg/L

SampleID: MBLK-235329

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		ND						02/28/2025
Acenaphthylene		0.000100		ND						02/28/2025
Anthracene		0.000300		ND						02/28/2025
Benzo(a)anthracene		0.000100		ND						02/28/2025
Benzo(a)pyrene		0.000200		ND						02/28/2025
Benzo(b)fluoranthene		0.000200		ND						02/28/2025
Benzo(g,h,i)perylene		0.000200		ND						02/28/2025
Benzo(k)fluoranthene		0.000200		ND						02/28/2025
Bis(2-ethylhexyl)phthalate		0.00600		ND						02/28/2025
Chrysene		0.000200		ND						02/28/2025
Dibenzo(a,h)anthracene		0.000200		ND						02/28/2025
Di-n-butyl phthalate		0.0100		ND						02/28/2025
Fluoranthene		0.000300		ND						02/28/2025
Fluorene		0.000200		ND						02/28/2025
Indeno(1,2,3-cd)pyrene		0.000200		ND						02/28/2025
m,p-Cresol		0.0100		ND						02/28/2025
Naphthalene		0.000400		ND						02/28/2025
o-Cresol		0.0100		ND						02/28/2025
Phenanthrene		0.000600		ND						02/28/2025
Pyrene		0.000200		ND						02/28/2025
Surr: 2,4,6-Tribromophenol	*			0.00220	0.0020		110.0	51.4	179	02/28/2025
Surr: 2-Fluorobiphenyl	*			0.000625	0.0010		62.5	50.8	123	02/28/2025
Surr: 2-Fluorophenol	*			0.00139	0.0020		69.5	38.9	149	02/28/2025
Surr: Nitrobenzene-d5	*			0.000702	0.0010		70.2	59.5	116	02/28/2025
Surr: Phenol-d5	*			0.00101	0.0020		50.7	25.9	136	02/28/2025
Surr: p-Terphenyl-d14	*			0.000823	0.0010		82.3	65.8	144	02/28/2025

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235329		SampType: LCS		Units mg/L							Date Analyzed
SampleID: LCS-235329											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene		0.000100		0.00127	0.0020	0	63.7	51.5	111		
Acenaphthylene		0.000100		0.00128	0.0020	0	64.2	51.1	116		
Anthracene		0.000300		0.00153	0.0020	0	76.7	52.6	117		
Benzo(a)anthracene		0.000100		0.00164	0.0020	0	82.0	44.4	130		
Benzo(a)pyrene		0.000200		0.00166	0.0020	0	83.1	56.6	128		
Benzo(b)fluoranthene		0.000200		0.00156	0.0020	0	77.8	40.9	146		
Benzo(g,h,i)perylene		0.000200		0.00169	0.0020	0	84.5	44.8	139		
Benzo(k)fluoranthene		0.000200		0.00158	0.0020	0	79.0	50	125		
Bis(2-ethylhexyl)phthalate		0.00600	J	0.0023	0.0020	0	113.6	49.6	197		
Chrysene		0.000200		0.00174	0.0020	0	87.0	49	124		
Dibenzo(a,h)anthracene		0.000200		0.00179	0.0020	0	89.6	46.6	141		
Di-n-butyl phthalate		0.0100	J	0.0020	0.0020	0	97.8	55.2	145		
Fluoranthene		0.000300		0.00168	0.0020	0	84.2	54.6	125		
Fluorene		0.000200		0.00151	0.0020	0	75.6	54.4	116		
Indeno(1,2,3-cd)pyrene		0.000200		0.00186	0.0020	0	92.8	47.7	145		
m,p-Cresol		0.0100	S	0.0122	0.0200	0	61.2	61.4	105		
Naphthalene		0.000400		0.00117	0.0020	0	58.7	48.9	112		
o-Cresol		0.0100		0.0122	0.0200	0	60.9	60.1	105		
Phenanthrene		0.000600		0.00157	0.0020	0	78.3	54.6	126		
Pyrene		0.000200		0.00165	0.0020	0	82.6	51.6	123		
Surr: 2,4,6-Tribromophenol	*			0.00223	0.0020		111.6	51.4	179		
Surr: 2-Fluorobiphenyl	*			0.000761	0.0010		76.1	50.8	123		
Surr: 2-Fluorophenol	*			0.00146	0.0020		73.0	38.9	149		
Surr: Nitrobenzene-d5	*			0.000752	0.0010		75.2	59.5	116		
Surr: Phenol-d5	*			0.00131	0.0020		65.4	25.9	136		
Surr: p-Terphenyl-d14	*			0.000881	0.0010		88.1	65.8	144		

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235329		SampType: LCSD		Units mg/L		RPD Limit 34.5				
SampleID: LCSD-235329										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		0.00128	0.0020	0	63.8	0.001274	0.10	02/28/2025
Acenaphthylene		0.000100		0.00134	0.0020	0	66.9	0.001284	4.11	02/28/2025
Anthracene		0.000300		0.00145	0.0020	0	72.5	0.001534	5.67	02/28/2025
Benzo(a)anthracene		0.000100		0.00162	0.0020	0	81.0	0.001641	1.25	02/28/2025
Benzo(a)pyrene		0.000200		0.00166	0.0020	0	83.1	0.001663	0.07	02/28/2025
Benzo(b)fluoranthene		0.000200		0.00158	0.0020	0	78.8	0.001557	1.21	02/28/2025
Benzo(g,h,i)perylene		0.000200		0.00164	0.0020	0	82.0	0.001689	3.00	02/28/2025
Benzo(k)fluoranthene		0.000200		0.00166	0.0020	0	83.1	0.001580	5.03	02/28/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	0.0022	0.0020	0	109.7	0.002272	0.00	02/28/2025
Chrysene		0.000200		0.00172	0.0020	0	85.9	0.001740	1.27	02/28/2025
Dibenzo(a,h)anthracene		0.000200		0.00181	0.0020	0	90.5	0.001792	0.96	02/28/2025
Di-n-butyl phthalate		0.0100	J	0.0020	0.0020	0	98.9	0.001956	0.00	02/28/2025
Fluoranthene		0.000300		0.00164	0.0020	0	82.0	0.001684	2.59	02/28/2025
Fluorene		0.000200		0.00144	0.0020	0	72.0	0.001511	4.87	02/28/2025
Indeno(1,2,3-cd)pyrene		0.000200		0.00178	0.0020	0	89.0	0.001857	4.22	02/28/2025
m,p-Cresol		0.0100		0.0128	0.0200	0	64.0	0.01223	4.54	02/28/2025
Naphthalene		0.000400		0.00117	0.0020	0	58.5	0.001174	0.29	02/28/2025
o-Cresol		0.0100		0.0128	0.0200	0	63.8	0.01218	4.54	02/28/2025
Phenanthrene		0.000600		0.00147	0.0020	0	73.4	0.001566	6.45	02/28/2025
Pyrene		0.000200		0.00161	0.0020	0	80.5	0.001652	2.61	02/28/2025
Surr: 2,4,6-Tribromophenol	*			0.00205	0.0020		102.6			02/28/2025
Surr: 2-Fluorobiphenyl	*			0.000747	0.0010		74.7			02/28/2025
Surr: 2-Fluorophenol	*			0.00154	0.0020		76.9			02/28/2025
Surr: Nitrobenzene-d5	*			0.000746	0.0010		74.6			02/28/2025
Surr: Phenol-d5	*			0.00131	0.0020		65.6			02/28/2025
Surr: p-Terphenyl-d14	*			0.000837	0.0010		83.7			02/28/2025

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235329		SampType: MS		Units mg/L							Date Analyzed
SampID: 25021909-019AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene		0.000100	S	0.00117	0.0020	0	58.6	62.7	99	02/28/2025	
Acenaphthylene		0.000100	S	0.00126	0.0020	0	63.2	65.3	112	02/28/2025	
Anthracene		0.000300		0.00141	0.0020	0	70.7	58.5	108	02/28/2025	
Benzo(a)anthracene		0.000100		0.00163	0.0020	0	81.5	64	108	02/28/2025	
Benzo(a)pyrene		0.000200		0.00165	0.0020	0	82.7	58.5	117	02/28/2025	
Benzo(b)fluoranthene		0.000200		0.00157	0.0020	0	78.4	58	125	02/28/2025	
Benzo(g,h,i)perylene		0.000200		0.00165	0.0020	0	82.7	62.2	120	02/28/2025	
Benzo(k)fluoranthene		0.000200		0.00170	0.0020	0	85.0	61.3	111	02/28/2025	
Bis(2-ethylhexyl)phthalate		0.00600	J	0.0024	0.0020	0	122.6	80.2	167	02/28/2025	
Chrysene		0.000200		0.00180	0.0020	0	89.8	57.1	113	02/28/2025	
Dibenzo(a,h)anthracene		0.000200		0.00180	0.0020	0	90.1	62.4	136	02/28/2025	
Di-n-butyl phthalate		0.0100	J	0.0021	0.0020	0	105.7	70.4	123	02/28/2025	
Fluoranthene		0.000300		0.00167	0.0020	0	83.4	61.7	113	02/28/2025	
Fluorene		0.000200		0.00134	0.0020	0	67.0	59.7	107	02/28/2025	
Indeno(1,2,3-cd)pyrene		0.000200		0.00175	0.0020	0	87.6	63.8	130	02/28/2025	
m,p-Cresol		0.0100		0.0135	0.0200	0	67.3	60	109	02/28/2025	
Naphthalene		0.000400	S	0.00108	0.0020	0	54.1	60.6	101	02/28/2025	
o-Cresol		0.0100		0.0137	0.0200	0	68.6	57.4	108	02/28/2025	
Phenanthrene		0.000600		0.00141	0.0020	0	70.7	57.9	117	02/28/2025	
Pyrene		0.000200		0.00162	0.0020	0	80.8	53.7	107	02/28/2025	
Surr: 2,4,6-Tribromophenol	*			0.00228	0.0020		113.8	31.7	161	02/28/2025	
Surr: 2-Fluorobiphenyl	*			0.000795	0.0010		79.5	37.7	123	02/28/2025	
Surr: 2-Fluorophenol	*			0.00156	0.0020		78.2	30	130	02/28/2025	
Surr: Nitrobenzene-d5	*			0.000753	0.0010		75.3	40.7	126	02/28/2025	
Surr: Phenol-d5	*			0.00143	0.0020		71.6	20.5	122	02/28/2025	
Surr: p-Terphenyl-d14	*			0.000953	0.0010		95.3	44	147	02/28/2025	



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch	235329	SampType:	MSD	Units				mg/L	RPD Limit			18.6
SampID: 25021909-019AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Acenaphthene		0.000100		0.00126	0.0020	0	63.2	0.001172	7.47	02/28/2025		
Acenaphthylene		0.000100		0.00140	0.0020	0	69.8	0.001265	9.83	02/28/2025		
Anthracene		0.000300		0.00150	0.0020	0	75.1	0.001413	6.07	02/28/2025		
Benzo(a)anthracene		0.000100		0.00184	0.0020	0	91.8	0.001630	11.90	02/28/2025		
Benzo(a)pyrene		0.000200		0.00187	0.0020	0	93.6	0.001655	12.32	02/28/2025		
Benzo(b)fluoranthene		0.000200		0.00176	0.0020	0	87.8	0.001567	11.32	02/28/2025		
Benzo(g,h,i)perylene		0.000200		0.00187	0.0020	0	93.3	0.001653	12.05	02/28/2025		
Benzo(k)fluoranthene		0.000200		0.00188	0.0020	0	94.1	0.001700	10.11	02/28/2025		
Bis(2-ethylhexyl)phthalate		0.00600	J	0.0027	0.0020	0	135.0	0.002453	0.00	02/28/2025		
Chrysene		0.000200		0.00205	0.0020	0	102.3	0.001797	12.99	02/28/2025		
Dibenzo(a,h)anthracene		0.000200		0.00195	0.0020	0	97.3	0.001803	7.61	02/28/2025		
Di-n-butyl phthalate		0.0100	J	0.0023	0.0020	0	117.0	0.002114	0.00	02/28/2025		
Fluoranthene		0.000300		0.00187	0.0020	0	93.7	0.001668	11.70	02/28/2025		
Fluorene		0.000200		0.00148	0.0020	0	73.8	0.001339	9.71	02/28/2025		
Indeno(1,2,3-cd)pyrene		0.000200		0.00196	0.0020	0	97.9	0.001752	11.11	02/28/2025		
m,p-Cresol		0.0100		0.0154	0.0200	0	77.0	0.01346	13.36	02/28/2025		
Naphthalene		0.000400	S	0.00112	0.0020	0	55.8	0.001083	3.03	02/28/2025		
o-Cresol		0.0100		0.0163	0.0200	0	81.3	0.01372	16.91	02/28/2025		
Phenanthrene		0.000600		0.00155	0.0020	0	77.6	0.001414	9.27	02/28/2025		
Pyrene		0.000200		0.00183	0.0020	0	91.7	0.001615	12.63	02/28/2025		
Surr: 2,4,6-Tribromophenol	*			0.00241	0.0020		120.4			02/28/2025		
Surr: 2-Fluorobiphenyl	*			0.000884	0.0010		88.4			02/28/2025		
Surr: 2-Fluorophenol	*			0.00179	0.0020		89.4			02/28/2025		
Surr: Nitrobenzene-d5	*			0.000850	0.0010		85.0			02/28/2025		
Surr: Phenol-d5	*			0.00164	0.0020		81.9			02/28/2025		
Surr: p-Terphenyl-d14	*			0.00102	0.0010		102.4			02/28/2025		



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235466 SampType: MBLK Units mg/L

SampleID: MBLK-235466

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		ND						03/05/2025
Acenaphthylene		0.000100		ND						03/05/2025
Anthracene		0.000300		ND						03/05/2025
Benzo(a)anthracene		0.000100		ND						03/05/2025
Benzo(a)pyrene		0.000200		ND						03/05/2025
Benzo(b)fluoranthene		0.000200		ND						03/05/2025
Benzo(g,h,i)perylene		0.000200		ND						03/05/2025
Benzo(k)fluoranthene		0.000200		ND						03/05/2025
Bis(2-ethylhexyl)phthalate		0.00600		ND						03/05/2025
Chrysene		0.000200		ND						03/05/2025
Dibenzo(a,h)anthracene		0.000200		ND						03/05/2025
Di-n-butyl phthalate		0.0100		ND						03/05/2025
Fluoranthene		0.000300		ND						03/05/2025
Fluorene		0.000200		ND						03/05/2025
Indeno(1,2,3-cd)pyrene		0.000200		ND						03/05/2025
m,p-Cresol		0.0100		ND						03/05/2025
Naphthalene		0.000400		ND						03/05/2025
o-Cresol		0.0100		ND						03/05/2025
Phenanthrene		0.000600		ND						03/05/2025
Pyrene		0.000200		ND						03/05/2025
Surr: 2,4,6-Tribromophenol	*			0.00230	0.0020		115.2	51.4	179	03/05/2025
Surr: 2-Fluorobiphenyl	*			0.000888	0.0010		88.8	50.8	123	03/05/2025
Surr: 2-Fluorophenol	*			0.00194	0.0020		97.2	38.9	149	03/05/2025
Surr: Nitrobenzene-d5	*			0.000963	0.0010		96.3	59.5	116	03/05/2025
Surr: Phenol-d5	*			0.00142	0.0020		70.8	25.9	136	03/05/2025
Surr: p-Terphenyl-d14	*			0.00106	0.0010		105.9	65.8	144	03/05/2025

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235466		SampType: LCS		Units mg/L							Date Analyzed	
SampID: LCS-235466												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Acenaphthene		0.000100		0.000994	0.0020	0	49.7	34.1	117	03/05/2025		
Acenaphthylene		0.000100		0.00110	0.0020	0	55.0	36.5	118	03/05/2025		
Anthracene		0.000300		0.00154	0.0020	0	77.0	43.4	118	03/05/2025		
Benzo(a)anthracene		0.000100		0.00168	0.0020	0	84.0	39.4	126	03/05/2025		
Benzo(a)pyrene		0.000200		0.00182	0.0020	0	91.0	40.7	132	03/05/2025		
Benzo(b)fluoranthene		0.000200		0.00169	0.0020	0	84.5	46.2	129	03/05/2025		
Benzo(g,h,i)perylene		0.000200		0.00188	0.0020	0	94.0	41.8	125	03/05/2025		
Benzo(k)fluoranthene		0.000200		0.00197	0.0020	0	98.5	45.4	127	03/05/2025		
Bis(2-ethylhexyl)phthalate		0.00600	J	0.0027	0.0020	0	133.0	45	219	03/05/2025		
Chrysene		0.000200		0.00201	0.0020	0	100.5	42.4	128	03/05/2025		
Dibenzo(a,h)anthracene		0.000200		0.00189	0.0020	0	94.4	40.2	139	03/05/2025		
Di-n-butyl phthalate		0.0100	J	0.0022	0.0020	0	107.3	56.6	152	03/05/2025		
Fluoranthene		0.000300		0.00182	0.0020	0	91.2	50.1	126	03/05/2025		
Fluorene		0.000200		0.00124	0.0020	0	62.1	42.4	120	03/05/2025		
Indeno(1,2,3-cd)pyrene		0.000200		0.00208	0.0020	0	104.2	39.4	138	03/05/2025		
m,p-Cresol		0.0100		0.0129	0.0200	0	64.5	53.5	104	03/05/2025		
Naphthalene		0.000400		0.000922	0.0020	0	46.1	25.2	123	03/05/2025		
o-Cresol		0.0100		0.0142	0.0200	0	71.1	56.3	103	03/05/2025		
Phenanthrene		0.000600		0.00147	0.0020	0	73.4	46.6	126	03/05/2025		
Pyrene		0.000200		0.00180	0.0020	0	89.8	47.6	121	03/05/2025		
Surr: 2,4,6-Tribromophenol	*			0.00257	0.0020		128.4	51.4	179	03/05/2025		
Surr: 2-Fluorobiphenyl	*			0.000864	0.0010		86.4	50.8	123	03/05/2025		
Surr: 2-Fluorophenol	*			0.00174	0.0020		86.8	38.9	149	03/05/2025		
Surr: Nitrobenzene-d5	*			0.000864	0.0010		86.4	59.5	116	03/05/2025		
Surr: Phenol-d5	*			0.00147	0.0020		73.7	25.9	136	03/05/2025		
Surr: p-Terphenyl-d14	*			0.00112	0.0010		112.1	65.8	144	03/05/2025		

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235466		SampType: LCSD		Units mg/L		RPD Limit 34.5					Date Analyzed
SampID: LCSD-235466											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Acenaphthene		0.000100		0.00134	0.0020	0	67.1	0.0009939	29.86	03/05/2025	
Acenaphthylene		0.000100		0.00144	0.0020	0	71.9	0.001099	26.74	03/05/2025	
Anthracene		0.000300		0.00162	0.0020	0	81.0	0.001540	5.04	03/05/2025	
Benzo(a)anthracene		0.000100		0.00169	0.0020	0	84.3	0.001680	0.44	03/05/2025	
Benzo(a)pyrene		0.000200		0.00187	0.0020	0	93.5	0.001819	2.70	03/05/2025	
Benzo(b)fluoranthene		0.000200		0.00167	0.0020	0	83.3	0.001691	1.42	03/05/2025	
Benzo(g,h,i)perylene		0.000200		0.00187	0.0020	0	93.3	0.001880	0.79	03/05/2025	
Benzo(k)fluoranthene		0.000200		0.00194	0.0020	0	97.0	0.001970	1.57	03/05/2025	
Bis(2-ethylhexyl)phthalate		0.00600	J	0.0025	0.0020	0	123.2	0.002661	0.00	03/05/2025	
Chrysene		0.000200		0.00197	0.0020	0	98.3	0.002010	2.21	03/05/2025	
Dibenzo(a,h)anthracene		0.000200		0.00200	0.0020	0	99.8	0.001889	5.54	03/05/2025	
Di-n-butyl phthalate		0.0100	J	0.0022	0.0020	0	109.8	0.002146	0.00	03/05/2025	
Fluoranthene		0.000300		0.00182	0.0020	0	91.2	0.001825	0.07	03/05/2025	
Fluorene		0.000200		0.00162	0.0020	0	81.1	0.001243	26.45	03/05/2025	
Indeno(1,2,3-cd)pyrene		0.000200		0.00207	0.0020	0	103.6	0.002084	0.56	03/05/2025	
m,p-Cresol		0.0100		0.0137	0.0200	0	68.6	0.01289	6.24	03/05/2025	
Naphthalene		0.000400		0.00123	0.0020	0	61.6	0.0009218	28.74	03/05/2025	
o-Cresol		0.0100		0.0150	0.0200	0	74.8	0.01421	5.12	03/05/2025	
Phenanthrene		0.000600		0.00167	0.0020	0	83.6	0.001469	12.99	03/05/2025	
Pyrene		0.000200		0.00181	0.0020	0	90.7	0.001796	0.99	03/05/2025	
Surr: 2,4,6-Tribromophenol	*			0.00226	0.0020		113.1			03/05/2025	
Surr: 2-Fluorobiphenyl	*			0.000831	0.0010		83.1			03/05/2025	
Surr: 2-Fluorophenol	*			0.00174	0.0020		87.0			03/05/2025	
Surr: Nitrobenzene-d5	*			0.000860	0.0010		86.0			03/05/2025	
Surr: Phenol-d5	*			0.00148	0.0020		74.0			03/05/2025	
Surr: p-Terphenyl-d14	*			0.000952	0.0010		95.2			03/05/2025	

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235312		SampType: MBLK		Units µg/L							
SampID: MBLK-AE250227A-1											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Benzene		0.5		ND						02/27/2025	
Bromoform		2.0		ND						02/27/2025	
Ethylbenzene		2.0		ND						02/27/2025	
m,p-Xylenes		2.0		ND						02/27/2025	
Methylene chloride		2.0		ND						02/27/2025	
Naphthalene		5.0	J	1.0						02/27/2025	
o-Xylene		2.0		ND						02/27/2025	
Toluene		2.0		ND						02/27/2025	
trans-1,2-Dichloroethene		2.0		ND						02/27/2025	
Xylenes, Total		4.0		ND						02/27/2025	
Surr: 1,2-Dichloroethane-d4	*			48.6	50.00		97.1	80	120	02/27/2025	
Surr: 4-Bromofluorobenzene	*			47.5	50.00		95.0	80	120	02/27/2025	
Surr: Dibromofluoromethane	*			50.7	50.00		101.4	80	120	02/27/2025	
Surr: Toluene-d8	*			49.1	50.00		98.2	80	120	02/27/2025	

Batch 235312		SampType: LCS		Units µg/L						
SampID: LCS-AE250227A-1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		50.9	50.00	0	101.9	81.6	120	02/27/2025
Bromoform		2.0		51.9	50.00	0	103.9	81.5	118	02/27/2025
Ethylbenzene		2.0		49.0	50.00	0	98.1	82.4	116	02/27/2025
m,p-Xylenes		2.0		101	100.0	0	100.5	82.5	117	02/27/2025
Methylene chloride		2.0		44.1	50.00	0	88.2	75.3	122	02/27/2025
Naphthalene		5.0	B	52.0	50.00	0	104.1	71	126	02/27/2025
o-Xylene		2.0		49.4	50.00	0	98.8	83	114	02/27/2025
Toluene		2.0		48.8	50.00	0	97.6	82.3	113	02/27/2025
trans-1,2-Dichloroethene		2.0		49.4	50.00	0	98.8	79.9	124	02/27/2025
Xylenes, Total		4.0		150	150.0	0	99.9	82.7	116	02/27/2025
Surr: 1,2-Dichloroethane-d4	*			46.9	50.00		93.8	80	120	02/27/2025
Surr: 4-Bromofluorobenzene	*			48.7	50.00		97.4	80	120	02/27/2025
Surr: Dibromofluoromethane	*			50.1	50.00		100.2	80	120	02/27/2025
Surr: Toluene-d8	*			48.2	50.00		96.4	80	120	02/27/2025



Quality Control Results

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Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch	235312	SampType:	LCSD	Units µg/L				RPD Limit 20			
SampID: LCSD-AE250227A-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Benzene		0.5		54.7	50.00	0	109.4	50.94	7.08	02/27/2025	
Bromoform		2.0		55.6	50.00	0	111.1	51.93	6.74	02/27/2025	
Ethylbenzene		2.0		52.6	50.00	0	105.2	49.05	7.02	02/27/2025	
m,p-Xylenes		2.0		108	100.0	0	108.1	100.5	7.30	02/27/2025	
Methylene chloride		2.0		47.9	50.00	0	95.8	44.11	8.26	02/27/2025	
Naphthalene		5.0	B	56.2	50.00	0	112.3	52.04	7.63	02/27/2025	
o-Xylene		2.0		52.8	50.00	0	105.7	49.40	6.75	02/27/2025	
Toluene		2.0		52.4	50.00	0	104.8	48.82	7.11	02/27/2025	
trans-1,2-Dichloroethene		2.0		53.5	50.00	0	107.0	49.42	7.93	02/27/2025	
Xylenes, Total		4.0		161	150.0	0	107.3	149.9	7.12	02/27/2025	
Surr: 1,2-Dichloroethane-d4	*			46.1	50.00		92.2			02/27/2025	
Surr: 4-Bromofluorobenzene	*			48.6	50.00		97.1			02/27/2025	
Surr: Dibromofluoromethane	*			49.8	50.00		99.6			02/27/2025	
Surr: Toluene-d8	*			48.2	50.00		96.4			02/27/2025	

Batch	235361	SampType:	MBLK	Units µg/L							
SampID: MBLK-AM250227A-2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Benzene		0.5		ND						02/27/2025	
Bromoform		2.0		ND						02/27/2025	
Ethylbenzene		2.0		ND						02/27/2025	
m,p-Xylenes		2.0		ND						02/27/2025	
Methylene chloride		2.0		ND						02/27/2025	
Naphthalene		5.0		ND						02/27/2025	
o-Xylene		2.0		ND						02/27/2025	
Toluene		2.0		ND						02/27/2025	
trans-1,2-Dichloroethene		2.0		ND						02/27/2025	
Xylenes, Total		4.0		ND						02/27/2025	
Surr: 1,2-Dichloroethane-d4	*			48.2	50.00		96.4	80	120	02/27/2025	
Surr: 4-Bromofluorobenzene	*			50.0	50.00		100.0	80	120	02/27/2025	
Surr: Dibromofluoromethane	*			49.2	50.00		98.4	80	120	02/27/2025	
Surr: Toluene-d8	*			51.3	50.00		102.6	80	120	02/27/2025	

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235361		SampType: LCS		Units µg/L						
SampID: LCS-AM250227A-2										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		47.3	50.00	0	94.6	81.6	120	02/27/2025
Bromoform		2.0		50.0	50.00	0	99.9	81.5	118	02/27/2025
Ethylbenzene		2.0		51.3	50.00	0	102.6	82.4	116	02/27/2025
m,p-Xylenes		2.0		101	100.0	0	100.9	82.5	117	02/27/2025
Methylene chloride		2.0		42.7	50.00	0	85.4	75.3	122	02/27/2025
Naphthalene		5.0		44.0	50.00	0	88.0	71	126	02/27/2025
o-Xylene		2.0		49.8	50.00	0	99.5	83	114	02/27/2025
Toluene		2.0		50.0	50.00	0	100.1	82.3	113	02/27/2025
trans-1,2-Dichloroethene		2.0		45.2	50.00	0	90.3	79.9	124	02/27/2025
Xylenes, Total		4.0		151	150.0	0	100.4	82.7	116	02/27/2025
Surr: 1,2-Dichloroethane-d4	*			46.5	50.00		93.1	80	120	02/27/2025
Surr: 4-Bromofluorobenzene	*			48.0	50.00		96.0	80	120	02/27/2025
Surr: Dibromofluoromethane	*			48.4	50.00		96.7	80	120	02/27/2025
Surr: Toluene-d8	*			51.7	50.00		103.4	80	120	02/27/2025

Batch	235361	SampType:	LCSD	Units µg/L					RPD Limit		20
SampID: LCSD-AM250227A-2											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene			0.5		48.0	50.00	0	95.9	47.30	1.41	02/27/2025
Bromoform			2.0		49.6	50.00	0	99.2	49.97	0.78	02/27/2025
Ethylbenzene			2.0		52.0	50.00	0	104.0	51.30	1.39	02/27/2025
m,p-Xylenes			2.0		102	100.0	0	102.3	100.9	1.40	02/27/2025
Methylene chloride			2.0		44.5	50.00	0	89.0	42.72	4.10	02/27/2025
Naphthalene			5.0		44.4	50.00	0	88.9	44.02	0.95	02/27/2025
o-Xylene			2.0		50.3	50.00	0	100.6	49.77	1.04	02/27/2025
Toluene			2.0		50.9	50.00	0	101.8	50.04	1.68	02/27/2025
trans-1,2-Dichloroethene			2.0		46.9	50.00	0	93.8	45.17	3.74	02/27/2025
Xylenes, Total			4.0		153	150.0	0	101.7	150.6	1.28	02/27/2025
Surr: 1,2-Dichloroethane-d4		*			47.1	50.00		94.3			02/27/2025
Surr: 4-Bromofluorobenzene		*			49.4	50.00		98.7			02/27/2025
Surr: Dibromofluoromethane		*			48.2	50.00		96.5			02/27/2025
Surr: Toluene-d8		*			52.2	50.00		104.4			02/27/2025

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235361		SampType: MS		Units µg/L						
SampID: 25021909-019BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.50		45.2	50.00	0	90.3	74.1	118	02/28/2025
Ethylbenzene		1.00		51.9	50.00	0	103.7	74.8	119	02/28/2025
m,p-Xylenes		1.00		53.7	50.00	0	107.4	77.8	128	02/28/2025
o-Xylene		1.00		51.6	50.00	0	103.3	75.8	118	02/28/2025
Toluene		2.00		50.1	50.00	0	100.3	74.4	115	02/28/2025
Xylenes, Total		2.00		105	100.0	0	105.4	76.8	123	02/28/2025
Surr: 1,2-Dichloroethane-d4	*			46.1	50.00		92.2	80	120	02/28/2025
Surr: 4-Bromofluorobenzene	*			48.4	50.00		96.7	80	120	02/28/2025
Surr: Dibromofluoromethane	*			48.6	50.00		97.2	80	120	02/28/2025
Surr: Toluene-d8	*			50.7	50.00		101.3	80	120	02/28/2025

Batch 235361		SampType: MSD	Units µg/L					RPD Limit 20		
SampID: 25021909-019BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.50		44.0	50.00	0	88.0	45.17	2.58	02/28/2025
Ethylbenzene		1.00		51.2	50.00	0	102.4	51.86	1.28	02/28/2025
m,p-Xylenes		1.00		53.1	50.00	0	106.3	53.72	1.09	02/28/2025
o-Xylene		1.00		51.1	50.00	0	102.3	51.63	0.97	02/28/2025
Toluene		2.00		49.2	50.00	0	98.4	50.14	1.91	02/28/2025
Xylenes, Total		2.00		104	100.0	0	104.3	105.4	1.03	02/28/2025
Surr: 1,2-Dichloroethane-d4	*			46.1	50.00		92.2			02/28/2025
Surr: 4-Bromofluorobenzene	*			47.3	50.00		94.6			02/28/2025
Surr: Dibromofluoromethane	*			49.1	50.00		98.1			02/28/2025
Surr: Toluene-d8	*			50.0	50.00		99.9			02/28/2025



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235384		SampType: MBLK		Units µg/L							
SampID: MBLK-AK250228A-1											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Benzene			0.5		ND						02/28/2025
Bromoform			2.0		ND						02/28/2025
Ethylbenzene			2.0		ND						02/28/2025
m,p-Xylenes			2.0		ND						02/28/2025
Methylene chloride			2.0		ND						02/28/2025
Naphthalene			5.0		ND						02/28/2025
o-Xylene			2.0		ND						02/28/2025
Toluene			2.0		ND						02/28/2025
trans-1,2-Dichloroethene			2.0		ND						02/28/2025
Xylenes, Total			4.0		ND						02/28/2025
Surr: 1,2-Dichloroethane-d4		*			51.1	50.00		102.1	80	120	02/28/2025
Surr: 4-Bromofluorobenzene		*			51.3	50.00		102.7	80	120	02/28/2025
Surr: Dibromofluoromethane		*			49.8	50.00		99.5	80	120	02/28/2025
Surr: Toluene-d8		*			50.6	50.00		101.3	80	120	02/28/2025

Batch 235384	SampType: LCS	Units µg/L								
SampID: LCS-AK250228A-1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		50.2	50.00	0	100.3	81.6	120	02/28/2025
Bromoform		2.0		52.8	50.00	0	105.7	81.5	118	02/28/2025
Ethylbenzene		2.0		50.8	50.00	0	101.6	82.4	116	02/28/2025
m,p-Xylenes		2.0		104	100.0	0	104.4	82.5	117	02/28/2025
Methylene chloride		2.0		51.2	50.00	0	102.5	75.3	122	02/28/2025
Naphthalene		5.0		54.5	50.00	0	109.0	71	126	02/28/2025
o-Xylene		2.0		50.0	50.00	0	100.0	83	114	02/28/2025
Toluene		2.0		50.8	50.00	0	101.5	82.3	113	02/28/2025
trans-1,2-Dichloroethene		2.0		48.4	50.00	0	96.8	79.9	124	02/28/2025
Xylenes, Total		4.0		154	150.0	0	103.0	82.7	116	02/28/2025
Surr: 1,2-Dichloroethane-d4	*			49.5	50.00		99.0	80	120	02/28/2025
Surr: 4-Bromofluorobenzene	*			50.1	50.00		100.3	80	120	02/28/2025
Surr: Dibromofluoromethane	*			49.0	50.00		97.9	80	120	02/28/2025
Surr: Toluene-d8	*			50.4	50.00		100.8	80	120	02/28/2025



Quality Control Results

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Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235384		SampType: LCSD		Units µg/L				RPD Limit 20		
SampID: LCSD-AK250228A-1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		50.6	50.00	0	101.2	50.17	0.87	02/28/2025
Bromoform		2.0		53.2	50.00	0	106.3	52.83	0.62	02/28/2025
Ethylbenzene		2.0		51.0	50.00	0	102.0	50.80	0.37	02/28/2025
m,p-Xylenes		2.0		106	100.0	0	106.2	104.4	1.62	02/28/2025
Methylene chloride		2.0		51.7	50.00	0	103.4	51.25	0.87	02/28/2025
Naphthalene		5.0		52.8	50.00	0	105.5	54.51	3.24	02/28/2025
o-Xylene		2.0		50.8	50.00	0	101.6	50.01	1.55	02/28/2025
Toluene		2.0		50.9	50.00	0	101.8	50.75	0.30	02/28/2025
trans-1,2-Dichloroethene		2.0		49.2	50.00	0	98.3	48.40	1.58	02/28/2025
Xylenes, Total		4.0		157	150.0	0	104.6	154.4	1.60	02/28/2025
Surr: 1,2-Dichloroethane-d4	*			49.6	50.00		99.2			02/28/2025
Surr: 4-Bromofluorobenzene	*			49.7	50.00		99.4			02/28/2025
Surr: Dibromofluoromethane	*			49.4	50.00		98.9			02/28/2025
Surr: Toluene-d8	*			50.1	50.00		100.2			02/28/2025

Batch 235384		SampType: LCS		Units µg/L						
SampID: QCS-AK250228A-1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		50.2	50.00	0	100.3	65	135	02/28/2025
Bromoform		2.0		52.8	50.00	0	105.7	70	130	02/28/2025
Ethylbenzene		2.0		50.8	50.00	0	101.6	60	140	02/28/2025
m,p-Xylenes		2.0		104	100.0	0	104.4	60	140	02/28/2025
Methylene chloride		2.0		51.2	50.00	0	102.5	60	140	02/28/2025
Naphthalene		5.0		54.5	50.00	0	109.0	60	140	02/28/2025
o-Xylene	*	2.0		50.0	50.00	0	100.0	60	140	02/28/2025
Toluene		2.0		50.8	50.00	0	101.5	70	130	02/28/2025
trans-1,2-Dichloroethene		2.0		48.4	50.00	0	96.8	70	130	02/28/2025
Xylenes, Total		4.0		154	150.0	0	103.0	60	140	02/28/2025
Surr: 1,2-Dichloroethane-d4	*			49.5	50.00		99.0	80	120	02/28/2025
Surr: 4-Bromofluorobenzene	*			50.1	50.00		100.3	80	120	02/28/2025
Surr: Dibromofluoromethane	*			49.0	50.00		97.9	80	120	02/28/2025
Surr: Toluene-d8	*			50.4	50.00		100.8	80	120	02/28/2025

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235384		SampType: LCSD		Units µg/L				RPD Limit 40		
SampID: QCSD-AK250228A-1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		50.6	50.00	0	101.2	50.17	0.87	02/28/2025
Bromoform		2.0		53.2	50.00	0	106.3	52.83	0.62	02/28/2025
Ethylbenzene		2.0		51.0	50.00	0	102.0	50.80	0.37	02/28/2025
m,p-Xylenes		2.0		106	100.0	0	106.2	104.4	1.62	02/28/2025
Methylene chloride		2.0		51.7	50.00	0	103.4	51.25	0.87	02/28/2025
Naphthalene		5.0		52.8	50.00	0	105.5	54.51	3.24	02/28/2025
o-Xylene	*	2.0		50.8	50.00	0	101.6	50.01	1.55	02/28/2025
Toluene		2.0		50.9	50.00	0	101.8	50.75	0.30	02/28/2025
trans-1,2-Dichloroethene		2.0		49.2	50.00	0	98.3	48.40	1.58	02/28/2025
Xylenes, Total		4.0		157	150.0	0	104.6	154.4	1.60	02/28/2025
Surr: 1,2-Dichloroethane-d4	*			49.6	50.00		99.2			02/28/2025
Surr: 4-Bromofluorobenzene	*			49.7	50.00		99.4			02/28/2025
Surr: Dibromofluoromethane	*			49.4	50.00		98.9			02/28/2025
Surr: Toluene-d8	*			50.1	50.00		100.2			02/28/2025

Batch 235438	SampType: MBLK	Units µg/L									Date Analyzed
SampID: MBLK-AK250303A-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Benzene		0.5		ND						03/03/2025	
Bromoform		2.0		ND						03/03/2025	
Ethylbenzene		2.0		ND						03/03/2025	
m,p-Xylenes		2.0		ND						03/03/2025	
Methylene chloride		2.0		ND						03/03/2025	
Naphthalene		5.0		ND						03/03/2025	
o-Xylene		2.0		ND						03/03/2025	
Toluene		2.0		ND						03/03/2025	
trans-1,2-Dichloroethene		2.0		ND						03/03/2025	
Xylenes, Total		4.0		ND						03/03/2025	
Surr: 1,2-Dichloroethane-d4	*			50.8	50.00		101.6	80	120	03/03/2025	
Surr: 4-Bromofluorobenzene	*			51.2	50.00		102.5	80	120	03/03/2025	
Surr: Dibromofluoromethane	*			49.9	50.00		99.8	80	120	03/03/2025	
Surr: Toluene-d8	*			50.7	50.00		101.4	80	120	03/03/2025	

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235438		SampType: LCS		Units µg/L						
SampID: LCS-AK250303A-1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		50.7	50.00	0	101.4	81.6	120	03/03/2025
Bromoform		2.0		51.2	50.00	0	102.5	81.5	118	03/03/2025
Ethylbenzene		2.0		50.2	50.00	0	100.5	82.4	116	03/03/2025
m,p-Xylenes		2.0		102	100.0	0	102.4	82.5	117	03/03/2025
Methylene chloride		2.0		51.8	50.00	0	103.5	75.3	122	03/03/2025
Naphthalene		5.0		47.9	50.00	0	95.8	71	126	03/03/2025
o-Xylene		2.0		49.2	50.00	0	98.3	83	114	03/03/2025
Toluene		2.0		50.8	50.00	0	101.6	82.3	113	03/03/2025
trans-1,2-Dichloroethene		2.0		49.3	50.00	0	98.5	79.9	124	03/03/2025
Xylenes, Total		4.0		152	150.0	0	101.0	82.7	116	03/03/2025
Surr: 1,2-Dichloroethane-d4	*			49.6	50.00		99.3	80	120	03/03/2025
Surr: 4-Bromofluorobenzene	*			50.2	50.00		100.4	80	120	03/03/2025
Surr: Dibromofluoromethane	*			48.4	50.00		96.8	80	120	03/03/2025
Surr: Toluene-d8	*			50.0	50.00		99.9	80	120	03/03/2025

Batch 235438	SampType: LCSD	Units µg/L							RPD Limit 20		Date Analyzed
SampID: LCSD-AK250303A-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Benzene		0.5		50.6	50.00	0	101.2	50.70	0.22	03/03/2025	
Bromoform		2.0		51.8	50.00	0	103.5	51.24	1.03	03/03/2025	
Ethylbenzene		2.0		51.0	50.00	0	102.0	50.25	1.46	03/03/2025	
m,p-Xylenes		2.0		103	100.0	0	103.1	102.4	0.67	03/03/2025	
Methylene chloride		2.0		51.4	50.00	0	102.9	51.76	0.62	03/03/2025	
Naphthalene		5.0		48.3	50.00	0	96.6	47.92	0.81	03/03/2025	
o-Xylene		2.0		49.2	50.00	0	98.4	49.17	0.08	03/03/2025	
Toluene		2.0		51.3	50.00	0	102.5	50.82	0.88	03/03/2025	
trans-1,2-Dichloroethene		2.0		49.2	50.00	0	98.4	49.27	0.16	03/03/2025	
Xylenes, Total		4.0		152	150.0	0	101.5	151.6	0.48	03/03/2025	
Surr: 1,2-Dichloroethane-d4	*			49.7	50.00		99.4			03/03/2025	
Surr: 4-Bromofluorobenzene	*			50.4	50.00		100.8			03/03/2025	
Surr: Dibromofluoromethane	*			48.4	50.00		96.8			03/03/2025	
Surr: Toluene-d8	*			50.1	50.00		100.2			03/03/2025	

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

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

Batch 235438		SampType: LCS		Units µg/L							
SampID: QCS-AK250303A-1											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Benzene		0.5		50.7	50.00	0	101.4	65	135	03/03/2025	
Bromoform		2.0		51.2	50.00	0	102.5	70	130	03/03/2025	
Ethylbenzene		2.0		50.2	50.00	0	100.5	60	140	03/03/2025	
m,p-Xylenes		2.0		102	100.0	0	102.4	60	140	03/03/2025	
Methylene chloride		2.0		51.8	50.00	0	103.5	60	140	03/03/2025	
Naphthalene		5.0		47.9	50.00	0	95.8	60	140	03/03/2025	
o-Xylene	*	2.0		49.2	50.00	0	98.3	60	140	03/03/2025	
Toluene		2.0		50.8	50.00	0	101.6	70	130	03/03/2025	
trans-1,2-Dichloroethene		2.0		49.3	50.00	0	98.5	70	130	03/03/2025	
Xylenes, Total		4.0		152	150.0	0	101.0	60	140	03/03/2025	
Surr: 1,2-Dichloroethane-d4	*			49.6	50.00		99.3	80	120	03/03/2025	
Surr: 4-Bromofluorobenzene	*			50.2	50.00		100.4	80	120	03/03/2025	
Surr: Dibromofluoromethane	*			48.4	50.00		96.8	80	120	03/03/2025	
Surr: Toluene-d8	*			50.0	50.00		99.9	80	120	03/03/2025	

Batch	235438	SampType:	LCSD	Units µg/L						RPD Limit 40		Date Analyzed
SampID:	QCSD-AK250303A-1											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Benzene			0.5		50.6	50.00	0	101.2	50.70	0.22	03/03/2025	
Bromoform			2.0		51.8	50.00	0	103.5	51.24	1.03	03/03/2025	
Ethylbenzene			2.0		51.0	50.00	0	102.0	50.25	1.46	03/03/2025	
m,p-Xylenes			2.0		103	100.0	0	103.1	102.4	0.67	03/03/2025	
Methylene chloride			2.0		51.4	50.00	0	102.9	51.76	0.62	03/03/2025	
Naphthalene			5.0		48.3	50.00	0	96.6	47.92	0.81	03/03/2025	
o-Xylene		*	2.0		49.2	50.00	0	98.4	49.17	0.08	03/03/2025	
Toluene			2.0		51.3	50.00	0	102.5	50.82	0.88	03/03/2025	
trans-1,2-Dichloroethene			2.0		49.2	50.00	0	98.4	49.27	0.16	03/03/2025	
Xylenes, Total			4.0		152	150.0	0	101.5	151.6	0.48	03/03/2025	
Surr: 1,2-Dichloroethane-d4		*			49.7	50.00		99.4			03/03/2025	
Surr: 4-Bromofluorobenzene		*			50.4	50.00		100.8			03/03/2025	
Surr: Dibromofluoromethane		*			48.4	50.00		96.8			03/03/2025	
Surr: Toluene-d8		*			50.1	50.00		100.2			03/03/2025	



Receiving Check List

<http://www.teklabinc.com/>

Client: ERM

Work Order: 25021909

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 05-Mar-25

Carrier: Emma Portell

Received By: LEH

Completed by:

On:

27-Feb-25

Laura E Henson

Reviewed by:

On:

27-Feb-25

Ellie Hopkins

Pages to follow:

Chain of custody

3

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 5.7

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 all of the GW-5, GW-7, GW-14, GW-16D, GW-18D, GW-19D, and GW-20 volatile vials. Headspace present in one of the volatile vials for GW-18S, GW-19S, and GW-20FF. - PS/lhenson - 2/27/2025 8:43:53 AM

Trip Blank collection date and time will be reported as the received date and time (end of trip). - ehurley - 3/5/2025 4:27:18 PM

Drop off Location

☐ Downers Grove, IL ☐ Lenexa, KS
☐ Springfield, IL ☒ Collinsville, IL

CHAIN OF CUSTODY

pg. 1 of 3

Work order # 25021909

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

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 5.7 °C LTG# 3
Preserved in: ☐ LAB ☐ FIELD **FOR LAB USE ONLY**
Lab Notes: Added same analysis to GW-20FF-WG-20250224
 HS present in GW-5, GW-7, GW-14, GW-16-D, GW-18-D, GW-19-D, GW-20
 2/27/25
Client Comments Report QC LVL: 4
 HS present in 1/2 walls for GW18S, GW19S, GW-20FF

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 Ameren Taylorville 1st Qtr 2025			Sample Collector's Name Emma Portell			MATRIX		INDICATE ANALYSIS REQUESTED																		
Results Requested (call for PFAS TAT and surcharges)			Billing/PO#		# and Type of Containers		Aqueous	Groundwater	Trip Blank	PAHS	VOCs															
☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Date ☐ 3 Day (50% Surcharge)					UNP HCL 1 2																					
Lab Use Only	Sample Identification	Date/Time Sampled																								
25021909-001	GW-04R-WG-20250224	2/26/25:1210	1	2			X				X	X														
002	GW-05-WG-20250225	2/25/25:1130	1	2			X				X	X														
003	GW-07-WG-20250225	2/25/25:1140	1	2			X				X	X														
004	GW-14-WG-20250225	2/25/25:1700	1	2			X				X	X														
005	GW-15-WG-20250226	2/26/25:1150	1	2			X				X	X														
006	GW-16S-WG-20250225	2/25/25:1400	1	2			X				X	X														
007	GW-16D-WG-20250225	2/25/25:1325	1	2			X				X	X														
008	GW-17-WG-20250225	2/25/25:1440	1	2			X				X	X														
009	GW-18S-WG-20250224	2/24/25:1555	1	2			X				X	X														
010	GW-18D-WG-20250224	2/24/25:1530	1	2			X				X	X														

Relinquished By		Date/Time		Received By		Date/Time	
Emma Portell Emma Portell		2/26/25 1430		[Signature]		2/26/25 1430	

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: 96975



Drop off Location

☐ Downers Grove, IL ☐ Lenexa, KS
☐ Springfield, IL ☒ Collinsville, IL

CHAIN OF CUSTODY

pg. 2 of 3 Work order # 25021909

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

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	°C	LTG#
Preserved in:	☐ LAB	☐ FIELD	FOR LAB USE ONLY		
Lab Notes:					

Client Comments	Report QC LVL: 4
------------------------	------------------

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 Ameren Taylorville 1st Qtr 2025		Sample Collector's Name Emma Portell																					
Results Requested (call for PFAS TAT and surcharges) ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Date ☐ 3 Day (50% Surcharge)		Billing/PO#	# and Type of Containers																				
Lab Use Only	Sample Identification	Date/Time Sampled	<table border="1"> <tr> <th>UNP</th> <th>HCI</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td>1</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	UNP	HCI									1	2								
UNP	HCI																						
1	2																						
25021909-011	GW-19S-WG-20250224	2/24/25:1410	1 2																				
012	GW-19D-WG-20250224	2/24/25:1340	1 2																				
013	GW-20-WG-20250224	2/24/25:1225	1 2																				
014	GW-22S-WG-20250226	2/26/25:0840	1 2																				
015	GW-22D-WG-20250226	2/26/25:1015	1 2																				
016	DUP-001-WG-20250226	2/26/25:0001	1 2																				
	FB-001-WQ-202502		1 2																				
017	TB-001-WQ-20250226	2/26/25:1425	2																				
	TB-002-WQ-202502		2																				
018	DUP-002-WG-20250226	2/26/25:0002	1 2																				

MATRIX		INDICATE ANALYSIS REQUESTED																
Aqueous	Trip Blank	PAHs	VOCs															
X		X	X															
X		X	X															
X		X	X															
X		X	X															
X		X	X															
X		X	X															
	X		X															
	X		X															
X		X	X															

Relinquished By	Date/Time	Received By	Date/Time
Emma Portell Emma Portell	2/26/25 1430	[Signature]	2/26/25 1430

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: 96975



☐ Downers Grove, IL ☐ Lenexa, KS
☐ Springfield, IL ☒ Collinsville, IL

pg. 3 of 3 Work order # 25021909

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

Client:	ERM		Samples on:	☐ ICE	☐ BLUE ICE	☐ NO ICE	_____ °C	LTG# _____
Address:	1968 Craig Road		Preserved in:	☐ LAB	☐ FIELD	<u>FOR LAB USE ONLY</u>		
City / State / Zip	St. Louis, MO 63146		Lab Notes:					
Contact:	Michael Abegg	Phone:						
E-Mail:	michael.abegg@erm.com	Fax:						
			Client Comments	Report QC LVL: <u>4</u>				

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

Client Comments

Report QC LVL: 4

*MS/MSD 1 Taken with GW-25-WG-20250225

* GW-20FF-WG-20250224 IS field-filtered

[illegible]

Relinquished By	Date/Time	Received By	Date/Time
Emma Portelli Emma Portelli	2/26/25 1430	LA	2/26/25 1430

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: 96975



From: [Elizabeth A. Hurley](#)
To: [Michael Abegg](#)
Subject: WO# 25021909 - Ameren Taylorville 1st Qtr 2025 - follow-up
Date: Tuesday, April 15, 2025 1:41:02 PM

EXTERNAL MESSAGE

Good afternoon, Michael,

I wanted to follow-up on our March 2025 conversations regarding the Taylorville site. The detections reported in the SW-846 8270C run/s for GW-05, GW-25, and GW-26 were suspected to be the result of contamination during the prep process as these samples followed the impacted GW-04R sample.

Please let me know how I might continue to assist with this project.

Best regards,

Elizabeth Hurley
Director of Customer Service



Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

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March 20, 2025

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



Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ameren Taylorville 1st Qtr 2025

WorkOrder: 25031616

Dear Michael Abegg:

TEKLAB, INC received 4 samples on 3/18/2025 3:10:00 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
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	11
Dates Report	12
Quality Control Results	13
Receiving Check List	19
Chain of Custody	Appended

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

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: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

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: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

Cooler Receipt Temp: 14.3 °C

Locations

Collinsville

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

Collinsville Air

Address 5445 Horseshoe Lake Road
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Client: ERM**Work Order:** 25031616**Client Project:** Ameren Taylorville 1st Qtr 2025**Report Date:** 20-Mar-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

Lab ID: 25031616-001

Client Sample ID: GW-05-WG-20250318

Matrix: GROUNDWATER

Collection Date: 03/18/2025 12:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.000070	0.000100		ND	mg/L	1	03/20/2025 11:03	236212
Acenaphthylene	NELAP	0.000050	0.000100		ND	mg/L	1	03/20/2025 11:03	236212
Anthracene	NELAP	0.000200	0.000300		ND	mg/L	1	03/20/2025 11:03	236212
Benzo(a)anthracene	NELAP	0.000070	0.000100		ND	mg/L	1	03/20/2025 11:03	236212
Benzo(a)pyrene	NELAP	0.000110	0.000200		ND	mg/L	1	03/20/2025 11:03	236212
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		ND	mg/L	1	03/20/2025 11:03	236212
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		ND	mg/L	1	03/20/2025 11:03	236212
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		ND	mg/L	1	03/20/2025 11:03	236212
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	03/20/2025 11:03	236212
Chrysene	NELAP	0.000120	0.000200		ND	mg/L	1	03/20/2025 11:03	236212
Dibenzo(a,h)anthracene	NELAP	0.000120	0.000200		ND	mg/L	1	03/20/2025 11:03	236212
Di-n-butyl phthalate	NELAP	0.000830	0.0100		ND	mg/L	1	03/20/2025 11:03	236212
Fluoranthene	NELAP	0.000270	0.000300		ND	mg/L	1	03/20/2025 11:03	236212
Fluorene	NELAP	0.000170	0.000200		ND	mg/L	1	03/20/2025 11:03	236212
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		ND	mg/L	1	03/20/2025 11:03	236212
m,p-Cresol	NELAP	0.000590	0.0100		ND	mg/L	1	03/20/2025 11:03	236212
Naphthalene	NELAP	0.000160	0.000400		ND	mg/L	1	03/20/2025 11:03	236212
o-Cresol	NELAP	0.000540	0.0100		ND	mg/L	1	03/20/2025 11:03	236212
Phenanthrene	NELAP	0.000530	0.000600		ND	mg/L	1	03/20/2025 11:03	236212
Pyrene	NELAP	0.000180	0.000200		ND	mg/L	1	03/20/2025 11:03	236212
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		131.0	%REC	1	03/20/2025 11:03	236212
Surr: 2-Fluorobiphenyl	*	0	37.7-123		83.0	%REC	1	03/20/2025 11:03	236212
Surr: 2-Fluorophenol	*	0	30-130		87.2	%REC	1	03/20/2025 11:03	236212
Surr: Nitrobenzene-d5	*	0	40.7-126		87.7	%REC	1	03/20/2025 11:03	236212
Surr: Phenol-d5	*	0	20.5-122		73.3	%REC	1	03/20/2025 11:03	236212
Surr: p-Terphenyl-d14	*	0	44-147	S	147.3	%REC	1	03/20/2025 11:03	236212
<i>Surrogate recovery is outside control limits due to matrix interference.</i>									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	03/19/2025 11:37	236198
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	03/19/2025 11:37	236198
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	03/19/2025 11:37	236198
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	03/19/2025 11:37	236198
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	03/19/2025 11:37	236198
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	03/19/2025 11:37	236198
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	03/19/2025 11:37	236198
Toluene	NELAP	0.10	2.00		ND	µg/L	1	03/19/2025 11:37	236198
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	03/19/2025 11:37	236198
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	03/19/2025 11:37	236198
Surr: 1,2-Dichloroethane-d4	*	0	80-120		94.5	%REC	1	03/19/2025 11:37	236198
Surr: 4-Bromofluorobenzene	*	0	80-120		94.9	%REC	1	03/19/2025 11:37	236198
Surr: Dibromofluoromethane	*	0	80-120		97.7	%REC	1	03/19/2025 11:37	236198
Surr: Toluene-d8	*	0	80-120		99.0	%REC	1	03/19/2025 11:37	236198

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

Lab ID: 25031616-002

Client Sample ID: TB-001-WQ-20250318

Matrix: TRIP BLANK

Collection Date: 03/18/2025 15:10

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	03/19/2025 12:02	236198
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	03/19/2025 12:02	236198
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	03/19/2025 12:02	236198
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	03/19/2025 12:02	236198
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	03/19/2025 12:02	236198
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	03/19/2025 12:02	236198
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	03/19/2025 12:02	236198
Toluene	NELAP	0.10	2.00		ND	µg/L	1	03/19/2025 12:02	236198
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	03/19/2025 12:02	236198
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	03/19/2025 12:02	236198
Surr: 1,2-Dichloroethane-d4	*	0	80-120		95.3	%REC	1	03/19/2025 12:02	236198
Surr: 4-Bromofluorobenzene	*	0	80-120		95.0	%REC	1	03/19/2025 12:02	236198
Surr: Dibromofluoromethane	*	0	80-120		97.7	%REC	1	03/19/2025 12:02	236198
Surr: Toluene-d8	*	0	80-120		99.4	%REC	1	03/19/2025 12:02	236198

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

Lab ID: 25031616-003

Client Sample ID: GW-25-WG-20250318

Matrix: GROUNDWATER

Collection Date: 03/18/2025 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.000070	0.000100		ND	mg/L	1	03/20/2025 11:42	236212
Acenaphthylene	NELAP	0.000050	0.000100		ND	mg/L	1	03/20/2025 11:42	236212
Anthracene	NELAP	0.000200	0.000300		ND	mg/L	1	03/20/2025 11:42	236212
Benzo(a)anthracene	NELAP	0.000070	0.000100		ND	mg/L	1	03/20/2025 11:42	236212
Benzo(a)pyrene	NELAP	0.000110	0.000200		ND	mg/L	1	03/20/2025 11:42	236212
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		ND	mg/L	1	03/20/2025 11:42	236212
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		ND	mg/L	1	03/20/2025 11:42	236212
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		ND	mg/L	1	03/20/2025 11:42	236212
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	03/20/2025 11:42	236212
Chrysene	NELAP	0.000120	0.000200		ND	mg/L	1	03/20/2025 11:42	236212
Dibenzo(a,h)anthracene	NELAP	0.000120	0.000200		ND	mg/L	1	03/20/2025 11:42	236212
Di-n-butyl phthalate	NELAP	0.000830	0.0100		ND	mg/L	1	03/20/2025 11:42	236212
Fluoranthene	NELAP	0.000270	0.000300		ND	mg/L	1	03/20/2025 11:42	236212
Fluorene	NELAP	0.000170	0.000200		ND	mg/L	1	03/20/2025 11:42	236212
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		ND	mg/L	1	03/20/2025 11:42	236212
m,p-Cresol	NELAP	0.000590	0.0100		ND	mg/L	1	03/20/2025 11:42	236212
Naphthalene	NELAP	0.000160	0.000400		ND	mg/L	1	03/20/2025 11:42	236212
o-Cresol	NELAP	0.000540	0.0100		ND	mg/L	1	03/20/2025 11:42	236212
Phenanthrene	NELAP	0.000530	0.000600		ND	mg/L	1	03/20/2025 11:42	236212
Pyrene	NELAP	0.000180	0.000200		ND	mg/L	1	03/20/2025 11:42	236212
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		125.6	%REC	1	03/20/2025 11:42	236212
Surr: 2-Fluorobiphenyl	*	0	37.7-123		86.0	%REC	1	03/20/2025 11:42	236212
Surr: 2-Fluorophenol	*	0	30-130		77.2	%REC	1	03/20/2025 11:42	236212
Surr: Nitrobenzene-d5	*	0	40.7-126		95.8	%REC	1	03/20/2025 11:42	236212
Surr: Phenol-d5	*	0	20.5-122		71.0	%REC	1	03/20/2025 11:42	236212
Surr: p-Terphenyl-d14	*	0	44-147		104.4	%REC	1	03/20/2025 11:42	236212
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	03/19/2025 12:27	236198
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	03/19/2025 12:27	236198
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	03/19/2025 12:27	236198
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	03/19/2025 12:27	236198
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	03/19/2025 12:27	236198
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	03/19/2025 12:27	236198
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	03/19/2025 12:27	236198
Toluene	NELAP	0.10	2.00		ND	µg/L	1	03/19/2025 12:27	236198
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	03/19/2025 12:27	236198
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	03/19/2025 12:27	236198
Surr: 1,2-Dichloroethane-d4	*	0	80-120		96.4	%REC	1	03/19/2025 12:27	236198
Surr: 4-Bromofluorobenzene	*	0	80-120		95.5	%REC	1	03/19/2025 12:27	236198
Surr: Dibromofluoromethane	*	0	80-120		98.3	%REC	1	03/19/2025 12:27	236198
Surr: Toluene-d8	*	0	80-120		99.8	%REC	1	03/19/2025 12:27	236198

Client: ERM
 Client Project: Ameren Taylorville 1st Qtr 2025
 Lab ID: 25031616-004
 Matrix: GROUNDWATER

Work Order: 25031616
 Report Date: 20-Mar-25
 Client Sample ID: GW-26-WG-20250318
 Collection Date: 03/18/2025 10:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	1.000070	0.000100		ND	mg/L	1	03/20/2025 12:21	236212
Acenaphthylene	NELAP	1.000050	0.000100		ND	mg/L	1	03/20/2025 12:21	236212
Anthracene	NELAP	1.000200	0.000300		ND	mg/L	1	03/20/2025 12:21	236212
Benzo(a)anthracene	NELAP	1.000070	0.000100		ND	mg/L	1	03/20/2025 12:21	236212
Benzo(a)pyrene	NELAP	1.000110	0.000200		ND	mg/L	1	03/20/2025 12:21	236212
Benzo(b)fluoranthene	NELAP	1.000130	0.000200		ND	mg/L	1	03/20/2025 12:21	236212
Benzo(g,h,i)perylene	NELAP	1.000120	0.000200		ND	mg/L	1	03/20/2025 12:21	236212
Benzo(k)fluoranthene	NELAP	1.000120	0.000200		ND	mg/L	1	03/20/2025 12:21	236212
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		ND	mg/L	1	03/20/2025 12:21	236212
Chrysene	NELAP	1.000120	0.000200		ND	mg/L	1	03/20/2025 12:21	236212
Dibenzo(a,h)anthracene	NELAP	1.000120	0.000200		ND	mg/L	1	03/20/2025 12:21	236212
Di-n-butyl phthalate	NELAP	1.000830	0.0100		ND	mg/L	1	03/20/2025 12:21	236212
Fluoranthene	NELAP	1.000270	0.000300		ND	mg/L	1	03/20/2025 12:21	236212
Fluorene	NELAP	1.000170	0.000200		ND	mg/L	1	03/20/2025 12:21	236212
Indeno(1,2,3-cd)pyrene	NELAP	1.000160	0.000200		ND	mg/L	1	03/20/2025 12:21	236212
m,p-Cresol	NELAP	1.000590	0.0100		ND	mg/L	1	03/20/2025 12:21	236212
Naphthalene	NELAP	1.000160	0.000400		ND	mg/L	1	03/20/2025 12:21	236212
o-Cresol	NELAP	1.000540	0.0100		ND	mg/L	1	03/20/2025 12:21	236212
Phenanthrene	NELAP	1.000530	0.000600		ND	mg/L	1	03/20/2025 12:21	236212
Pyrene	NELAP	1.000180	0.000200		ND	mg/L	1	03/20/2025 12:21	236212
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		105.2	%REC	1	03/20/2025 12:21	236212
Surr: 2-Fluorobiphenyl	*	0	37.7-123		83.9	%REC	1	03/20/2025 12:21	236212
Surr: 2-Fluorophenol	*	0	30-130		87.8	%REC	1	03/20/2025 12:21	236212
Surr: Nitrobenzene-d5	*	0	40.7-126		76.7	%REC	1	03/20/2025 12:21	236212
Surr: Phenol-d5	*	0	20.5-122		71.7	%REC	1	03/20/2025 12:21	236212
Surr: p-Terphenyl-d14	*	0	44-147		112.2	%REC	1	03/20/2025 12:21	236212
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		ND	µg/L	1	03/19/2025 12:52	236198
Bromoform	NELAP	0.09	0.20		ND	µg/L	1	03/19/2025 12:52	236198
Ethylbenzene	NELAP	0.10	1.00		ND	µg/L	1	03/19/2025 12:52	236198
m,p-Xylenes	NELAP	0.22	1.00		ND	µg/L	1	03/19/2025 12:52	236198
Methylene chloride	NELAP	0.87	2.00		ND	µg/L	1	03/19/2025 12:52	236198
Naphthalene	NELAP	0.57	2.00		ND	µg/L	1	03/19/2025 12:52	236198
o-Xylene	NELAP	0.05	1.00		ND	µg/L	1	03/19/2025 12:52	236198
Toluene	NELAP	0.10	2.00		ND	µg/L	1	03/19/2025 12:52	236198
trans-1,2-Dichloroethene	NELAP	0.10	2.00		ND	µg/L	1	03/19/2025 12:52	236198
Xylenes, Total	NELAP	0.28	2.00		ND	µg/L	1	03/19/2025 12:52	236198
Surr: 1,2-Dichloroethane-d4	*	0	80-120		94.4	%REC	1	03/19/2025 12:52	236198
Surr: 4-Bromofluorobenzene	*	0	80-120		93.8	%REC	1	03/19/2025 12:52	236198
Surr: Dibromofluoromethane	*	0	80-120		97.9	%REC	1	03/19/2025 12:52	236198
Surr: Toluene-d8	*	0	80-120		98.6	%REC	1	03/19/2025 12:52	236198



Sample Summary

<http://www.teklabinc.com/>

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
25031616-001	GW-05-WG-20250318	Groundwater	2	03/18/2025 12:25
25031616-002	TB-001-WQ-20250318	Trip Blank	1	03/18/2025 15:10
25031616-003	GW-25-WG-20250318	Groundwater	2	03/18/2025 13:20
25031616-004	GW-26-WG-20250318	Groundwater	2	03/18/2025 10:50

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
25031616-001A	GW-05-WG-20250318	03/18/2025 12:25	03/18/2025 15:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			03/19/2025 10:12	03/20/2025 11:03
25031616-001B	GW-05-WG-20250318	03/18/2025 12:25	03/18/2025 15:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				03/19/2025 11:37
25031616-002A	TB-001-WQ-20250318	03/18/2025 15:10	03/18/2025 15:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				03/19/2025 12:02
25031616-003A	GW-25-WG-20250318	03/18/2025 13:20	03/18/2025 15:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			03/19/2025 10:12	03/20/2025 11:42
25031616-003B	GW-25-WG-20250318	03/18/2025 13:20	03/18/2025 15:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				03/19/2025 12:27
25031616-004A	GW-26-WG-20250318	03/18/2025 10:50	03/18/2025 15:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			03/19/2025 10:12	03/20/2025 12:21
25031616-004B	GW-26-WG-20250318	03/18/2025 10:50	03/18/2025 15:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				03/19/2025 12:52



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

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

Batch 236212 SampType: MBLK Units mg/L

SampleID: MBLK-236212

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		ND						03/20/2025
Acenaphthylene		0.000100		ND						03/20/2025
Anthracene		0.000300		ND						03/20/2025
Benzo(a)anthracene		0.000100		ND						03/20/2025
Benzo(a)pyrene		0.000200		ND						03/20/2025
Benzo(b)fluoranthene		0.000200		ND						03/20/2025
Benzo(g,h,i)perylene		0.000200		ND						03/20/2025
Benzo(k)fluoranthene		0.000200		ND						03/20/2025
Bis(2-ethylhexyl)phthalate		0.00600		ND						03/20/2025
Chrysene		0.000200		ND						03/20/2025
Dibenzo(a,h)anthracene		0.000200		ND						03/20/2025
Di-n-butyl phthalate		0.0100		ND						03/20/2025
Fluoranthene		0.000300		ND						03/20/2025
Fluorene		0.000200		ND						03/20/2025
Indeno(1,2,3-cd)pyrene		0.000200		ND						03/20/2025
m,p-Cresol		0.0100		ND						03/20/2025
Naphthalene		0.000400		ND						03/20/2025
o-Cresol		0.0100		ND						03/20/2025
Phenanthrene		0.000600		ND						03/20/2025
Pyrene		0.000200		ND						03/20/2025
Surr: 2,4,6-Tribromophenol	*			0.00230	0.0020		115.2	51.4	179	03/20/2025
Surr: 2-Fluorobiphenyl	*			0.000775	0.0010		77.5	50.8	123	03/20/2025
Surr: 2-Fluorophenol	*			0.00152	0.0020		75.8	38.9	149	03/20/2025
Surr: Nitrobenzene-d5	*			0.000916	0.0010		91.6	59.5	116	03/20/2025
Surr: Phenol-d5	*			0.00132	0.0020		66.2	25.9	136	03/20/2025
Surr: p-Terphenyl-d14	*			0.00121	0.0010		121.4	65.8	144	03/20/2025

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

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

Batch 236212		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-236212											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Acenaphthene		0.000100		0.00136	0.0020	0	67.9	34.1	117	03/20/2025	
Acenaphthylene		0.000100		0.00139	0.0020	0	69.7	36.5	118	03/20/2025	
Anthracene		0.000300		0.00152	0.0020	0	75.8	43.4	118	03/20/2025	
Benzo(a)anthracene		0.000100		0.00167	0.0020	0	83.6	39.4	126	03/20/2025	
Benzo(a)pyrene		0.000200		0.00179	0.0020	0	89.5	40.7	132	03/20/2025	
Benzo(b)fluoranthene		0.000200		0.00172	0.0020	0	86.2	46.2	129	03/20/2025	
Benzo(g,h,i)perylene		0.000200		0.00176	0.0020	0	88.0	41.8	125	03/20/2025	
Benzo(k)fluoranthene		0.000200		0.00168	0.0020	0	83.9	45.4	127	03/20/2025	
Bis(2-ethylhexyl)phthalate		0.00600	J	0.0022	0.0020	0	109.5	45	219	03/20/2025	
Chrysene		0.000200		0.00164	0.0020	0	82.1	42.4	128	03/20/2025	
Dibenzo(a,h)anthracene		0.000200		0.00183	0.0020	0	91.3	40.2	139	03/20/2025	
Di-n-butyl phthalate		0.0100	J	0.0021	0.0020	0	104.8	56.6	152	03/20/2025	
Fluoranthene		0.000300		0.00178	0.0020	0	89.0	50.1	126	03/20/2025	
Fluorene		0.000200		0.00151	0.0020	0	75.6	42.4	120	03/20/2025	
Indeno(1,2,3-cd)pyrene		0.000200		0.00181	0.0020	0	90.3	39.4	138	03/20/2025	
m,p-Cresol		0.0100		0.0147	0.0200	0	73.5	53.5	104	03/20/2025	
Naphthalene		0.000400		0.00133	0.0020	0	66.7	25.2	123	03/20/2025	
o-Cresol		0.0100		0.0145	0.0200	0	72.4	56.3	103	03/20/2025	
Phenanthrene		0.000600		0.00161	0.0020	0	80.3	46.6	126	03/20/2025	
Pyrene		0.000200		0.00171	0.0020	0	85.5	47.6	121	03/20/2025	
Surr: 2,4,6-Tribromophenol	*			0.00266	0.0020		133.1	51.4	179	03/20/2025	
Surr: 2-Fluorobiphenyl	*			0.000954	0.0010		95.4	50.8	123	03/20/2025	
Surr: 2-Fluorophenol	*			0.00178	0.0020		88.9	38.9	149	03/20/2025	
Surr: Nitrobenzene-d5	*			0.000993	0.0010		99.3	59.5	116	03/20/2025	
Surr: Phenol-d5	*			0.00162	0.0020		81.0	25.9	136	03/20/2025	
Surr: p-Terphenyl-d14	*			0.00130	0.0010		129.7	65.8	144	03/20/2025	

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

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

Batch 236212		SampType: LCSD		Units mg/L		RPD Limit 34.5					Date Analyzed
SampID: LCSD-236212											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Acenaphthene		0.000100		0.00133	0.0020	0	66.3	0.001358	2.41	03/20/2025	
Acenaphthylene		0.000100		0.00134	0.0020	0	66.9	0.001393	4.09	03/20/2025	
Anthracene		0.000300		0.00147	0.0020	0	73.3	0.001515	3.28	03/20/2025	
Benzo(a)anthracene		0.000100		0.00156	0.0020	0	77.9	0.001672	7.05	03/20/2025	
Benzo(a)pyrene		0.000200		0.00167	0.0020	0	83.6	0.001790	6.83	03/20/2025	
Benzo(b)fluoranthene		0.000200		0.00162	0.0020	0	80.8	0.001724	6.43	03/20/2025	
Benzo(g,h,i)perylene		0.000200		0.00160	0.0020	0	80.0	0.001760	9.55	03/20/2025	
Benzo(k)fluoranthene		0.000200		0.00157	0.0020	0	78.5	0.001679	6.74	03/20/2025	
Bis(2-ethylhexyl)phthalate		0.00600	J	0.0021	0.0020	0	107.2	0.002189	0.00	03/20/2025	
Chrysene		0.000200		0.00156	0.0020	0	77.9	0.001642	5.29	03/20/2025	
Dibenzo(a,h)anthracene		0.000200		0.00179	0.0020	0	89.6	0.001826	1.95	03/20/2025	
Di-n-butyl phthalate		0.0100	J	0.0021	0.0020	0	104.1	0.002096	0.00	03/20/2025	
Fluoranthene		0.000300		0.00172	0.0020	0	86.0	0.001780	3.49	03/20/2025	
Fluorene		0.000200		0.00148	0.0020	0	74.2	0.001512	1.81	03/20/2025	
Indeno(1,2,3-cd)pyrene		0.000200		0.00171	0.0020	0	85.4	0.001806	5.58	03/20/2025	
m,p-Cresol		0.0100		0.0147	0.0200	0	73.7	0.01470	0.26	03/20/2025	
Naphthalene		0.000400		0.00126	0.0020	0	62.8	0.001334	6.02	03/20/2025	
o-Cresol		0.0100		0.0147	0.0200	0	73.3	0.01447	1.25	03/20/2025	
Phenanthrene		0.000600		0.00157	0.0020	0	78.5	0.001607	2.32	03/20/2025	
Pyrene		0.000200		0.00165	0.0020	0	82.4	0.001710	3.68	03/20/2025	
Surr: 2,4,6-Tribromophenol	*			0.00268	0.0020		134.2			03/20/2025	
Surr: 2-Fluorobiphenyl	*			0.000931	0.0010		93.1			03/20/2025	
Surr: 2-Fluorophenol	*			0.00166	0.0020		83.0			03/20/2025	
Surr: Nitrobenzene-d5	*			0.00100	0.0010		100.3			03/20/2025	
Surr: Phenol-d5	*			0.00160	0.0020		79.8			03/20/2025	
Surr: p-Terphenyl-d14	*			0.00121	0.0010		121.4			03/20/2025	

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

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

Batch	236198	SampType:	MBLK	Units µg/L						
SampID:		MBLK-AM250319A-1								
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		ND						03/19/2025
Bromoform		2.0		ND						03/19/2025
Ethylbenzene		2.0		ND						03/19/2025
m,p-Xylenes		2.0		ND						03/19/2025
Methylene chloride		2.0		ND						03/19/2025
Naphthalene		5.0		ND						03/19/2025
o-Xylene		2.0		ND						03/19/2025
Toluene		2.0		ND						03/19/2025
trans-1,2-Dichloroethene		2.0		ND						03/19/2025
Xylenes, Total		4.0		ND						03/19/2025
Surr: 1,2-Dichloroethane-d4	*			48.5	50.00		97.1	80	120	03/19/2025
Surr: 4-Bromofluorobenzene	*			48.7	50.00		97.4	80	120	03/19/2025
Surr: Dibromofluoromethane	*			49.4	50.00		98.8	80	120	03/19/2025
Surr: Toluene-d8	*			49.5	50.00		99.0	80	120	03/19/2025

Batch 236198		SampType: LCS		Units µg/L						
SampID: LCS-AM250319A-1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		47.7	50.00	0	95.4	81.6	120	03/19/2025
Bromoform		2.0		48.8	50.00	0	97.5	81.5	118	03/19/2025
Ethylbenzene		2.0		46.6	50.00	0	93.2	82.4	116	03/19/2025
m,p-Xylenes		2.0		93.9	100.0	0	93.9	82.5	117	03/19/2025
Methylene chloride		2.0		45.4	50.00	0	90.8	75.3	122	03/19/2025
Naphthalene		5.0		44.4	50.00	0	88.9	71	126	03/19/2025
o-Xylene		2.0		45.9	50.00	0	91.8	83	114	03/19/2025
Toluene		2.0		46.7	50.00	0	93.5	82.3	113	03/19/2025
trans-1,2-Dichloroethene		2.0		42.9	50.00	0	85.9	79.9	124	03/19/2025
Xylenes, Total		4.0		140	150.0	0	93.2	82.7	116	03/19/2025
Surr: 1,2-Dichloroethane-d4	*			45.8	50.00		91.5	80	120	03/19/2025
Surr: 4-Bromofluorobenzene	*			46.7	50.00		93.3	80	120	03/19/2025
Surr: Dibromofluoromethane	*			49.7	50.00		99.4	80	120	03/19/2025
Surr: Toluene-d8	*			48.4	50.00		96.8	80	120	03/19/2025

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

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

Batch 236198		SampType: LCSD		Units µg/L				RPD Limit 20		
SampID: LCSD-AM250319A-1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		48.2	50.00	0	96.5	47.70	1.10	03/19/2025
Bromoform		2.0		48.2	50.00	0	96.4	48.77	1.22	03/19/2025
Ethylbenzene		2.0		47.0	50.00	0	93.9	46.59	0.77	03/19/2025
m,p-Xylenes		2.0		94.8	100.0	0	94.8	93.94	0.90	03/19/2025
Methylene chloride		2.0		46.7	50.00	0	93.3	45.38	2.78	03/19/2025
Naphthalene		5.0		44.2	50.00	0	88.5	44.43	0.45	03/19/2025
o-Xylene		2.0		46.1	50.00	0	92.2	45.92	0.41	03/19/2025
Toluene		2.0		47.0	50.00	0	94.1	46.74	0.64	03/19/2025
trans-1,2-Dichloroethene		2.0		44.6	50.00	0	89.3	42.94	3.90	03/19/2025
Xylenes, Total		4.0		141	150.0	0	93.9	139.9	0.74	03/19/2025
Surr: 1,2-Dichloroethane-d4	*			45.8	50.00		91.6			03/19/2025
Surr: 4-Bromofluorobenzene	*			46.7	50.00		93.4			03/19/2025
Surr: Dibromofluoromethane	*			49.5	50.00		99.1			03/19/2025
Surr: Toluene-d8	*			48.7	50.00		97.4			03/19/2025

Batch 236198		SampType: LCS		Units µg/L							
SampID: QCS-AM250319A-1											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Benzene		0.5		47.7	50.00	0	95.4	65	135	03/19/2025	
Bromoform		2.0		48.8	50.00	0	97.5	70	130	03/19/2025	
Ethylbenzene		2.0		46.6	50.00	0	93.2	60	140	03/19/2025	
m,p-Xylenes		2.0		93.9	100.0	0	93.9	60	140	03/19/2025	
Methylene chloride		2.0		45.4	50.00	0	90.8	60	140	03/19/2025	
Naphthalene		5.0		44.4	50.00	0	88.9	60	140	03/19/2025	
o-Xylene	*	2.0		45.9	50.00	0	91.8	60	140	03/19/2025	
Toluene		2.0		46.7	50.00	0	93.5	70	130	03/19/2025	
trans-1,2-Dichloroethene		2.0		42.9	50.00	0	85.9	70	130	03/19/2025	
Xylenes, Total		4.0		140	150.0	0	93.2	60	140	03/19/2025	
Surr: 1,2-Dichloroethane-d4	*			45.8	50.00		91.5	80	120	03/19/2025	
Surr: 4-Bromofluorobenzene	*			46.7	50.00		93.3	80	120	03/19/2025	
Surr: Dibromofluoromethane	*			49.7	50.00		99.4	80	120	03/19/2025	
Surr: Toluene-d8	*			48.4	50.00		96.8	80	120	03/19/2025	

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

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

Batch 236198	SampType: LCSD	Units µg/L							RPD Limit 40		Date Analyzed
SampID: QCSD-AM250319A-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Benzene		0.5		48.2	50.00	0	96.5	47.70	1.10	03/19/2025	
Bromoform		2.0		48.2	50.00	0	96.4	48.77	1.22	03/19/2025	
Ethylbenzene		2.0		47.0	50.00	0	93.9	46.59	0.77	03/19/2025	
m,p-Xylenes		2.0		94.8	100.0	0	94.8	93.94	0.90	03/19/2025	
Methylene chloride		2.0		46.7	50.00	0	93.3	45.38	2.78	03/19/2025	
Naphthalene		5.0		44.2	50.00	0	88.5	44.43	0.45	03/19/2025	
o-Xylene	*	2.0		46.1	50.00	0	92.2	45.92	0.41	03/19/2025	
Toluene		2.0		47.0	50.00	0	94.1	46.74	0.64	03/19/2025	
trans-1,2-Dichloroethene		2.0		44.6	50.00	0	89.3	42.94	3.90	03/19/2025	
Xylenes, Total		4.0		141	150.0	0	93.9	139.9	0.74	03/19/2025	
Surr: 1,2-Dichloroethane-d4	*			45.8	50.00		91.6			03/19/2025	
Surr: 4-Bromofluorobenzene	*			46.7	50.00		93.4			03/19/2025	
Surr: Dibromofluoromethane	*			49.5	50.00		99.1			03/19/2025	
Surr: Toluene-d8	*			48.7	50.00		97.4			03/19/2025	



Receiving Check List

<http://www.teklabinc.com/>

Client: ERM

Work Order: 25031616

Client Project: Ameren Taylorville 1st Qtr 2025

Report Date: 20-Mar-25

Carrier: Nolan Legg

Received By: LEH

Completed by:

On:

18-Mar-25

Amber Dilallo

Reviewed by:

On:

18-Mar-25

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 14.3

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.

Trip Blank collection date and time will be reported as the received date and time (end of trip). - amberdilallo - 3/18/2025 4:02:18 PM

Drop off Location

☐ Downers Grove, IL ☐ Lenexa, KS
☐ Springfield, IL ☒ Collinsville, IL

CHAIN OF CUSTODY

pg. 1 of 1

Work order # 25031616

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

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

14.3 °C

LTG# 3

Preserved in: ☐ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes: 8hs EK 3/18/25

Client Comments

Report QC LVL: 4

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ NoAre these samples known to be hazardous? If yes, include details of the hazard. ☐ Yes ☒ NoAre 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

Ameren Taylorville 1st Qtr 2025

Sample Collector's Name

N. Legg / E. Portell

Results Requested (call for PFAS TAT and surcharges)

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

Billing/PO#

and Type of Containers

Lab Use Only

Sample Identification

Date/Time Sampled

UNP

HCl

25031616

GW-05-WG-20250318

3/18/25; 1225

1

2

X

X

X

3 DAY

001

TB-001-WQ-20250318

3/18/25; 0900

2

X

X

002

GW-25-WG-20250318

3/18/25; 1320

1

2

X

X

X

003

GW-26-WG-20250318

3/18/25; 1050

1

2

X

X

X

004

Relinquished By

Date/Time

Received By

Date/Time

Nolan Legg Nolan Legg (ERM)

3/18/25; 1510

[Signature]

3/18/25 1510

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: 98369





ATTACHMENT B GROUNDWATER ELEVATION SUMMARY

Attachment B
Groundwater Elevation Summary
Quarter 1 2025
Ameren Taylorville
Taylorville, Illinois

Monitoring Well Number	Total Depth (feet)	Screened Interval (feet)	TOC Elevation (NAVD88)	Measured 2/24/2025	
				WL Below TOC (feet)	Elevation (feet NAVD88)
GW-4R	26.00	16.00-26.00	619.22	19.01	600.21
GW-5	61.00	51.00-61.00	620.97	17.90	603.07
GW-7	90.00	80.00-90.00	618.59	19.21	599.38
GW-14	94.00	84.00-94.00	619.07	19.39	599.68
GW-15	90.00	80.00-90.00	618.88	19.22	599.66
GW-16D	91.00	81.00-91.00	616.38	16.94	599.44
GW-16S	35.00	25.00-35.00	616.5	17.02	599.48
GW-17	35.00	25.00-35.00	614.6	15.17	599.43
GW-18D	84.00	74.00-84.00	604.32	3.55	600.77
GW-18S	25.00	15.00-25.00	602.05	3.41	598.64
GW-19D	82.50	72.50-82.50	606.9	7.82	599.08
GW-19S	22.00	11.00-22.00	606.7	7.78	598.92
GW-20	9.50	8.50-9.50	588.14	5.76	582.38
GW-22D	89.00	79.00-89.00	617.05	17.56	599.49
GW-22S	35.00	25.00-35.00	617.16	17.5	599.66
GW-25	29.91	19.91-29.91	611.01	11.38	599.63
GW-26	34.82	24.82-34.82	615.79	16.29	599.50
West Extraction Well	90.00	15.00-90.00'	619.00	38.00	581.00

Notes:

TOC Top of Casing
BGS Below ground surface.
NAVD88 North American Vertical Datum of 1988



ATTACHMENT C SUMMARY OF FIRST QUARTER 2025
ANALYTICAL RESULTS

Attachment C
Analytical Data Summary
Ameren Taylorville
Taylorville, Illinois

Location			GW-4R	GW-4R	GW-5	GW-7	GW-14	GW-15	GW-16D	GW-16S	GW-17	GW-18D
Sample Date			02/26/2025	02/26/2025	03/18/2025	02/25/2025	02/25/2025	02/26/2025	02/25/2025	02/25/2025	02/25/2025	02/24/2025
Sample Type			N	FD	N	N	N	N	N	N	N	N
Depth			16 - 26	16 - 26	50.75 - 61	80 - 90	84 - 94	80 - 90	81 - 91	25 - 35	25 - 35	74 - 84
Analyte	Unit	208438379- ROD Table 12										
SW8260B												
Benzene	ug/L	5	1030	976	< 0.50	< 0.50 UJ	< 0.50 UJ	< 0.50	< 0.50 UJ	< 0.50	< 0.50	< 0.50 UJ
Bromoform	ug/L	0.2	< 2.00	< 0.20	< 0.20	< 0.20 UJ	< 0.20 UJ	< 0.20	< 0.20 UJ	< 0.20	< 0.20	< 0.20 UJ
Ethylbenzene	ug/L	700	332	309	< 1.00	< 1.00 UJ	< 1.00 UJ	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00 UJ
m,p-Xylenes	ug/L	NS	73.9	64.2	< 1.00	< 1.00 UJ	< 1.00 UJ	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00 UJ
Methylene chloride	ug/L	0.2	< 20.0	< 2.00	< 2.00	< 2.00 UJ	< 2.00 UJ	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00 UJ
Naphthalene	ug/L	25	858	1010	< 2.00	< 2.00 UJ	< 2.00 UJ	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00 UJ
o-Xylene	ug/L	NS	210	195	< 1.00	< 1.00 UJ	< 1.00 UJ	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00 UJ
Toluene	ug/L	1000	162	186	< 2.00	< 2.00 UJ	< 2.00 UJ	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00 UJ
trans-1,2-Dichloroethene	ug/L	100	< 20.0	< 2.00	< 2.00	< 2.00 UJ	< 2.00 UJ	< 2.00	< 2.00 UJ	< 2.00	< 2.00	0.31 J
Xylene, Total	ug/L	10000	284	259	< 2.00	< 2.00 UJ	< 2.00 UJ	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00 UJ
SW846 8270C												
Acenaphthene	mg/L	0.42	0.0291	0.0317	< 0.000100	0.000115	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	0.0197	0.0242	< 0.000100	0.000108	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	0.00518	0.00655	< 0.000300	0.00118	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	0.0140	0.0175	< 0.000100	0.000178	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	0.0019 j	0.00260	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	0.0198	0.0237	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	0.00450	0.00570	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	0.00655	0.00792	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.0200	< 0.0200	< 0.00200	0.00302	0.00269	< 0.00200	0.00615	< 0.00200	< 0.00200	< 0.00200
Chrysene	mg/L	0.0015	0.0304	0.0395	< 0.000200	0.00014 j	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	0.00231	0.00294	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.100	< 0.100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0750	0.068 j	< 0.000300	0.000701	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	0.0758	0.0817	< 0.000200	0.000304	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	0.00502	0.00667	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.100	< 0.100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	0.497	0.481	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
o-Cresol	mg/L	0.35	< 0.100	< 0.100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Phenanthrene	mg/L	0.21	0.187	0.206	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	0.0413 J	0.0512 J	< 0.000200	0.00230	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental
NA = not analyzed
NS = no standard

Validated Qualifier Definition(s)

Validation Level = EPA-STAGE2A

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Validation Level = EPA-STAGE3

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was analyzed for, but was not detected. The reported limit is approximate and may be inaccurate or

Attachment C
Analytical Data Summary
Ameren Taylorville
Taylorville, Illinois

Location			GW-18S	GW-19D	GW-19S	GW-20 (GW-20FF)	GW-20	GW-22D	GW-22S	GW-22S	GW-25	GW-26
Sample Date			02/24/2025	02/24/2025	02/24/2025	02/24/2025	02/24/2025	02/26/2025	02/26/2025	02/26/2025	03/18/2025	03/18/2025
Sample Type			N	N	N	N	N	N	N	FD	N	N
Depth			15 - 25	72.5 - 82.5	12 - 22	4.5 - 9.5	4.5 - 9.5	79 - 89	25 - 35	25 - 35	18 - 28	26 - 36
Analyte	Unit	208438379-ROD Table 12										
SW8260B												
Benzene	ug/L	5	< 0.50	< 0.50 UJ	< 0.50	< 0.50	< 0.50 UJ	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20 UJ	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00	0.13 j	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00 UJ	< 2.00	< 2.0	< 2.00 UJ	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SW846 8270C												
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000072 j	< 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	0.000241	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000211	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000238	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.00334	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	0.00249	< 0.00200	< 0.00200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
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
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
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 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	< 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
m,p-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
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 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
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
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NA = not analyzed
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Validated Qualifier Definition(s)

Validation Level = EPA-STAGE2A

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Validation Level = EPA-STAGE3

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

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Attachment C
Analytical Data Summary
Ameren Taylorville
Taylorville, Illinois

Location			TRIP BLANK	TRIP BLANK	EQUIPMENT BLANK
Sample Date			02/26/2025	03/18/2025	02/24/2025
Sample Type			TB	TB	EB
Depth					
Analyte	Unit	208438379- ROD Table 12			
SW8260B					
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	0.55	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	0.39 j	< 1.00	< 1.00
Toluene	ug/L	1000	0.20	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	0.39 j	< 2.00	< 2.00
SW846 8270C					
Acenaphthene	mg/L	0.42	NA	NA	< 0.000100
Acenaphthylene	mg/L	0.21	NA	NA	< 0.000100
Anthracene	mg/L	2.1	NA	NA	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	NA	NA	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	NA	NA	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	NA	NA	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	NA	NA	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	NA	NA	< 0.000200
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	NA	NA	< 0.00200
Chrysene	mg/L	0.0015	NA	NA	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	NA	NA	< 0.000200
Dibutyl phthalate	mg/L	0.7	NA	NA	< 0.0100
Fluoranthene	mg/L	0.28	NA	NA	< 0.000300
Fluorene	mg/L	0.28	NA	NA	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	NA	NA	< 0.000200
m,p-cresol	mg/L	0.35	NA	NA	< 0.0100
Naphthalene	mg/L	0.025	NA	NA	< 0.000400
o-Cresol	mg/L	0.35	NA	NA	< 0.0100
Phenanthrene	mg/L	0.21	NA	NA	< 0.000600
Pyrene	mg/L	0.21	NA	NA	< 0.000200

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Validated Qualifier Definition(s)

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j = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Validation Level = EPA-STAGE3

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ATTACHMENT D SUMMARY OF HISTORICAL ANALYTICAL RESULTS

Attachment D
Summary of Analytical Results 2021 - February/ March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-04 Analyte	Unit	USEPA ROD 1992 CUOs	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	Result - DUP 2/17/2022	Result 5/12/2022	Result - DUP 5/12/2022
Acenaphthene	mg/L	0.42	0.0175	0.026	0.026	0.022	0.0239	0.0274	0.0316	0.0348	0.0339	0.0437
Acenaphthylene	mg/L	0.21	0.00147	0.00229	0.00303	0.00618	0.00584	0.00531	0.00244	0.0029	0.00893	0.0101
Anthracene	mg/L	2.1	0.000792	0.000654	0.00109	0.000745	0.000691	0.00093	0.0012	0.000864	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	0.000133	0.000186	0.000261	0.000158	0.000173	0.000214	0.000104	0.000085 J	< 0.0001	0.000115
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	0.00012 J
Benzo(b)fluoranthene	mg/L	0.00018	0.000120	0.000229	0.000376	0.000125	0.000192	0.000226	< 0.0001	0.000084 J	< 0.0001	0.000128
Benzo(g,h,i)perylene	mg/L	0.21	< 0.00020	< 0.00020	0.00019 J	< 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 J	0.000124	< 0.0001	< 0.0001	0.00007 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	0.000334	0.000493	0.000747	0.000491	0.000501	0.000754	0.000200	0.000196	0.00013	0.00022
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	0.0029	0.00334	0.0045	0.00379	0.00404	0.00397	0.00375	0.00357	0.00289	0.00383
Fluorene	mg/L	0.28	0.0607	0.0733	0.0735	0.0689	0.0776	0.07	0.0906	0.0765	0.0847	0.104
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	0.00018 J	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	0.0086 J	0.0164	0.022	0.007 J	0.0083 J	< 0.01	0.0023 J	0.0018 J	0.0046 J	0.0068 J
o-Cresol	mg/L	0.35	0.0123	0.0209	0.0244	0.0095 J	0.0074 J	< 0.01	0.0059 J	0.0035 J	0.058 J	0.008 J
Naphthalene	mg/L	0.025	1.53	1.82	1.86	1.62	1.75	2.43	1.82	1.82 J	2.77	3.54
Phenanthrene	mg/L	0.21	0.0576	0.0674	0.0647	0.0562	0.0609	0.0542	0.0801	0.075	0.0715	0.0888
Pyrene	mg/L	0.21	0.00149	0.00143	0.00219	0.00184	0.00184	0.0019	0.00177	0.00174	0.00131	0.00184
Benzene	µg/L	5	632	341	775	652	658	798	1150	1180	1100	1070
Bromoform	µg/L	0.2	< 2	< 100	< 20	< 100	< 2	< 200	< 2	< 2	< 100	< 100
Ethylbenzene	µg/L	700	155	104	216	235	243	331	476	500	312	330
m,p-Xylenes	µg/L	NS	165	80.5	158	135	146	166	108	104	225	229
Methylene chloride	µg/L	0.2	< 2	< 100	< 20	< 100	< 2	< 200	< 2	< 2	< 100	< 100
Naphthalene	µg/L	25	2790	1510	3150	3020	3020	3520	2530	2620	3550	3350
o-Xylene	µg/L	NS	140	67	137	108	118	178	241	244	176	184
Toluene	µg/L	1000	208	184	409	256	255	216	90.5	94.6	338	357
trans-1,2-Dichloroethene	µg/L	100	< 2	< 100	< 20	< 100	< 2	< 200	< 2	< 2	< 100	< 100
Xylenes, Total	µg/L	10000	304	148	295	243	265	344	350	347	400	412

Notes:
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R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-04 Analyte	Unit	USEPA ROD 1992 CUOs	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	Result 10/27/2023	Result - DUP 10/27/2023
Acenaphthene	mg/L	0.42	0.0404	0.00135	0.0348	0.0334	0.0190 H	0.0241 H	0.0290	0.0299	0.0330	0.0373
Acenaphthylene	mg/L	0.21	0.00446	0.00447	0.00218	0.00195	0.000868 H	0.00117 H	0.00144	0.00154	0.00163	0.00183
Anthracene	mg/L	2.1	0.000749	0.00241	0.000925	0.000616	0.000346 H	0.000476 H	0.000854	0.000802	0.00092	0.00135
Benzo(a)anthracene	mg/L	0.00013	0.00009 J	0.00194	0.00015	0.000109	< 0.0001 H	0.000072 JH	0.000096 J	0.000078 J	0.000570	0.000620
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	0.00017 J	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	0.00252	0.000101	0.00007 J	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	0.000557	0.000591
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	0.000544	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	0.000697	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	0.000116	0.000139
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	0.002 J	< 0.002	< 0.002	< 0.002 H	< 0.002 H	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	0.000241	0.00674	0.000513	0.000385	0.00021 H	0.00017 H	0.000209	0.000187	0.00217	0.00233
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	0.000256	< 0.0002	< 0.0002	< 0.0002 H	< 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	< 0.01 H	< 0.01 H	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	0.00414	0.021	0.00489	0.00457	0.00257 H	0.00276 H	0.00460	0.00444	0.00893	< 0.015
Fluorene	mg/L	0.28	0.0853	0.0841	0.08	0.0801	0.0397 H	0.0537 H	0.0616	0.0538	0.0573	0.0802
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	0.000588	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01	0.00079 J	0.001 J
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	0.00090 JH	0.00098 JH	< 0.01	< 0.01	< 0.01	0.001 J
Naphthalene	mg/L	0.025	2.8	1.5	1.83	1.86	< 0.0004 H	0.398 H	0.410	0.446	0.343	0.414
Phenanthrene	mg/L	0.21	0.0799	0.142	0.0722	0.0735	0.0148 H	0.0461 H	0.0694	< 0.15	0.0669	0.0915
Pyrene	mg/L	0.21	0.00176	0.0124	0.00208	0.00203	0.000948 H	0.00102 H	0.00225	0.00227	0.00411	0.00465
Benzene	µg/L	5	670	895	609	612	341	364	235	241	346	392
Bromoform	µg/L	0.2	< 20	< 2	< 10	< 0.2	< 2	< 10	< 2	< 2	< 2	< 0.2
Ethylbenzene	µg/L	700	249	304	250	250	186	184	144	144	117	159
m,p-Xylenes	µg/L	NS	112	56.6	63.5	64.5	39.3	48 J	19.1	20.8	14.7	19.7
Methylene chloride	µg/L	0.2	< 20	< 20	< 100	< 2	38.3	< 100	< 20	10 J	< 20	< 2
Naphthalene	µg/L	25	3540	2340	2380	2490	1580	1480	814	740	510	531
o-Xylene	µg/L	NS	157	187	136	148	93.4	100	80.3	82.1	62	80.8
Toluene	µg/L	1000	104	100	72 J	70.8	30.5	42 J	14 J	15 J	24.8	34.8
trans-1,2-Dichloroethene	µg/L	100	< 20	< 20	< 100	< 2	< 20	< 100	< 20.0	< 20	< 20	< 2
Xylenes, Total	µg/L	10000	269	243	199	213	133	148	99.4	103	76.7	101

Notes:
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Attachment D
Summary of Analytical Results 2021 - February/March 2025
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Taylorville, Illinois

GW-04 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/15/2024	Result - DUP 2/15/2024	Result 5/10/2024	Result - DUP 5/10/2024	Result 8/30/2024	Result - DUP 8/30/2024	Result 11/22/2024	Result - DUP 11/22/2024
Acenaphthene	mg/L	0.42	0.0308	0.0293	0.0171	0.0203	0.0203	0.0217	0.0341	0.0323
Acenaphthylene	mg/L	0.21	0.00242	0.00226	0.0062 J	0.0056 J	0.0034 J	0.0037 J	0.0133	0.0172
Anthracene	mg/L	2.1	0.000936	0.000831	0.00122	0.00153	0.0018	0.00201	0.0135	0.0158
Benzo(a)anthracene	mg/L	0.00013	0.000113	0.000109	0.000205	0.000204	0.000267	0.000251	0.0122	0.0157
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00177	0.00230
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	0.000092 J	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0172	0.0211
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00406	0.00584
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00464	0.00720
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002	0.0047	< 0.002	< 0.002
Chrysene	mg/L	0.0015	0.000279	0.000276	0.000455	0.000436	0.000541	0.000585	0.0232	0.0281
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00222	0.00289
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	0.00472	0.00417	< 0.03	< 0.03	< 0.015	< 0.015	0.043	0.0628
Fluorene	mg/L	0.28	0.0719	0.0706	0.0672	0.0691	0.0888	0.0955	0.0927	0.0992
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00449	0.00598
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	0.0037 J	< 0.01	0.0029 J	0.0022 J
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	0.0043 J	0.0046 J	0.0026 J	0.0020 J
Naphthalene	mg/L	0.025	0.839	0.634	1.02	1.38	1.22	1.04	0.809	0.876
Phenanthrene	mg/L	0.21	0.0716	0.0726	0.0679	0.0648	0.0810	0.0868	0.145	0.214
Pyrene	mg/L	0.21	0.00225	0.00159	0.00362	0.00374	0.00453	0.00444	0.0366	0.0441
Benzene	µg/L	5	1380	1500	1130	999 S	1150	1180	1030	1090
Bromoform	µg/L	0.2	< 5	< 2	< 0.2	< 0.2	< 4	< 4	< 2	< 2
Ethylbenzene	µg/L	700	322	369	295	261	261	261	306	319
m,p-Xylenes	µg/L	NS	124	145	226	216	119	110	79.3	80.5
Methylene chloride	µg/L	0.2	< 50	< 20	< 2	< 2	< 40	< 40	< 20	< 20
Naphthalene	µg/L	25	1700	1940	2300 E	2220 E	1790	1730	1120	1160
o-Xylene	µg/L	NS	182	203	196	188	185	181	188	200
Toluene	µg/L	1000	320	378	132	125	159	153	171	185
trans-1,2-Dichloroethene	µg/L	100	< 50	< 20	< 2	< 2	< 40	< 40	< 20	< 20
Xylenes, Total	µg/L	10000	306	348	422	403	304	291	267	281

Notes:
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
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Taylorville, Illinois

GW-04 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/26/2025	Result - DUP 2/26/2025
Acenaphthene	mg/L	0.42	0.0291	0.0317
Acenaphthylene	mg/L	0.21	0.0197	0.0242
Anthracene	mg/L	2.1	0.00518	0.00655
Benzo(a)anthracene	mg/L	0.00013	0.0140	0.0175
Benzo(a)pyrene	mg/L	0.0002	0.0019 J	0.00260
Benzo(b)fluoranthene	mg/L	0.00018	0.0198	0.0237
Benzo(g,h,i)perylene	mg/L	0.21	0.00450	0.00570
Benzo(k)fluoranthene	mg/L	0.00017	0.00655	0.00792
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.0200	< 0.0200
Chrysene	mg/L	0.0015	0.0304	0.0395
Dibenzo(a,h)anthracene	mg/L	0.0003	0.00231	0.00294
Di-n-butyl phthalate	mg/L	0.7	< 0.100	< 0.100
Fluoranthene	mg/L	0.28	< 0.0750	0.068 J
Fluorene	mg/L	0.28	0.0758	0.0817
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	0.00502	0.00667
m,p-Cresol	mg/L	0.35	< 0.100	< 0.100
o-Cresol	mg/L	0.35	< 0.100	< 0.100
Naphthalene	mg/L	0.025	0.497	0.481
Phenanthrene	mg/L	0.21	0.187	0.206
Pyrene	mg/L	0.21	0.0413	0.0512
Benzene	µg/L	5	1030	976
Bromoform	µg/L	0.2	< 2	< 2
Ethylbenzene	µg/L	700	332	309
m,p-Xylenes	µg/L	NS	73.9	64.2
Methylene chloride	µg/L	0.2	< 20	< 20
Naphthalene	µg/L	25	858 B	1010
o-Xylene	µg/L	NS	210	195
Toluene	µg/L	1000	162	186
trans-1,2-Dichloroethene	µg/L	100	< 20	< 2
Xylenes, Total	µg/L	10000	284	259

Notes:
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µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
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Taylorville, Illinois

GW-05 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/24/2021	Result 5/11/2021	Result 8/12/2021	Result 11/9/2021	Result 2/15/2022	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
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	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 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	< 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	< 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	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.000075 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 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	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.0087	0.00374	0.00627	0.00213 B	< 0.0002	< 0.0002	0.0017 J	< 0.002	< 0.002	< 0.002	0.00262
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	< 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	< 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	< 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	< 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	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-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	< 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	< 0.01
Naphthalene	mg/L	0.025	0.00111	< 0.0004	0.00194	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	0.000838	< 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	0.000221	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	0.18 J	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	0.22 J	< 1	< 1	1.21	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	0.2 J	< 1	< 1	0.99 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2 H	< 2	1 J	< 1	1 J	0.49 BJ	< 2	< 2
o-Xylene	µg/L	NS	0.14 J	< 1	< 1	0.74 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	0.12 J	< 2	< 2	0.3 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	< 2
Xylenes, Total	µg/L	10000	0.34 J	< 2	< 2	1.7 J	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
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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.

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Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-05 Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/13/2023	Result - DUP 9/13/2023	Result 10/25/2023	Result 2/13/2024	Result 5/7/2024	Result 8/29/2024	Result 11/20/2024	Result 3/18/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.000074 J	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.0020	< 0.0020	< 0.0020 B	< 0.0020	< 0.0020
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
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 B	< 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	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 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	0.025	0.00066	< 0.0004	< 0.0004	< 0.0004	< 0.0004	0.0048 J	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	0.31 J	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	1.4 J	11	0.93 J	< 2.0	< 2.0	2.1 J	4.04	< 2.0
o-Xylene	µg/L	NS	< 1	0.2 J	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
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 D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-07 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/23/2021	Result 5/12/2021	Result 8/12/2021	Result 11/9/2021	Result 2/16/2022	Result 5/11/2022	Result 9/7/2022	Result 11/29/2022	Result 2/15/2023
Acenaphthene	mg/L	0.42	0.000076 J	0.000118	0.000079 J	0.000136	0.000183	0.000145	0.000118	0.00012	0.000183
Acenaphthylene	mg/L	0.21	0.000168	0.000117	0.000137	0.000186	0.000251	0.000149	0.00017	0.000179	0.000203
Anthracene	mg/L	2.1	0.00144	0.00119	0.00124	0.00146	0.00144	0.00153	0.00162	0.00144	0.00148
Benzo(a)anthracene	mg/L	0.00013	0.000119	0.000161	0.000186	0.000235	0.000185	0.000182	0.000212	0.000201	0.000202
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	0.21	< 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	0.0027	0.00975	0.00732	0.00233	0.00403 S	0.00290	0.00471	0.0015 J	0.00578	0.00331
Chrysene	mg/L	0.0015	0.000082 J	0.000102	0.000122	0.00017	0.000177	0.000163	0.000164	0.000157	0.000141
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	0.00131	0.00136	0.00146	0.00164	0.00147	0.00169	0.00154	0.00154	0.00127
Fluorene	mg/L	0.28	0.000295	0.000343	0.000305	0.00039	0.000516	0.000368	0.000331	0.000366	0.0004
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	0.35	< 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	0.025	< 0.0004	0.00329	< 0.0004	< 0.0004	0.00269	< 0.0004	< 0.0004	< 0.0004	0.00283 S
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	0.00197	0.00227	0.00233	0.0026	0.0025	0.0030	0.0028	0.00281	0.0026
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 S	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.32 J	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.54 J	< 1	< 1	< 1	< 1 S	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	1.4 J	< 2	< 2 H	< 2	< 2	< 2	0.7 J	0.36 BJ
o-Xylene	µg/L	NS	< 1	< 1	< 1	0.21 J	< 1	< 1	< 1	< 1 S	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 S	< 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	0.75 J	< 2	< 2	< 2	< 2 S	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
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 D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-07 Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/17/2023		Result 9/13/2023		Result 10/27/2023		Result 2/13/2024		Result - DUP 2/13/2024		Result 5/9/2024		Result - DUP 5/9/2024		Result 8/30/2024		Result 11/21/2024		Result 2/25/2025	
Acenaphthene	mg/L	0.42	0.000122	H	0.000155		0.000158		0.000139		0.000130		0.000136		0.000121		0.000204		0.000233		0.000115	
Acenaphthylene	mg/L	0.21	0.000137	H	0.000194		0.000202		0.000178		0.000157		0.000177		0.000182		0.000247		0.000177		0.000108	
Anthracene	mg/L	2.1	0.00115	H	0.00179		0.00161		0.00167		0.00149		0.00193		0.00141		0.00222		0.00187		0.00118	
Benzo(a)anthracene	mg/L	0.00013	0.000183	H	0.000235		0.000211		0.000224		0.000204		0.000218		0.000183		0.000285		0.000229		0.000178	
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	H	< 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	H	< 0.0001	<	< 0.0001	<	< 0.0001	<	< 0.0001	<	< 0.0002	<	< 0.0002	<	< 0.0002	<	< 0.0002	<	< 0.0002	<
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	H	< 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	H	< 0.0001	<	< 0.0001	<	< 0.0001	<	< 0.0001	<	< 0.0002	<	< 0.0002	<	< 0.0002	<	< 0.0002	<	< 0.0002	<
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.0148	H	0.00395		0.00271		0.0200		0.0180		0.00748		0.0016 J		0.00698 B		0.00352		0.00302	
Chrysene	mg/L	0.0015	0.000145	H	0.000194		0.000184		0.000166		0.000166		0.000204		0.00014 J		0.0002 J		0.000242		0.000140 J	
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	H	< 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	H	< 0.01	<	< 0.01	<	< 0.01	<	< 0.01	<	< 0.01	<	< 0.01	<	< 0.01	<	< 0.01	<	< 0.01	<
Fluoranthene	mg/L	0.28	0.00106	H	0.00141		0.00122		0.00118		0.00111		0.00129		0.000934		0.00139		0.00125		0.000701	
Fluorene	mg/L	0.28	0.000331	H	0.000413		0.000393		0.000365		0.000351		0.000343		0.000334		0.000536		0.000648		0.000304	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	H	< 0.0002	<	< 0.0002	<	< 0.0002	<	< 0.0002	<	< 0.0002	<	< 0.0002	<	< 0.0002	<	< 0.0002	<	< 0.0002	<
m,p-Cresol	mg/L	0.35	< 0.01	H	< 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	H	< 0.01	<	< 0.01	<	< 0.01	<	< 0.01	<	< 0.01	<	< 0.01	<	< 0.01	<	< 0.01	<	< 0.01	<
Naphthalene	mg/L	0.025	< 0.0004	H	< 0.0004		0.000614	<	< 0.0004	<	< 0.0004	<	< 0.0004	<	< 0.0004	<	< 0.0004		0.00496	<	< 0.0004	<
Phenanthrene	mg/L	0.21	< 0.0006	H	< 0.0006	<	0.0006	<	< 0.0006	<	< 0.0006	<	< 0.0006	<	< 0.0006	<	< 0.0006		0.00059 J	<	< 0.0006	<
Pyrene	mg/L	0.21	0.00157	H	0.00238		0.00265		0.00275		0.00262		0.00336		0.00237		0.00375		0.00302		0.00230	
Benzene	µg/L	5	< 0.5		< 0.5	<	< 0.5		0.15 J	<	< 0.5	<	< 0.5	<	< 0.5	<	< 0.5	<	< 0.5	<	< 0.5	<
Bromoform	µg/L	0.2	< 0.2		< 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		0.12 J	<	< 1	<	< 1	<	< 1	<	< 1	<	< 1	<	< 1	<
m,p-Xylenes	µg/L	NS	< 1		< 1	<	< 1	<	< 1	<	< 1	<	< 1	<	< 1	<	< 1	<	< 1	<	< 1	<
Methylene chloride	µg/L	0.2	< 2		< 2	<	< 2	<	< 2	<	< 2	<	< 2	<	< 2	<	< 2	<	< 2	<	< 2	<
Naphthalene	µg/L	25	< 2		< 2	<	< 2		1.2 J	<	< 2		2.81	<	< 2	<	< 2	<	< 2	<	< 2	< B
o-Xylene	µg/L	NS	< 1		< 1	<	< 1	<	< 1	<	< 1	<	< 1	<	< 1	<	< 1	<	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
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 D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-14 Analyte	Unit	USEPA ROD 1992 CUOs	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	Result 11/29/2022	Result 2/14/2023	Result 5/17/2023	Result 9/13/2023
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	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 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	< 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	< 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	< 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	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 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	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.00935	0.00934	0.0139	0.0200 B	0.0016 J	0.0018 J	0.00578 S	0.00304	< 0.002	0.00309	0.00493
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	< 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	< 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	< 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	< 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	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-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	< 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	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	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	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.38 J	< 1	< 1	< 1	< 1	0.11 J	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.72 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	1.6 J	0.49 J	< 2	2.53	< 2	< 2	< 2	0.62 J	< 2 B	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	0.36 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	0.19 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	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	1.1 J	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-14 Analyte	Unit	USEPA ROD 1992 CUOs	Result 10/26/2023	Result 2/13/2024	Result 5/9/2024	Result 8/30/2024	Result 11/21/2024	Result 2/25/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.000200
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.00216	0.00416	0.00604	0.00270 B	0.00531	0.00269
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
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 B	< 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	0.35	< 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	< 0.0004	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.01	< 0.0004
Phenanthrene	mg/L	0.21	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 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	NS	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	0.64 J	1.1 J	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-15 Analyte	Unit	USEPA ROD 1992 CUOs	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	Result 9/9/2022	Result 11/29/2022	Result 2/15/2023	Result - DUP 2/15/2023
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.000094 J	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	0.000063 J	< 0.0001	< 0.0001	< 0.0001	0.000074 J	< 0.0001	0.000077 J	< 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	< 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	< 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	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000075 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 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	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002 B	< 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	< 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	< 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	< 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	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000287	< 0.0002	0.0001 J
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	< 0.0002
m,p-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	< 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	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	0.00366	0.00414	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006 R	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	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	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.16 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.43 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	1.1 J	< 2	< 2	1.6 J	< 2	< 2	< 2	< 2	0.55 J	< 2 B	< 2 B
o-Xylene	µg/L	NS	< 1	< 1	< 1	0.13 J	< 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	0.56 J	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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J = Analyte detected below quantitation limits
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E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
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The laboratory reporting detection limit is shown.
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All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-15 Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/18/2023		Result - DUP 5/18/2023		Result 9/13/2023	Result 10/25/2023	Result 2/15/2024	Result 5/10/2024	Result 8/30/2024	Result 11/22/2024	Result 2/26/2025	
Acenaphthene	mg/L	0.42	<	0.0001	H	<	0.0001	H	<	0.0001	<	0.0001	<	0.0001
Acenaphthylene	mg/L	0.21	<	0.0001	H	<	0.0001	H	<	0.0001	<	0.0001	<	0.0001
Anthracene	mg/L	2.1	<	0.0003	H	<	0.0003	H	<	0.0003	<	0.0003	<	0.0003
Benzo(a)anthracene	mg/L	0.00013	<	0.0001	H	<	0.0001	H	<	0.0001	<	0.0001	<	0.0001
Benzo(a)pyrene	mg/L	0.0002	<	0.0002	H	<	0.0002	H	<	0.0002	<	0.0002	<	0.0002
Benzo(b)fluoranthene	mg/L	0.00018	<	0.0001	H	<	0.0001	H	<	0.0001	<	0.0002	<	0.0002
Benzo(g,h,i)perylene	mg/L	0.21	<	0.0002	H	<	0.0002	H	<	0.0002	<	0.0002	<	0.0002
Benzo(k)fluoranthene	mg/L	0.00017	<	0.0001	H	<	0.0001	H	<	0.0001	<	0.0002	<	0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	<	0.002	H	<	0.002	H	<	0.002	<	0.002	<	0.002
Chrysene	mg/L	0.0015	<	0.0001	H	<	0.0001	H	<	0.0001	<	0.0002	<	0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	<	0.0002	H	<	0.0002	H	<	0.0002	<	0.0002	<	0.0002
Di-n-butyl phthalate	mg/L	0.7	<	0.01	H	<	0.01	H	<	0.01	<	0.01	<	0.01
Fluoranthene	mg/L	0.28	<	0.0003	H	<	0.0003	H	<	0.0003	<	0.0003	<	0.0003
Fluorene	mg/L	0.28	<	0.000204	H	<	0.0002	H	<	0.0002	<	0.000200	<	0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	<	0.0002	H	<	0.0002	H	<	0.0002	<	0.0002	<	0.0002
m,p-Cresol	mg/L	0.35	<	0.01	H	<	0.01	H	<	0.01	<	0.01	<	0.01
o-Cresol	mg/L	0.35	<	0.01	H	<	0.01	H	<	0.01	<	0.01	<	0.01
Naphthalene	mg/L	0.025	<	0.0004	H	<	0.0004	H	<	0.0004	<	0.0004	<	0.0004
Phenanthrene	mg/L	0.21	<	0.0006	H	<	0.0006	H	<	0.0006	<	0.0006	<	0.0006
Pyrene	mg/L	0.21	<	0.0002	H	<	0.0002	H	<	0.0002	<	0.0002	<	0.0002
Benzene	µg/L	5	<	0.5		<	0.5		<	0.5	<	0.5	<	0.5
Bromoform	µg/L	0.2	<	0.2		<	0.2		<	0.2	<	0.2	<	0.2
Ethylbenzene	µg/L	700	<	1		<	1		<	1	<	1	<	1
m,p-Xylenes	µg/L	NS	<	1		<	1		<	1	<	1	<	1
Methylene chloride	µg/L	0.2	<	2		<	2		<	2	<	2	<	2
Naphthalene	µg/L	25	<	2		<	2		<	2	<	2	<	2
o-Xylene	µg/L	NS	<	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
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< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-16S Analyte	Unit	USEPA ROD 1992 CUOs	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	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023
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	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 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	< 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	< 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	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000076 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 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	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	0.00203	0.0068	0.0016 J	0.0016 J	0.0019 J	0.0024	< 0.002	0.0019 J	< 0.002	0.0017 J
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	< 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	< 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	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	0.00057	< 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	0.000992	< 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	< 0.0002	< 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	0.35	< 0.01	< 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	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	0.00255	< 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	0.000486	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	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	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.16 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.49 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	0.43 J	< 2	< 2	1.2 J	< 2	< 2	< 2	0.52 J	< 2 B	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	0.12 J	< 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	0.61 J	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-16S Analyte	Unit	USEPA ROD 1992 CUOs	Result 10/25/2023	Result 2/13/2024	Result 5/9/2024	Result 8/28/2024	Result 11/20/2024	Result 2/25/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.00426	< 0.0002	< 0.002	0.00301 B	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
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 B	< 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	0.35	< 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	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 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	NS	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-16D Analyte	Unit	USEPA ROD 1992 CUOs	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	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023
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	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 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	< 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	< 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	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000076 J	< 0.0001	0.0016 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 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	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.00498	0.002 J	0.00206	< 0.002	< 0.002	0.00299	0.0017 J	< 0.002	< 0.002	0.0017 J	0.00241
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	< 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	< 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	< 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	< 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	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-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	< 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	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	0.00101	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	0.15 J	< 0.5	< 0.5	0.38 J	0.52	0.71	0.70	0.80	0.76
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.16 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.52 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	0.34 J	< 2	< 2	0.92 J	< 2	< 2	< 2	0.51 J	< 2 B	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	0.13 J	< 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	0.13 J	< 2	0.1 J	0.12 J	< 2	0.13 J	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	0.65 J	< 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
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Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-16D Analyte	Unit	USEPA ROD 1992 CUOs	Result 10/25/2023	Result 2/14/2024	Result 5/9/2024	Result 8/28/2024	Result 11/20/2024	Result 2/25/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.00726	0.00770	< 0.002	0.0101 B	0.00201	0.00615
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
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 B	< 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	0.35	< 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	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 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	0.64	0.71	< 0.5	< 0.5	0.41 J	< 0.5
Bromoform	µg/L	0.2	< 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	NS	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-17 Analyte	Unit	USEPA ROD 1992 CUOs	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	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023
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	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 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	< 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	< 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	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000074 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 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	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.0029	< 0.002	0.00739	< 0.002	< 0.002	< 0.002	0.00752	< 0.002	0.0144	< 0.002	0.0019 J
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	< 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	< 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	< 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	< 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	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-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	< 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	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	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	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.12 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.53 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	0.38 J	< 2	< 2	< 2	< 2	< 2	< 2	0.49 J	< 2 B	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	0.12 J	< 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	0.65 J	< 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
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Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-17 Analyte	Unit	USEPA ROD 1992 CUOs	Result 10/25/2023	Result 2/14/2024	Result 5/9/2024	Result 8/17/2024	Result 11/20/2024	Result 2/25/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	0.0115 B	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
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 B	< 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	0.35	< 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	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 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	NS	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-18S Analyte	Unit	USEPA ROD 1992 CUOs	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	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023
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	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 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 B	< 0.0003 B	< 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	< 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	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000071 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 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	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.00249	0.00329	< 0.002	0.00305	< 0.002	< 0.002	< 0.002	0.00228	< 0.002	0.00331	0.00295
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	< 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	< 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	< 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	< 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	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-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	< 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	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	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	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.11 J	0.13 J	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.39 J	0.45 J	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.48 J	< 2 B	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	0.11 J	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	0.13 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	0.39 J	0.56 J	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-18S Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024	Result 8/29/2024	Result 11/20/2024	Result 2/24/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	0.00266	0.00450	0.00180 BJ	0.00260	0.00334
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
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 B	< 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	< 0.0002
m,p-Cresol	mg/L	0.35	< 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	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	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
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 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
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Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-18D Analyte	Unit	USEPA ROD 1992 CUOs	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	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023
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	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 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	< 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	< 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	< 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	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 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	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	0.0019	0.00269	< 0.002	< 0.002	< 0.002	0.00295	0.00284	< 0.002	< 0.002	0.0015
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	< 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	< 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	< 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	< 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	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-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	< 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	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	0.00185	< 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	< 0.0002	< 0.0002
Benzene	µg/L	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	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	0.13	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	0.41	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.54	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	0.13	< 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	0.12
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	0.54	< 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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The laboratory reporting detection limit is shown.
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-18D Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024	Result 8/29/2024	Result 11/20/2024	Result 2/24/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	0.00227	0.00170 BJ	0.00383	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
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 B	< 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	< 0.0002
m,p-Cresol	mg/L	0.35	< 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	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.10 J	< 0.5
Bromoform	µg/L	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
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 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	0.19 J	0.21 J	0.36 J	0.36 J	0.31 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-19S Analyte	Unit	USEPA ROD 1992 CUOs	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	Result 9/7/2022	Result 11/29/2022	Result - DUP 11/29/2022	Result 2/14/2023	
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	< 0.0001	
Acenaphthylene	mg/L	0.21	< 0.0001	< 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	B < 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	< 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	< 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	< 0.0001	
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 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	< 0.0001	
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00238	< 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	< 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	< 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	< 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	< 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	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	
m,p-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	< 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	< 0.01	
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	
Phenanthrene	mg/L	0.21	< 0.0006	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	B < 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	
Benzene	µg/L	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	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.15	J < 1	< 1	< 1	< 1	< 1	< 1	< 1	
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.5	J < 1	< 1	< 1	< 1	< 1	< 1	< 1	
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.5	J 0.46	BJ < 2	B
o-Xylene	µg/L	NS	< 1	< 1	< 1	0.11	J < 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	0.61	J < 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-19S Analyte	Unit	USEPA ROD 1992 CUOs	Result - DUP 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024	Result 8/29/2024	Result 11/19/2024	Result 2/24/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	S	< 0.0001
Acenaphthylene	mg/L	0.21	< 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	S	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002		< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 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	< 0.0002	S	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	BS	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	S	< 0.0002
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	B	< 0.0002	< 0.0002	S	< 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	0.35	< 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	S	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004		< 0.0004
Phenanthrene	mg/L	0.21	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5
Bromoform	µg/L	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
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2
Naphthalene	µg/L	25	< 2	B	< 2	< 2	< 2	< 2	< 2		< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1
Toluene	µg/L	1000	< 2	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-19D Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result 2/16/2022	Result 5/9/2022	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.00016	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 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	B	< 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	< 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	< 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	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 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	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00391	< 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	< 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	< 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	< 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	< 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	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-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	< 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	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	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	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.13	J	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.5	J	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.47	BJ	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	0.12	J	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	0.12	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	0.62	J	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
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All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-19D Analyte	Unit	USEPA ROD 1992 CUOs	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024	Result 8/29/2024	Result 11/19/2024	Result 2/24/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	0.00201	< 0.002	< 0.002 B	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
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 B	< 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	0.35	< 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	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 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	NS	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-20 Analyte	Unit	USEPA ROD 1992 CUOs	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	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023
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	< 0.0001
Acenaphthylene	mg/L	0.21	0.000075 J	0.000330	0.000509	0.000498	0.000229	0.00062	0.00008 J	0.0007	0.000363	0.00067	0.00018
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	0.000388	0.000671	0.000565	0.000316	0.000693	0.000088 J	0.000921	0.00046	0.00065	0.00016
Benzo(a)pyrene	mg/L	0.0002	0.000238	0.001350	0.002230	0.00193	0.000893	0.00224	0.000337	0.00271	0.00167	0.00282	0.00068
Benzo(b)fluoranthene	mg/L	0.00018	0.000174	0.001070	0.001840	0.00173	0.000825	0.00198	0.000258	0.0024	0.00128	0.0022	0.00043
Benzo(g,h,i)perylene	mg/L	0.21	0.000243	0.001290	0.001970	0.00203	0.000894	0.00219	0.000441	0.00283	0.00159	0.00261	0.00075
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	0.000302	0.000497	0.000521	0.00017	0.000629	0.00008 J	0.000695	0.000393	0.00051	0.00016
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0016 J	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	0.000073 J	0.000548	0.000921	0.000754	0.000398	0.000937	0.000151	0.00118	0.000604	0.00094	0.00022
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	0.00018 J	0.000294	0.000376	0.00012 J	0.000408	< 0.0002	0.00049	0.00023	0.000475	0.00012 J
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	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	0.000342	0.000652	0.000616	0.000316	0.00069	< 0.0003	0.001	0.000582	0.00058	< 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	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	0.000892	0.001470	0.0014	0.000611	0.00161	0.000345	0.00202	0.00107	0.00178	0.00044
m,p-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	< 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	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 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	< 0.000200	0.000845	0.001510	0.00127	0.000613	0.00156	0.000208 B	0.00197	0.00112	0.00123	0.00036
Benzene	µg/L	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	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	0.12 J	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	0.47 J	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.47 BJ	< 2 B	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.16 J	< 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	0.47 J	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-20 Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024	Result 8/29/2024	Result 11/19/2024	Result 2/24/2025	GW20-FF 2/24/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	0.000635	0.000198	0.000172	0.000113	0.000285	0.000192	< 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	0.00098	0.000314	0.000177	0.000089 J	0.000203	0.000205	0.000072 J	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	0.00315	0.00111	0.000579	0.000328	0.000883	0.000535	0.000241	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	0.00269	0.000961	0.000563	0.000282	0.000745	0.000710	0.000211	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	0.00324	0.00112	0.000562	0.000566	0.000992	0.000832	0.000238	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	0.00077	0.000288	0.000153	< 0.000200	0.000252	0.000180 J	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.0016 J	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	0.00131	0.000468	0.000236	0.000170 J	0.000344	0.000247	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	0.00068	0.00016 J	< 0.002	< 0.0002	0.00013 J	< 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	0.00107	0.000333	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	0.00234	0.000712	0.000374	0.000314	0.000746	0.000492	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 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	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	0.00227	0.000534	0.000294	0.000212	0.000428	0.000422	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	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
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	0.13 J	< 2
trans-1,2-Dichloroethene	µg/L	100	0.48 J	0.52 J	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-22S Analyte	Unit	USEPA ROD 1992 CUOs	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	Result 5/10/2022	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023
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	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.000068 J	< 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	< 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	< 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	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000071 J	0.00007 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 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	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.0017 J	0.00472	0.00983	0.00753	< 0.002 B	0.0016 BJ	< 0.002	0.00347	< 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	< 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	< 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	< 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	< 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	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-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	< 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	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 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	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	0.14 J	< 1	< 1	< 1	0.11 J	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	0.2 J	< 1	< 1	0.39 J	0.47 J	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.47 BJ	< 2 B	< 2
o-Xylene	µg/L	NS	< 1	0.13 J	< 1	< 1	< 1	0.11 J	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.12 J	< 2	0.22 J	0.25 J	< 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	0.33 J	< 2	< 2	< 2	0.39 J	0.58 J	< 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 ROD CUO
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-22S Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/14/2023	Result 10/26/2023	Result 2/15/2024	Result 5/9/2024	Result - DUP 5/9/2024	Result 8/30/2024	Result 11/21/2024	Result - DUP 11/21/2024	Result 2/26/2025	Result - DUP 2/26/2025
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	0.21	< 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	0.000078 J	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.0019 J	0.00380	0.00242	< 0.002	< 0.002	0.0018 BJ	0.0018 J	0.00279	< 0.002	0.00249
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	0.000065 J	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
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	0.00029 J	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002 B	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 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	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	115	8.66	8.58	0.88	3.23	3.07	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	1.98	< 1	< 1	< 1	< 1	< 1	< 1	0.13 J
m,p-Xylenes	µg/L	NS	< 1	< 1	0.75 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	2.51	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	1.0 J	< 2	< 2	0.15 J	< 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	3.26	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-22D Analyte	Unit	USEPA ROD 1992 CUOs	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	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023
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	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 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	< 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	< 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	< 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	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 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	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002 B	< 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	< 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	< 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	< 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	< 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	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-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	< 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	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	0.00096	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	0.52	1.2	0.45 J	0.21 J	< 0.5 S	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.12 J	< 1 S	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.43 J	< 1 S	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 B	0.59 J	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	0.11 J	< 1 S	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2 S	< 2	< 2	0.11 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	0.54 J	< 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
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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-22D Analyte	Unit	USEPA ROD 1992 CUOs	Result 10/26/2023	Result - DUP 10/26/2023	Result 2/15/2024	Result 5/9/2024	Result 8/30/2024	Result 11/21/2024	Result 2/26/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002
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	< 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	0.35	< 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	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	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
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-25 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/23/2021	Result 5/12/2021	Result 8/11/2021	Result 11/8/2021	Result 2/15/2022	Result 5/10/2022	Result 9/6/2022	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023
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	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 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	< 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	< 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	< 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	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 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	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 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	< 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	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.012 J	< 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	< 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	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-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	< 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	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	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	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.11 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.48 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	3.29	< 2	< 2	< 2	< 2	< 2	< 2 B	0.46 BJ	< 2 B	< 2	1.5 J
o-Xylene	µg/L	NS	< 1	< 1	< 1	0.1 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.4 J	0.29 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	0.58 J	< 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
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The laboratory reporting detection limit is shown.
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mg/L = milligrams per liter
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Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-25 Analyte	Unit	USEPA ROD 1992 CUOs	Result 10/26/2023	Result 2/15/2024	Result 5/9/2024	Result 8/28/2024	Result 11/21/2024	Result 3/18/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001 SR	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003 SR	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002 S	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0002 S	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002 S	0.0017 BJ	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0002 SR	< 0.0002	< 0.0002	< 0.0002
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 S	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002 B	< 0.0002	< 0.0002 R	< 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	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 SR	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002 S	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	0.16 J	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 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	NS	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	3.77	< 2	< 2	0.86 J	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	0.18 J	< 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-26 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/24/2021	Result 5/11/2021	Result 8/12/2021	Result 11/8/2021	Result 2/15/2022	Result 5/10/2022	Result 9/6/2022	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	0.000072 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 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	0.000081 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 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	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0018 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	< 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	0.000215	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 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	0.025	< 0.0004	< 0.0004	0.00429	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.15 J	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.52 J	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	0.52 J	< 2	< 2	< 2	< 2	< 2	< 2	< 2 B	< 2 B	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	0.12 J	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.21 J	< 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	0.64 J	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
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E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-26 Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/15/2023	Result 10/26/2023	Result 2/15/2024	Result 5/8/2024	Result 8/29/2024	Result 11/20/2024	Result 3/18/2025
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 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	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
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 B	< 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	< 0.0002
m,p-Cresol	mg/L	0.35	< 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	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	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	0.12 J	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	0.69 J	< 2	< 2	< 2	< 2	4.25	< 2
o-Xylene	µg/L	NS	< 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
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

QC Samples Analyte	Unit	USEPA ROD 1992 CUOs	Equipment 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	Equipment Blank 1 Result 11/9/2021	Trip Blank 1 Result 2/17/2022	Trip Blank 2 Result 2/17/2022	Trip Blank 1 Result 5/12/2022	Trip Blank 2 Result 5/12/2022	Equipment Blank 1 Result 9/8/2022	
Acenaphthene	mg/L	0.42	< 0.0001	NA	NA	NA	NA	< 0.0001	NA	NA	NA	NA	< 0.0001	
Acenaphthylene	mg/L	0.21	< 0.0001	NA	NA	NA	NA	< 0.0001	NA	NA	NA	NA	< 0.0001	
Anthracene	mg/L	2.1	< 0.0003	NA	NA	NA	NA	< 0.0003	NA	NA	NA	NA	< 0.0003	
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	NA	NA	NA	NA	< 0.0001	NA	NA	NA	NA	< 0.0001	
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	NA	NA	NA	NA	< 0.0002	NA	NA	NA	NA	< 0.0002	
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	NA	NA	NA	NA	< 0.0001	NA	NA	NA	NA	< 0.0001	
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	NA	NA	NA	NA	< 0.0002	NA	NA	NA	NA	< 0.0002	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	NA	NA	NA	NA	< 0.0001	NA	NA	NA	NA	< 0.0001	
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	NA	NA	NA	NA	0.002 BJ	NA	NA	NA	NA	< 0.002	
Chrysene	mg/L	0.0015	< 0.0001	NA	NA	NA	NA	< 0.0001	NA	NA	NA	NA	< 0.0001	
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	NA	NA	NA	NA	< 0.0002	NA	NA	NA	NA	< 0.0002	
Di-n-butyl phthalate	mg/L	0.7	< 0.01	NA	NA	NA	NA	< 0.01	NA	NA	NA	NA	< 0.01	
Fluoranthene	mg/L	0.28	< 0.0003	NA	NA	NA	NA	< 0.0003	NA	NA	NA	NA	< 0.0003	
Fluorene	mg/L	0.28	< 0.0002	NA	NA	NA	NA	< 0.0002	NA	NA	NA	NA	< 0.0002	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	NA	NA	NA	NA	< 0.0002	NA	NA	NA	NA	< 0.0002	
m,p-Cresol	mg/L	0.35	< 0.01	NA	NA	NA	NA	< 0.01	NA	NA	NA	NA	< 0.01	
o-Cresol	mg/L	0.35	< 0.0004	NA	NA	NA	NA	< 0.0004	NA	NA	NA	NA	< 0.0004	
Naphthalene	mg/L	0.025	< 0.01	NA	NA	NA	NA	< 0.01	NA	NA	NA	NA	< 0.01	
Phenanthrene	mg/L	0.21	< 0.0006	NA	NA	NA	NA	< 0.0006	NA	NA	NA	NA	< 0.0006	
Pyrene	mg/L	0.21	< 0.0002	NA	NA	NA	NA	< 0.0002	NA	NA	NA	NA	< 0.0002	
Benzene	µg/L	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	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	<
Ethylbenzene	µg/L	700	< 1	< 1	< 1	0.21 J	0.2 J	0.12 J	< 1	< 1	< 1	< 1	< 1	<
m,p-Xylenes	µg/L	NS	< 1	< 1	0.21 J	0.85 J	0.93 J	0.37 J	< 1	< 1	< 1	< 1	< 1	<
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	<
Naphthalene	µg/L	25	< 2	< 2	< 2	0.67 J	< 2	< 2	< 2	< 2	< 2	< 2	< 2	<
o-Xylene	µg/L	NS	< 1	< 1	< 1	0.16 J	0.19 J	< 1	< 1	< 1	< 1	< 1	< 1	<
Toluene	µg/L	1000	< 2	< 2	< 2	0.11 J	0.11 J	< 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	1 J	1.1 J	0.37 J	< 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 ROD CUO

< = Compound not detected at concentrations above the laboratory reporting detection limit.

The laboratory reporting detection limit is shown.

USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives

All analyses performed by Teklab, Inc.

mg/L = milligrams per liter

µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
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Taylorville, Illinois

QC Samples Analyte	Unit	USEPA ROD 1992 CUOs	Trip Blank 1 Result 9/8/2022	Equipment Blank 1 Result 11/30/2022	Trip Blank 1 Result 11/30/2022	Trip Blank 2 Result 11/30/2022	Equipment Blank 1 Result 2/14/2023	Trip Blank 1 Result 2/15/2023	Trip Blank 2 Result 2/15/2023	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	Equipment Blank 1 Result 10/26/2023
Acenaphthene	mg/L	0.42	NA	< 0.0001	NA	NA	< 0.0001	NA	NA	NA	NA	NA	NA	< 0.0001
Acenaphthylene	mg/L	0.21	NA	< 0.0001	NA	NA	< 0.0001	NA	NA	NA	NA	NA	NA	< 0.0001
Anthracene	mg/L	2.1	NA	< 0.0003	NA	NA	< 0.0003	NA	NA	NA	NA	NA	NA	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	NA	< 0.0001	NA	NA	< 0.0001	NA	NA	NA	NA	NA	NA	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA	NA	NA	NA	NA	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	NA	< 0.0001	NA	NA	< 0.0001	NA	NA	NA	NA	NA	NA	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	NA	< 0.0002	NA	NA	< 0.0002	NA	NA	NA	NA	NA	NA	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	NA	< 0.0001	NA	NA	< 0.0001	NA	NA	NA	NA	NA	NA	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	NA	< 0.002	NA	NA	< 0.002	NA	NA	NA	NA	NA	NA	< 0.002
Chrysene	mg/L	0.0015	NA	< 0.0001	NA	NA	< 0.0001	NA	NA	NA	NA	NA	NA	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	NA	< 0.0002	NA	NA	< 0.0002	NA	NA	NA	NA	NA	NA	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	NA	< 0.01	NA	NA	< 0.01	NA	NA	NA	NA	NA	NA	< 0.01
Fluoranthene	mg/L	0.28	NA	< 0.0003	NA	NA	< 0.0003	NA	NA	NA	NA	NA	NA	< 0.0003
Fluorene	mg/L	0.28	NA	< 0.0002	NA	NA	< 0.0002	NA	NA	NA	NA	NA	NA	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	NA	< 0.0002	NA	NA	< 0.0002	NA	NA	NA	NA	NA	NA	< 0.0002
m,p-Cresol	mg/L	0.35	NA	< 0.01	NA	NA	< 0.01	NA	NA	NA	NA	NA	NA	< 0.01
o-Cresol	mg/L	0.35	NA	< 0.0004	NA	NA	< 0.01	NA	NA	NA	NA	NA	NA	< 0.0004
Naphthalene	mg/L	0.025	NA	< 0.01	NA	NA	< 0.0004	NA	NA	NA	NA	NA	NA	< 0.01
Phenanthrene	mg/L	0.21	NA	< 0.0006	NA	NA	< 0.0006	NA	NA	NA	NA	NA	NA	< 0.0006
Pyrene	mg/L	0.21	NA	< 0.0002	NA	NA	< 0.0002	NA	NA	NA	NA	NA	NA	< 0.0002
Benzene	µg/L	5	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	0.2	2	< 0.2	< 0.2	< 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	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	2	0.46 BJ	0.46 BJ	0.78 J	< 2 B	< 2 B	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	2	1.1 J	< 2	< 2	1.2 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	< 2	< 2
Xylenes, Total	µg/L	10000	2	< 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

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 ROD CUO

< = Compound not detected at concentrations above the laboratory reporting detection limit.

The laboratory reporting detection limit is shown.

USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives

All analyses performed by Teklab, Inc.

mg/L = milligrams per liter

µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2021 - February/March 2025
Ameren Taylorville Former MGP Site
Taylorville, Illinois

[illegible]

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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mg/L = milligrams per liter
µg/L = micrograms per liter



ATTACHMENT E DATA VALIDATION SUMMARY



MEMO

TO	Michael Abegg
FROM	Rachel James
DATE	2025-03-31
REFERENCE	0760991
SUBJECT	Data Review of Ameren Taylorville, 1Q25 Groundwater Monitoring Samples. Samples Collected February 24-26, 2025: Teklab, Inc., Data Package(s) 25021909 and 25031616.

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

ERM performed a Stage 2A data validation on 80 percent of the laboratory data, and a Stage 3 data validation on 20 percent of the laboratory data.

ERM reviewed the following items 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.
- **Case Narrative:** The case narrative was reviewed for comments and any necessary qualifiers added.
- **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.

- **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.
- **Laboratory Control Spike Samples:** Laboratory control spike sample preparation frequency and recoveries were reviewed as applicable.
- **Matrix Spike Samples:** Matrix spike and post digestion spike 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.
- **Field Duplicate Samples:** Field duplicate recoveries and/or 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, surrogate, post digestion spike, and serial dilution samples), duplicate sample results, continuing calibration results, tune percent ratios, instrument performance check responses, and retention time windows were recalculated.

Data validation findings are summarized in the sections below. As necessary, the following data quality flags were applied during validation. Professional judgment was used when multiple flags were applied to one result; therefore, the final flag may differ from the one presented in an individual table.

- 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 tables at the end of this memo. The table below indicates the included validation tables with findings.

List of Attached Tables

Table 1: Sample Summary

Table 2: Samples with Non-Preferred Results

Table 3: Preservation Evaluation

Table 4: Laboratory Blank Evaluation

Table 5: Field Blank Evaluation

Table 6: Laboratory Control Spike Evaluation

Table 7: Matrix Spike Evaluation

Table 8: Surrogate Evaluation

Table 9: Field Duplicate Evaluation

Table 10: Calibration Range Evaluation

CHAIN-OF-CUSTODY DISCREPANCIES

The laboratory did not note discrepancies between the chains-of-custody and the received sample containers, with the following exceptions.

- **25021909 and 25031616:** 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.

SAMPLES WITH NON-PREFERRED RESULTS

Samples referenced in Table 2 had more than one final result reported for a single analyte and method combination due to the following possible reasons.

- Suspected contamination during sample preparation; samples were re-collected and those results are preferred.

Non-preferred results are considered not reportable and should not be used for reporting or for decision making purposes. Non-preferred results have been excluded from the subsequent outlier tables in this report.

CASE NARRATIVE EVALUATION

The laboratory did not note issues in the case narrative that warranted further explanation.

PRESERVATION EVALUATION

The laboratory received the sample shipments in good condition, within the method-prescribed temperature preservation requirements of less than 6°C, with acceptable pH values, and, as applicable, all vials for volatile analysis were received with no documented headspace, with the exceptions and any necessary qualifications noted in Table 3.

Sample preservation situations requiring additional professional judgement are detailed below.

- The non-detected volatile organic compound results for samples containing headspace were consistent with historical results; therefore, they were not rejected and were qualified as estimated non-detects (UJ).

HOLDING TIME EVALUATION

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 instrument tuning criteria met method acceptance criteria.

INITIAL CALIBRATION EVALUATION

The initial calibrations met the minimum number of calibration standards, required percent standard deviation (%RSD), relative correlation coefficient (r^2), and/or minimum relative response factor (RRF) limits (as applicable to the methods) for target analytes.

CALIBRATION VERIFICATION EVALUATION

The initial and continuing calibration verifications were within required percent difference (%D) or percent recoveries (%R) and relative response factor (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, with the exceptions and any necessary qualifications noted in Table 4. The following

criteria were taken into consideration when assessing blank contamination and applying any necessary qualifications:

- Non-detected results or results greater than five times the blank concentration (ten times for inorganics or common laboratory contaminants) were considered not affected by contamination and were not qualified.
- If results were associated with more than one blank, the greater of the two blank concentrations was used for applying qualifications.
- Results less than the reporting limit, as adjusted for dilution, were qualified as non-detect (U) at the sample reporting limit.
- Results within five times the blank concentration (ten times for inorganics or common laboratory contaminants), greater than the reporting limit, but less than the blank concentration, as adjusted for dilution, were qualified as non-detect (U) at the sample concentration.
- Results within five times the blank concentration (ten times for inorganics or common laboratory contaminants), greater than the reporting limit, and greater than the blank concentration, as adjusted for dilution, were qualified as estimates with a high bias (J+).

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 5. Any field blank detections associated with laboratory blank contamination and qualified as non-detected (U) are not included in Table 5. The following criteria were taken into consideration when assessing blank contamination and applying any necessary qualifications:

- Non-detected results or results greater than five times the blank concentration (ten times for inorganics or common laboratory contaminants) were considered not affected by contamination and were not qualified.
- If results were associated with more than one blank, the greater of the two blank concentrations was used for applying qualifications.
- Results less than the reporting limit were qualified as non-detect (U) at the sample reporting limit.
- Results within five times the blank concentration (ten times for inorganics or common laboratory contaminants), greater than the reporting limit, but less than the blank concentration were qualified as non-detect (U) at the sample concentration.

- Results within five times the blank concentration (ten times for inorganics or common laboratory contaminants), greater than the reporting limit, and greater than the blank concentration were qualified as estimates with a high bias (J+).
- Equipment and field blank results associated with method blank contamination were attributed to and qualified for laboratory introduced contamination. No additional qualifications were made to sample results based on the equipment and/or field blanks in these instances.

LABORATORY CONTROL SPIKE EVALUATION

The laboratory control sample (LCS) recoveries and, if included, the laboratory control sample duplicate (LCSD) recoveries and relative percent differences (RPD) were within the laboratory's limits of acceptance, with the exceptions and any necessary qualifications noted in Table 6. Results were not qualified if the paired spiked sample recovery was acceptable, if high recoveries or RPDs were associated with non-detected results, or if the exception was not associated with reported results.

MATRIX SPIKE EVALUATION

The matrix spike (MS) recoveries and, if included, the 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 7. MS/MSDs performed on non-project parent samples, if included, are not representative of the matrix for this project and were therefore not reviewed or presented. Results were not qualified if the paired spiked sample recovery was acceptable, if high recoveries or RPDs were associated with non-detected results, if the parent sample result was greater than four times that of the spike, if the spike was diluted out, or if the exception was not associated with reported results.

SURROGATE EVALUATION

The surrogate recoveries were within the laboratory limits of acceptance, with the exceptions and any necessary qualifications noted in Table 8. Results were not qualified if the sample dilution factor was greater than or equal to 10, if high recoveries were associated with non-detected results, if only one acid or base/neutral surrogate for semivolatiles was out, if the affected surrogate was not associated with reported analytes, or if the affected sample was laboratory quality control.

INTERNAL STANDARD EVALUATION

The internal standard responses for reported results were within acceptable limits. The acceptable internal standard responses indicate that the instrument sensitivity and responses were stable during each analysis.

FIELD DUPLICATE EVALUATION

One or more samples were submitted to the laboratory as field duplicates. RPDs or absolute differences were calculated as appropriate for detected results. When results were greater than or equal to five times the reporting limit, RPD control limits of 30 for an aqueous matrix or 50 for a non-aqueous matrix were used. When results were less than five times the reporting limit, difference limits of $\pm$ two times the reporting limit for an aqueous matrix or $\pm$ four times the reporting limit for a non-aqueous matrix were used. Control limits were not applicable if both results were less than the reporting limits. If one result was greater than the reporting limit and the other was not detected, the reporting limit for the non-detect result was used when calculating differences. Additionally, if the reporting limits were not the same between the parent and field duplicate samples, professional judgment was used to determine the difference control limit or if the calculation was meaningful. The RPDs and/or absolute differences were within QAPP criteria or EPA Region 1 guidance, whichever is applicable, with any exceptions and necessary qualifications noted in Table 9.

CALIBRATION RANGE EVALUATION

All results were reported within each instrument's calibration range, with the exceptions and any necessary qualifications noted in Table 10.

RECALCULATION

All result recalculations performed agreed with reported results.

PROFESSIONAL JUDGEMENT EVALUATION

Additional qualifiers using the validator's professional judgement were not necessary.

OVERALL ASSESSMENT

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

Table 1
Sample Summary
1Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	VOCs (8260B)	SVOCs (8270C)
25021909	GW-04R-WG-20250226	25021909-001	Groundwater	2/26/2025	-	x	x
	GW-05-WG-20250225	25021909-002	Groundwater	2/25/2025	-	x	x
	GW-07-WG-20250225	25021909-003	Groundwater	2/25/2025	-	x	x
	GW-14-WG-20250225	25021909-004	Groundwater	2/25/2025	-	x	x
	GW-15-WG-20250226	25021909-005	Groundwater	2/26/2025	-	x	x
	GW-16S-WG-20250225	25021909-006	Groundwater	2/25/2025	-	x	x
	GW-16D-WG-20250225	25021909-007	Groundwater	2/25/2025	-	x	x
	GW-17-WG-20250225	25021909-008	Groundwater	2/25/2025	-	x	x
	GW-18S-WG-20250224	25021909-009	Groundwater	2/24/2025	-	x	x
	GW-18D-WG-20250224	25021909-010	Groundwater	2/24/2025	-	x	x
	GW-19S-WG-20250224	25021909-011	Groundwater	2/24/2025	-	x	x
	GW-19D-WG-20250224	25021909-012	Groundwater	2/24/2025	-	x	x
	GW-20-WG-20250224	25021909-013	Groundwater	2/24/2025	-	x	x
	GW-22S-WG-20250226	25021909-014	Groundwater	2/26/2025	-	x	x
	GW-22D-WG-20250226	25021909-015	Groundwater	2/26/2025	-	x	x
	DUP-001-WG-20250226	25021909-016	Groundwater	2/26/2025	GW-04R-WG-20250226	x	x
	TB-001-WQ-20250226	25021909-017	Water Quality	2/26/2025	-	x	
	DUP-002-WG-20250226	25021909-018	Groundwater	2/26/2025	GW-22S-WG-20250226	x	x

Table 1
Sample Summary
1Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	VOCs (8260B)	SVOCs (8270C)
25021909	GW-25-WG-20250225	25021909-019	Groundwater	2/25/2025	-	x	x
	GW-26-WG-20250225	25021909-020	Groundwater	2/25/2025	-	x	x
	EQB-001-WQ-20250224	25021909-021	Water Quality	2/24/2025	-	x	x
	GW-20FF-WG-20250224	25021909-022	Groundwater	2/24/2025	-	x	x
25031616	GW-05-WG-20250318	25031616-001	Groundwater	3/18/2025	-	x	x
	TB-001-WQ-20250318	25031616-002	Water Quality	3/18/2025	-	x	
	GW-25-WG-20250318	25031616-003	Groundwater	3/18/2025	-	x	x
	GW-26-WG-20250318	25031616-004	Groundwater	3/18/2025	-	x	x

Notes:

- = not applicable

x = Analysis completed

EQB = equipment blank

SVOCs = semivolatile organic compounds

TB = trip blank

VOCs = volatile organic compounds

Table 2
Samples with Non-Preferred Results
1Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Analysis Date/Time	Reason	Analyte	Result	Units
25021909	GW-05-WG-20250225	8270C	3/1/2025 16:41	Suspected contamination during sample preparation; samples were re-collected and those results are preferred	All	Varies	Varies
		8260B	2/27/2025 10:01 2/27/2025 22:25				
	GW-25-WG-20250225	8270C	2/28/2025 15:30				
		8260B	2/28/2025 5:30				
	GW-26-WG-20250225	8270C	3/1/2025 19:55				
		8260B	2/28/2025 6:45				

Table 3
Preservation Evaluation
1Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Sample Condition	Preservation Requirement	Analyte	ERM Qualifier
25021909	GW-07-WG-20250225	8260B	Headspace present in all vials for volatiles analysis	No headspace	All	Detects J Nondetects UJ
	GW-14-WG-20250225					
	GW-16D-WG-20250225					
	GW-18D-WG-20250224					
	GW-19D-WG-20250224					
	GW-20-WG-20250224					
	GW-18S-WG-20250224	8260B	Headspace present in one of two vials for volatiles analysis	No headspace	None for qualification, one headspace-free vial available for analysis	--
	GW-19S-WG-20250224					
	GW-20FF-WG-20250224					
25031616	All	All	Receipt temperature = 14.3°C	Receipt temperature 0-6°C	None for qualification, samples received on day of collection and were on ice	--

Notes:

°C = degrees Celsius

-- = not applicable; associated data not affected

J = estimated detected result

UJ = non-detected, estimated report limit

Table 4
Laboratory Blank Evaluation
1Q25 Groundwater Monitoring Samples
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
25021909	MBLK-AE250227A-1	Naphthalene 8260B	1.0	5.0	None for qualification, samples ND or > 5x blank	--	--	µg/L	--

Notes:

-- = not applicable; associated data not affected

Conc. = concentration

MBLK = method blank

µg/L = micrograms per liter

ND = not detected

RL = reporting limit

Table 5
Field Blank Evaluation
1Q25 Groundwater Monitoring Samples
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
25021909	TB-001-WQ-20250226	Ethylbenzene	0.55	1.0	DUP-002-WG-20250226	0.13	1.0	µg/L	1.0 U
		Toluene	0.20	2.0	GW-20FF-WG-20250224	0.13	2.0	µg/L	2.0 U
		o-Xylene	0.39	1.0	None for qualification, samples ND or > 5x blank	--	--	µg/L	--
		Xylenes, Total	0.39	2.0		--	--	µg/L	--

Notes:

-- = not applicable; associated data not affected

Conc. = concentration

µg/L = micrograms per liter

RL = reporting limit

TB = trip blank

U = non-detected

Table 6
Laboratory Control Spike Evaluation
1Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
25021909	LCS-235329 LCSD-235329	None for qualification, one recovery passes	m,p-Cresol	61.2/Pass	61.4-105	Pass	34.5	--	--	--

Notes:

-- = not applicable; associated data not affected

LCS = laboratory control sample

LCSD = laboratory control sample duplicate

RPD = relative percent difference

Table 7
Matrix Spike Evaluation
1Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
25021909	GW-25-WG-20250225 MS/MSD	None for qualification, parent sample results not preferred	Acenaphthene	58.6/Pass	62.7-99	Pass	18.6	--	--	--
			Acenaphthylene	63.2/Pass	65.3-112	Pass	18.6	--	--	--
			Naphthalene 8270C	54.1/55.8	60.6-101	Pass	18.6	--	--	--

Notes:

-- = not applicable; associated data not affected

MS = matrix spike

MSD = matrix spike duplicate

mg/L = milligrams per liter

ND = not detected

RPD = relative percent difference

UJ = non-detected, estimated report limit

Table 8
Surrogate Evaluation
1Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Surrogate	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
25021909	GW-17-WG-20250225	8270C	2,4,6-Tribromophenol	168.8	31.7-161	None for qualification, all results ND	1	--
25031616	GW-05-WG-20250318	8270C	p-Terphenyl-d14	147.3	44-147	None for qualification, all results ND	1	--

Notes:

-- = not applicable; associated data not affected

ND = not detected

Table 9
Field Duplicate Evaluation
1Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Primary/Duplicate Sample ID	Analyte	Concentration		Report Limit		Units	AbD	RPD	Limit	ERM Qualifier
			Sample	Duplicate	Sample	Duplicate					
25021909	GW-04R-WG-20250226/ DUP-001-WG-20250226	Acenaphthene	0.0291	0.0317	0.00100	0.00100	mg/L	--	8.6	30	--
		Acenaphthylene	0.0197	0.0242	0.00100	0.00100	mg/L	--	21	30	--
		Anthracene	0.00518	0.00655	0.00300	0.00300	mg/L	0.00137	--	0.00600	--
		Benzo(a)anthracene	0.0140	0.0175	0.00100	0.00100	mg/L	--	22	30	--
		Benzo(a)pyrene	0.0019	0.00260	0.0020	0.00200	mg/L	0.0007	--	0.00400	--
		Benzo(b)fluoranthene	0.0198	0.0237	0.00200	0.00200	mg/L	--	18	30	--
		Benzo(g,h,i)perylene	0.00450	0.00570	0.00200	0.00200	mg/L	0.00120	--	0.00400	--
		Benzo(k)fluoranthene	0.00655	0.00792	0.00200	0.00200	mg/L	0.00137	--	0.00400	--
		Chrysene	0.0304	0.0395	0.00200	0.00200	mg/L	--	26	30	--
		Dibenzo(a,h)anthracene	0.00231	0.00294	0.00200	0.00200	mg/L	0.00063	--	0.00400	--
		Fluorene	0.0758	0.0817	0.0500	0.0500	mg/L	0.0059	--	0.1000	--
		Fluoranthene	ND	0.068	0.0750	0.075	mg/L	--	--	NA	--
		Indeno(1,2,3-cd)pyrene	0.00502	0.00667	0.00200	0.00200	mg/L	0.00165	--	0.00400	--
		Naphthalene 8270C	0.497	0.481	0.100	0.100	mg/L	0.016	--	0.200	--
		Phenanthrene	0.187	0.206	0.150	0.150	mg/L	0.019	--	0.300	--
		Pyrene	0.0413	0.0512	0.00200	0.0500	mg/L	0.0099	--	0.00400	J
		Benzene	1030	976	5.00	5.0	µg/L	--	5.4	30	--
		Ethylbenzene	332	309	10.0	10.0	µg/L	--	7.2	30	--
		m,p-Xylenes	73.9	64.2	10.0	10.0	µg/L	--	14	30	--
		Naphthalene 8260B	858	1010	20.0	20.0	µg/L	--	16	30	--
		o-Xylene	210	195	10.0	10.0	µg/L	--	7.4	30	--
		Toluene	162	186	20.0	2.00	µg/L	--	14	30	--
		Xylenes, Total	284	259	20.0	20.0	µg/L	--	9.2	30	--

Table 9
Field Duplicate Evaluation
1Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Primary/Duplicate Sample ID	Analyte	Concentration		Report Limit		Units	AbD	RPD	Limit	ERM Qualifier
			Sample	Duplicate	Sample	Duplicate					
25021909	GW-22S-WG-20250226/ DUP-002-WG-20250226	Bis(2-ethylhexyl)phthalate	ND ¹	0.00249	0.00200	0.00200	mg/L	0.00049	--	0.00400	--
		Ethylbenzene	ND	0.13	1.00	1.00	µg/L	--	--	NA	--

Notes:

-- = not applicable; associated data not affected

AbD = absolute difference

J = estimated detected result

µg/L = micrograms per liter

mg/L = milligrams per liter

NA = not applicable

ND = not detected

ND¹ = the report limit was used for comparison purposes

RPD = relative percent difference

Table 10
Calibration Range Evaluation
1Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Analyte	Reported Concentration	Units	ERM Qualifier
25021909	GW-19S-WG-20250224	2,4,6-Tribromophenol (surrogate)	135.7	%	None for surrogate analyte