October 15, 2025

Mr. Greggory 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 Third 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.

Third Quarter 2025 – Events

- Third quarter 2025 groundwater samples collected in August 2025 (results attached).
- Third quarter 2025 pump and treat system samples (results attached).

Fourth Quarter 2025 – Plans

- Collect fourth quarter 2025 groundwater samples in November.

Problems Encountered or Anticipated Problems

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

We have treated 1,411,998,957 gallons of groundwater through the system since startup until the end of September 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,

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

Attachments

Attachments

Pumping Summary and Treatment Plant Results (July - September)

Monitoring Well Location Map

Year 2025 Quarter 3 Groundwater Sampling Results

MGP Pump & Treat System Summary
Taylorville, Illinois
July 2025

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Jul-25					
1	9,901,654	49,451	West	NM (1)	46
2	9,951,105	27,860	West	NM (1)	46
3	9,978,965	71,198	West	NM (1)	46
4	50,164	62,556	West	NM (1)	44
5	112,720	73,781	West	NM (1)	45
6	186,501	134,865	West	NM (1)	46
7	321,366	74,076	West	NM (1)	44
8	395,442	72,980	West	NM (1)	43
9	468,422	49,586	West	NM (1)	44
10	518,008	80,346	West	NM (1)	44
11	598,354	15,392	West	NM (1)	45
12	613,746	67,031	West	NM (1)	45
13	680,777	95,652	West	NM (1)	45
14	776,429	120,645	West	NM (1)	45
15	897,074	19,769	West	NM (1)	45
16	916,843	40,011	West	NM (1)	46
17	956,854	57,510	West	NM (1)	46
18	1,014,364	71,348	West	NM (1)	44
19	1,085,712	67,921	West	NM (1)	44
20	1,153,633	69,530	West	NM (1)	45
21	1,223,163	54,208	West	NM (1)	46
22	1,277,371	47,626	West	NM (1)	46
23	1,324,997	29,561	West	NM (1)	46
24	1,354,558	58,879	West	NM (1)	46
25	1,413,437	58,657	West	NM (1)	44
26	1,472,094	118,199	West	NM (1)	44
27	1,590,293	25,813	West	NM (1)	45
28	1,616,106	51,760	West	NM (1)	46
29	1,667,866	45,539	West	NM (1)	47
30	1,713,405	33,560	West	NM (1)	47
31	1,746,965	71,811	West	NM (1)	47
Aug-25	1,818,776		West	NM (1)	45

NM = Not measured
(1) Not measured - RW abandoned

Flow Data	**Gallons**
For Month	1,917,121
To Pond	1,511,782
Below Pond	405,339
Average	61,843
Maximum	134,865
Minimum	15,392
Total Through June	1,406,534,999
Total Through July	1,408,452,120

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None	None	
Back Washed Vessels	None	7/6/2025	
Changed Bag Filters	**North**	**Middle**	**South**
	7/10/2025	7/10/2025	7/10/2025
	7/17/2025	7/17/2025	7/17/2025
	7/31/2025	7/31/2025	7/31/2025

Drum Disposal No

Notes:
Flow totalizer reset on 7/4/2025

On 7/25/2025 Effluent discharge was re-diverted to pond.

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
July 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	7/2/2025		7/9/2025		7/16/2025		7/23/2025		7/30/2025		Average	Maximum	
Lab pH		-	-	-	7.18	H	7.01	H	6.89	H	7.08	H	7.03	H	7.04	7.18	H
Iron, Dissolved	mg/L	-	-	-	0.0853		0.494		0.373		0.05		0.07		0.21	0.49	
Iron, Total	mg/L	-	-	-	0.99		1.62		0.997		1.01		0.95		1.11	1.62	
Acenaphthene	mg/L	-	-	0.42	0.00819		0.01400		0.01360		0.00865		0.00994		0.01088	0.01400	
Acenaphthylene	mg/L	-	-	-	0.0012		0.00453		0.00458		0.00199		0.00292		0.003044	0.00458	
Anthracene	mg/L	-	-	2.1	0.00215		0.00315		0.00283		0.00232		0.00		0.002532	0.00315	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000138**		**0.000145**		**0.000180**		**0.000166**		**0.000150**		0.000156	**0.000180**	
Benzo(a)pyrene	mg/L	-	-	0.00023	ND		ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		0.00014	J	0.00012	J	ND		0.00013	J	0.00013	0.00014	J
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00203		0.00236		0.00247		0.00204	B	0.00		0.00216	0.00247	
Fluorene	mg/L	-	-	-	0.00468		0.00545		0.0057		0.00462		0.00		0.00498	0.00570	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	ND		ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	0.35	0.00086	J	ND		0.00072	J	0.00071	J	ND		0.00076	0.00086	J
Phenanthrene	mg/L	-	-	-	0.00874		0.01670		0.01410		0.00937		0.01010		0.01180	0.01670	
Pyrene	mg/L	-	-	-	0.00272		0.00323		0.00297		0.00238	B	0.00220		0.0027	0.00323	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0298		0.0497		0.0465		0.0315		0.034		0.0383	0.0497	
Benzene	µg/L	-	-	5	**56.7**		**70.7**		**71.2**		**49.1**		**48.4**		59.2	**71.2**	
Ethylbenzene	µg/L	-	-	700	27.9		32.2		32.5		26.0		22.1		28.1	32.5	
m,p-Xylenes	µg/L	-	-	-	18.4		21.7		22.6		20.7		17.9		20.3	22.6	
Naphthalene	µg/L	-	-	25	**174**		**168**		**196**		**155**		**136**		166	**196**	
o-Xylene	µg/L	-	-	-	10.9		12.3		13.0		12.2		10.6		11.8	13.0	
Toluene	µg/L	-	-	1000	45.6		60.0		60.2		41.9		36.6		48.9	60.2	
Xylenes, Total	µg/L	-	-	10000	29.2		34.0		35.6		33.0		28.6		32.1	35.6	

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

Between Columns
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
July 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	7/2/2025		7/9/2025		7/16/2025		7/23/2025		7/30/2025		Average	Maximum	
Lab pH		-	-	-	7.10	H	7.00	H	7.00	H	7.17	H	7.02	H	7.06	7.17	H
Iron, Dissolved	mg/L	-	-	-	0.0390	J	ND		ND		0.0445		0.0504		0.0446	0.0445	J
Iron, Total	mg/L	-	-	-	0.0488		0.0400		0.0280	J	0.0691		0.0601		0.0492	0.0691	
Acenaphthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		ND		ND		ND	B	ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND	B	ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	-	-	0.3	J	0.9		ND		ND		0.4	J	0.5	0.9	J
Ethylbenzene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Toluene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	

ND=Not detected above the project acceptable detection limit
J = Estimated concentration
H = Holding times exceeded

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
July 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	7/2/2025		7/9/2025		7/16/2025		7/23/2025		7/30/2025		Average	Maximum	
Lab pH		-	-	-	7.05	H	6.98	H	7.22	H	7.01	H	7.28	H	7.11	7.28	H
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		0.039	J	0.039	0.039	J
Iron, Total	mg/L	2	4	-	ND		ND		ND		ND		0.034	J	0.034	0.034	J
Acenaphthene	mg/L	-	0.0608	-	ND		ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	0.0023	-	ND	R	ND		ND		ND		ND		ND	ND	R
Benzo(a)anthracene	mg/L	-	0.001	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	0.053	0.398	-	ND		ND		ND		ND	B	ND		ND	ND	B
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	0.01	-	ND		ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND	B	ND		ND	ND	B
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	50	-	ND		ND		ND		ND		ND		ND	ND	
Ethylbenzene	µg/L	17	216	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	670	-	ND		ND		ND		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Toluene	µg/L	70	750	-	ND		ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	117	750	-	ND		ND		ND		ND		ND		ND	ND	

ND=Not detected above the project acceptable detection limit
J = Estimated concentration
R=RPD outside acceptable recovery limits
H = Holding times exceeded

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	7/2/2025	7/9/2025	7/16/2025	7/23/2025	7/30/2025	Average	Maximum
Benzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Naphthalene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
o-Xylene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND

ND=Not detected above the project acceptable detection limit

MGP Pump & Treat System Summary
Taylorville, Illinois
August 2025

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Aug-25					
1	1,818,776	50,485	West	NM (1)	45
2	1,869,261	79,757	West	NM (1)	45
3	1,949,018	75,112	West	NM (1)	46
4	2,024,130	63,314	West	NM (1)	40
5	2,087,444	81,015	West	NM (1)	43
6	2,168,459	46,798	West	NM (1)	44
7	2,215,257	78,507	West	NM (1)	44
8	2,293,764	55,726	West	NM (1)	44
9	2,349,490	73,330	West	NM (1)	44
10	2,422,820	66,042	West	NM (1)	44
11	2,488,862	67,738	West	NM (1)	45
12	2,556,600	52,050	West	NM (2)	45
13	2,608,650	28,370	West	NM (2)	45
14	2,637,020	77,509	West	NM (2)	45
15	2,714,529	54,966	West	NM (2)	44
16	2,769,495	69,969	West	NM (2)	45
17	2,839,464	74,565	West	NM (2)	45
18	2,914,029	55,663	West	NM (2)	45
19	2,969,692	51,443	West	NM (2)	45
20	3,021,135	27,090	West	NM (2)	45
21	3,048,225	70,542	West	NM (2)	45
22	3,118,767	56,833	West	NM (1)	43
23	3,175,600	57,010	West	NM (1)	44
24	3,232,610	86,689	West	NM (1)	44
25	3,319,299	61,859	West	NM (1)	45
26	3,381,158	56,538	West	NM (1)	45
27	3,437,696	36,726	West	NM (1)	45
28	3,474,422	69,214	West	NM (1)	46
29	3,543,636	59,424	West	NM (1)	44
30	3,603,060	60,709	West	NM (1)	44
31	3,663,769	55,886	West	NM (1)	44
Sep-25	3,719,655		West	NM (1)	44

NM = Not measured
(1) Not measured - RW abandoned

Flow Data	**Gallons**
For Month	1,900,879
To Pond	1,900,879
Below Pond	0
Average	61,319
Maximum	86,689
Minimum	27,090
Total Through July	1,408,452,120
Total Through Aug	1,410,352,999

Maintenance Summary

Well Cleaning	None	
Vessel	**North**	**South**
Carbon Change	None	None
Cleaned Effluent Backwash Storage	None	None
Back Washed Vessels	None	9/3/2025

Changed Bag Filters	**North**	**Middle**	**South**
	8/7/2025	8/7/2025	8/7/2025
	8/14/2025	8/14/2025	8/14/2025
	8/21/2025	8/21/2025	8/21/2025
	8/28/2025	8/28/2025	8/28/2025

Drum Disposal No

NOTES:

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
August 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	8/7/2025		8/13/2025		8/20/2025		8/27/2025		Average	Maximum	
Lab pH		-	-	-	6.98	H	6.97	H	6.99	H	7.13	H	7.02	7.13	H
Iron, Dissolved	mg/L	-	-	-	ND		ND		0.0492		0.0522		0.0507	0.0522	
Iron, Total	mg/L	-	-	-	0.99		0.911		0.873		0.983		0.938	0.986	
Acenaphthene	mg/L	-	-	0.42	0.0106		0.0045		0.00646		0.0125		0.00852	0.0125	
Acenaphthylene	mg/L	-	-	-	0.0036		0.000595		0.00136		0.00415		0.002426	0.00415	
Anthracene	mg/L	-	-	2.1	0.00157		0.00192		0.00177		0.00245		0.00193	0.00245	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000132**		**0.000128**		**0.000118**		**0.000141**		0.000130	**0.000141**	
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	-	-	-	0.00013	J	ND		ND		0.00012	J	0.00013	0.00013	J
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00228		0.00194		0.00166		0.00188		0.00194	0.00228	
Fluorene	mg/L	-	-	-	0.00644		0.00363		0.00367		0.00655		0.00507	0.00655	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	ND		ND		0.0015	J	0.00062	J	0.00106	0.0015	J
o-Cresol	mg/L	-	-	0.35	0.0011	J	0.00083	J	0.0016	J	ND		0.00118	0.0016	J
Phenanthrene	mg/L	-	-	-	0.0126		0.00210		0.00478		0.0109		0.00760	0.01260	
Pyrene	mg/L	-	-	-	0.00212		0.00212		0.00192		0.00228		0.00211	0.00228	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0395		0.0169		0.0217		0.041		0.0298	0.0410	
Benzene	µg/L	-	-	5	**63.1**		**53.6**		**49.8**		**60.8**		56.8	**63.1**	
Ethylbenzene	µg/L	-	-	700	32.3		24.1		21.8		31.5		27.4	32.3	
m,p-Xylenes	µg/L	-	-	-	23.4		19.9		18.4		25		21.7	25.0	
Naphthalene	µg/L	-	-	25	**150**		**151**		**119**		**175**		149	**175**	
o-Xylene	µg/L	-	-	-	13.4		11.9		10.9		14.5		12.7	14.5	
Toluene	µg/L	-	-	1000	58		39.5		35.6	B	53.1		46.6	58.0	
Xylenes, Total	µg/L	-	-	10000	36.8		31.8		29.3		39.5		34.4	39.5	

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

Between Columns
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
August 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	8/7/2025		8/13/2025		8/20/2025		8/27/2025		Average	Maximum	
Lab pH		-	-	-	7.00	H	7.03	H	7.03	H	7.13	H	7.05	7.13	H
Iron, Dissolved	mg/L	-	-	-	ND		ND		0.048		0.033	J	0.041	0.048	J
Iron, Total	mg/L	-	-	-	ND		0.0492		0.0574		0.0417		0.0494	0.0574	
Acenaphthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	-	-	ND		ND		0.5	J	ND		0.5	0.5	J
Ethylbenzene	µg/L	-	-	-	ND		ND		ND		ND		ND	0.0	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND	0.0	
Naphthalene	µg/L	-	-	-	ND		ND		ND		ND		ND	0.0	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND	0.0	
Toluene	µg/L	-	-	-	ND		ND		0.2	BJ	ND		0.2	0.2	BJ
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND	0.0	

ND=Not detected above the project acceptable detection limit
J=Analyte detected below reporting limits
H = Holding times exceeded
B= Detected in associated method blank

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
August 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	8/7/2025		8/13/2025		8/20/2025		8/27/2025		Average	Maximum	
Lab pH		-	-	-	6.92	H	7.08	H	7.04	H	7.15	H	7.05	7.15	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	R	ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND	R	ND		ND	ND	
Anthracene	mg/L	-	0.0023	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	0.001	-	ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND	SR	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	R	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND	R	ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		ND		ND	S	ND		ND	ND	
o-Cresol	mg/L	-	1.9	-	ND		ND		ND	S	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	R	ND		ND		ND		ND	ND	
Ethylbenzene	µg/L	17	216	-	ND	R	ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	670	-	ND		ND		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	
Toluene	µg/L	70	750	-	ND	R	ND		0.2	BJ	ND		0.2	0.2	BJ
Xylenes, Total	µg/L	117	750	-	ND	R	ND		ND		ND		ND	ND	

ND=Not detected above the project acceptable detection limit
J=Analyte detected below reporting limits
R=RPD outside acceptable recovery limits
S=MS/MSD recovery outside control limits
H = Holding times exceeded
B= Detected in associated method blank

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	8/7/2025	8/13/2025	8/20/2025	8/27/2025	Average	Maximum
Benzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
m,p-Xylenes	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Naphthalene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
o-Xylene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Toluene	µg/L	-	-	-	ND	ND	0.2 BJ	ND	0.2	0.2 BJ
Xylenes, Total	µg/L	-	-	-	ND	ND	ND	ND	ND	ND

ND=Not detected above the project acceptable detection limit
B= Detected in associated method blank
J=Analyte detected below reporting limits

MGP Pump & Treat System Summary
Taylorville, Illinois
September 2025

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Sep-25					
1	3,719,655	73,290	West	NM (1)	44
2	3,792,945	49,436	West	NM (1)	44
3	3,842,381	26,566	West	NM (1)	44
4	3,868,947	67,667	West	NM (1)	45
5	3,936,614	46,598	West	NM (1)	44
6	3,983,212	59,180	West	NM (1)	44
7	4,042,392	51,109	West	NM (1)	45
8	4,093,501	53,166	West	NM (1)	45
9	4,146,667	40,702	West	NM (1)	45
10	4,187,369	24,462	West	NM (1)	45
11	4,211,831	68,648	West	NM (1)	45
12	4,280,479	47,359	West	NM (1)	44
13	4,327,838	62,726	West	NM (1)	45
14	4,390,564	65,508	West	NM (1)	45
15	4,456,072	45,980	West	NM (1)	45
16	4,502,052	41,299	West	NM (1)	45
17	4,543,351	21,127	West	NM (1)	45
18	4,564,478	69,766	West	NM (1)	45
19	4,634,244	47,337	West	NM (1)	44
20	4,681,581	64,445	West	NM (1)	44
21	4,746,026	74,291	West	NM (1)	45
22	4,820,317	58,613	West	NM (1)	45
23	4,878,930	47,494	West	NM (1)	46
24	4,926,424	27,621	West	NM (1)	46
25	4,954,045	39,909	West	NM (1)	46
26	4,993,954	73,859	West	NM (1)	45
27	5,067,813	64,585	West	NM (1)	45
28	5,132,398	53,525	West	NM (1)	45
29	5,185,923	100,326	West	NM (1)	45
30	5,286,249	79,364	West	NM (1)	41
Oct-25	5,365,613				

NM = Not measured
(1) Not measured - RW abandoned

Flow Data	**Gallons**
For Month	1,645,958
To Pond	1,645,958
Below Pond	0
Average	54,865
Maximum	100,326
Minimum	21,127
Total Through Aug	1,410,352,999
Total Through Sept	1,411,998,957

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None	None	
Back Washed Vessels	None	9/29/2025	
Changed Bag Filters	**North**	**Middle**	**South**
	9/4/2025	9/4/2025	9/4/2025
	9/11/2025	9/11/2025	9/11/2025
	9/18/2025	9/18/2025	9/18/2025
	9/25/2025	9/25/2025	9/25/2025

Drum Disposal No

NOTES:

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
September 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	9/3/2025		9/10/2025		9/17/2025		9/24/2025		Average	Maximum	
Lab pH		-	-	-	6.99	H	7.27	H	7.00	H	7.14	H	7.10	7.27	H
Iron, Dissolved	mg/L	-	-	-	ND		0.042		0.027	J	0.036	J	0.035	0.042	
Iron, Total	mg/L	-	-	-	0.841		0.821		0.853		0.925		0.860	0.925	
Acenaphthene	mg/L	-	-	0.42	0.0131		0.00859		0.00942		0.0115		0.01065	0.0131	
Acenaphthylene	mg/L	-	-	-	0.00389		0.00562		0.00174		0.00404		0.003823	0.00562	
Anthracene	mg/L	-	-	2.1	0.00277		0.00386		0.0025		0.0031		0.00306	0.00386	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000211**		**0.00153**	B	**0.000145**		**0.000176**		0.000516	**0.00153**	B
Benzo(a)pyrene	mg/L	-	-	0.00023	ND		0.00376		ND		ND		0.00376	0.00376	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		0.00327		ND		ND		0.00327	0.00327	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		0.00282		ND		ND		0.00282	0.00282	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		0.00106		ND		ND		0.00106	0.00106	
Chrysene	mg/L	-	-	-	0.00018	J	0.00153		0.00012	J	0.00017	J	0.00050	0.00153	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		0.000806		ND		ND		0.000806	0.000806	
Fluoranthene	mg/L	-	-	0.28	0.00246		0.00278		0.00215		0.00239		0.00245	0.00278	
Fluorene	mg/L	-	-	-	0.0059		0.00608		0.00495		0.00631		0.00581	0.00631	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		0.00236		ND		ND		0.00236	0.00236	
m,p-Cresol	mg/L	-	-	0.35	0.00062	J	ND		ND		ND		0.00062	0.00062	J
o-Cresol	mg/L	-	-	0.35	0.00074	J	0.00086	J	ND		0.00074	J	0.00078	0.00086	J
Phenanthrene	mg/L	-	-	-	0.0126		0.00269		0.00488		0.0109		0.00777	0.0126	
Pyrene	mg/L	-	-	-	0.00264		0.00329		0.00255		0.00273		0.00280	0.00329	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0437		0.05		0.0285		0.0412		0.0409	0.05	
Benzene	µg/L	-	-	5	**56.3**		**55.6**		**51.6**		**58.8**		55.6	**58.8**	
Ethylbenzene	µg/L	-	-	700	22.6		19.0		19.8		24.6		21.5	24.6	
m,p-Xylenes	µg/L	-	-	-	19.8		17.9		19.4		22.2		19.8	22.2	
Naphthalene	µg/L	-	-	25	**133**		**104**		**152**		**172**		140	**172**	
o-Xylene	µg/L	-	-	-	11.9		10.8		12.0		13.3		12.0	13.3	
Toluene	µg/L	-	-	1000	37.4		31.4		31.6		40.6		35.3	40.6	
Xylenes, Total	µg/L	-	-	10000	31.7		28.7		31.4		35.5		31.8	35.5	

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

Between Columns
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
September 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	9/3/2025		9/10/2025		9/17/2025		9/24/2025		Average	Maximum	
Lab pH		-	-	-	7.05	H	7.03	H	7.02	H	7.10	H	7.05	7.10	H
Iron, Dissolved	mg/L	-	-	-	ND		ND		0.031	J	0.0508		0.0409	0.0508	
Iron, Total	mg/L	-	-	-	0.024	J	ND		0.0457		0.0919		0.0539	0.0919	
Acenaphthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		0.000205		ND		ND		0.000205	0.000205	
Anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		0.00018	B	ND		ND		0.00018	0.00018	B
Benzo(a)pyrene	mg/L	-	-	-	ND		0.000344		ND		ND		0.000344	0.000344	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		0.000393		ND		ND		0.000393	0.000393	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		0.000218		ND		ND		0.000218	0.000218	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		0.00018	J	ND		ND		0.00018	0.00018	J
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		0.000084	J	ND		ND		0.000084	0.000084	J
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		0.000202		ND		ND		0.000202	0.000202	
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	-	-	-	0.00019	J	ND		ND		ND		0.00019	0.00019	J
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
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		1.2		ND		1.2	1.2	
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 = Estimated concentration
H = Holding times exceeded
B= Detected in associated method blank

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
September 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	9/3/2025		9/10/2025		9/17/2025		9/24/2025		Average	Maximum	
Lab pH		-	-	-	7.13	H	7.08	H	6.93	H	7.06	H	7.05	7.13	H
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND		ND		ND		ND		ND	ND	
Acenaphthene	mg/L	-	0.0608	-	ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	0.0023	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	0.001	-	ND		ND	H	ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND	H	ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND	H	ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	0.053	0.398	-	ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	0.01	-	ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	50	-	ND		ND		ND		ND		ND	ND	
Ethylbenzene	µg/L	17	216	-	ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	670	-	ND		ND		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Toluene	µg/L	70	750	-	ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	117	750	-	ND		ND		ND		ND		ND	ND	

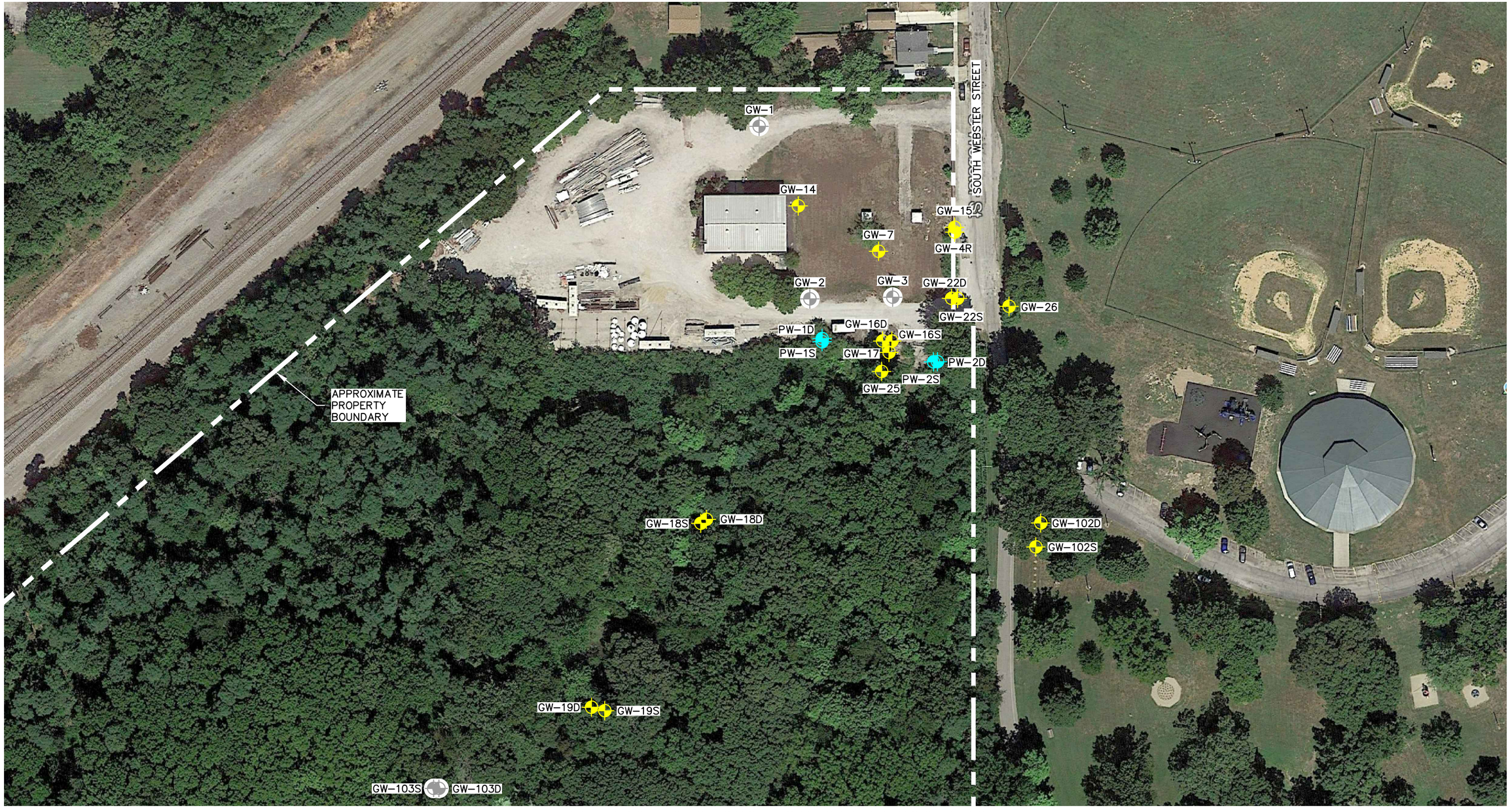
ND=Not detected above the project acceptable detection limit
H = Holding times exceeded

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	9/3/2025	9/10/2025	9/17/2025	9/24/2025	Average	Maximum
Benzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
m,p-Xylenes	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Naphthalene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
o-Xylene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Toluene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	ND	ND	ND	ND	ND

ND=Not detected above the project acceptable detection limit

MONITORING WELL LOCATION MAP



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

LEGEND

- MONITORING WELL
- PERFORMANCE MONITORING WELL
- ABANDONED MONITORING WELL

N

0 100 200

SCALE (IN FEET)

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

1968 Craig Road
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
7 October 2025

SUBJECT
Year 2025 Quarter 3 Groundwater Sampling Results
Former MGP Site – Taylorville, Illinois

REFERENCE
0760991

Dear Mr. Martin:

Environmental Resources Management, Inc. (ERM) has completed the third 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 4 August through 7 August 2025 and includes the re-sampling event that occurred on 18 August 2025 due to a laboratory analytical error affecting the groundwater sample collected from monitoring well GW-25.

METHODOLOGY

During third quarter 2025 groundwater 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 4 August 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 all quarterly monitoring wells apart from 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 (NTU) 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. Upon completion of purging, the YSI flow cell was disconnected from the disposable polyethylene tubing prior to the collection of each sample.

Due to the low volume observed at GW-4R and GW-20, a dedicated bailer was used to purge and sample these monitoring wells. For the purging of these monitoring wells, the dedicated 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.

Turbid groundwater has been observed consistently during purging and sampling of monitoring well GW-20. To determine if the turbidity has potentially biased historically observed polycyclic aromatic hydrocarbon (PAH) concentrations in samples collected from this monitoring well, an additional field-filtered sample (GW-20FF-WG-20250804) was collected from this monitoring well. For the collection of this sample, the groundwater from the dedicated bailer was filtered through a factory-sealed 0.45-micron field filter into the laboratory provided containers.

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 two (2) duplicates, one (1) matrix spike and matrix spike duplicate (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 duplicate samples are identified on the chain-of-custody and analytical report as DUP-001 (GW-22S), and DUP-002 (GW-4R).

Due to a laboratory error, which is discussed in further detail in the *Data Validation* section of this report, monitoring well GW-25 required re-sampling. On 18 August 2025, an additional groundwater sample was collected from monitoring well GW-25- using the same methodology described above.

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 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 third quarter 2025 groundwater sampling event ranged from 3.65 to 19.63 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 45 feet below ground surface (bgs) on 4 August 2025, which correlates to an elevation of approximately 574 feet above mean sea level (AMSL). For comparison, the measured groundwater elevation at nearby monitoring well GW-7 is 598.96 feet AMSL, 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 4 August 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 extent 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-southwest along the regional hydraulic gradient.

DATA VALIDATION

ERM reviewed analytical data from the third 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, one (1) QA/QC sample required rejection. The trip blank sample associated with groundwater samples submitted to the laboratory on 7 August 2025 was rejected from the data set as it was noted that the trip blank was added to the sample cooler upon arrival at the laboratory. Because this trip blank sample did not accompany the samples in the field cooler during transport, it is not representative or useful for determination of potential transport or storage influences during the groundwater monitoring event.

Additionally, more than one (1) sample was collected from monitoring GW-25. A second groundwater sample was collected from this monitoring well on 18 August 2025 following suspected laboratory-related contamination in the original sample collected on 4 August 2025. Laboratory contamination was suspected in the original sample collected from GW-25 due to the following observations:

- Historical analytical results from groundwater samples at GW-25 do not indicate the presence of the PAHs that were detected in the sample collected from this monitoring well on 4 August 2025;
- The sample collected from GW-25 on 4 August 2025 was prepared for analysis immediately following groundwater samples collected from GW-4R and the associated duplicate sample (DUP-002) which historically contained the highest concentrations of Site COCs including the analytes detected in the sample collected at GW-25 on 4 August; and
- The groundwater sample re-collected from GW-25 on 18 August 2025 does not contain detections of the analytes that were detected in the original sample.

Based on the above, the original sample results from monitoring well GW-25 are considered non-reportable due to the suspected laboratory contamination and should not be used for reporting or for decision making purposes. Accordingly, the revised laboratory report case narrative reflects this change.

Excluding the rejected trip blank sample, and the non-reportable sample, 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 were applied to sample results in the summary table provided in Attachment C. The data validation summary for third quarter 2025 groundwater sampling event results is provided as Attachment E.

ANALYTICAL RESULTS

Analytical results from the groundwater samples collected during third quarter 2025 groundwater 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 third quarter 2025 sampling event are provided as Attachment A. Attachment C contains the validated analytical data summary for the third quarter 2025 sampling event. Attachment D contains the historical data summary for the site monitoring wells from the period of February 2021 through August 2025.

Of the 17 monitoring wells sampled during the third quarter 2025 groundwater sampling event, samples at six (6) monitoring wells contained exceedances of Site CUOs.

Site Monitoring Wells

GW-4R

Benzene, naphthalene, methylene chloride, benzo(a)anthracene, 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 primary and duplicate groundwater samples 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 were collected from monitoring wells located on the downgradient perimeter of the Site, which included 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. These groundwater samples did not have any exceedances of the CUOs, with four (4) exceptions discussed below.

GW-16D, GW-18D and GW-22S

The groundwater samples collected from GW-16D, GW-18D and GW-22S contained detections of bis(2-ethylhexyl)phthalate exceeding CUOs. This constituent has been previously detected above CUOs from the groundwater samples collected from these monitoring wells.

GW-20

Consistent with previous quarterly groundwater sampling events, in the unfiltered groundwater sample collected from GW-20, PAHs including 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 at concentrations exceeding the CUOs.

The field filtered groundwater sample collected from GW-20 (GW-20FF) contained detections of PAHs, including benzo(a)pyrene and benzo(b)fluoranthene, at concentrations exceeding the CUOs. This observation is not consistent with previously field filtered samples collected at this location since Q1 2025, when filtered samples were first collected and reported from this monitoring well.

Because of the very low solubility of the PAHs detected in the field filtered sample, the detections at this location are likely the result of colloidal particles (smaller than 0.45 microns) with sorbed PAHs that passed through the 0.45-micron field filter during sample collection. The laboratory noted a discolored yellow hue in the filtered sample which indicates the presence of these colloidal particles. Therefore, the laboratory analysis likely detected particulate-bound PAHs, rather than dissolved PAHs in the groundwater and thus are not related to the former MGP site.

Bis(2-ethylhexyl)phthalate

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

CONCLUSION

ERM conducted the third quarter 2025 groundwater sampling event at the Site from 4 August through 7 August 2025. One (1) groundwater sample was re-collected from monitoring well GW-25 on 18 August 2025 due to a laboratory analytical error. Samples and groundwater level measurements were collected from 17 monitoring wells.

Groundwater flow at the Site was observed to be towards the extraction well, with hydraulic containment extending south to about GW-25. South of the Site, and on Ameren-owned property, the gradient is generally south-southwest.

Exceedances of CUOs from constituents known to be MGP COCs attributed to the Site 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 exhibit the highest concentrations of COCs.

Groundwater samples collected from GW-7, GW-16D, GW-18D, and GW-22S contain detections of bis(2-ethylhexyl)phthalate exceeding the ROD CUO. However, this

constituent is not an MGP COC, and the detections of this constituent likely reflect background, laboratory, or sample methodology influences.

The unfiltered and filtered groundwater samples collected from GW-20 contained detections of PAHs above CUOs. The presence of PAHs in the filtered sample is not consistent with previously filtered sample results from GW-20, as PAHs have not been observed in the filtered samples collected from GW-20 previously. These PAHs detected in the field filtered sample are likely the result of colloidal particles (smaller than 0.45 microns) with sorbed PAHs that passed through the 0.45-micron field filter during sample collection. The laboratory noted a discolored yellow hue in the filtered sample which typically indicates the presence of these colloidal particles. Therefore, the laboratory analysis detected particulate-bound PAHs, rather than dissolved PAHs in the groundwater.

The PAHs observed in historical and recent groundwater samples collected from GW-20 are not related to the former MGP site due to the following facts:

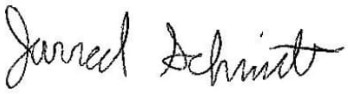
- GW-20 is about 1,000 feet south from the Site and screened at a shallow interval (approximately 4.5 to 9.5 feet bgs) in a drainage swale subject to local watershed drainage.
- PAHs have low solubility in groundwater and are very unlikely to migrate great distances in groundwater. VOCs, which are generally more mobile and soluble in groundwater than PAHs, have not historically been detected above laboratory reporting limits in groundwater samples collected from GW-20. If the PAHs detected in groundwater samples collected at GW-20 were the result of groundwater flow from the Site, VOCs would be expected to also be detected.
- High turbidity (measured over 500 NTU) has historically been observed in groundwater purged from GW-20. Field filtered groundwater samples collected at GW-20 during the first and second quarter 2025 groundwater sampling events did not contain detections of VOCs or PAHs above laboratory reporting limits. This finding suggests that historic detections of PAHs in the unfiltered samples are attributed to localized suspended solids containing PAHs rather than dissolved PAHs in the groundwater.
- Site-related COCs are not detected above reporting limits in samples collected from shallow or deep samples obtained from quarterly groundwater monitoring wells GW-16S, GW-16D, GW-17, GW-25, GW-18S, GW-18D, GW-19S, GW-19D located between the Site and GW-20. Additionally, Site-related COCs are not detected above reporting limits in groundwater samples collected from shallow or deep annual groundwater monitoring wells GW-101S, GW-102S, and GW-102D located in Manners Park, south of the Site, and north of GW-20. If the PAHs detected in groundwater samples collected at GW-20 were the result of groundwater flow from the Site, similar COCs would be expected in groundwater samples collected from these downgradient monitoring wells.

For these reasons, groundwater samples collected at GW-20 are not representative of downgradient groundwater conditions from the Site. Because groundwater samples collected at GW-20 are not representative, Ameren plans on submitting a request to IEPA under a separate cover to exclude GW-20 from future groundwater sampling events and properly abandon the monitoring well.

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

Sincerely,

Michael Abegg, RG (MO)
Managing Consultant



Jarred Schmidt
Principal Consultant

Dan Wilkens, PG
Partner

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ATTACHMENT C – SUMMARY OF THIRD QUARTER 2025 ANALYTICAL RESULTS
ATTACHMENT D – SUMMARY OF HISTORICAL ANALYTICAL RESULTS
ATTACHMENT E – DATA VALIDATION SUMMARY

FIGURES

DRAWN BY: Shannon Long

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: Esri - World Topoographic Map
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

Environmental Resources Management
www.erm.com
ERM

Source: Esri - World Topoographic Map; NAD 1983 2011 StatePlane Illinois West FIPS 1202 Ft US

\\SCUSPRDGISFS01\Data\US\Projects\A-C\Ameren\Taylorville_IL_MXD\2024_Q4_GWM\Q4_GW_Figures.aprx - shannon.long - 5/22/2025

DRAWN BY: Shannon Long

REVISED: 05/22/2025

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Legend

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

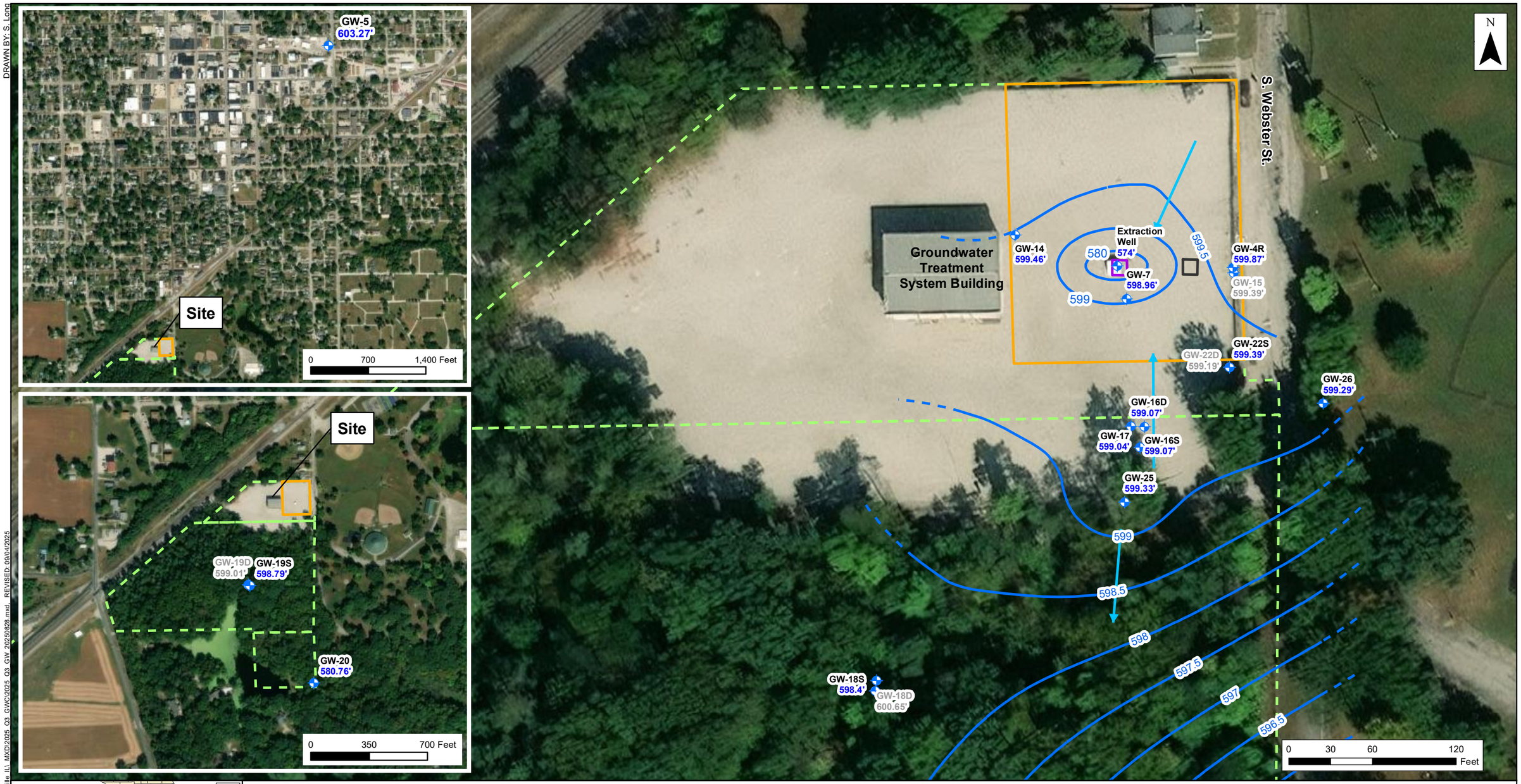
NOTES:

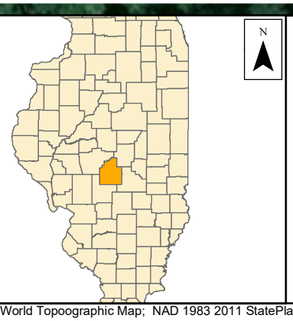
1. GW-8S and GW-8D not included in Quarterly or Annual Groundwater Monitoring.
2. Monitoring wells: Sampled during Quarterly and Annual Groundwater Monitoring events
3. Annual well: Sampled during Annual Groundwater Monitoring event only.
4. Aerial Imagery: Esri - World Topoographic Map

Source: Esri - World Topoographic Map; NAD 1983 2011 StatePlane Illinois West FIPS 1202 Ft US

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

Environmental Resources Management
www.erm.com
ERM





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 574 ft. on August 4, 2025.
3. Depths to groundwater were measured August 4, 2025.
4. Aerial Imagery: Bing Maps

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

Environmental Resources Management
www.erm.com

Source: Esri - World Topoographic Map; NAD 1983 2011 StatePlane Illinois West FIPS 1202 Ft US

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DRAWN BY: S. Long

ATTACHMENT A ANALYTICAL LAB REPORT

August 27, 2025

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10438
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ameren Taylorville 3rd Qtr 2025 **WorkOrder:** 25080648

Dear Michael Abegg:

TEKLAB, INC received 22 samples on 8/7/2025 11:00:00 AM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

http://www.teklabinc.com/

Client: ERM
Work Order: 25080648
Client Project: Ameren Taylorville 3rd Qtr 2025
Report Date: 27-Aug-25

This reporting package includes the following:

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Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-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:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-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: 25080648
Client Project: Ameren Taylorville 3rd Qtr 2025
Report Date: 27-Aug-25

Cooler Receipt Temp: 5.7 °C

This report was revised on August 15th, 2025. The reason for the revision is to remove results for GW-25 due to suspected contamination. Please replace report dated August 13th, 2020 with this report. MLDII 8/15/25

This is the second revision for this WO last revised on August 27, 2025 per Amy Weber's (Ameren) request confirmed by Michael Abegg. The reason for the revision is to note that the suspected contamination was during sample prep in the laboratory and to correct the notation that the original report was dated August 13, 2025. Please replace report dated August 15, 2025 with this report. EAH 8/27/25

Locations

Collinsville

Address 5445 Horseshoe Lake Road
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Phone (618) 344-1004
Fax (618) 344-1005
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Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-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-10438	NELAP	7/31/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2026	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2026	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2026	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	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			4/30/2026	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-001 **Client Sample ID:** GW-04R-20250807

Matrix: GROUNDWATER **Collection Date:** 08/07/2025 8:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.00350	0.00500		**0.0178**	mg/L	50	08/11/2025 13:54	243118
Acenaphthylene	NELAP	0.00250	0.00500		**0.0136**	mg/L	50	08/11/2025 13:54	243118
Anthracene	NELAP	0.000200	0.000300		**0.00387**	mg/L	1	08/09/2025 7:22	243118
Benzo(a)anthracene	NELAP	0.00350	0.00500		**0.00776**	mg/L	50	08/11/2025 13:54	243118
Benzo(a)pyrene	NELAP	0.00550	0.0100		**ND**	mg/L	50	08/11/2025 13:54	243118
Benzo(b)fluoranthene	NELAP	0.0065	0.010	J	**0.0090**	mg/L	50	08/11/2025 13:54	243118
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**0.00258**	mg/L	1	08/09/2025 7:22	243118
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**0.00301**	mg/L	1	08/09/2025 7:22	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/09/2025 7:22	243118
Chrysene	NELAP	0.00600	0.0100		**0.0147**	mg/L	50	08/11/2025 13:54	243118
Dibenzo(a,h)anthracene	NELAP	0.000080	0.000100		**0.00217**	mg/L	1	08/09/2025 7:22	243118
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	08/09/2025 7:22	243118
Fluoranthene	NELAP	0.0135	0.0150		**0.0321**	mg/L	50	08/11/2025 13:54	243118
Fluorene	NELAP	0.00850	0.0100		**0.0811**	mg/L	50	08/11/2025 13:54	243118
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**0.00329**	mg/L	1	08/09/2025 7:22	243118
m,p-Cresol	NELAP	0.00059	0.010	J	**0.0025**	mg/L	1	08/09/2025 7:22	243118
Naphthalene	NELAP	0.0800	0.200		**0.529**	mg/L	500	08/11/2025 15:53	243118
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	08/09/2025 7:22	243118
Phenanthrene	NELAP	0.0265	0.0300		**0.133**	mg/L	50	08/11/2025 13:54	243118
Pyrene	NELAP	0.00900	0.0100		**0.0235**	mg/L	50	08/11/2025 13:54	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**125.4**	%REC	1	08/09/2025 7:22	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**108.8**	%REC	1	08/09/2025 7:22	243118
Surr: 2-Fluorophenol	*	0	30-130		**96.1**	%REC	1	08/09/2025 7:22	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**105.7**	%REC	1	08/09/2025 7:22	243118
Surr: Phenol-d5	*	0	20.5-122		**90.2**	%REC	1	08/09/2025 7:22	243118
Surr: p-Terphenyl-d14	*	0	44-147		**109.4**	%REC	1	08/09/2025 7:22	243118

Elevated reporting limit due to high levels of target analytes.

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	1.00	10.0		**751**	µg/L	20	08/12/2025 19:28	243300
Bromoform	NELAP	1.80	4.00		**ND**	µg/L	20	08/12/2025 19:28	243300
Ethylbenzene	NELAP	2.00	20.0		**269**	µg/L	20	08/12/2025 19:28	243300
m,p-Xylenes	NELAP	4.40	20.0		**85.6**	µg/L	20	08/12/2025 19:28	243300
Methylene chloride	NELAP	17.4	40.0		**ND**	µg/L	20	08/12/2025 19:28	243300
Naphthalene	NELAP	11.4	40.0		**816**	µg/L	20	08/12/2025 19:28	243300
o-Xylene	NELAP	1.00	20.0		**179**	µg/L	20	08/12/2025 19:28	243300
Toluene	NELAP	2.00	40.0		**146**	µg/L	20	08/12/2025 19:28	243300
trans-1,2-Dichloroethene	NELAP	2.00	40.0		**ND**	µg/L	20	08/12/2025 19:28	243300
Xylenes, Total	NELAP	5.60	40.0		**265**	µg/L	20	08/12/2025 19:28	243300
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.4**	%REC	20	08/12/2025 19:28	243300
Surr: 4-Bromofluorobenzene	*	0	80-120		**97.5**	%REC	20	08/12/2025 19:28	243300
Surr: Dibromofluoromethane	*	0	80-120		**98.2**	%REC	20	08/12/2025 19:28	243300
Surr: Toluene-d8	*	0	80-120		**97.9**	%REC	20	08/12/2025 19:28	243300

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

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-002 **Client Sample ID:** GW-05-WG-20250804

Matrix: GROUNDWATER **Collection Date:** 08/04/2025 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 13:00	243118
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	08/08/2025 13:00	243118
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	08/08/2025 13:00	243118
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 13:00	243118
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	08/08/2025 13:00	243118
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	08/08/2025 13:00	243118
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 13:00	243118
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 13:00	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/08/2025 13:00	243118
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 13:00	243118
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100		**ND**	mg/L	1	08/08/2025 13:00	243118
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	08/08/2025 13:00	243118
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	08/08/2025 13:00	243118
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	08/08/2025 13:00	243118
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	08/08/2025 13:00	243118
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	08/08/2025 13:00	243118
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	08/08/2025 13:00	243118
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	08/08/2025 13:00	243118
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	08/08/2025 13:00	243118
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	08/08/2025 13:00	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**114.9**	%REC	1	08/08/2025 13:00	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**82.8**	%REC	1	08/08/2025 13:00	243118
Surr: 2-Fluorophenol	*	0	30-130		**97.9**	%REC	1	08/08/2025 13:00	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**83.2**	%REC	1	08/08/2025 13:00	243118
Surr: Phenol-d5	*	0	20.5-122		**90.5**	%REC	1	08/08/2025 13:00	243118
Surr: p-Terphenyl-d14	*	0	44-147		**92.1**	%REC	1	08/08/2025 13:00	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/08/2025 17:39	243176
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/08/2025 17:39	243176
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/08/2025 17:39	243176
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/08/2025 17:39	243176
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/08/2025 17:39	243176
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/08/2025 17:39	243176
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/08/2025 17:39	243176
Toluene	NELAP	0.10	2.00	B	**ND**	µg/L	1	08/08/2025 17:39	243176
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/08/2025 17:39	243176
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/08/2025 17:39	243176
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.0**	%REC	1	08/08/2025 17:39	243176
Surr: 4-Bromofluorobenzene	*	0	80-120		**102.3**	%REC	1	08/08/2025 17:39	243176
Surr: Dibromofluoromethane	*	0	80-120		**98.3**	%REC	1	08/08/2025 17:39	243176
Surr: Toluene-d8	*	0	80-120		**102.5**	%REC	1	08/08/2025 17:39	243176

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

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-003 **Client Sample ID:** GW-07-WG-20250806

Matrix: GROUNDWATER **Collection Date:** 08/06/2025 11:30

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		**0.000153**	mg/L	1	08/08/2025 13:39	243118
Acenaphthylene	NELAP	0.000050	0.000100		**0.000136**	mg/L	1	08/08/2025 13:39	243118
Anthracene	NELAP	0.000200	0.000300		**0.00136**	mg/L	1	08/08/2025 13:39	243118
Benzo(a)anthracene	NELAP	0.000070	0.000100		**0.000206**	mg/L	1	08/08/2025 13:39	243118
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	08/08/2025 13:39	243118
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	08/08/2025 13:39	243118
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 13:39	243118
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 13:39	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00286	0.00400		**0.00878**	mg/L	2	08/11/2025 15:12	243118
Chrysene	NELAP	0.00012	0.00020	J	**0.00015**	mg/L	1	08/08/2025 13:39	243118
Dibenzo(a,h)anthracene	NELAP	0.000080	0.000100		**ND**	mg/L	1	08/08/2025 13:39	243118
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	08/08/2025 13:39	243118
Fluoranthene	NELAP	0.000270	0.000300		**0.000759**	mg/L	1	08/08/2025 13:39	243118
Fluorene	NELAP	0.000170	0.000200		**0.000326**	mg/L	1	08/08/2025 13:39	243118
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	08/08/2025 13:39	243118
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	08/08/2025 13:39	243118
Naphthalene	NELAP	0.000160	0.000400		**ND**	mg/L	1	08/08/2025 13:39	243118
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	08/08/2025 13:39	243118
Phenanthrene	NELAP	0.000530	0.000600		**ND**	mg/L	1	08/08/2025 13:39	243118
Pyrene	NELAP	0.000180	0.000200		**0.00238**	mg/L	1	08/08/2025 13:39	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**95.5**	%REC	1	08/08/2025 13:39	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**75.7**	%REC	1	08/08/2025 13:39	243118
Surr: 2-Fluorophenol	*	0	30-130		**92.1**	%REC	1	08/08/2025 13:39	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**78.5**	%REC	1	08/08/2025 13:39	243118
Surr: Phenol-d5	*	0	20.5-122		**84.7**	%REC	1	08/08/2025 13:39	243118
Surr: p-Terphenyl-d14	*	0	44-147		**79.3**	%REC	1	08/08/2025 13:39	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/08/2025 18:04	243176
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/08/2025 18:04	243176
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/08/2025 18:04	243176
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/08/2025 18:04	243176
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/08/2025 18:04	243176
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/08/2025 18:04	243176
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/08/2025 18:04	243176
Toluene	NELAP	0.10	2.00	B	**ND**	µg/L	1	08/08/2025 18:04	243176
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/08/2025 18:04	243176
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/08/2025 18:04	243176
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.5**	%REC	1	08/08/2025 18:04	243176
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.5**	%REC	1	08/08/2025 18:04	243176
Surr: Dibromofluoromethane	*	0	80-120		**97.8**	%REC	1	08/08/2025 18:04	243176
Surr: Toluene-d8	*	0	80-120		**102.9**	%REC	1	08/08/2025 18:04	243176

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

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-004 **Client Sample ID:** GW-14-WG-20250806

Matrix: GROUNDWATER **Collection Date:** 08/06/2025 9:00

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	08/08/2025 14:17	243118
Acenaphthylene	NELAP	0.000050	0.000100		**ND**	mg/L	1	08/08/2025 14:17	243118
Anthracene	NELAP	0.000200	0.000300		**ND**	mg/L	1	08/08/2025 14:17	243118
Benzo(a)anthracene	NELAP	0.000070	0.000100		**ND**	mg/L	1	08/08/2025 14:17	243118
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	08/08/2025 14:17	243118
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	08/08/2025 14:17	243118
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 14:17	243118
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 14:17	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00202**	mg/L	1	08/08/2025 14:17	243118
Chrysene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 14:17	243118
Dibenzo(a,h)anthracene	NELAP	0.000080	0.000100		**ND**	mg/L	1	08/08/2025 14:17	243118
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	08/08/2025 14:17	243118
Fluoranthene	NELAP	0.000270	0.000300		**ND**	mg/L	1	08/08/2025 14:17	243118
Fluorene	NELAP	0.000170	0.000200		**ND**	mg/L	1	08/08/2025 14:17	243118
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	08/08/2025 14:17	243118
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	08/08/2025 14:17	243118
Naphthalene	NELAP	0.000160	0.000400		**ND**	mg/L	1	08/08/2025 14:17	243118
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	08/08/2025 14:17	243118
Phenanthrene	NELAP	0.000530	0.000600		**ND**	mg/L	1	08/08/2025 14:17	243118
Pyrene	NELAP	0.000180	0.000200		**ND**	mg/L	1	08/08/2025 14:17	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**108.3**	%REC	1	08/08/2025 14:17	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**83.3**	%REC	1	08/08/2025 14:17	243118
Surr: 2-Fluorophenol	*	0	30-130		**96.7**	%REC	1	08/08/2025 14:17	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**85.2**	%REC	1	08/08/2025 14:17	243118
Surr: Phenol-d5	*	0	20.5-122		**91.0**	%REC	1	08/08/2025 14:17	243118
Surr: p-Terphenyl-d14	*	0	44-147		**89.0**	%REC	1	08/08/2025 14:17	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/08/2025 18:29	243176
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/08/2025 18:29	243176
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/08/2025 18:29	243176
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/08/2025 18:29	243176
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/08/2025 18:29	243176
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/08/2025 18:29	243176
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/08/2025 18:29	243176
Toluene	NELAP	0.10	2.00	B	**ND**	µg/L	1	08/08/2025 18:29	243176
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/08/2025 18:29	243176
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/08/2025 18:29	243176
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.1**	%REC	1	08/08/2025 18:29	243176
Surr: 4-Bromofluorobenzene	*	0	80-120		**102.4**	%REC	1	08/08/2025 18:29	243176
Surr: Dibromofluoromethane	*	0	80-120		**97.7**	%REC	1	08/08/2025 18:29	243176
Surr: Toluene-d8	*	0	80-120		**103.0**	%REC	1	08/08/2025 18:29	243176

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

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-005 **Client Sample ID:** GW-15-WG-20250806

Matrix: GROUNDWATER **Collection Date:** 08/06/2025 16:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 14:56	243118
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	08/08/2025 14:56	243118
Anthracene	NELAP	).000200	0.000300		**0.000350**	mg/L	1	08/08/2025 14:56	243118
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 14:56	243118
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	08/08/2025 14:56	243118
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	08/08/2025 14:56	243118
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 14:56	243118
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 14:56	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/08/2025 14:56	243118
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 14:56	243118
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100		**ND**	mg/L	1	08/08/2025 14:56	243118
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	08/08/2025 14:56	243118
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	08/08/2025 14:56	243118
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	08/08/2025 14:56	243118
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	08/08/2025 14:56	243118
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	08/08/2025 14:56	243118
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	08/08/2025 14:56	243118
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	08/08/2025 14:56	243118
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	08/08/2025 14:56	243118
Pyrene	NELAP	).000180	0.000200		**0.000229**	mg/L	1	08/08/2025 14:56	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**116.8**	%REC	1	08/08/2025 14:56	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**74.4**	%REC	1	08/08/2025 14:56	243118
Surr: 2-Fluorophenol	*	0	30-130		**88.1**	%REC	1	08/08/2025 14:56	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**75.0**	%REC	1	08/08/2025 14:56	243118
Surr: Phenol-d5	*	0	20.5-122		**81.8**	%REC	1	08/08/2025 14:56	243118
Surr: p-Terphenyl-d14	*	0	44-147		**80.6**	%REC	1	08/08/2025 14:56	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/08/2025 18:54	243176
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/08/2025 18:54	243176
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/08/2025 18:54	243176
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/08/2025 18:54	243176
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/08/2025 18:54	243176
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/08/2025 18:54	243176
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/08/2025 18:54	243176
Toluene	NELAP	0.10	2.00	B	**ND**	µg/L	1	08/08/2025 18:54	243176
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/08/2025 18:54	243176
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/08/2025 18:54	243176
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.7**	%REC	1	08/08/2025 18:54	243176
Surr: 4-Bromofluorobenzene	*	0	80-120		**102.2**	%REC	1	08/08/2025 18:54	243176
Surr: Dibromofluoromethane	*	0	80-120		**98.1**	%REC	1	08/08/2025 18:54	243176
Surr: Toluene-d8	*	0	80-120		**102.2**	%REC	1	08/08/2025 18:54	243176

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

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-006 **Client Sample ID:** GW-16S-WG-20250805

Matrix: GROUNDWATER **Collection Date:** 08/05/2025 15:15

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	08/08/2025 15:34	243118
Acenaphthylene	NELAP	0.000050	0.000100		**ND**	mg/L	1	08/08/2025 15:34	243118
Anthracene	NELAP	0.000200	0.000300		**ND**	mg/L	1	08/08/2025 15:34	243118
Benzo(a)anthracene	NELAP	0.000070	0.000100		**ND**	mg/L	1	08/08/2025 15:34	243118
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	08/08/2025 15:34	243118
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	08/08/2025 15:34	243118
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 15:34	243118
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 15:34	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/08/2025 15:34	243118
Chrysene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 15:34	243118
Dibenzo(a,h)anthracene	NELAP	0.000080	0.000100		**ND**	mg/L	1	08/08/2025 15:34	243118
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	08/08/2025 15:34	243118
Fluoranthene	NELAP	0.000270	0.000300		**ND**	mg/L	1	08/08/2025 15:34	243118
Fluorene	NELAP	0.000170	0.000200		**ND**	mg/L	1	08/08/2025 15:34	243118
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	08/08/2025 15:34	243118
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	08/08/2025 15:34	243118
Naphthalene	NELAP	0.000160	0.000400		**ND**	mg/L	1	08/08/2025 15:34	243118
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	08/08/2025 15:34	243118
Phenanthrene	NELAP	0.000530	0.000600		**ND**	mg/L	1	08/08/2025 15:34	243118
Pyrene	NELAP	0.000180	0.000200		**ND**	mg/L	1	08/08/2025 15:34	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**110.1**	%REC	1	08/08/2025 15:34	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**87.0**	%REC	1	08/08/2025 15:34	243118
Surr: 2-Fluorophenol	*	0	30-130		**98.1**	%REC	1	08/08/2025 15:34	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**87.4**	%REC	1	08/08/2025 15:34	243118
Surr: Phenol-d5	*	0	20.5-122		**91.1**	%REC	1	08/08/2025 15:34	243118
Surr: p-Terphenyl-d14	*	0	44-147		**90.7**	%REC	1	08/08/2025 15:34	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/08/2025 19:19	243176
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/08/2025 19:19	243176
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/08/2025 19:19	243176
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/08/2025 19:19	243176
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/08/2025 19:19	243176
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/08/2025 19:19	243176
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/08/2025 19:19	243176
Toluene	NELAP	0.10	2.00	B	**ND**	µg/L	1	08/08/2025 19:19	243176
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/08/2025 19:19	243176
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/08/2025 19:19	243176
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.5**	%REC	1	08/08/2025 19:19	243176
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.3**	%REC	1	08/08/2025 19:19	243176
Surr: Dibromofluoromethane	*	0	80-120		**97.9**	%REC	1	08/08/2025 19:19	243176
Surr: Toluene-d8	*	0	80-120		**103.2**	%REC	1	08/08/2025 19:19	243176

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

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-007 **Client Sample ID:** GW-16D-WG-20250805

Matrix: GROUNDWATER **Collection Date:** 08/05/2025 14:35

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	08/08/2025 16:13	243118
Acenaphthylene	NELAP	0.000050	0.000100		**ND**	mg/L	1	08/08/2025 16:13	243118
Anthracene	NELAP	0.000200	0.000300		**ND**	mg/L	1	08/08/2025 16:13	243118
Benzo(a)anthracene	NELAP	0.000070	0.000100		**ND**	mg/L	1	08/08/2025 16:13	243118
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	08/08/2025 16:13	243118
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	08/08/2025 16:13	243118
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 16:13	243118
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 16:13	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00451**	mg/L	1	08/08/2025 16:13	243118
Chrysene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 16:13	243118
Dibenzo(a,h)anthracene	NELAP	0.000080	0.000100		**ND**	mg/L	1	08/08/2025 16:13	243118
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	08/08/2025 16:13	243118
Fluoranthene	NELAP	0.000270	0.000300		**ND**	mg/L	1	08/08/2025 16:13	243118
Fluorene	NELAP	0.000170	0.000200		**ND**	mg/L	1	08/08/2025 16:13	243118
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	08/08/2025 16:13	243118
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	08/08/2025 16:13	243118
Naphthalene	NELAP	0.000160	0.000400		**ND**	mg/L	1	08/08/2025 16:13	243118
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	08/08/2025 16:13	243118
Phenanthrene	NELAP	0.000530	0.000600		**ND**	mg/L	1	08/08/2025 16:13	243118
Pyrene	NELAP	0.000180	0.000200		**ND**	mg/L	1	08/08/2025 16:13	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**104.2**	%REC	1	08/08/2025 16:13	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**82.2**	%REC	1	08/08/2025 16:13	243118
Surr: 2-Fluorophenol	*	0	30-130		**91.4**	%REC	1	08/08/2025 16:13	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**82.6**	%REC	1	08/08/2025 16:13	243118
Surr: Phenol-d5	*	0	20.5-122		**85.0**	%REC	1	08/08/2025 16:13	243118
Surr: p-Terphenyl-d14	*	0	44-147		**85.9**	%REC	1	08/08/2025 16:13	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50	J	**0.26**	µg/L	1	08/08/2025 19:44	243176
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/08/2025 19:44	243176
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/08/2025 19:44	243176
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/08/2025 19:44	243176
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/08/2025 19:44	243176
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/08/2025 19:44	243176
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/08/2025 19:44	243176
Toluene	NELAP	0.10	2.00	B	**ND**	µg/L	1	08/08/2025 19:44	243176
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/08/2025 19:44	243176
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/08/2025 19:44	243176
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**105.1**	%REC	1	08/08/2025 19:44	243176
Surr: 4-Bromofluorobenzene	*	0	80-120		**103.7**	%REC	1	08/08/2025 19:44	243176
Surr: Dibromofluoromethane	*	0	80-120		**98.4**	%REC	1	08/08/2025 19:44	243176
Surr: Toluene-d8	*	0	80-120		**103.2**	%REC	1	08/08/2025 19:44	243176

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

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-008 **Client Sample ID:** GW-17-WG-20250805

Matrix: GROUNDWATER **Collection Date:** 08/05/2025 15:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 16:52	243118
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	08/08/2025 16:52	243118
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	08/08/2025 16:52	243118
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 16:52	243118
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	08/08/2025 16:52	243118
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	08/08/2025 16:52	243118
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 16:52	243118
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 16:52	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/08/2025 16:52	243118
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 16:52	243118
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100		**ND**	mg/L	1	08/08/2025 16:52	243118
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	08/08/2025 16:52	243118
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	08/08/2025 16:52	243118
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	08/08/2025 16:52	243118
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	08/08/2025 16:52	243118
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	08/08/2025 16:52	243118
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	08/08/2025 16:52	243118
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	08/08/2025 16:52	243118
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	08/08/2025 16:52	243118
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	08/08/2025 16:52	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**106.4**	%REC	1	08/08/2025 16:52	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**82.2**	%REC	1	08/08/2025 16:52	243118
Surr: 2-Fluorophenol	*	0	30-130		**94.3**	%REC	1	08/08/2025 16:52	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**83.8**	%REC	1	08/08/2025 16:52	243118
Surr: Phenol-d5	*	0	20.5-122		**86.7**	%REC	1	08/08/2025 16:52	243118
Surr: p-Terphenyl-d14	*	0	44-147		**83.1**	%REC	1	08/08/2025 16:52	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/08/2025 20:09	243176
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/08/2025 20:09	243176
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/08/2025 20:09	243176
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/08/2025 20:09	243176
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/08/2025 20:09	243176
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/08/2025 20:09	243176
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/08/2025 20:09	243176
Toluene	NELAP	0.10	2.00	B	**ND**	µg/L	1	08/08/2025 20:09	243176
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/08/2025 20:09	243176
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/08/2025 20:09	243176
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.8**	%REC	1	08/08/2025 20:09	243176
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.9**	%REC	1	08/08/2025 20:09	243176
Surr: Dibromofluoromethane	*	0	80-120		**98.3**	%REC	1	08/08/2025 20:09	243176
Surr: Toluene-d8	*	0	80-120		**103.2**	%REC	1	08/08/2025 20:09	243176

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

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-009 **Client Sample ID:** GW-18S-WG-20250805

Matrix: GROUNDWATER **Collection Date:** 08/05/2025 12:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 15:02	243118
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	08/08/2025 15:02	243118
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	08/08/2025 15:02	243118
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 15:02	243118
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	08/08/2025 15:02	243118
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	08/08/2025 15:02	243118
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 15:02	243118
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 15:02	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00240**	mg/L	1	08/08/2025 15:02	243118
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 15:02	243118
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100		**ND**	mg/L	1	08/08/2025 15:02	243118
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	08/08/2025 15:02	243118
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	08/08/2025 15:02	243118
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	08/08/2025 15:02	243118
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	08/08/2025 15:02	243118
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	08/08/2025 15:02	243118
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	08/08/2025 15:02	243118
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	08/08/2025 15:02	243118
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	08/08/2025 15:02	243118
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	08/08/2025 15:02	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**136.6**	%REC	1	08/08/2025 15:02	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**85.5**	%REC	1	08/08/2025 15:02	243118
Surr: 2-Fluorophenol	*	0	30-130		**92.8**	%REC	1	08/08/2025 15:02	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**80.6**	%REC	1	08/08/2025 15:02	243118
Surr: Phenol-d5	*	0	20.5-122		**86.4**	%REC	1	08/08/2025 15:02	243118
Surr: p-Terphenyl-d14	*	0	44-147		**105.4**	%REC	1	08/08/2025 15:02	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/08/2025 20:34	243176
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/08/2025 20:34	243176
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/08/2025 20:34	243176
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/08/2025 20:34	243176
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/08/2025 20:34	243176
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/08/2025 20:34	243176
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/08/2025 20:34	243176
Toluene	NELAP	0.10	2.00	B	**ND**	µg/L	1	08/08/2025 20:34	243176
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/08/2025 20:34	243176
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/08/2025 20:34	243176
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.6**	%REC	1	08/08/2025 20:34	243176
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.4**	%REC	1	08/08/2025 20:34	243176
Surr: Dibromofluoromethane	*	0	80-120		**98.6**	%REC	1	08/08/2025 20:34	243176
Surr: Toluene-d8	*	0	80-120		**102.8**	%REC	1	08/08/2025 20:34	243176

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

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-010 **Client Sample ID:** GW-18D-WG-20250805

Matrix: GROUNDWATER **Collection Date:** 08/05/2025 11:50

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	08/08/2025 15:41	243118
Acenaphthylene	NELAP	0.000050	0.000100		**ND**	mg/L	1	08/08/2025 15:41	243118
Anthracene	NELAP	0.000200	0.000300		**ND**	mg/L	1	08/08/2025 15:41	243118
Benzo(a)anthracene	NELAP	0.000070	0.000100		**ND**	mg/L	1	08/08/2025 15:41	243118
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	08/08/2025 15:41	243118
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	08/08/2025 15:41	243118
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 15:41	243118
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 15:41	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00379**	mg/L	1	08/08/2025 15:41	243118
Chrysene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 15:41	243118
Dibenzo(a,h)anthracene	NELAP	0.000080	0.000100		**ND**	mg/L	1	08/08/2025 15:41	243118
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	08/08/2025 15:41	243118
Fluoranthene	NELAP	0.000270	0.000300		**ND**	mg/L	1	08/08/2025 15:41	243118
Fluorene	NELAP	0.000170	0.000200		**ND**	mg/L	1	08/08/2025 15:41	243118
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	08/08/2025 15:41	243118
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	08/08/2025 15:41	243118
Naphthalene	NELAP	0.000160	0.000400		**ND**	mg/L	1	08/08/2025 15:41	243118
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	08/08/2025 15:41	243118
Phenanthrene	NELAP	0.000530	0.000600		**ND**	mg/L	1	08/08/2025 15:41	243118
Pyrene	NELAP	0.000180	0.000200		**ND**	mg/L	1	08/08/2025 15:41	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161	S	**165.5**	%REC	1	08/08/2025 15:41	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**95.4**	%REC	1	08/08/2025 15:41	243118
Surr: 2-Fluorophenol	*	0	30-130		**99.0**	%REC	1	08/08/2025 15:41	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**81.4**	%REC	1	08/08/2025 15:41	243118
Surr: Phenol-d5	*	0	20.5-122		**81.2**	%REC	1	08/08/2025 15:41	243118
Surr: p-Terphenyl-d14	*	0	44-147		**116.2**	%REC	1	08/08/2025 15:41	243118

Surrogate recovery is outside control limits due to matrix interference.

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/08/2025 20:59	243176
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/08/2025 20:59	243176
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/08/2025 20:59	243176
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/08/2025 20:59	243176
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/08/2025 20:59	243176
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/08/2025 20:59	243176
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/08/2025 20:59	243176
Toluene	NELAP	0.10	2.00	B	**ND**	µg/L	1	08/08/2025 20:59	243176
trans-1,2-Dichloroethene	NELAP	0.10	2.0	J	**0.42**	µg/L	1	08/08/2025 20:59	243176
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/08/2025 20:59	243176
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**102.2**	%REC	1	08/08/2025 20:59	243176
Surr: 4-Bromofluorobenzene	*	0	80-120		**103.5**	%REC	1	08/08/2025 20:59	243176
Surr: Dibromofluoromethane	*	0	80-120		**98.0**	%REC	1	08/08/2025 20:59	243176
Surr: Toluene-d8	*	0	80-120		**102.7**	%REC	1	08/08/2025 20:59	243176

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

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-011 **Client Sample ID:** GW-19S-WG-20250805

Matrix: GROUNDWATER **Collection Date:** 08/05/2025 10:25

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	08/08/2025 16:21	243118
Acenaphthylene	NELAP	0.000050	0.000100		**ND**	mg/L	1	08/08/2025 16:21	243118
Anthracene	NELAP	0.000200	0.000300		**ND**	mg/L	1	08/08/2025 16:21	243118
Benzo(a)anthracene	NELAP	0.000070	0.000100		**ND**	mg/L	1	08/08/2025 16:21	243118
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	08/08/2025 16:21	243118
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	08/08/2025 16:21	243118
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 16:21	243118
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 16:21	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/08/2025 16:21	243118
Chrysene	NELAP	0.000120	0.000200		**ND**	mg/L	1	08/08/2025 16:21	243118
Dibenzo(a,h)anthracene	NELAP	0.000080	0.000100		**ND**	mg/L	1	08/08/2025 16:21	243118
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	08/08/2025 16:21	243118
Fluoranthene	NELAP	0.000270	0.000300		**ND**	mg/L	1	08/08/2025 16:21	243118
Fluorene	NELAP	0.000170	0.000200		**ND**	mg/L	1	08/08/2025 16:21	243118
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	08/08/2025 16:21	243118
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	08/08/2025 16:21	243118
Naphthalene	NELAP	0.000160	0.000400		**ND**	mg/L	1	08/08/2025 16:21	243118
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	08/08/2025 16:21	243118
Phenanthrene	NELAP	0.000530	0.000600		**ND**	mg/L	1	08/08/2025 16:21	243118
Pyrene	NELAP	0.000180	0.000200		**ND**	mg/L	1	08/08/2025 16:21	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**136.5**	%REC	1	08/08/2025 16:21	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**81.5**	%REC	1	08/08/2025 16:21	243118
Surr: 2-Fluorophenol	*	0	30-130		**95.1**	%REC	1	08/08/2025 16:21	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**75.6**	%REC	1	08/08/2025 16:21	243118
Surr: Phenol-d5	*	0	20.5-122		**83.6**	%REC	1	08/08/2025 16:21	243118
Surr: p-Terphenyl-d14	*	0	44-147		**107.2**	%REC	1	08/08/2025 16:21	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/08/2025 21:24	243176
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/08/2025 21:24	243176
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/08/2025 21:24	243176
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/08/2025 21:24	243176
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/08/2025 21:24	243176
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/08/2025 21:24	243176
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/08/2025 21:24	243176
Toluene	NELAP	0.10	2.00	B	**ND**	µg/L	1	08/08/2025 21:24	243176
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/08/2025 21:24	243176
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/08/2025 21:24	243176
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.3**	%REC	1	08/08/2025 21:24	243176
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.8**	%REC	1	08/08/2025 21:24	243176
Surr: Dibromofluoromethane	*	0	80-120		**98.1**	%REC	1	08/08/2025 21:24	243176
Surr: Toluene-d8	*	0	80-120		**102.7**	%REC	1	08/08/2025 21:24	243176

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

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-012 **Client Sample ID:** GW-19D-WG-20250805

Matrix: GROUNDWATER **Collection Date:** 08/05/2025 10:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 17:00	243118
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	08/08/2025 17:00	243118
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	08/08/2025 17:00	243118
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 17:00	243118
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	08/08/2025 17:00	243118
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	08/08/2025 17:00	243118
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 17:00	243118
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 17:00	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/08/2025 17:00	243118
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 17:00	243118
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100		**ND**	mg/L	1	08/08/2025 17:00	243118
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	08/08/2025 17:00	243118
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	08/08/2025 17:00	243118
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	08/08/2025 17:00	243118
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	08/08/2025 17:00	243118
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	08/08/2025 17:00	243118
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	08/08/2025 17:00	243118
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	08/08/2025 17:00	243118
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	08/08/2025 17:00	243118
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	08/08/2025 17:00	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161	S	**164.6**	%REC	1	08/08/2025 17:00	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**82.0**	%REC	1	08/08/2025 17:00	243118
Surr: 2-Fluorophenol	*	0	30-130		**96.6**	%REC	1	08/08/2025 17:00	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**78.1**	%REC	1	08/08/2025 17:00	243118
Surr: Phenol-d5	*	0	20.5-122		**87.9**	%REC	1	08/08/2025 17:00	243118
Surr: p-Terphenyl-d14	*	0	44-147		**116.2**	%REC	1	08/08/2025 17:00	243118
Surrogate recovery is outside control limits due to matrix interference.									
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/08/2025 21:49	243176
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/08/2025 21:49	243176
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/08/2025 21:49	243176
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/08/2025 21:49	243176
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/08/2025 21:49	243176
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/08/2025 21:49	243176
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/08/2025 21:49	243176
Toluene	NELAP	0.10	2.00	B	**ND**	µg/L	1	08/08/2025 21:49	243176
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/08/2025 21:49	243176
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/08/2025 21:49	243176
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.8**	%REC	1	08/08/2025 21:49	243176
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.7**	%REC	1	08/08/2025 21:49	243176
Surr: Dibromofluoromethane	*	0	80-120		**98.1**	%REC	1	08/08/2025 21:49	243176
Surr: Toluene-d8	*	0	80-120		**103.0**	%REC	1	08/08/2025 21:49	243176
Contamination present in the MBLK for Toluene. Sample results below the reporting limit are reportable per the TNI Standard.									

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-013 **Client Sample ID:** GW-20-WG-20250804

Matrix: GROUNDWATER **Collection Date:** 08/04/2025 14:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 19:37	243118
Acenaphthylene	NELAP	).000050	0.000100		**0.000788**	mg/L	1	08/08/2025 19:37	243118
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	08/08/2025 19:37	243118
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.00128**	mg/L	1	08/08/2025 19:37	243118
Benzo(a)pyrene	NELAP	).000110	0.000200		**0.00433**	mg/L	1	08/08/2025 19:37	243118
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**0.00400**	mg/L	1	08/08/2025 19:37	243118
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**0.00408**	mg/L	1	08/08/2025 19:37	243118
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**0.00108**	mg/L	1	08/08/2025 19:37	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/08/2025 19:37	243118
Chrysene	NELAP	).000120	0.000200		**0.00173**	mg/L	1	08/08/2025 19:37	243118
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100		**0.00124**	mg/L	1	08/08/2025 19:37	243118
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	08/08/2025 19:37	243118
Fluoranthene	NELAP	).000270	0.000300		**0.00124**	mg/L	1	08/08/2025 19:37	243118
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	08/08/2025 19:37	243118
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**0.00328**	mg/L	1	08/08/2025 19:37	243118
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	08/08/2025 19:37	243118
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	08/08/2025 19:37	243118
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	08/08/2025 19:37	243118
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	08/08/2025 19:37	243118
Pyrene	NELAP	).000180	0.000200		**0.00254**	mg/L	1	08/08/2025 19:37	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**119.2**	%REC	1	08/08/2025 19:37	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**80.7**	%REC	1	08/08/2025 19:37	243118
Surr: 2-Fluorophenol	*	0	30-130		**76.5**	%REC	1	08/08/2025 19:37	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**71.0**	%REC	1	08/08/2025 19:37	243118
Surr: Phenol-d5	*	0	20.5-122		**72.2**	%REC	1	08/08/2025 19:37	243118
Surr: p-Terphenyl-d14	*	0	44-147		**97.9**	%REC	1	08/08/2025 19:37	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/12/2025 18:17	243300
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/12/2025 18:17	243300
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/12/2025 18:17	243300
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/12/2025 18:17	243300
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/12/2025 18:17	243300
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/12/2025 18:17	243300
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/12/2025 18:17	243300
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	08/12/2025 18:17	243300
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/12/2025 18:17	243300
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/12/2025 18:17	243300
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.1**	%REC	1	08/12/2025 18:17	243300
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.6**	%REC	1	08/12/2025 18:17	243300
Surr: Dibromofluoromethane	*	0	80-120		**99.3**	%REC	1	08/12/2025 18:17	243300
Surr: Toluene-d8	*	0	80-120		**97.6**	%REC	1	08/12/2025 18:17	243300

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-014 **Client Sample ID:** GW-22S-WG-20250806

Matrix: GROUNDWATER **Collection Date:** 08/06/2025 15:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	.000070	0.000100		**ND**	mg/L	1	08/08/2025 17:40	243118
Acenaphthylene	NELAP	.000050	0.000100		**ND**	mg/L	1	08/08/2025 17:40	243118
Anthracene	NELAP	.000200	0.000300		**ND**	mg/L	1	08/08/2025 17:40	243118
Benzo(a)anthracene	NELAP	.000070	0.000100		**ND**	mg/L	1	08/08/2025 17:40	243118
Benzo(a)pyrene	NELAP	.000110	0.000200		**ND**	mg/L	1	08/08/2025 17:40	243118
Benzo(b)fluoranthene	NELAP	.000130	0.000200		**ND**	mg/L	1	08/08/2025 17:40	243118
Benzo(g,h,i)perylene	NELAP	.000120	0.000200		**ND**	mg/L	1	08/08/2025 17:40	243118
Benzo(k)fluoranthene	NELAP	.000120	0.000200		**ND**	mg/L	1	08/08/2025 17:40	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00286	0.00400		**0.00580**	mg/L	2	08/11/2025 13:15	243118
Chrysene	NELAP	.000120	0.000200		**ND**	mg/L	1	08/08/2025 17:40	243118
Dibenzo(a,h)anthracene	NELAP	.000080	0.000100		**ND**	mg/L	1	08/08/2025 17:40	243118
Di-n-butyl phthalate	NELAP	.000830	0.0100		**ND**	mg/L	1	08/08/2025 17:40	243118
Fluoranthene	NELAP	.000270	0.000300		**ND**	mg/L	1	08/08/2025 17:40	243118
Fluorene	NELAP	.000170	0.000200		**ND**	mg/L	1	08/08/2025 17:40	243118
Indeno(1,2,3-cd)pyrene	NELAP	.000160	0.000200		**ND**	mg/L	1	08/08/2025 17:40	243118
m,p-Cresol	NELAP	.000590	0.0100		**ND**	mg/L	1	08/08/2025 17:40	243118
Naphthalene	NELAP	.000160	0.000400		**ND**	mg/L	1	08/08/2025 17:40	243118
o-Cresol	NELAP	.000540	0.0100		**ND**	mg/L	1	08/08/2025 17:40	243118
Phenanthrene	NELAP	.000530	0.000600		**ND**	mg/L	1	08/08/2025 17:40	243118
Pyrene	NELAP	.000180	0.000200		**ND**	mg/L	1	08/08/2025 17:40	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**145.2**	%REC	1	08/08/2025 17:40	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**87.0**	%REC	1	08/08/2025 17:40	243118
Surr: 2-Fluorophenol	*	0	30-130		**99.6**	%REC	1	08/08/2025 17:40	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**77.8**	%REC	1	08/08/2025 17:40	243118
Surr: Phenol-d5	*	0	20.5-122		**93.4**	%REC	1	08/08/2025 17:40	243118
Surr: p-Terphenyl-d14	*	0	44-147		**114.9**	%REC	1	08/08/2025 17:40	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/12/2025 18:41	243300
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/12/2025 18:41	243300
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/12/2025 18:41	243300
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/12/2025 18:41	243300
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/12/2025 18:41	243300
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/12/2025 18:41	243300
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/12/2025 18:41	243300
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	08/12/2025 18:41	243300
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/12/2025 18:41	243300
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/12/2025 18:41	243300
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**96.4**	%REC	1	08/12/2025 18:41	243300
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.0**	%REC	1	08/12/2025 18:41	243300
Surr: Dibromofluoromethane	*	0	80-120		**99.1**	%REC	1	08/12/2025 18:41	243300
Surr: Toluene-d8	*	0	80-120		**98.1**	%REC	1	08/12/2025 18:41	243300

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-015 **Client Sample ID:** GW-22D-WG-20250806

Matrix: GROUNDWATER **Collection Date:** 08/06/2025 14:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 18:19	243118
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	08/08/2025 18:19	243118
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	08/08/2025 18:19	243118
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 18:19	243118
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	08/08/2025 18:19	243118
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	08/08/2025 18:19	243118
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 18:19	243118
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 18:19	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/08/2025 18:19	243118
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 18:19	243118
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100		**ND**	mg/L	1	08/08/2025 18:19	243118
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	08/08/2025 18:19	243118
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	08/08/2025 18:19	243118
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	08/08/2025 18:19	243118
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	08/08/2025 18:19	243118
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	08/08/2025 18:19	243118
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	08/08/2025 18:19	243118
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	08/08/2025 18:19	243118
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	08/08/2025 18:19	243118
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	08/08/2025 18:19	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**156.1**	%REC	1	08/08/2025 18:19	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**86.1**	%REC	1	08/08/2025 18:19	243118
Surr: 2-Fluorophenol	*	0	30-130		**86.5**	%REC	1	08/08/2025 18:19	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**73.7**	%REC	1	08/08/2025 18:19	243118
Surr: Phenol-d5	*	0	20.5-122		**82.1**	%REC	1	08/08/2025 18:19	243118
Surr: p-Terphenyl-d14	*	0	44-147		**109.8**	%REC	1	08/08/2025 18:19	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/12/2025 19:04	243300
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/12/2025 19:04	243300
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/12/2025 19:04	243300
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/12/2025 19:04	243300
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/12/2025 19:04	243300
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/12/2025 19:04	243300
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/12/2025 19:04	243300
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	08/12/2025 19:04	243300
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/12/2025 19:04	243300
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/12/2025 19:04	243300
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.5**	%REC	1	08/12/2025 19:04	243300
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.7**	%REC	1	08/12/2025 19:04	243300
Surr: Dibromofluoromethane	*	0	80-120		**99.8**	%REC	1	08/12/2025 19:04	243300
Surr: Toluene-d8	*	0	80-120		**98.5**	%REC	1	08/12/2025 19:04	243300

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-016 **Client Sample ID:** DUP-001-WG-20250806

Matrix: GROUNDWATER **Collection Date:** 08/06/2025 0:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 18:58	243118
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	08/08/2025 18:58	243118
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	08/08/2025 18:58	243118
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 18:58	243118
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	08/08/2025 18:58	243118
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	08/08/2025 18:58	243118
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 18:58	243118
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 18:58	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/08/2025 18:58	243118
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 18:58	243118
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100		**ND**	mg/L	1	08/08/2025 18:58	243118
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	08/08/2025 18:58	243118
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	08/08/2025 18:58	243118
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	08/08/2025 18:58	243118
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	08/08/2025 18:58	243118
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	08/08/2025 18:58	243118
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	08/08/2025 18:58	243118
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	08/08/2025 18:58	243118
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	08/08/2025 18:58	243118
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	08/08/2025 18:58	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**156.1**	%REC	1	08/08/2025 18:58	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**86.6**	%REC	1	08/08/2025 18:58	243118
Surr: 2-Fluorophenol	*	0	30-130		**90.9**	%REC	1	08/08/2025 18:58	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**73.1**	%REC	1	08/08/2025 18:58	243118
Surr: Phenol-d5	*	0	20.5-122		**87.7**	%REC	1	08/08/2025 18:58	243118
Surr: p-Terphenyl-d14	*	0	44-147		**110.7**	%REC	1	08/08/2025 18:58	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/11/2025 17:45	243225
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/11/2025 17:45	243225
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/11/2025 17:45	243225
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/11/2025 17:45	243225
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/11/2025 17:45	243225
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/11/2025 17:45	243225
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/11/2025 17:45	243225
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	08/11/2025 17:45	243225
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/11/2025 17:45	243225
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/11/2025 17:45	243225
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.1**	%REC	1	08/11/2025 17:45	243225
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.1**	%REC	1	08/11/2025 17:45	243225
Surr: Dibromofluoromethane	*	0	80-120		**100.6**	%REC	1	08/11/2025 17:45	243225
Surr: Toluene-d8	*	0	80-120		**98.1**	%REC	1	08/11/2025 17:45	243225

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-017 **Client Sample ID:** DUP-002-WG-20250807

Matrix: GROUNDWATER **Collection Date:** 08/07/2025 0:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.00350	0.00500		**0.0176**	mg/L	50	08/11/2025 14:33	243118
Acenaphthylene	NELAP	0.00250	0.00500		**0.0144**	mg/L	50	08/11/2025 14:33	243118
Anthracene	NELAP	).000200	0.000300		**0.00335**	mg/L	1	08/09/2025 8:01	243118
Benzo(a)anthracene	NELAP	0.00350	0.00500		**0.00623**	mg/L	50	08/11/2025 14:33	243118
Benzo(a)pyrene	NELAP	0.00550	0.0100		**ND**	mg/L	50	08/11/2025 14:33	243118
Benzo(b)fluoranthene	NELAP	0.0065	0.010	J	**0.0074**	mg/L	50	08/11/2025 14:33	243118
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**0.00232**	mg/L	1	08/09/2025 8:01	243118
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**0.00266**	mg/L	1	08/09/2025 8:01	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/09/2025 8:01	243118
Chrysene	NELAP	0.00600	0.0100		**0.0133**	mg/L	50	08/11/2025 14:33	243118
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100		**0.00205**	mg/L	1	08/09/2025 8:01	243118
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	08/09/2025 8:01	243118
Fluoranthene	NELAP	0.0135	0.0150		**0.0298**	mg/L	50	08/11/2025 14:33	243118
Fluorene	NELAP	0.00850	0.0100		**0.0782**	mg/L	50	08/11/2025 14:33	243118
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**0.00303**	mg/L	1	08/09/2025 8:01	243118
m,p-Cresol	NELAP	0.00059	0.010	J	**0.0022**	mg/L	1	08/09/2025 8:01	243118
Naphthalene	NELAP	0.0800	0.200		**0.481**	mg/L	500	08/11/2025 16:32	243118
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	08/09/2025 8:01	243118
Phenanthrene	NELAP	0.0265	0.0300		**0.127**	mg/L	50	08/11/2025 14:33	243118
Pyrene	NELAP	0.00900	0.0100		**0.0210**	mg/L	50	08/11/2025 14:33	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**116.0**	%REC	1	08/09/2025 8:01	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**96.7**	%REC	1	08/09/2025 8:01	243118
Surr: 2-Fluorophenol	*	0	30-130		**74.1**	%REC	1	08/09/2025 8:01	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**89.6**	%REC	1	08/09/2025 8:01	243118
Surr: Phenol-d5	*	0	20.5-122		**79.7**	%REC	1	08/09/2025 8:01	243118
Surr: p-Terphenyl-d14	*	0	44-147		**97.6**	%REC	1	08/09/2025 8:01	243118
Elevated reporting limit due to high levels of target analytes.									
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	1.00	10.0		**726**	µg/L	20	08/12/2025 19:52	243300
Bromoform	NELAP	1.80	4.00		**ND**	µg/L	20	08/12/2025 19:52	243300
Ethylbenzene	NELAP	2.00	20.0		**259**	µg/L	20	08/12/2025 19:52	243300
m,p-Xylenes	NELAP	4.40	20.0		**82.4**	µg/L	20	08/12/2025 19:52	243300
Methylene chloride	NELAP	17.4	40.0		**ND**	µg/L	20	08/12/2025 19:52	243300
Naphthalene	NELAP	11.4	40.0		**806**	µg/L	20	08/12/2025 19:52	243300
o-Xylene	NELAP	1.00	20.0		**171**	µg/L	20	08/12/2025 19:52	243300
Toluene	NELAP	2.00	40.0		**139**	µg/L	20	08/12/2025 19:52	243300
trans-1,2-Dichloroethene	NELAP	2.00	40.0		**ND**	µg/L	20	08/12/2025 19:52	243300
Xylenes, Total	NELAP	5.60	40.0		**254**	µg/L	20	08/12/2025 19:52	243300
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.6**	%REC	20	08/12/2025 19:52	243300
Surr: 4-Bromofluorobenzene	*	0	80-120		**97.4**	%REC	20	08/12/2025 19:52	243300
Surr: Dibromofluoromethane	*	0	80-120		**97.3**	%REC	20	08/12/2025 19:52	243300
Surr: Toluene-d8	*	0	80-120		**97.9**	%REC	20	08/12/2025 19:52	243300
Elevated reporting limit due to high levels of target and/or non-target analytes.									

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-018 **Client Sample ID:** GW-25-WG-20250804

Matrix: GROUNDWATER **Collection Date:** 08/04/2025 15:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Acenaphthylene	NELAP	).000050	0.000100	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Anthracene	NELAP	).000200	0.000300	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Benzo(a)anthracene	NELAP	).000070	0.000100	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Benzo(a)pyrene	NELAP	).000110	0.000200	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Benzo(b)fluoranthene	NELAP	).000130	0.000200	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Benzo(g,h,i)perylene	NELAP	).000120	0.000200	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Benzo(k)fluoranthene	NELAP	).000120	0.000200	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	H	**0.00233**	mg/L	1	08/14/2025 19:39	243431
Chrysene	NELAP	).000120	0.000200	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Di-n-butyl phthalate	NELAP	).000830	0.0100	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Fluoranthene	NELAP	).000270	0.000300	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Fluorene	NELAP	).000170	0.000200	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200	H	**ND**	mg/L	1	08/14/2025 19:39	243431
m,p-Cresol	NELAP	).000590	0.0100	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Naphthalene	NELAP	).000160	0.000400	H	**ND**	mg/L	1	08/14/2025 19:39	243431
o-Cresol	NELAP	).000540	0.0100	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Phenanthrene	NELAP	).000530	0.000600	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Pyrene	NELAP	).000180	0.000200	H	**ND**	mg/L	1	08/14/2025 19:39	243431
Surr: 2,4,6-Tribromophenol	*	0	31.7-161	H	**132.0**	%REC	1	08/14/2025 19:39	243431
Surr: 2-Fluorobiphenyl	*	0	37.7-123	H	**71.8**	%REC	1	08/14/2025 19:39	243431
Surr: 2-Fluorophenol	*	0	30-130	H	**82.5**	%REC	1	08/14/2025 19:39	243431
Surr: Nitrobenzene-d5	*	0	40.7-126	H	**74.6**	%REC	1	08/14/2025 19:39	243431
Surr: Phenol-d5	*	0	20.5-122	H	**72.1**	%REC	1	08/14/2025 19:39	243431
Surr: p-Terphenyl-d14	*	0	44-147	H	**80.1**	%REC	1	08/14/2025 19:39	243431

Sample required re-extraction out of hold time.

SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/08/2025 22:14	243176
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/08/2025 22:14	243176
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/08/2025 22:14	243176
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/08/2025 22:14	243176
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/08/2025 22:14	243176
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/08/2025 22:14	243176
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/08/2025 22:14	243176
Toluene	NELAP	0.10	2.00	B	**ND**	µg/L	1	08/08/2025 22:14	243176
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/08/2025 22:14	243176
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/08/2025 22:14	243176
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.3**	%REC	1	08/08/2025 22:14	243176
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.9**	%REC	1	08/08/2025 22:14	243176
Surr: Dibromofluoromethane	*	0	80-120		**97.5**	%REC	1	08/08/2025 22:14	243176
Surr: Toluene-d8	*	0	80-120		**102.6**	%REC	1	08/08/2025 22:14	243176

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

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-019 **Client Sample ID:** GW-26-WG-20250804

Matrix: GROUNDWATER **Collection Date:** 08/04/2025 14:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/09/2025 2:48	243118
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	08/09/2025 2:48	243118
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	08/09/2025 2:48	243118
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/09/2025 2:48	243118
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	08/09/2025 2:48	243118
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	08/09/2025 2:48	243118
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/09/2025 2:48	243118
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/09/2025 2:48	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/09/2025 2:48	243118
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/09/2025 2:48	243118
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100		**ND**	mg/L	1	08/09/2025 2:48	243118
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	08/09/2025 2:48	243118
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	08/09/2025 2:48	243118
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	08/09/2025 2:48	243118
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	08/09/2025 2:48	243118
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	08/09/2025 2:48	243118
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	08/09/2025 2:48	243118
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	08/09/2025 2:48	243118
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	08/09/2025 2:48	243118
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	08/09/2025 2:48	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**137.1**	%REC	1	08/09/2025 2:48	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**76.0**	%REC	1	08/09/2025 2:48	243118
Surr: 2-Fluorophenol	*	0	30-130		**75.9**	%REC	1	08/09/2025 2:48	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**73.9**	%REC	1	08/09/2025 2:48	243118
Surr: Phenol-d5	*	0	20.5-122		**84.5**	%REC	1	08/09/2025 2:48	243118
Surr: p-Terphenyl-d14	*	0	44-147		**105.3**	%REC	1	08/09/2025 2:48	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/11/2025 18:09	243225
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/11/2025 18:09	243225
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/11/2025 18:09	243225
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/11/2025 18:09	243225
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/11/2025 18:09	243225
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/11/2025 18:09	243225
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/11/2025 18:09	243225
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	08/11/2025 18:09	243225
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/11/2025 18:09	243225
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/11/2025 18:09	243225
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.1**	%REC	1	08/11/2025 18:09	243225
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.3**	%REC	1	08/11/2025 18:09	243225
Surr: Dibromofluoromethane	*	0	80-120		**100.6**	%REC	1	08/11/2025 18:09	243225
Surr: Toluene-d8	*	0	80-120		**99.0**	%REC	1	08/11/2025 18:09	243225

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-020 **Client Sample ID:** EQB-001-WQ-20250804

Matrix: AQUEOUS **Collection Date:** 08/04/2025 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/09/2025 3:27	243118
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	08/09/2025 3:27	243118
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	08/09/2025 3:27	243118
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/09/2025 3:27	243118
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	08/09/2025 3:27	243118
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	08/09/2025 3:27	243118
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/09/2025 3:27	243118
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/09/2025 3:27	243118
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/09/2025 3:27	243118
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/09/2025 3:27	243118
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100		**ND**	mg/L	1	08/09/2025 3:27	243118
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	08/09/2025 3:27	243118
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	08/09/2025 3:27	243118
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	08/09/2025 3:27	243118
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	08/09/2025 3:27	243118
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	08/09/2025 3:27	243118
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	08/09/2025 3:27	243118
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	08/09/2025 3:27	243118
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	08/09/2025 3:27	243118
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	08/09/2025 3:27	243118
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**129.6**	%REC	1	08/09/2025 3:27	243118
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**84.0**	%REC	1	08/09/2025 3:27	243118
Surr: 2-Fluorophenol	*	0	30-130		**97.1**	%REC	1	08/09/2025 3:27	243118
Surr: Nitrobenzene-d5	*	0	40.7-126		**81.0**	%REC	1	08/09/2025 3:27	243118
Surr: Phenol-d5	*	0	20.5-122		**92.1**	%REC	1	08/09/2025 3:27	243118
Surr: p-Terphenyl-d14	*	0	44-147		**111.5**	%REC	1	08/09/2025 3:27	243118
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/11/2025 23:41	243269
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/11/2025 23:41	243269
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/11/2025 23:41	243269
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/11/2025 23:41	243269
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/11/2025 23:41	243269
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/11/2025 23:41	243269
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/11/2025 23:41	243269
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	08/11/2025 23:41	243269
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/11/2025 23:41	243269
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/11/2025 23:41	243269
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**96.4**	%REC	1	08/11/2025 23:41	243269
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.8**	%REC	1	08/11/2025 23:41	243269
Surr: Dibromofluoromethane	*	0	80-120		**99.3**	%REC	1	08/11/2025 23:41	243269
Surr: Toluene-d8	*	0	80-120		**98.4**	%REC	1	08/11/2025 23:41	243269

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-021 **Client Sample ID:** GW-20FF-WG-20250804

Matrix: GROUNDWATER **Collection Date:** 08/04/2025 14:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	08/08/2025 23:32	243146
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	08/08/2025 23:32	243146
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	08/08/2025 23:32	243146
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000123**	mg/L	1	08/08/2025 23:32	243146
Benzo(a)pyrene	NELAP	).000110	0.000200		**0.000342**	mg/L	1	08/08/2025 23:32	243146
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**0.000351**	mg/L	1	08/08/2025 23:32	243146
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**0.000282**	mg/L	1	08/08/2025 23:32	243146
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	08/08/2025 23:32	243146
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	08/08/2025 23:32	243146
Chrysene	NELAP	0.00012	0.00020	J	**0.00015**	mg/L	1	08/08/2025 23:32	243146
Dibenzo(a,h)anthracene	NELAP	).000080	0.000100		**ND**	mg/L	1	08/08/2025 23:32	243146
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	08/08/2025 23:32	243146
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	08/08/2025 23:32	243146
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	08/08/2025 23:32	243146
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**0.000260**	mg/L	1	08/08/2025 23:32	243146
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	08/08/2025 23:32	243146
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	08/08/2025 23:32	243146
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	08/08/2025 23:32	243146
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	08/08/2025 23:32	243146
Pyrene	NELAP	).000180	0.000200		**0.000250**	mg/L	1	08/08/2025 23:32	243146
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**100.1**	%REC	1	08/08/2025 23:32	243146
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**72.8**	%REC	1	08/08/2025 23:32	243146
Surr: 2-Fluorophenol	*	0	30-130		**82.8**	%REC	1	08/08/2025 23:32	243146
Surr: Nitrobenzene-d5	*	0	40.7-126		**69.8**	%REC	1	08/08/2025 23:32	243146
Surr: Phenol-d5	*	0	20.5-122		**81.5**	%REC	1	08/08/2025 23:32	243146
Surr: p-Terphenyl-d14	*	0	44-147		**95.8**	%REC	1	08/08/2025 23:32	243146
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/12/2025 5:36	243269
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/12/2025 5:36	243269
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/12/2025 5:36	243269
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/12/2025 5:36	243269
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/12/2025 5:36	243269
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/12/2025 5:36	243269
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/12/2025 5:36	243269
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	08/12/2025 5:36	243269
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/12/2025 5:36	243269
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/12/2025 5:36	243269
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**96.6**	%REC	1	08/12/2025 5:36	243269
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.4**	%REC	1	08/12/2025 5:36	243269
Surr: Dibromofluoromethane	*	0	80-120		**99.4**	%REC	1	08/12/2025 5:36	243269
Surr: Toluene-d8	*	0	80-120		**99.0**	%REC	1	08/12/2025 5:36	243269

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Lab ID: 25080648-022 **Client Sample ID:** Trip Blank

Matrix: TRIP BLANK **Collection Date:** 08/07/2025 11:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	08/12/2025 0:05	243269
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	08/12/2025 0:05	243269
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	08/12/2025 0:05	243269
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	08/12/2025 0:05	243269
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	08/12/2025 0:05	243269
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	08/12/2025 0:05	243269
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	08/12/2025 0:05	243269
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	08/12/2025 0:05	243269
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	08/12/2025 0:05	243269
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	08/12/2025 0:05	243269
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**95.7**	%REC	1	08/12/2025 0:05	243269
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.3**	%REC	1	08/12/2025 0:05	243269
Surr: Dibromofluoromethane	*	0	80-120		**99.4**	%REC	1	08/12/2025 0:05	243269
Surr: Toluene-d8	*	0	80-120		**99.4**	%REC	1	08/12/2025 0:05	243269

Client: ERM
Work Order: 25080648
Client Project: Ameren Taylorville 3rd Qtr 2025
Report Date: 27-Aug-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
25080648-001	GW-04R-20250807	Groundwater	2	08/07/2025 8:30
25080648-002	GW-05-WG-20250804	Groundwater	2	08/04/2025 13:15
25080648-003	GW-07-WG-20250806	Groundwater	2	08/06/2025 11:30
25080648-004	GW-14-WG-20250806	Groundwater	2	08/06/2025 9:00
25080648-005	GW-15-WG-20250806	Groundwater	2	08/06/2025 16:30
25080648-006	GW-16S-WG-20250805	Groundwater	2	08/05/2025 15:15
25080648-007	GW-16D-WG-20250805	Groundwater	2	08/05/2025 14:35
25080648-008	GW-17-WG-20250805	Groundwater	2	08/05/2025 15:50
25080648-009	GW-18S-WG-20250805	Groundwater	2	08/05/2025 12:35
25080648-010	GW-18D-WG-20250805	Groundwater	2	08/05/2025 11:50
25080648-011	GW-19S-WG-20250805	Groundwater	2	08/05/2025 10:25
25080648-012	GW-19D-WG-20250805	Groundwater	2	08/05/2025 10:00
25080648-013	GW-20-WG-20250804	Groundwater	2	08/04/2025 14:50
25080648-014	GW-22S-WG-20250806	Groundwater	2	08/06/2025 15:15
25080648-015	GW-22D-WG-20250806	Groundwater	2	08/06/2025 14:35
25080648-016	DUP-001-WG-20250806	Groundwater	2	08/06/2025 0:01
25080648-017	DUP-002-WG-20250807	Groundwater	2	08/07/2025 0:02
25080648-018	GW-25-WG-20250804	Groundwater	2	08/04/2025 15:55
25080648-019	GW-26-WG-20250804	Groundwater	2	08/04/2025 14:15
25080648-020	EQB-001-WQ-20250804	Aqueous	2	08/04/2025 11:30
25080648-021	GW-20FF-WG-20250804	Groundwater	2	08/04/2025 14:50
25080648-022	Trip Blank	Trip Blank	1	08/07/2025 11:00

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
25080648-001A	GW-04R-20250807	08/07/2025 8:30	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/08/2025 10:13	08/09/2025 7:22
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/08/2025 10:13	08/11/2025 13:54
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/08/2025 10:13	08/11/2025 15:53
25080648-001B	GW-04R-20250807	08/07/2025 8:30	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/12/2025 19:28
25080648-002A	GW-05-WG-20250804	08/04/2025 13:15	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 16:51	08/08/2025 13:00
25080648-002B	GW-05-WG-20250804	08/04/2025 13:15	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/08/2025 17:39
25080648-003A	GW-07-WG-20250806	08/06/2025 11:30	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 16:51	08/08/2025 13:39
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 16:51	08/11/2025 15:12
25080648-003B	GW-07-WG-20250806	08/06/2025 11:30	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/08/2025 18:04
25080648-004A	GW-14-WG-20250806	08/06/2025 9:00	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 16:51	08/08/2025 14:17
25080648-004B	GW-14-WG-20250806	08/06/2025 9:00	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/08/2025 18:29
25080648-005A	GW-15-WG-20250806	08/06/2025 16:30	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 16:51	08/08/2025 14:56
25080648-005B	GW-15-WG-20250806	08/06/2025 16:30	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/08/2025 18:54
25080648-006A	GW-16S-WG-20250805	08/05/2025 15:15	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 16:51	08/08/2025 15:34
25080648-006B	GW-16S-WG-20250805	08/05/2025 15:15	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/08/2025 19:19
25080648-007A	GW-16D-WG-20250805	08/05/2025 14:35	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 16:51	08/08/2025 16:13
25080648-007B	GW-16D-WG-20250805	08/05/2025 14:35	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/08/2025 19:44
25080648-008A	GW-17-WG-20250805	08/05/2025 15:50	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 18:08	08/08/2025 16:52
25080648-008B	GW-17-WG-20250805	08/05/2025 15:50	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/08/2025 20:09

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
25080648-009A	GW-18S-WG-20250805	08/05/2025 12:35	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 18:08	08/08/2025 15:02
25080648-009B	GW-18S-WG-20250805	08/05/2025 12:35	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/08/2025 20:34
25080648-010A	GW-18D-WG-20250805	08/05/2025 11:50	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 18:08	08/08/2025 15:41
25080648-010B	GW-18D-WG-20250805	08/05/2025 11:50	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/08/2025 20:59
25080648-011A	GW-19S-WG-20250805	08/05/2025 10:25	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 18:08	08/08/2025 16:21
25080648-011B	GW-19S-WG-20250805	08/05/2025 10:25	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/08/2025 21:24
25080648-012A	GW-19D-WG-20250805	08/05/2025 10:00	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 18:08	08/08/2025 17:00
25080648-012B	GW-19D-WG-20250805	08/05/2025 10:00	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/08/2025 21:49
25080648-013A	GW-20-WG-20250804	08/04/2025 14:50	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 18:08	08/08/2025 19:37
25080648-013B	GW-20-WG-20250804	08/04/2025 14:50	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/12/2025 18:17
25080648-014A	GW-22S-WG-20250806	08/06/2025 15:15	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 18:08	08/08/2025 17:40
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 18:08	08/11/2025 13:15
25080648-014B	GW-22S-WG-20250806	08/06/2025 15:15	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/12/2025 18:41
25080648-015A	GW-22D-WG-20250806	08/06/2025 14:35	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 18:08	08/08/2025 18:19
25080648-015B	GW-22D-WG-20250806	08/06/2025 14:35	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/12/2025 19:04
25080648-016A	DUP-001-WG-20250806	08/06/2025 0:01	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/07/2025 18:08	08/08/2025 18:58
25080648-016B	DUP-001-WG-20250806	08/06/2025 0:01	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/11/2025 17:45
25080648-017A	DUP-002-WG-20250807	08/07/2025 0:02	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/08/2025 10:13	08/09/2025 8:01

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/08/2025 10:13	08/11/2025 14:33
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/08/2025 10:13	08/11/2025 16:32
25080648-017B	DUP-002-WG-20250807	08/07/2025 0:02	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/12/2025 19:52
25080648-018A	GW-25-WG-20250804	08/04/2025 15:55	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/14/2025 10:42	08/14/2025 19:39
25080648-018B	GW-25-WG-20250804	08/04/2025 15:55	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/08/2025 22:14
25080648-019A	GW-26-WG-20250804	08/04/2025 14:15	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/08/2025 10:13	08/09/2025 2:48
25080648-019B	GW-26-WG-20250804	08/04/2025 14:15	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/11/2025 18:09
25080648-020A	EQB-001-WQ-20250804	08/04/2025 11:30	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/08/2025 10:13	08/09/2025 3:27
25080648-020B	EQB-001-WQ-20250804	08/04/2025 11:30	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/11/2025 23:41
25080648-021A	GW-20FF-WG-20250804	08/04/2025 14:50	08/07/2025 11:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/08/2025 10:14	08/08/2025 23:32
25080648-021B	GW-20FF-WG-20250804	08/04/2025 14:50	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/12/2025 5:36
25080648-022A	Trip Blank	08/07/2025 11:00	08/07/2025 11:00		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				08/12/2025 0:05

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243118 **SampType:** MBLK Units **mg/L**

SampID: MBLK-243118

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						08/08/2025
Acenaphthylene		0.000100		**ND**						08/08/2025
Anthracene		0.000300		**ND**						08/08/2025
Benzo(a)anthracene		0.000100		**ND**						08/08/2025
Benzo(a)pyrene		0.000200		**ND**						08/08/2025
Benzo(b)fluoranthene		0.000200		**ND**						08/08/2025
Benzo(g,h,i)perylene		0.000200		**ND**						08/08/2025
Benzo(k)fluoranthene		0.000200		**ND**						08/08/2025
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						08/08/2025
Chrysene		0.000200		**ND**						08/08/2025
Dibenzo(a,h)anthracene		0.000100		**ND**						08/08/2025
Di-n-butyl phthalate		0.0100		**ND**						08/08/2025
Fluoranthene		0.000300		**ND**						08/08/2025
Fluorene		0.000200		**ND**						08/08/2025
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						08/08/2025
m,p-Cresol		0.0100		**ND**						08/08/2025
Naphthalene		0.000400		**ND**						08/08/2025
o-Cresol		0.0100		**ND**						08/08/2025
Phenanthrene		0.000600		**ND**						08/08/2025
Pyrene		0.000200		**ND**						08/08/2025
Surr: 2,4,6-Tribromophenol	*			**0.00201**	0.0020		100.2	47.9	155	08/08/2025
Surr: 2-Fluorobiphenyl	*			**0.000822**	0.0010		82.2	38.8	114	08/08/2025
Surr: 2-Fluorophenol	*			**0.00197**	0.0020		98.5	45.5	121	08/08/2025
Surr: Nitrobenzene-d5	*			**0.000841**	0.0010		84.1	40.8	118	08/08/2025
Surr: Phenol-d5	*			**0.00181**	0.0020		90.6	34.8	106	08/08/2025
Surr: p-Terphenyl-d14	*			**0.000908**	0.0010		90.8	56.7	138	08/08/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243118 **SampType:** LCS Units **mg/L**

SampID: LCS-243118

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00155**	0.0020	0	77.3	43.3	98.6	08/08/2025
Acenaphthylene		0.000100		**0.00152**	0.0020	0	75.8	46.1	98.7	08/08/2025
Anthracene		0.000300		**0.00161**	0.0020	0	80.6	50.3	106	08/08/2025
Benzo(a)anthracene		0.000100		**0.00161**	0.0020	0	80.4	48.5	110	08/08/2025
Benzo(a)pyrene		0.000200		**0.00169**	0.0020	0	84.7	47.5	121	08/08/2025
Benzo(b)fluoranthene		0.000200		**0.00164**	0.0020	0	81.8	54.9	109	08/08/2025
Benzo(g,h,i)perylene		0.000200		**0.00165**	0.0020	0	82.7	52.8	115	08/08/2025
Benzo(k)fluoranthene		0.000200		**0.00170**	0.0020	0	85.2	50.2	120	08/08/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0021**	0.0020	0	103.1	73.5	162	08/08/2025
Chrysene		0.000200		**0.00167**	0.0020	0	83.7	47.2	122	08/08/2025
Dibenzo(a,h)anthracene		0.000100		**0.00178**	0.0020	0	88.9	50.8	126	08/08/2025
Di-n-butyl phthalate		0.0100	J	**0.0018**	0.0020	0	90.2	62.9	145	08/08/2025
Fluoranthene		0.000300		**0.00168**	0.0020	0	84.2	56.3	117	08/08/2025
Fluorene		0.000200		**0.00160**	0.0020	0	80.2	50	105	08/08/2025
Indeno(1,2,3-cd)pyrene		0.000200		**0.00169**	0.0020	0	84.7	51.2	124	08/08/2025
m,p-Cresol		0.0100		**0.0150**	0.0200	0	75.1	41	105	08/08/2025
Naphthalene		0.000400		**0.00150**	0.0020	0	74.8	36.5	98.1	08/08/2025
o-Cresol		0.0100		**0.0154**	0.0200	0	77.2	46.4	104	08/08/2025
Phenanthrene		0.000600		**0.00165**	0.0020	0	82.3	56.4	108	08/08/2025
Pyrene		0.000200		**0.00163**	0.0020	0	81.3	53.1	114	08/08/2025
Surr: 2,4,6-Tribromophenol	*			**0.00263**	0.0020		131.3	47.9	155	08/08/2025
Surr: 2-Fluorobiphenyl	*			**0.000865**	0.0010		86.5	38.8	114	08/08/2025
Surr: 2-Fluorophenol	*			**0.00204**	0.0020		102.0	45.5	121	08/08/2025
Surr: Nitrobenzene-d5	*			**0.000904**	0.0010		90.4	40.8	118	08/08/2025
Surr: Phenol-d5	*			**0.00195**	0.0020		97.3	34.8	106	08/08/2025
Surr: p-Terphenyl-d14	*			**0.000966**	0.0010		96.6	56.7	138	08/08/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243118 **SampType:** LCSD Units **mg/L** RPD Limit **34.5**

SampID: LCSD-243118

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00161**	0.0020	0	80.7	0.001546	4.31	08/08/2025
Acenaphthylene		0.000100		**0.00166**	0.0020	0	82.8	0.001516	8.89	08/08/2025
Anthracene		0.000300		**0.00167**	0.0020	0	83.3	0.001613	3.30	08/08/2025
Benzo(a)anthracene		0.000100		**0.00169**	0.0020	0	84.4	0.001609	4.86	08/08/2025
Benzo(a)pyrene		0.000200		**0.00178**	0.0020	0	89.0	0.001694	4.97	08/08/2025
Benzo(b)fluoranthene		0.000200		**0.00175**	0.0020	0	87.4	0.001636	6.56	08/08/2025
Benzo(g,h,i)perylene		0.000200		**0.00175**	0.0020	0	87.3	0.001654	5.41	08/08/2025
Benzo(k)fluoranthene		0.000200		**0.00180**	0.0020	0	90.2	0.001704	5.65	08/08/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0019**	0.0020	0	95.8	0.002062	0.00	08/08/2025
Chrysene		0.000200		**0.00173**	0.0020	0	86.3	0.001673	3.08	08/08/2025
Dibenzo(a,h)anthracene		0.000100		**0.00192**	0.0020	0	96.1	0.001779	7.71	08/08/2025
Di-n-butyl phthalate		0.0100	J	**0.0018**	0.0020	0	92.5	0.001804	0.00	08/08/2025
Fluoranthene		0.000300		**0.00175**	0.0020	0	87.6	0.001685	3.91	08/08/2025
Fluorene		0.000200		**0.00166**	0.0020	0	83.2	0.001603	3.68	08/08/2025
Indeno(1,2,3-cd)pyrene		0.000200		**0.00179**	0.0020	0	89.6	0.001694	5.61	08/08/2025
m,p-Cresol		0.0100		**0.0156**	0.0200	0	78.2	0.01501	4.11	08/08/2025
Naphthalene		0.000400		**0.00158**	0.0020	0	78.9	0.001495	5.43	08/08/2025
o-Cresol		0.0100		**0.0160**	0.0200	0	80.1	0.01544	3.61	08/08/2025
Phenanthrene		0.000600		**0.00172**	0.0020	0	86.1	0.001646	4.48	08/08/2025
Pyrene		0.000200		**0.00165**	0.0020	0	82.6	0.001626	1.62	08/08/2025
Surr: 2,4,6-Tribromophenol	*			**0.00243**	0.0020		121.6			08/08/2025
Surr: 2-Fluorobiphenyl	*			**0.000858**	0.0010		85.8			08/08/2025
Surr: 2-Fluorophenol	*			**0.00201**	0.0020		100.5			08/08/2025
Surr: Nitrobenzene-d5	*			**0.000884**	0.0010		88.4			08/08/2025
Surr: Phenol-d5	*			**0.00191**	0.0020		95.5			08/08/2025
Surr: p-Terphenyl-d14	*			**0.000901**	0.0010		90.1			08/08/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243146 **SampType:** MBLK Units **mg/L**

SampID: MBLK-243146

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						08/08/2025
Acenaphthylene		0.000100		**ND**						08/08/2025
Anthracene		0.000300		**ND**						08/08/2025
Benzo(a)anthracene		0.000100		**ND**						08/08/2025
Benzo(a)pyrene		0.000200		**ND**						08/08/2025
Benzo(b)fluoranthene		0.000200		**ND**						08/08/2025
Benzo(g,h,i)perylene		0.000200		**ND**						08/08/2025
Benzo(k)fluoranthene		0.000200		**ND**						08/08/2025
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						08/08/2025
Chrysene		0.000200		**ND**						08/08/2025
Dibenzo(a,h)anthracene		0.000100		**ND**						08/08/2025
Di-n-butyl phthalate		0.0100		**ND**						08/08/2025
Fluoranthene		0.000300		**ND**						08/08/2025
Fluorene		0.000200		**ND**						08/08/2025
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						08/08/2025
m,p-Cresol		0.0100		**ND**						08/08/2025
Naphthalene		0.000400		**ND**						08/08/2025
o-Cresol		0.0100		**ND**						08/08/2025
Phenanthrene		0.000600		**ND**						08/08/2025
Pyrene		0.000200		**ND**						08/08/2025
Surr: 2,4,6-Tribromophenol	*			**0.00236**	0.0020		117.8	47.9	155	08/08/2025
Surr: 2-Fluorobiphenyl	*			**0.000916**	0.0010		91.6	38.8	114	08/08/2025
Surr: 2-Fluorophenol	*			**0.00179**	0.0020		89.4	45.5	121	08/08/2025
Surr: Nitrobenzene-d5	*			**0.000838**	0.0010		83.8	40.8	118	08/08/2025
Surr: Phenol-d5	*			**0.00173**	0.0020		86.5	34.8	106	08/08/2025
Surr: p-Terphenyl-d14	*			**0.00109**	0.0010		108.8	56.7	138	08/08/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243146 **SampType:** LCS Units **mg/L**

SampID: LCS-243146

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00136**	0.0020	0	67.8	43.3	98.6	08/08/2025
Acenaphthylene		0.000100		**0.00136**	0.0020	0	67.8	46.1	98.7	08/08/2025
Anthracene		0.000300		**0.00147**	0.0020	0	73.3	50.3	106	08/08/2025
Benzo(a)anthracene		0.000100		**0.00163**	0.0020	0	81.6	48.5	110	08/08/2025
Benzo(a)pyrene		0.000200		**0.00191**	0.0020	0	95.6	47.5	121	08/08/2025
Benzo(b)fluoranthene		0.000200		**0.00209**	0.0020	0	104.3	54.9	109	08/08/2025
Benzo(g,h,i)perylene		0.000200		**0.00177**	0.0020	0	88.5	52.8	115	08/08/2025
Benzo(k)fluoranthene		0.000200		**0.00165**	0.0020	0	82.3	50.2	120	08/08/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0028**	0.0020	0	139.2	73.5	162	08/08/2025
Chrysene		0.000200		**0.00152**	0.0020	0	76.2	47.2	122	08/08/2025
Dibenzo(a,h)anthracene		0.000100		**0.00234**	0.0020	0	117.2	50.8	126	08/08/2025
Di-n-butyl phthalate		0.0100	J	**0.0018**	0.0020	0	92.5	62.9	145	08/08/2025
Fluoranthene		0.000300		**0.00167**	0.0020	0	83.3	56.3	117	08/08/2025
Fluorene		0.000200		**0.00145**	0.0020	0	72.5	50	105	08/08/2025
Indeno(1,2,3-cd)pyrene		0.000200		**0.00215**	0.0020	0	107.5	51.2	124	08/08/2025
m,p-Cresol		0.0100		**0.0148**	0.0200	0	74.0	41	105	08/08/2025
Naphthalene		0.000400		**0.00126**	0.0020	0	62.9	36.5	98.1	08/08/2025
o-Cresol		0.0100		**0.0151**	0.0200	0	75.4	46.4	104	08/08/2025
Phenanthrene		0.000600		**0.00157**	0.0020	0	78.6	56.4	108	08/08/2025
Pyrene		0.000200		**0.00162**	0.0020	0	81.0	53.1	114	08/08/2025
Surr: 2,4,6-Tribromophenol	*			**0.00208**	0.0020		104.2	47.9	155	08/08/2025
Surr: 2-Fluorobiphenyl	*			**0.000837**	0.0010		83.7	38.8	114	08/08/2025
Surr: 2-Fluorophenol	*			**0.00169**	0.0020		84.7	45.5	121	08/08/2025
Surr: Nitrobenzene-d5	*			**0.000766**	0.0010		76.6	40.8	118	08/08/2025
Surr: Phenol-d5	*			**0.00173**	0.0020		86.6	34.8	106	08/08/2025
Surr: p-Terphenyl-d14	*			**0.000945**	0.0010		94.5	56.7	138	08/08/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch **243146** **SampType:** **LCSD** Units **mg/L** RPD Limit **34.5**

SampID: LCSD-243146

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00135**	0.0020	0	67.5	0.001357	0.50	08/08/2025
Acenaphthylene		0.000100		**0.00140**	0.0020	0	69.9	0.001357	3.03	08/08/2025
Anthracene		0.000300		**0.00155**	0.0020	0	77.4	0.001467	5.33	08/08/2025
Benzo(a)anthracene		0.000100		**0.00178**	0.0020	0	89.2	0.001632	8.88	08/08/2025
Benzo(a)pyrene		0.000200		**0.00191**	0.0020	0	95.7	0.001912	0.07	08/08/2025
Benzo(b)fluoranthene		0.000200	S	**0.00225**	0.0020	0	112.3	0.002086	7.36	08/08/2025
Benzo(g,h,i)perylene		0.000200		**0.00189**	0.0020	0	94.5	0.001770	6.52	08/08/2025
Benzo(k)fluoranthene		0.000200		**0.00180**	0.0020	0	90.0	0.001646	8.95	08/08/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0022**	0.0020	0	110.9	0.002784	0.00	08/08/2025
Chrysene		0.000200		**0.00165**	0.0020	0	82.7	0.001523	8.26	08/08/2025
Dibenzo(a,h)anthracene		0.000100	S	**0.00252**	0.0020	0	126.1	0.002344	7.31	08/08/2025
Di-n-butyl phthalate		0.0100	J	**0.0020**	0.0020	0	99.5	0.001850	0.00	08/08/2025
Fluoranthene		0.000300		**0.00183**	0.0020	0	91.4	0.001666	9.26	08/08/2025
Fluorene		0.000200		**0.00150**	0.0020	0	75.2	0.001451	3.65	08/08/2025
Indeno(1,2,3-cd)pyrene		0.000200		**0.00230**	0.0020	0	115.2	0.002150	6.87	08/08/2025
m,p-Cresol		0.0100		**0.0147**	0.0200	0	73.5	0.01481	0.75	08/08/2025
Naphthalene		0.000400		**0.00124**	0.0020	0	62.1	0.001259	1.36	08/08/2025
o-Cresol		0.0100		**0.0152**	0.0200	0	76.0	0.01507	0.78	08/08/2025
Phenanthrene		0.000600		**0.00167**	0.0020	0	83.5	0.001573	5.99	08/08/2025
Pyrene		0.000200		**0.00174**	0.0020	0	87.2	0.001620	7.35	08/08/2025
Surr: 2,4,6-Tribromophenol	*			**0.00223**	0.0020		111.3			08/08/2025
Surr: 2-Fluorobiphenyl	*			**0.000819**	0.0010		81.9			08/08/2025
Surr: 2-Fluorophenol	*			**0.00179**	0.0020		89.6			08/08/2025
Surr: Nitrobenzene-d5	*			**0.000770**	0.0010		77.0			08/08/2025
Surr: Phenol-d5	*			**0.00177**	0.0020		88.7			08/08/2025
Surr: p-Terphenyl-d14	*			**0.00103**	0.0010		102.7			08/08/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243431 **SampType:** mblk Units **mg/L**

SampID: mblk-243431

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						08/14/2025
Acenaphthylene		0.000100		**ND**						08/14/2025
Anthracene		0.000300		**ND**						08/14/2025
Benzo(a)anthracene		0.000100		**ND**						08/14/2025
Benzo(a)pyrene		0.000200		**ND**						08/14/2025
Benzo(b)fluoranthene		0.000200		**ND**						08/14/2025
Benzo(g,h,i)perylene		0.000200		**ND**						08/14/2025
Benzo(k)fluoranthene		0.000200		**ND**						08/14/2025
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						08/14/2025
Chrysene		0.000200		**ND**						08/14/2025
Dibenzo(a,h)anthracene		0.000100		**ND**						08/14/2025
Di-n-butyl phthalate		0.0100		**ND**						08/14/2025
Fluoranthene		0.000300		**ND**						08/14/2025
Fluorene		0.000200		**ND**						08/14/2025
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						08/14/2025
m,p-Cresol		0.0100		**ND**						08/14/2025
Naphthalene		0.000400		**ND**						08/14/2025
o-Cresol		0.0100		**ND**						08/14/2025
Phenanthrene		0.000600		**ND**						08/14/2025
Pyrene		0.000200		**ND**						08/14/2025
Surr: 2,4,6-Tribromophenol	*			**0.00199**	0.0020		99.5	47.9	155	08/14/2025
Surr: 2-Fluorobiphenyl	*			**0.000665**	0.0010		66.5	38.8	114	08/14/2025
Surr: 2-Fluorophenol	*			**0.00163**	0.0020		81.5	45.5	121	08/14/2025
Surr: Nitrobenzene-d5	*			**0.000740**	0.0010		74.0	40.8	118	08/14/2025
Surr: Phenol-d5	*			**0.00141**	0.0020		70.6	34.8	106	08/14/2025
Surr: p-Terphenyl-d14	*			**0.000899**	0.0010		89.9	56.7	138	08/14/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243431 **SampType:** LCS Units **mg/L**

SampID: LCS-243431

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00145**	0.0020	0	72.3	43.3	98.6	08/14/2025
Acenaphthylene		0.000100		**0.00138**	0.0020	0	68.8	46.1	98.7	08/14/2025
Anthracene		0.000300		**0.00147**	0.0020	0	73.5	50.3	106	08/14/2025
Benzo(a)anthracene		0.000100		**0.00148**	0.0020	0	74.1	48.5	110	08/14/2025
Benzo(a)pyrene		0.000200		**0.00154**	0.0020	0	77.1	47.5	121	08/14/2025
Benzo(b)fluoranthene		0.000200		**0.00153**	0.0020	0	76.4	54.9	109	08/14/2025
Benzo(g,h,i)perylene		0.000200		**0.00139**	0.0020	0	69.3	52.8	115	08/14/2025
Benzo(k)fluoranthene		0.000200		**0.00155**	0.0020	0	77.5	50.2	120	08/14/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0017**	0.0020	0	85.1	73.5	162	08/14/2025
Chrysene		0.000200		**0.00148**	0.0020	0	74.2	47.2	122	08/14/2025
Dibenzo(a,h)anthracene		0.000100		**0.00153**	0.0020	0	76.6	50.8	126	08/14/2025
Di-n-butyl phthalate		0.0100	J	**0.0017**	0.0020	0	85.9	62.9	145	08/14/2025
Fluoranthene		0.000300		**0.00148**	0.0020	0	73.8	56.3	117	08/14/2025
Fluorene		0.000200		**0.00148**	0.0020	0	74.1	50	105	08/14/2025
Indeno(1,2,3-cd)pyrene		0.000200		**0.00144**	0.0020	0	71.9	51.2	124	08/14/2025
m,p-Cresol		0.0100		**0.0133**	0.0200	0	66.7	41	105	08/14/2025
Naphthalene		0.000400		**0.00139**	0.0020	0	69.6	36.5	98.1	08/14/2025
o-Cresol		0.0100		**0.0136**	0.0200	0	68.1	46.4	104	08/14/2025
Phenanthrene		0.000600		**0.00150**	0.0020	0	75.1	56.4	108	08/14/2025
Pyrene		0.000200		**0.00145**	0.0020	0	72.3	53.1	114	08/14/2025
Surr: 2,4,6-Tribromophenol	*			**0.00184**	0.0020		91.9	47.9	155	08/14/2025
Surr: 2-Fluorobiphenyl	*			**0.000717**	0.0010		71.7	38.8	114	08/14/2025
Surr: 2-Fluorophenol	*			**0.00168**	0.0020		84.0	45.5	121	08/14/2025
Surr: Nitrobenzene-d5	*			**0.000764**	0.0010		76.4	40.8	118	08/14/2025
Surr: Phenol-d5	*			**0.00156**	0.0020		78.2	34.8	106	08/14/2025
Surr: p-Terphenyl-d14	*			**0.000737**	0.0010		73.7	56.7	138	08/14/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243431 **SampType:** LCSD Units **mg/L** RPD Limit **34.5**

SampID: LCSD-243431

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00149**	0.0020	0	74.7	0.001446	3.34	08/14/2025
Acenaphthylene		0.000100		**0.00159**	0.0020	0	79.4	0.001376	14.26	08/14/2025
Anthracene		0.000300		**0.00157**	0.0020	0	78.4	0.001469	6.49	08/14/2025
Benzo(a)anthracene		0.000100		**0.00154**	0.0020	0	77.1	0.001482	4.00	08/14/2025
Benzo(a)pyrene		0.000200		**0.00163**	0.0020	0	81.5	0.001543	5.45	08/14/2025
Benzo(b)fluoranthene		0.000200		**0.00163**	0.0020	0	81.3	0.001529	6.12	08/14/2025
Benzo(g,h,i)perylene		0.000200		**0.00142**	0.0020	0	70.8	0.001387	2.14	08/14/2025
Benzo(k)fluoranthene		0.000200		**0.00163**	0.0020	0	81.3	0.001550	4.77	08/14/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0019**	0.0020	0	95.2	0.001702	0.00	08/14/2025
Chrysene		0.000200		**0.00155**	0.0020	0	77.5	0.001485	4.36	08/14/2025
Dibenzo(a,h)anthracene		0.000100		**0.00162**	0.0020	0	80.8	0.001531	5.31	08/14/2025
Di-n-butyl phthalate		0.0100	J	**0.0018**	0.0020	0	90.4	0.001718	0.00	08/14/2025
Fluoranthene		0.000300		**0.00160**	0.0020	0	79.9	0.001476	7.87	08/14/2025
Fluorene		0.000200		**0.00156**	0.0020	0	78.0	0.001482	5.17	08/14/2025
Indeno(1,2,3-cd)pyrene		0.000200		**0.00150**	0.0020	0	74.8	0.001438	3.97	08/14/2025
m,p-Cresol		0.0100		**0.0141**	0.0200	0	70.6	0.01334	5.72	08/14/2025
Naphthalene		0.000400		**0.00144**	0.0020	0	71.8	0.001392	3.08	08/14/2025
o-Cresol		0.0100		**0.0145**	0.0200	0	72.5	0.01362	6.27	08/14/2025
Phenanthrene		0.000600		**0.00158**	0.0020	0	79.1	0.001502	5.16	08/14/2025
Pyrene		0.000200		**0.00154**	0.0020	0	77.2	0.001447	6.54	08/14/2025
Surr: 2,4,6-Tribromophenol	*			**0.00205**	0.0020		102.3			08/14/2025
Surr: 2-Fluorobiphenyl	*			**0.000776**	0.0010		77.6			08/14/2025
Surr: 2-Fluorophenol	*			**0.00181**	0.0020		90.4			08/14/2025
Surr: Nitrobenzene-d5	*			**0.000822**	0.0010		82.2			08/14/2025
Surr: Phenol-d5	*			**0.00169**	0.0020		84.4			08/14/2025
Surr: p-Terphenyl-d14	*			**0.000809**	0.0010		80.9			08/14/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243176 **SampType:** MBLK Units µg/L

SampID: MBLK-AM250808A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						08/08/2025
Bromoform		2.0		**ND**						08/08/2025
Ethylbenzene		2.0		**ND**						08/08/2025
m,p-Xylenes		2.0		**ND**						08/08/2025
Methylene chloride		2.0		**ND**						08/08/2025
Naphthalene		5.0		**ND**						08/08/2025
o-Xylene		2.0		**ND**						08/08/2025
Toluene		2.0	J	**0.1**						08/08/2025
trans-1,2-Dichloroethene		2.0		**ND**						08/08/2025
Xylenes, Total		4.0		**ND**						08/08/2025
Surr: 1,2-Dichloroethane-d4	*			**51.9**	50.00		103.8	80	120	08/08/2025
Surr: 4-Bromofluorobenzene	*			**52.1**	50.00		104.3	80	120	08/08/2025
Surr: Dibromofluoromethane	*			**48.6**	50.00		97.2	80	120	08/08/2025
Surr: Toluene-d8	*			**51.5**	50.00		103.1	80	120	08/08/2025

Batch 243176 **SampType:** LCS Units µg/L

SampID: LCS-AM250808A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**50.5**	50.00	0	101.0	86.3	117	08/08/2025
Bromoform		2.0		**51.5**	50.00	0	103.1	81.9	121	08/08/2025
Ethylbenzene		2.0		**53.5**	50.00	0	107.1	84.1	115	08/08/2025
m,p-Xylenes		2.0		**106**	100.0	0	106.1	83.7	116	08/08/2025
Methylene chloride		2.0		**54.0**	50.00	0	108.0	78	118	08/08/2025
Naphthalene		5.0		**53.6**	50.00	0	107.2	69.3	128	08/08/2025
o-Xylene		2.0		**52.6**	50.00	0	105.3	83.1	114	08/08/2025
Toluene		2.0	B	**51.5**	50.00	0	103.0	84.4	115	08/08/2025
trans-1,2-Dichloroethene		2.0		**49.3**	50.00	0	98.7	82.2	117	08/08/2025
Xylenes, Total		4.0		**159**	150.0	0	105.8	83.7	115	08/08/2025
Surr: 1,2-Dichloroethane-d4	*			**50.0**	50.00		100.0	80	120	08/08/2025
Surr: 4-Bromofluorobenzene	*			**51.2**	50.00		102.4	80	120	08/08/2025
Surr: Dibromofluoromethane	*			**49.9**	50.00		99.9	80	120	08/08/2025
Surr: Toluene-d8	*			**51.6**	50.00		103.2	80	120	08/08/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243176 **SampType:** LCSD Units µg/L RPD Limit 20

SampID: LCSD-AM250808A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**51.6**	50.00	0	103.1	50.52	2.04	08/08/2025
Bromoform		2.0		**51.1**	50.00	0	102.3	51.54	0.78	08/08/2025
Ethylbenzene		2.0		**54.6**	50.00	0	109.3	53.54	2.02	08/08/2025
m,p-Xylenes		2.0		**108**	100.0	0	108.4	106.1	2.21	08/08/2025
Methylene chloride		2.0		**56.4**	50.00	0	112.8	54.01	4.35	08/08/2025
Naphthalene		5.0		**54.4**	50.00	0	108.8	53.58	1.48	08/08/2025
o-Xylene		2.0		**54.1**	50.00	0	108.1	52.65	2.64	08/08/2025
Toluene		2.0	B	**52.5**	50.00	0	105.0	51.51	1.90	08/08/2025
trans-1,2-Dichloroethene		2.0		**51.1**	50.00	0	102.2	49.34	3.52	08/08/2025
Xylenes, Total		4.0		**162**	150.0	0	108.3	158.7	2.35	08/08/2025
Surr: 1,2-Dichloroethane-d4	*			**50.8**	50.00		101.5			08/08/2025
Surr: 4-Bromofluorobenzene	*			**52.7**	50.00		105.5			08/08/2025
Surr: Dibromofluoromethane	*			**49.4**	50.00		98.7			08/08/2025
Surr: Toluene-d8	*			**52.4**	50.00		104.7			08/08/2025

Batch 243176 **SampType:** LCS Units µg/L

SampID: QCS-AM250808A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**50.5**	50.00	0	101.0	65	135	08/08/2025
Bromoform		2.0		**51.5**	50.00	0	103.1	70	130	08/08/2025
Ethylbenzene		2.0		**53.5**	50.00	0	107.1	60	140	08/08/2025
m,p-Xylenes		2.0		**106**	100.0	0	106.1	60	140	08/08/2025
Methylene chloride		2.0		**54.0**	50.00	0	108.0	60	140	08/08/2025
Naphthalene		5.0		**53.6**	50.00	0	107.2	60	140	08/08/2025
o-Xylene	*	2.0		**52.6**	50.00	0	105.3	60	140	08/08/2025
Toluene		2.0	B	**51.5**	50.00	0	103.0	70	130	08/08/2025
trans-1,2-Dichloroethene		2.0		**49.3**	50.00	0	98.7	70	130	08/08/2025
Xylenes, Total		4.0		**159**	150.0	0	105.8	60	140	08/08/2025
Surr: 1,2-Dichloroethane-d4	*			**50.0**	50.00		100.0	80	120	08/08/2025
Surr: 4-Bromofluorobenzene	*			**51.2**	50.00		102.4	80	120	08/08/2025
Surr: Dibromofluoromethane	*			**49.9**	50.00		99.9	80	120	08/08/2025
Surr: Toluene-d8	*			**51.6**	50.00		103.2	80	120	08/08/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243176 **SampType:** LCSD Units µg/L RPD Limit 40

SampID: QCSD-AM250808A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**51.6**	50.00	0	103.1	50.52	2.04	08/08/2025
Bromoform		2.0		**51.1**	50.00	0	102.3	51.54	0.78	08/08/2025
Ethylbenzene		2.0		**54.6**	50.00	0	109.3	53.54	2.02	08/08/2025
m,p-Xylenes		2.0		**108**	100.0	0	108.4	106.1	2.21	08/08/2025
Methylene chloride		2.0		**56.4**	50.00	0	112.8	54.01	4.35	08/08/2025
Naphthalene		5.0		**54.4**	50.00	0	108.8	53.58	1.48	08/08/2025
o-Xylene	*	2.0		**54.1**	50.00	0	108.1	52.65	2.64	08/08/2025
Toluene		2.0	B	**52.5**	50.00	0	105.0	51.51	1.90	08/08/2025
trans-1,2-Dichloroethene		2.0		**51.1**	50.00	0	102.2	49.34	3.52	08/08/2025
Xylenes, Total		4.0		**162**	150.0	0	108.3	158.7	2.35	08/08/2025
Surr: 1,2-Dichloroethane-d4	*			**50.8**	50.00		101.5			08/08/2025
Surr: 4-Bromofluorobenzene	*			**52.7**	50.00		105.5			08/08/2025
Surr: Dibromofluoromethane	*			**49.4**	50.00		98.7			08/08/2025
Surr: Toluene-d8	*			**52.4**	50.00		104.7			08/08/2025

Batch 243176 **SampType:** MS Units µg/L

SampID: 25080648-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.50		**51.2**	50.00	0	102.3	74.8	118	08/08/2025
Ethylbenzene		1.00		**55.5**	50.00	0	111.0	73.3	122	08/08/2025
m,p-Xylenes		1.00		**59.4**	50.00	0	118.8	74.4	135	08/08/2025
o-Xylene		1.00		**56.5**	50.00	0	112.9	74.5	125	08/08/2025
Toluene		2.00	B	**54.3**	50.00	0	108.7	75.1	116	08/08/2025
Xylenes, Total		2.00		**116**	100.0	0	115.9	73.6	131	08/08/2025
Surr: 1,2-Dichloroethane-d4	*			**50.6**	50.00		101.2	80	120	08/08/2025
Surr: 4-Bromofluorobenzene	*			**51.0**	50.00		102.0	80	120	08/08/2025
Surr: Dibromofluoromethane	*			**49.6**	50.00		99.1	80	120	08/08/2025
Surr: Toluene-d8	*			**51.2**	50.00		102.4	80	120	08/08/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243176 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 25080648-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.50		**50.3**	50.00	0	100.7	51.16	1.64	08/08/2025
Ethylbenzene		1.00		**54.7**	50.00	0	109.4	55.49	1.43	08/08/2025
m,p-Xylenes		1.00		**58.0**	50.00	0	116.0	59.40	2.40	08/08/2025
o-Xylene		1.00		**55.4**	50.00	0	110.8	56.47	1.88	08/08/2025
Toluene		2.00	B	**53.0**	50.00	0	106.0	54.33	2.52	08/08/2025
Xylenes, Total		2.00		**113**	100.0	0	113.4	115.9	2.15	08/08/2025
Surr: 1,2-Dichloroethane-d4	*			**52.3**	50.00		104.5			08/08/2025
Surr: 4-Bromofluorobenzene	*			**52.1**	50.00		104.1			08/08/2025
Surr: Dibromofluoromethane	*			**49.1**	50.00		98.2			08/08/2025
Surr: Toluene-d8	*			**51.1**	50.00		102.2			08/08/2025

Batch 243225 **SampType:** MBLK Units µg/L

SampID: MBLK-AK250811A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						08/11/2025
Bromoform		2.0		**ND**						08/11/2025
Ethylbenzene		2.0		**ND**						08/11/2025
m,p-Xylenes		2.0		**ND**						08/11/2025
Methylene chloride		2.0		**ND**						08/11/2025
Naphthalene		5.0		**ND**						08/11/2025
o-Xylene		2.0		**ND**						08/11/2025
Toluene		2.0		**ND**						08/11/2025
trans-1,2-Dichloroethene		2.0		**ND**						08/11/2025
Xylenes, Total		4.0		**ND**						08/11/2025
Surr: 1,2-Dichloroethane-d4	*			**47.7**	50.00		95.4	80	120	08/11/2025
Surr: 4-Bromofluorobenzene	*			**48.6**	50.00		97.2	80	120	08/11/2025
Surr: Dibromofluoromethane	*			**49.5**	50.00		99.1	80	120	08/11/2025
Surr: Toluene-d8	*			**49.3**	50.00		98.6	80	120	08/11/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243225 **SampType:** LCS Units µg/L

SampID: LCS-AK250811A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**49.6**	50.00	0	99.2	86.3	117	08/11/2025
Bromoform		2.0		**55.4**	50.00	0	110.7	81.9	121	08/11/2025
Ethylbenzene		2.0		**50.9**	50.00	0	101.8	84.1	115	08/11/2025
m,p-Xylenes		2.0		**101**	100.0	0	101.2	83.7	116	08/11/2025
Methylene chloride		2.0		**48.8**	50.00	0	97.7	78	118	08/11/2025
Naphthalene		5.0		**46.5**	50.00	0	93.1	69.3	128	08/11/2025
o-Xylene		2.0		**49.4**	50.00	0	98.8	83.1	114	08/11/2025
Toluene		2.0		**49.0**	50.00	0	98.1	84.4	115	08/11/2025
trans-1,2-Dichloroethene		2.0		**50.9**	50.00	0	101.7	82.2	117	08/11/2025
Xylenes, Total		4.0		**151**	150.0	0	100.4	83.7	115	08/11/2025
Surr: 1,2-Dichloroethane-d4	*			**46.6**	50.00		93.3	80	120	08/11/2025
Surr: 4-Bromofluorobenzene	*			**48.8**	50.00		97.7	80	120	08/11/2025
Surr: Dibromofluoromethane	*			**49.3**	50.00		98.5	80	120	08/11/2025
Surr: Toluene-d8	*			**49.2**	50.00		98.5	80	120	08/11/2025

Batch 243225 **SampType:** LCSD Units µg/L RPD Limit **20**

SampID: LCSD-AK250811A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**48.9**	50.00	0	97.9	49.59	1.32	08/11/2025
Bromoform		2.0		**54.7**	50.00	0	109.3	55.37	1.29	08/11/2025
Ethylbenzene		2.0		**50.0**	50.00	0	100.0	50.90	1.76	08/11/2025
m,p-Xylenes		2.0		**99.6**	100.0	0	99.6	101.2	1.53	08/11/2025
Methylene chloride		2.0		**48.3**	50.00	0	96.7	48.83	1.03	08/11/2025
Naphthalene		5.0		**46.8**	50.00	0	93.7	46.53	0.64	08/11/2025
o-Xylene		2.0		**48.8**	50.00	0	97.6	49.40	1.18	08/11/2025
Toluene		2.0		**48.3**	50.00	0	96.6	49.04	1.48	08/11/2025
trans-1,2-Dichloroethene		2.0		**50.0**	50.00	0	100.1	50.86	1.63	08/11/2025
Xylenes, Total		4.0		**148**	150.0	0	99.0	150.6	1.42	08/11/2025
Surr: 1,2-Dichloroethane-d4	*			**46.9**	50.00		93.8			08/11/2025
Surr: 4-Bromofluorobenzene	*			**49.6**	50.00		99.3			08/11/2025
Surr: Dibromofluoromethane	*			**49.1**	50.00		98.2			08/11/2025
Surr: Toluene-d8	*			**49.1**	50.00		98.2			08/11/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243225 **SampType:** LCS Units µg/L

SampID: QCS-AK250811A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**49.6**	50.00	0	99.2	65	135	08/11/2025
Bromoform		2.0		**55.4**	50.00	0	110.7	70	130	08/11/2025
Ethylbenzene		2.0		**50.9**	50.00	0	101.8	60	140	08/11/2025
m,p-Xylenes		2.0		**101**	100.0	0	101.2	60	140	08/11/2025
Methylene chloride		2.0		**48.8**	50.00	0	97.7	60	140	08/11/2025
Naphthalene		5.0		**46.5**	50.00	0	93.1	60	140	08/11/2025
o-Xylene	*	2.0		**49.4**	50.00	0	98.8	60	140	08/11/2025
Toluene		2.0		**49.0**	50.00	0	98.1	70	130	08/11/2025
trans-1,2-Dichloroethene		2.0		**50.9**	50.00	0	101.7	70	130	08/11/2025
Xylenes, Total		4.0		**151**	150.0	0	100.4	60	140	08/11/2025
Surr: 1,2-Dichloroethane-d4	*			**46.6**	50.00		93.3	80	120	08/11/2025
Surr: 4-Bromofluorobenzene	*			**48.8**	50.00		97.7	80	120	08/11/2025
Surr: Dibromofluoromethane	*			**49.3**	50.00		98.5	80	120	08/11/2025
Surr: Toluene-d8	*			**49.2**	50.00		98.5	80	120	08/11/2025

Batch 243225 **SampType:** LCSD Units µg/L RPD Limit **40**

SampID: QCSD-AK250811A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**48.9**	50.00	0	97.9	49.59	1.32	08/11/2025
Bromoform		2.0		**54.7**	50.00	0	109.3	55.37	1.29	08/11/2025
Ethylbenzene		2.0		**50.0**	50.00	0	100.0	50.90	1.76	08/11/2025
m,p-Xylenes		2.0		**99.6**	100.0	0	99.6	101.2	1.53	08/11/2025
Methylene chloride		2.0		**48.3**	50.00	0	96.7	48.83	1.03	08/11/2025
Naphthalene		5.0		**46.8**	50.00	0	93.7	46.53	0.64	08/11/2025
o-Xylene	*	2.0		**48.8**	50.00	0	97.6	49.40	1.18	08/11/2025
Toluene		2.0		**48.3**	50.00	0	96.6	49.04	1.48	08/11/2025
trans-1,2-Dichloroethene		2.0		**50.0**	50.00	0	100.1	50.86	1.63	08/11/2025
Xylenes, Total		4.0		**148**	150.0	0	99.0	150.6	1.42	08/11/2025
Surr: 1,2-Dichloroethane-d4	*			**46.9**	50.00		93.8			08/11/2025
Surr: 4-Bromofluorobenzene	*			**49.6**	50.00		99.3			08/11/2025
Surr: Dibromofluoromethane	*			**49.1**	50.00		98.2			08/11/2025
Surr: Toluene-d8	*			**49.1**	50.00		98.2			08/11/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243269 **SampType:** MBLK Units µg/L

SampID: MBLK-AK250811A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						08/11/2025
Bromoform		2.0		**ND**						08/11/2025
Ethylbenzene		2.0		**ND**						08/11/2025
m,p-Xylenes		2.0		**ND**						08/11/2025
Methylene chloride		2.0		**ND**						08/11/2025
Naphthalene		5.0		**ND**						08/11/2025
o-Xylene		2.0		**ND**						08/11/2025
Toluene		2.0		**ND**						08/11/2025
trans-1,2-Dichloroethene		2.0		**ND**						08/11/2025
Xylenes, Total		4.0		**ND**						08/11/2025
Surr: 1,2-Dichloroethane-d4	*			**48.1**	50.00		96.2	80	120	08/11/2025
Surr: 4-Bromofluorobenzene	*			**49.4**	50.00		98.9	80	120	08/11/2025
Surr: Dibromofluoromethane	*			**49.4**	50.00		98.7	80	120	08/11/2025
Surr: Toluene-d8	*			**48.9**	50.00		97.9	80	120	08/11/2025

Batch 243269 **SampType:** LCS Units µg/L

SampID: LCS-AK250811A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**50.0**	50.00	0	100.0	86.3	117	08/11/2025
Bromoform		2.0		**55.3**	50.00	0	110.7	81.9	121	08/11/2025
Ethylbenzene		2.0		**51.6**	50.00	0	103.1	84.1	115	08/11/2025
m,p-Xylenes		2.0		**103**	100.0	0	102.6	83.7	116	08/11/2025
Methylene chloride		2.0		**50.0**	50.00	0	100.0	78	118	08/11/2025
Naphthalene		5.0		**49.2**	50.00	0	98.4	69.3	128	08/11/2025
o-Xylene		2.0		**50.6**	50.00	0	101.2	83.1	114	08/11/2025
Toluene		2.0		**49.7**	50.00	0	99.4	84.4	115	08/11/2025
trans-1,2-Dichloroethene		2.0		**50.8**	50.00	0	101.7	82.2	117	08/11/2025
Xylenes, Total		4.0		**153**	150.0	0	102.1	83.7	115	08/11/2025
Surr: 1,2-Dichloroethane-d4	*			**47.0**	50.00		94.0	80	120	08/11/2025
Surr: 4-Bromofluorobenzene	*			**49.9**	50.00		99.8	80	120	08/11/2025
Surr: Dibromofluoromethane	*			**49.9**	50.00		99.7	80	120	08/11/2025
Surr: Toluene-d8	*			**49.3**	50.00		98.7	80	120	08/11/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243269 **SampType:** LCSD Units µg/L RPD Limit 20

SampID: LCSD-AK250811A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**51.0**	50.00	0	102.1	50.01	2.02	08/11/2025
Bromoform		2.0		**56.9**	50.00	0	113.7	55.34	2.73	08/11/2025
Ethylbenzene		2.0		**53.0**	50.00	0	106.0	51.56	2.79	08/11/2025
m,p-Xylenes		2.0		**105**	100.0	0	104.8	102.6	2.09	08/11/2025
Methylene chloride		2.0		**50.9**	50.00	0	101.7	50.01	1.69	08/11/2025
Naphthalene		5.0		**50.6**	50.00	0	101.2	49.21	2.81	08/11/2025
o-Xylene		2.0		**51.6**	50.00	0	103.2	50.59	2.00	08/11/2025
Toluene		2.0		**51.0**	50.00	0	101.9	49.70	2.48	08/11/2025
trans-1,2-Dichloroethene		2.0		**51.9**	50.00	0	103.8	50.84	2.04	08/11/2025
Xylenes, Total		4.0		**156**	150.0	0	104.3	153.2	2.06	08/11/2025
Surr: 1,2-Dichloroethane-d4	*			**46.9**	50.00		93.9			08/11/2025
Surr: 4-Bromofluorobenzene	*			**50.3**	50.00		100.6			08/11/2025
Surr: Dibromofluoromethane	*			**49.4**	50.00		98.7			08/11/2025
Surr: Toluene-d8	*			**49.8**	50.00		99.6			08/11/2025

Batch 243269 **SampType:** LCS Units µg/L

SampID: QCS-AK250811A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**50.0**	50.00	0	100.0	65	135	08/11/2025
Bromoform		2.0		**55.3**	50.00	0	110.7	70	130	08/11/2025
Ethylbenzene		2.0		**51.6**	50.00	0	103.1	60	140	08/11/2025
m,p-Xylenes		2.0		**103**	100.0	0	102.6	60	140	08/11/2025
Methylene chloride		2.0		**50.0**	50.00	0	100.0	60	140	08/11/2025
Naphthalene		5.0		**49.2**	50.00	0	98.4	60	140	08/11/2025
o-Xylene	*	2.0		**50.6**	50.00	0	101.2	60	140	08/11/2025
Toluene		2.0		**49.7**	50.00	0	99.4	70	130	08/11/2025
trans-1,2-Dichloroethene		2.0		**50.8**	50.00	0	101.7	70	130	08/11/2025
Xylenes, Total		4.0		**153**	150.0	0	102.1	60	140	08/11/2025
Surr: 1,2-Dichloroethane-d4	*			**47.0**	50.00		94.0	80	120	08/11/2025
Surr: 4-Bromofluorobenzene	*			**49.9**	50.00		99.8	80	120	08/11/2025
Surr: Dibromofluoromethane	*			**49.9**	50.00		99.7	80	120	08/11/2025
Surr: Toluene-d8	*			**49.3**	50.00		98.7	80	120	08/11/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243269 **SampType:** LCSD Units µg/L RPD Limit 40

SampID: QCSD-AK250811A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**51.0**	50.00	0	102.1	50.01	2.02	08/11/2025
Bromoform		2.0		**56.9**	50.00	0	113.7	55.34	2.73	08/11/2025
Ethylbenzene		2.0		**53.0**	50.00	0	106.0	51.56	2.79	08/11/2025
m,p-Xylenes		2.0		**105**	100.0	0	104.8	102.6	2.09	08/11/2025
Methylene chloride		2.0		**50.9**	50.00	0	101.7	50.01	1.69	08/11/2025
Naphthalene		5.0		**50.6**	50.00	0	101.2	49.21	2.81	08/11/2025
o-Xylene	*	2.0		**51.6**	50.00	0	103.2	50.59	2.00	08/11/2025
Toluene		2.0		**51.0**	50.00	0	101.9	49.70	2.48	08/11/2025
trans-1,2-Dichloroethene		2.0		**51.9**	50.00	0	103.8	50.84	2.04	08/11/2025
Xylenes, Total		4.0		**156**	150.0	0	104.3	153.2	2.06	08/11/2025
Surr: 1,2-Dichloroethane-d4	*			**46.9**	50.00		93.9			08/11/2025
Surr: 4-Bromofluorobenzene	*			**50.3**	50.00		100.6			08/11/2025
Surr: Dibromofluoromethane	*			**49.4**	50.00		98.7			08/11/2025
Surr: Toluene-d8	*			**49.8**	50.00		99.6			08/11/2025

Batch 243300 **SampType:** MBLK Units µg/L

SampID: MBLK-AK250812A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						08/12/2025
Bromoform		2.0		**ND**						08/12/2025
Ethylbenzene		2.0		**ND**						08/12/2025
m,p-Xylenes		2.0		**ND**						08/12/2025
Methylene chloride		2.0		**ND**						08/12/2025
Naphthalene		5.0		**ND**						08/12/2025
o-Xylene		2.0		**ND**						08/12/2025
Toluene		2.0		**ND**						08/12/2025
trans-1,2-Dichloroethene		2.0		**ND**						08/12/2025
Xylenes, Total		4.0		**ND**						08/12/2025
Surr: 1,2-Dichloroethane-d4	*			**48.2**	50.00		96.3	80	120	08/12/2025
Surr: 4-Bromofluorobenzene	*			**49.2**	50.00		98.5	80	120	08/12/2025
Surr: Dibromofluoromethane	*			**49.6**	50.00		99.2	80	120	08/12/2025
Surr: Toluene-d8	*			**49.5**	50.00		99.0	80	120	08/12/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243300 **SampType:** LCS Units µg/L

SampID: LCS-AK250812A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**51.6**	50.00	0	103.1	86.3	117	08/12/2025
Bromoform		2.0		**56.1**	50.00	0	112.2	81.9	121	08/12/2025
Ethylbenzene		2.0		**53.0**	50.00	0	105.9	84.1	115	08/12/2025
m,p-Xylenes		2.0		**105**	100.0	0	105.4	83.7	116	08/12/2025
Methylene chloride		2.0		**51.6**	50.00	0	103.2	78	118	08/12/2025
Naphthalene		5.0		**49.8**	50.00	0	99.6	69.3	128	08/12/2025
o-Xylene		2.0		**51.7**	50.00	0	103.3	83.1	114	08/12/2025
Toluene		2.0		**51.3**	50.00	0	102.5	84.4	115	08/12/2025
trans-1,2-Dichloroethene		2.0		**52.8**	50.00	0	105.6	82.2	117	08/12/2025
Xylenes, Total		4.0		**157**	150.0	0	104.7	83.7	115	08/12/2025
Surr: 1,2-Dichloroethane-d4	*			**47.1**	50.00		94.3	80	120	08/12/2025
Surr: 4-Bromofluorobenzene	*			**49.4**	50.00		98.7	80	120	08/12/2025
Surr: Dibromofluoromethane	*			**49.2**	50.00		98.4	80	120	08/12/2025
Surr: Toluene-d8	*			**49.3**	50.00		98.6	80	120	08/12/2025

Batch 243300 **SampType:** LCSD Units µg/L RPD Limit **20**

SampID: LCSD-AK250812A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**49.5**	50.00	0	99.0	51.57	4.08	08/12/2025
Bromoform		2.0		**55.2**	50.00	0	110.4	56.08	1.60	08/12/2025
Ethylbenzene		2.0		**51.3**	50.00	0	102.6	52.97	3.22	08/12/2025
m,p-Xylenes		2.0		**101**	100.0	0	101.4	105.4	3.81	08/12/2025
Methylene chloride		2.0		**49.8**	50.00	0	99.7	51.61	3.47	08/12/2025
Naphthalene		5.0		**48.4**	50.00	0	96.8	49.78	2.79	08/12/2025
o-Xylene		2.0		**50.0**	50.00	0	100.0	51.67	3.33	08/12/2025
Toluene		2.0		**49.6**	50.00	0	99.1	51.26	3.37	08/12/2025
trans-1,2-Dichloroethene		2.0		**50.4**	50.00	0	100.8	52.82	4.65	08/12/2025
Xylenes, Total		4.0		**151**	150.0	0	100.9	157.0	3.65	08/12/2025
Surr: 1,2-Dichloroethane-d4	*			**46.8**	50.00		93.7			08/12/2025
Surr: 4-Bromofluorobenzene	*			**49.8**	50.00		99.6			08/12/2025
Surr: Dibromofluoromethane	*			**49.2**	50.00		98.4			08/12/2025
Surr: Toluene-d8	*			**49.6**	50.00		99.3			08/12/2025

Client: ERM **Work Order:** 25080648

Client Project: Ameren Taylorville 3rd Qtr 2025 **Report Date:** 27-Aug-25

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

Batch 243300 **SampType:** LCS Units µg/L

SampID: QCS-AK250812A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**51.6**	50.00	0	103.1	65	135	08/12/2025
Bromoform		2.0		**56.1**	50.00	0	112.2	70	130	08/12/2025
Ethylbenzene		2.0		**53.0**	50.00	0	105.9	60	140	08/12/2025
m,p-Xylenes		2.0		**105**	100.0	0	105.4	60	140	08/12/2025
Methylene chloride		2.0		**51.6**	50.00	0	103.2	60	140	08/12/2025
Naphthalene		5.0		**49.8**	50.00	0	99.6	60	140	08/12/2025
o-Xylene	*	2.0		**51.7**	50.00	0	103.3	60	140	08/12/2025
Toluene		2.0		**51.3**	50.00	0	102.5	70	130	08/12/2025
trans-1,2-Dichloroethene		2.0		**52.8**	50.00	0	105.6	70	130	08/12/2025
Xylenes, Total		4.0		**157**	150.0	0	104.7	60	140	08/12/2025
Surr: 1,2-Dichloroethane-d4	*			**47.1**	50.00		94.3	80	120	08/12/2025
Surr: 4-Bromofluorobenzene	*			**49.4**	50.00		98.7	80	120	08/12/2025
Surr: Dibromofluoromethane	*			**49.2**	50.00		98.4	80	120	08/12/2025
Surr: Toluene-d8	*			**49.3**	50.00		98.6	80	120	08/12/2025

Batch 243300 **SampType:** LCSD Units µg/L RPD Limit **40**

SampID: QCSD-AK250812A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**49.5**	50.00	0	99.0	51.57	4.08	08/12/2025
Bromoform		2.0		**55.2**	50.00	0	110.4	56.08	1.60	08/12/2025
Ethylbenzene		2.0		**51.3**	50.00	0	102.6	52.97	3.22	08/12/2025
m,p-Xylenes		2.0		**101**	100.0	0	101.4	105.4	3.81	08/12/2025
Methylene chloride		2.0		**49.8**	50.00	0	99.7	51.61	3.47	08/12/2025
Naphthalene		5.0		**48.4**	50.00	0	96.8	49.78	2.79	08/12/2025
o-Xylene	*	2.0		**50.0**	50.00	0	100.0	51.67	3.33	08/12/2025
Toluene		2.0		**49.6**	50.00	0	99.1	51.26	3.37	08/12/2025
trans-1,2-Dichloroethene		2.0		**50.4**	50.00	0	100.8	52.82	4.65	08/12/2025
Xylenes, Total		4.0		**151**	150.0	0	100.9	157.0	3.65	08/12/2025
Surr: 1,2-Dichloroethane-d4	*			**46.8**	50.00		93.7			08/12/2025
Surr: 4-Bromofluorobenzene	*			**49.8**	50.00		99.6			08/12/2025
Surr: Dibromofluoromethane	*			**49.2**	50.00		98.4			08/12/2025
Surr: Toluene-d8	*			**49.6**	50.00		99.3			08/12/2025

Receiving Check List

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren Taylorville 3rd Qtr 2025

Work Order: 25080648

Report Date: 27-Aug-25

Carrier: Employee

Received By: EK

Completed by: Mary E Kemp
On: 07-Aug-25

Reviewed by: Ellie Hopkins
On: 07-Aug-25

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 the volatile vials for GW-19S. - MaryKemp - 8/7/2025 1:31:26 PM

Trip Blank collection date and time will be reported as the received date and time (end of trip). Trip Blank vials were prepared in the lab after arrival per client instructions. Trip Blank sample was added to the chain of custody. - MaryKemp - 8/7/2025 1:31:54 PM

Drop off Location
☐ Downers Grove, IL ☐ Lenexa, KS
☐ Springfield, IL ☒ Collinsville, IL

CHAIN OF CUSTODY

pg. 1 of 3 Work order # 25080648

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 EDD @erm.com — **Fax:**

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 5.7 °C LTG# 10

Preserved in: ☐ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes: HS present 1/2 GW-05, GW-14, GW-18S, GW-18D GW-19D, GW-25, 2/2 GW-19S * Trip Blank made in lab after arrival MEK 8/7/25 JD 8/7/25

Client Comments Report QC LVL: 4

GW-04R, DUP-002 (GW-04R Duplicate) to be extracted/analyzed LAST

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

Are these samples known to be hazardous? If yes, include details of the hazard. ☐ Yes ☒ No

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

Project Name/Number	**Sample Collector's Name**
Ameren Taylorville 3rd Qtr 2025	BreanaHouska

Results Requested (call for PFAS TAT and surcharges)
☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Date ____ ☐ 3 Day (50% Surcharge)

Billing/PO#

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HCl	MATRIX: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: PAHs	VOCs
25080648-001	GW-04R-202508**07**	8/7/25; 0830	1	2		X		X	X
002	GW-05-WG-202508**04**	8/4/25; 1315	1	2		X		X	X
003	GW-07-WG-202508**06**	8/6/25; 1130	1	2		X		X	X
004	GW-14-WG-202508**06**	8/6/25; 0900	1	2		X		X	X
005	GW-15-WG-202508**06**	8/6/25; 1630	1	2		X		X	X
006	GW-16S-WG-202508**05**	8/5/25; 1515	1	2		X		X	X
007	GW-16D-WG-202508**05**	8/5/25; 1435	1	2		X		X	X
008	GW-17-WG-202508**05**	8/5/25; 1550	1	2		X		X	X
009	GW-18S-WG-202508**05**	8/5/25; 1235	1	2		X		X	X
010	GW-18D-WG-202508**05**	8/5/25; 1150	1	2		X		X	X

Relinquished By	Date/Time	Received By	Date/Time
Breana Houska (ERM)	8/7/25; 1100	Cindy Kesselring	8/7/25 1100

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: 102366

Drop off Location
☐ Downers Grove, IL ☐ Lenexa, KS
☐ Springfield, IL ☒ Collinsville, IL

CHAIN OF CUSTODY

pg. 2 of 3 Work order # 25080648

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:**

ERM@erm.com

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE ____ °C LTG# ____

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

Lab Notes:

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 on GW-25

Project Name/Number	Sample Collector's Name
Ameren Taylorville 3rd Qtr 2025	B. HOUSKA

Results Requested (call for PFAS TAT and surcharges)
☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Date ____ ☐ 3 Day (50% Surcharge)

Billing/PO#

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HCl	MATRIX: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: PAHs	VOCs
25080648 011	GW-19S-WG-20250805	8/5/25; 1025	1	2		X		X	X
012	GW-19D-WG-20250805	8/5/25; 1000	1	2		X		X	X
013	GW-20-WG-20250804	8/4/25; 1450	1	2		X		X	X
014	GW-22S-WG-20250806	8/6/25; 1515	1	2		X		X	X
015	GW-22D-WG-20250809	8/6/25; 1435	1	2		X		X	X
016	DUP-001-WG-20250810	8/6/25; 0001	1	2		X		X	X
	~~TB-001-WG-20250804~~	~~8/4/25; 0800~~		2			X		X
	~~TB-002-WG-20250811~~			2			X		X
017	DUP-002-WG-20250807	8/7/25; 0002	1	2		X		X	X
018	GW-25-WG-20250804	8/4/25; 1555	3	2 6		X		X	X

Relinquished By	Date/Time	Received By	Date/Time
Brianna Houska (ERM)	8/7/25; 1100	Emily Kasakoski	8/7/25 1100

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: 102366

Drop off Location
☐ Downers Grove, IL ☐ Lenexa, KS
☐ Springfield, IL ☒ Collinsville, IL

CHAIN OF CUSTODY

pg. 3 of 3 Work order # 25080648

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:**
	EDD @ erm.com

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 3rd Qtr 2025

Sample Collector's Name: B. Houska

Results Requested (call for PFAS TAT and surcharges)
☒ Standard ☐ 1-2 Day (100% Surcharge)
☐ Date ____ ☐ 3 Day (50% Surcharge)

Billing/PO#

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HCl	MATRIX: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: PAHs	VOCs
25080648-019	GW-26-WG-20250804	8/4/25; 1415	1	2		X		X	X
020	EQB-001-WQ-20250804	8/4/25; 1130	1	2	X			X	X
	EQB-002-WQ-20250804		1	2	X			X	X
021	GW-20FF-WG-20250804	8/4/25; 1450	1	2		X		X	X
022	Trip Blank*								

Relinquished By	Date/Time	Received By	Date/Time
Briana Houska (ERM)	8/7/25; 1100	Emily Kawakami	8/7/25 1100

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: 102366

Outlook

RE: WO# 25080648 - Ameren Taylorville 3rd Qtr 2025

From Elizabeth A. Hurley <EHurley@TekLabInc.com>
Date Wed 8/13/2025 5:14 PM
To Michael Abegg <Michael.Abegg@erm.com>

EXTERNAL MESSAGE

Hi, Michael,

The sample hold time has expired for re-prep, but I've asked the lab supervisor to take a look at it as it appears to have been prepped following the GW-04R and DUP-002 samples (despite instructions otherwise).

I will be out of the office until 8/25, but my colleague Chip Darling has been informed of the request.

Best,

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

From: Michael Abegg <Michael.Abegg@erm.com>
Sent: Wednesday, August 13, 2025 5:10 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Re: WO# 25080648 - Ameren Taylorville 3rd Qtr 2025

Hey Liz,

Outlook

WO# 25080648 - GW-20FF-WG-20250804

From Elizabeth A. Hurley <EHurley@TekLabInc.com>
Date Wed 8/27/2025 8:11 AM
To Michael Abegg <Michael.Abegg@erm.com>

EXTERNAL MESSAGE

Good morning, Michael,

Following up on your 8/26 afternoon voicemail… GW-20FF-WG-20250804 was prepped at the beginning of a batch immediately following the Method Blank, LCS and LCSD, so any detections are not attributed to carryover from samples ahead of it in the prep batch. The prep team noted the sample appearance as "discolored."

GW-20FF-WG-20250804 was also analyzed once and it was at the beginning of the batch following the Method Blank, LCS, and LCSD, so detections are not attributed to carryover from samples ahead of it on the instrument.

Please let me know if you have any additional questions or need the sample to be re-prepped or re-analyzed.

Best,

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

The results for GW-25 does not appear to align with historical data.

Which samples were run before the GW-25 sample (note this was a MS/MSD)?

Also is this sample within hold time for a 8270F re-run?

Thanks!

Michael Abegg
Managing Consultant, Geology

Saint Louis, MO
314-341-7699
erm.com

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Wednesday, August 13, 2025 4:28:22 PM
To: Michael Abegg <Michael.Abegg@erm.com>
Cc: Jarred Schmidt <Jarred.Schmidt@erm.com>; Lena Mollica <lena.mollica@erm.com>; ERM Global EDD Mailbox <edd@erm.com>
Subject: WO# 25080648 - Ameren Taylorville 3rd Qtr 2025

EXTERNAL MESSAGE

Analytical results are attached above in pdf format. If any questions or comments arise, please do not hesitate to contact me.
We appreciate the opportunity to satisfy your testing needs.
Teklab will be closed on Monday, September 1st (Labor Day).
Let us know how we're doing by completing the survey using the following link: https://www.questionpro.com/t/AUlVQZqjMD
Have a great day!

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

ATTACHMENT B GROUNDWATER ELEVATION SUMMARY

Attachment B
Groundwater Elevation Summary
Quarter 3 2025
Ameren Taylorville
Taylorville, Illinois

Monitoring Well Number	Total Depth (feet)	Screened Interval (feet)	TOC Elevation (NAVD88)	8/4/2025	
				WL Below TOC (feet)	Elevation (feet NAVD88)
GW-4R	26.00	16.00-26.00	619.22	19.35	600.21
GW-5	61.00	50.75-61.00	620.97	17.70	603.07
GW-7	90.00	80.00-90.00	618.59	19.63	599.38
GW-14	94.00	84.00-94.00	619.07	19.61	599.68
GW-15	90.00	80.00-90.00	618.88	19.49	599.66
GW-16D	91.00	81.00-91.00	616.38	17.31	599.44
GW-16S	35.00	25.00-35.00	616.50	17.43	599.48
GW-17	35.00	25.00-35.00	614.60	15.56	599.43
GW-18D	84.00	74.00-84.00	604.32	3.67	600.77
GW-18S	25.00	15.00-25.00	602.05	3.65	598.64
GW-19D	82.50	72.50-82.50	606.90	7.89	599.08
GW-19S	22.00	12.00-22.00	606.70	7.91	598.92
GW-20	9.50	4.50-9.50	588.14	7.38	582.38
GW-22D	89.00	79.00-89.00	617.05	17.86	599.49
GW-22S	35.00	25.00-35.00	617.16	17.77	599.66
GW-25	28.00	18.00-28.00	611.01	11.68	599.63
GW-26	36.00	24.82-34.82	615.79	16.50	599.50
West Extraction Well	90.00	15.00-90.00	619.00	45	574

Notes:

TOC	Top of Casing
NAVD88	North American Vertical Datum of 1988

ATTACHMENT C SUMMARY OF THIRD QUARTER 2025 ANALYTICAL RESULTS

Attachment C
Analytical Data Summary - 2025Q3
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	GW-18S	GW-19D	GW-19S	GW-20
		Sample Date	08/07/2025	08/07/2025	08/04/2025	08/06/2025	08/06/2025	08/06/2025	08/05/2025	08/05/2025	08/05/2025	08/05/2025	08/05/2025	08/05/2025	08/05/2025	08/04/2025
		Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	16 - 26 ft	16 - 26 ft	50.75 - 61 ft	80 - 90 ft	84 - 94 ft	80 - 90 ft	81 - 91 ft	25 - 35 ft	25 - 35 ft	74 - 84 ft	15 - 25 ft	72.5 - 82.5 ft	12 - 22 ft	4.5 - 9.5 ft
Analyte	Unit	1992 ROD CUOs														
VOCs																
Benzene	ug/L	5	751	726	< 0.50	< 0.50	< 0.50	< 0.50	0.26 j	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 UJ	< 0.50
Bromoform	ug/L	0.2	< 4.00	< 4.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20
Ethylbenzene	ug/L	700	269	259	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
m,p-Xylenes	ug/L	NS	85.6	82.4	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
Methylene chloride	ug/L	0.2	< 40.0	< 40.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
Naphthalene	ug/L	25	816	806	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
o-Xylene	ug/L	NS	179	171	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
Toluene	ug/L	1000	146	139	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 40.0	< 40.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	0.42 j	< 2.00	< 2.00	< 2.00 UJ	< 2.00
Xylene, Total	ug/L	10000	265	254	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	0.0178	0.0176	< 0.000100	0.000153	< 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	0.0136	0.0144	< 0.000100	0.000136	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000788
Anthracene	mg/L	2.1	0.00387	0.00335	< 0.000300	0.00136	< 0.000300	0.000350	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	0.00776	0.00623	< 0.000100	0.000206	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.00128
Benzo(a)pyrene	mg/L	0.0002	< 0.0100	< 0.0100	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00433
Benzo(b)fluoranthene	mg/L	0.00018	0.0090 j	0.0074 j	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00400
Benzo(g,h,i)perylene	mg/L	0.21	0.00258	0.00232	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00408
Benzo(k)fluoranthene	mg/L	0.00017	0.00301	0.00266	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00108
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00200	< 0.00200	< 0.00200	0.00878	0.00202	< 0.00200	0.00451	< 0.00200	< 0.00200	0.00379	0.00240	< 0.00200	< 0.00200	< 0.00200
Chrysene	mg/L	0.0015	0.0147	0.0133	< 0.000200	0.00015 j	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00173
Dibenzo(a,h)anthracene	mg/L	0.0003	0.00217 J	0.00205 J	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.00124
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.0321	0.0298	< 0.000300	0.000759	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.00124
Fluorene	mg/L	0.28	0.0811	0.0782	< 0.000200	0.000326	< 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	0.00329 J	0.00303 J	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00328
m,p-cresol	mg/L	0.35	0.0025 j	0.0022 j	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	0.529	0.481	< 0.000400	< 0.000400	< 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	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Phenanthrene	mg/L	0.21	0.133	0.127	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	0.0235	0.0210	< 0.000200	0.00238	< 0.000200	0.000229	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00254

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
U = The analyte was analyzed for, but was not detected above the limit displayed.
RJ= Sample results rejected from data set.

Attachment C
Analytical Data Summary - 2025Q3
Ameren Taylorville
Taylorville, Illinois

		Location	GW-20(FF)	GW-22D	GW-22S	GW-22S	GW-25	GW-26	EQUIPMENT BLANK	TRIP BLANK	TRIP BLANK
		Sample Date	08/04/2025	08/06/2025	08/06/2025	08/06/2025	08/18/2025	08/04/2025	08/04/2025	08/07/2025	08/18/2025
		Sample Type	N	N	N	FD	N	N	EB	TB	TB
		Depth	4.5 - 9.5 ft	79 - 89 ft	25 - 35 ft	25 - 35 ft	18 - 28 ft	26 - 36 ft			
Analyte	Unit	1992 ROD CUOs									
VOCs											
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	RJ	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	RJ	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	RJ	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	RJ	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	RJ	1.1 j
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	RJ	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	RJ	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	RJ	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	RJ	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	RJ	< 2.00
SVOCs											
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA	NA
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA	NA
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA	NA
Benzo(a)anthracene	mg/L	0.00013	0.000123	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA	NA
Benzo(a)pyrene	mg/L	0.0002	0.000342	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	NA
Benzo(b)fluoranthene	mg/L	0.00018	0.000351	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	NA
Benzo(g,h,i)perylene	mg/L	0.21	0.000282	< 0.000200	< 0.000200	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	NA	NA
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	NA
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00200	< 0.00200	0.00580	< 0.00200	< 0.00200	< 0.00200	< 0.00200	NA	NA
Chrysene	mg/L	0.0015	0.00015 j	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	NA
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 UJ	< 0.000100 UJ	NA	NA
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NA	NA
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA	NA
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	NA
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	0.000260	< 0.000200	< 0.000200	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	NA	NA
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	0.00060 j	< 0.0100	< 0.0100	NA	NA
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	NA	NA
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NA	NA
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	NA	NA
Pyrene	mg/L	0.21	0.000250	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	NA

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Prc
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detected.
U = The analyte was analyzed for, but was not detected a
RJ= Sample results rejected from data set.

ATTACHMENT D SUMMARY OF HISTORICAL ANALYTICAL RESULTS

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R
		Sample Date	02/24/2021	05/13/2021	05/13/2021	08/12/2021	08/12/2021	11/09/2021	02/17/2022	02/17/2022	05/12/2022	05/12/2022	09/08/2022	11/30/2022	02/15/2023	02/15/2023
		Sample Type	N	N	FD	N	FD	N	N	FD	N	FD	N	N	N	FD
		Depth	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	632	341	775	652	658	798	1150	1180	1100	1070	670	895	609	612
Bromoform	ug/L	0.2	< 2	< 100	< 20	< 100	< 2	< 200	< 2	< 2	< 100	< 100	< 20.0	< 2.00	< 10.0	< 0.20
Ethylbenzene	ug/L	700	155	104	216	235	243	331	476	500	312	330	249	304	250	250
m,p-Xylenes	ug/L	NS	165	80.5	158	135	146	166	108	104	225	229	112	56.6	63.5	64.5
Methylene chloride	ug/L	0.2	< 2	< 100	< 20	< 100	< 2	< 200	< 2	< 2	< 100	< 100	< 20.0	< 20.0	< 100	< 2.00
Naphthalene	ug/L	25	2790	1510	3150	3020	3020	3520	2530	2620	3550	3350	3540	2340	2380	2490
o-Xylene	ug/L	NS	140	67	137	108	118	178	241	244	176	184	157	187	136	148
Toluene	ug/L	1000	208	184	409	256	255	216	90.5	94.6	338	357	104	100	72 j	70.8
trans-1,2-Dichloroethene	ug/L	100	< 2	< 100	< 20	< 100	< 2	< 200	< 2	< 2	< 100	< 100	< 20.0	< 20.0	< 100	< 2.00
Xylene, Total	ug/L	10000	304	148	295	243	265	344	350	347	400	412	269	243	199	213
SVOCs																
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	0.0404	0.00135	0.0348	0.0334
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	0.00446	0.00447	0.00218	0.00195
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	0.000749	0.00241	0.000925	0.000616
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	0.000090 j	0.00194	0.000150	0.000109
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	< 0.000200	0.00017 j	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	0.00012	0.000229	0.000376	0.000125	0.000192	0.000226	< 0.0001	0.000084 j	< 0.0001	0.000128	< 0.000100	0.00252	0.000101	0.000070 j
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	0.00019 j	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	0.000544	< 0.000200	< 0.000200
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	< 0.000100	0.000697	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	0.000334	0.000493	0.000747	0.000491	0.000501	0.000754	0.0002	0.000196	0.00013	0.00022	0.000241	0.00674	0.000513	0.000385
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	< 0.000200	0.000256	< 0.000200	< 0.000200
Dibutyl 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	< 0.0100	< 0.0100	< 0.0100	< 0.0100
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	0.00414	0.0210	0.00489	0.00457
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	0.0853	0.0841	0.0800	0.0801
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	< 0.000200	0.000588	< 0.000200	< 0.000200
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	< 0.0100	< 0.0100	< 0.0100	< 0.0100
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	0.0058 j	0.008 j	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	1.53	1.82	1.86	1.62	1.75	2.43	1.82	1.82	2.77	3.54	2.80	1.50	1.83	1.86
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	0.0799	0.142	0.0722	0.0735
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	0.00176	0.0124	0.00208	0.00203

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB

Qualifier Definition(s)

J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R
		Sample Date	05/18/2023	05/18/2023	09/13/2023	09/13/2023	10/27/2023	10/27/2023	02/15/2024	02/15/2024	05/10/2024	05/10/2024	08/30/2024	08/30/2024	11/22/2024	11/22/2024
		Sample Type	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD
		Depth	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	341	364	235	241	346	392	1380	1500	1130	999	1150	1180	1030	1090
Bromoform	ug/L	0.2	< 2.00	< 10.0	< 2.00	< 2.00	< 2.00	< 0.20	< 5.00	< 2.00	< 0.20	< 0.20	< 4.00	< 4.00	< 2.00	< 2.00
Ethylbenzene	ug/L	700	186	184	144	144	117	159	322	369	295	261	261	261	306	319
m,p-Xylenes	ug/L	NS	39.3	48 j	19.1	20.8	14.7	19.7	124 J	145 J	226	216	119	110	79.3	80.5
Methylene chloride	ug/L	0.2	38.3	< 100	< 20.0	10 j	< 20.0	< 2.00	< 50.0	< 20.0	< 2.00	< 2.00	< 40.0	< 40.0	< 20.0	< 20.0
Naphthalene	ug/L	25	1580	1480	814	740	510	531	1700	1940	2300 J	2220 J	1790	1730	1120	1160
o-Xylene	ug/L	NS	93.4	100	80.3	82.1	62.0	80.8	182	203	196	188	185	181	188	200
Toluene	ug/L	1000	30.5	42 j	14 j	15 j	24.8	34.8	320	378	132	125	159	153	171	185
trans-1,2-Dichloroethene	ug/L	100	< 20.0	< 100	< 20.0	< 20.0	< 20.0	< 2.00	< 50.0	< 20.0	< 2.00	< 2.00	< 40.0	< 40.0	< 20.0	< 20.0
Xylene, Total	ug/L	10000	133	148	99.4	103	76.7	101	306	348	422	403	304	291	267	281
SVOCs																
Acenaphthene	mg/L	0.42	0.0190 H	0.0241 H	0.0290	0.0299	0.0330	0.0373	0.0308	0.0293	0.0171 J	0.0203 J	0.0203	0.0217	0.0341	0.0323
Acenaphthylene	mg/L	0.21	0.000868 H	0.00117 H	0.00144	0.00154	0.00163	0.00183	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	0.000346 H	0.000476 H	0.000854	0.000802	0.000920	0.00135	0.000936	0.000831	0.00122 J+	0.00153	0.00180	0.00201	0.0135	0.0158
Benzo(a)anthracene	mg/L	0.00013	< 0.000100 HU	0.000072 jH	0.000096 j	0.000078 j	0.000570	0.000620	0.000113	0.000109	0.000205 J+	0.000204	0.000267	0.000251	0.0122	0.0157
Benzo(a)pyrene	mg/L	0.0002	< 0.000200 HU	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00177	0.00230
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100 HU	< 0.000100 HU	< 0.000100	< 0.000100	0.000557	0.000591	< 0.000100	0.000092 j	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.0172	0.0211
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200 HU	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00406 J	0.00584 J
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100 HU	< 0.000100 HU	< 0.000100	< 0.000100	0.000116	0.000139	< 0.000100	< 0.000100	< 0.000200	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	0.00464 J	0.00720 J
Chrysene	mg/L	0.0015	0.000210 H	0.000170 H	0.000209	0.000187	0.00217	0.00233	0.000279	0.000276	0.000455 J+	0.000436	0.000541	0.000585	0.0232	0.0281
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200 HU	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00222	0.00289
Dibutyl phthalate	mg/L	0.7	< 0.0100 HU	< 0.0100 HU	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.00257 H	0.00276 H	0.00460	0.00444	0.00893	< 0.0150	0.00472	0.00417	< 0.0300	< 0.0300	< 0.0150	< 0.0150	0.0430	0.0628
Fluorene	mg/L	0.28	0.0397 H	0.0537 H	0.0616	0.0538	0.0573	0.0802	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	< 0.000200 HU	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00449	0.00598
m,p-cresol	mg/L	0.35	< 0.0100 HU	< 0.0100 HU	< 0.0100	< 0.0100	0.00079 j	0.0010 j	< 0.0100	< 0.0100	< 0.0100	< 0.0100	0.0037 j	< 0.0100	0.0029 j	0.0022 j
o-Cresol	mg/L	0.35	0.00090 jH	0.00098 jH	< 0.0100	< 0.0100	< 0.0100	0.0010 j	< 0.0100	< 0.0100	< 0.0100	< 0.0100	0.0043 j	0.0046 j	0.0026 j	0.0020 j
Naphthalene	mg/L	0.025	< 0.000400 HU	0.398 H	0.410	0.446	0.343	0.414	0.839	0.634	1.02	1.38	1.22	1.04 J+	0.809	0.876
Phenanthrene	mg/L	0.21	0.0148 H	0.0461 H	0.0694	< 0.150	0.0669	0.0915	0.0716	0.0726	0.0679	0.0648	0.0810	0.0868	0.145	0.214
Pyrene	mg/L	0.21	0.000948 H	0.00102 H	0.00225	0.00227	0.00411	0.00465	0.00225 J	0.00159 J	0.00362 J+	0.00374	0.00453	0.00444	0.0366	0.0441

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmer
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB

Qualifier Definition(s)

J/j = The result is an estimated quantity. The associatec
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result r
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R
		Sample Date	02/26/2025	02/26/2025	05/08/2025	05/08/2025	08/07/2025	08/07/2025
		Sample Type	N	FD	N	FD	N	FD
		Depth	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result
VOCs								
Benzene	ug/L	5	1030	976	874	883	751	726
Bromoform	ug/L	0.2	< 2.00	< 0.20	< 2.00	< 2.00	< 4.00	< 4.00
Ethylbenzene	ug/L	700	332	309	253	269	269	259
m,p-Xylenes	ug/L	NS	73.9	64.2	69.3	73.8	85.6	82.4
Methylene chloride	ug/L	0.2	< 20.0	< 2.00	13 j	18 j	< 40.0	< 40.0
Naphthalene	ug/L	25	858	1010	822	803	816	806
o-Xylene	ug/L	NS	210	195	159	167	179	171
Toluene	ug/L	1000	162	186	178	185	146	139
trans-1,2-Dichloroethene	ug/L	100	< 20.0	< 2.00	< 20.0	< 20.0	< 40.0	< 40.0
Xylene, Total	ug/L	10000	284	259	228	240	265	254
SVOCs								
Acenaphthene	mg/L	0.42	0.0291	0.0317	0.0228	0.0228	0.0178	0.0176
Acenaphthylene	mg/L	0.21	0.0197	0.0242	0.0183	0.0326	0.0136	0.0144
Anthracene	mg/L	2.1	0.00518	0.00655	0.00309 J	0.0160 J	0.00387	0.00335
Benzo(a)anthracene	mg/L	0.00013	0.0140	0.0175	0.00904 J	0.0245 J	0.00776	0.00623
Benzo(a)pyrene	mg/L	0.0002	0.0019	0.00260	0.00439	0.00399	< 0.0100	< 0.0100
Benzo(b)fluoranthene	mg/L	0.00018	0.0198	0.0237	0.0120 J	0.0354 J	0.0090 j	0.0074 j
Benzo(g,h,i)perylene	mg/L	0.21	0.00450	0.00570	0.00186 J	0.0067 J	0.00258	0.00232
Benzo(k)fluoranthene	mg/L	0.00017	0.00655	0.00792	0.00249 J	0.0118 J	0.00301	0.00266
Chrysene	mg/L	0.0015	0.0304	0.0395	0.0201 J	0.0504 J	0.0147	0.0133
Dibenzo(a,h)anthracene	mg/L	0.0003	0.00231	0.00294	0.00122 J	0.00482 J	0.00217 J	0.00205 J
Dibutyl phthalate	mg/L	0.7	< 0.100	< 0.100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0750	0.068	0.0431 J	0.102 J	0.0321	0.0298
Fluorene	mg/L	0.28	0.0758	0.0817	0.0808	0.102	0.0811	0.0782
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	0.00502	0.00667	0.00237 J	0.0091 J	0.00329 J	0.00303 J
m,p-cresol	mg/L	0.35	< 0.100	< 0.100	0.0022 j	0.0027 j	0.0025 j	0.0022 j
o-Cresol	mg/L	0.35	< 0.100	< 0.100	0.0016 j	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	0.497	0.481	0.267	0.263	0.529	0.481
Phenanthrene	mg/L	0.21	0.187	0.206	0.144	< 0.300	0.133	0.127
Pyrene	mg/L	0.21	0.0413 J	0.0512 J	0.0314 J	0.0798 J	0.0235	0.0210

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmer
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associatec
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result r
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5
		Sample Date	02/24/2021	05/11/2021	08/12/2021	11/09/2021	02/15/2022	05/10/2022	09/07/2022	11/29/2022	02/13/2023	05/16/2023	05/16/2023	09/13/2023	09/15/2023	10/25/2023
		Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N
		Depth	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	0.18 j	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	0.22 j	< 1	< 1	1.21	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	0.31 j	< 1.00
m,p-Xylenes	ug/L	NS	0.2 j	< 1	< 1	0.99 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2 HU	< 2	1 j	< 2.00	1.0 j	0.49 Bj	< 2.00	< 2.00	1.4 j	11.0	0.93 j
o-Xylene	ug/L	NS	0.14 j	< 1	< 1	0.74 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	0.20 j	< 1.00
Toluene	ug/L	1000	0.12 j	< 2	< 2	0.3 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	0.34 j	< 2	< 2	1.7 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.000075 j	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	0.00111	< 0.0004	0.00194	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	0.000663	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	0.000838	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	0.000221	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5
		Sample Date	02/13/2024	05/07/2024	08/29/2024	11/20/2024	03/18/2025	05/05/2025	08/04/2025
		Sample Type	N	N	N	N	N	N	N
		Depth	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result
VOCs									
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	0.23 j	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00 HU	2.1 j	4.04	< 2.00	0.65 j	< 2.00
o-Xylene	ug/L	NS	< 1.00	0.15 j	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	0.12 j	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs									
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	0.000074 j	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000200	< 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	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 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	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 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
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.0050	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detectec
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7
		Sample Date	02/23/2021	05/12/2021	08/12/2021	11/09/2021	02/16/2022	05/11/2022	09/07/2022	11/29/2022	02/15/2023	05/17/2023	09/13/2023	10/27/2023	02/13/2024	02/13/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
		Depth	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50 SU	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 UJ
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20 UJ
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.32 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	0.12 J-	< 1.00 UJ
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.54 j	< 1	< 1	< 1.00	< 1.00 SU	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00 UJ
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00 UJ
Naphthalene	ug/L	25	< 2	1.4 j	< 2	< 2 HU	< 2	< 2	< 2.00	0.70 j	0.36 Bj	< 2.00	< 2.00	< 2.00	1.2 J-	< 2.00 UJ
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.21 j	< 1	< 1	< 1.00	< 1.00 SU	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00 UJ
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00 SU	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00 UJ
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00 UJ
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.75 j	< 2	< 2	< 2.00	< 2.00 SU	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00 UJ
SVOCs																
Acenaphthene	mg/L	0.42	0.000076 j	0.000118	0.000079 j	0.000136	0.000183	0.000145	0.000118	0.000120	0.000183	0.000122 H	0.000155	0.000158	0.000139	0.000130
Acenaphthylene	mg/L	0.21	0.000168	0.000117	0.000137	0.000186	0.000251	0.000149	0.000170	0.000179	0.000203	0.000137 H	0.000194	0.000202	0.000178	0.000157
Anthracene	mg/L	2.1	0.00144	0.00119	0.00124	0.00146	0.00144	0.00153	0.00162	0.00144	0.00148	0.00115 H	0.00179	0.00161	0.00167	0.00149
Benzo(a)anthracene	mg/L	0.00013	0.000119	0.000161	0.000186	0.000235	0.000185	0.000182	0.000212	0.000201	0.000202	0.000183 H	0.000235	0.000211	0.000224	0.000204
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	0.000082 j	0.000102	0.000122	0.00017	0.000177	0.000163	0.000164	0.000157	0.000141	0.000145 H	0.000194	0.000184	0.000166	0.000166
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100 HU	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.00131	0.00136	0.00146	0.00164	0.00147	0.00169	0.00154	0.00154	0.00127	0.00106 H	0.00141	0.00122	0.00118	0.00111
Fluorene	mg/L	0.28	0.000295	0.000343	0.000305	0.00039	0.000516	0.000368	0.000331	0.000366	0.000400	0.000331 H	0.000413	0.000393	0.000365	0.000351
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100 HU	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100 HU	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	0.00329	< 0.0004	< 0.0004	0.00269	< 0.0004	< 0.000400	< 0.000400	0.00283 S	< 0.000400 HU	< 0.000400	0.000614	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600 HU	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	0.00197	0.00227	0.00233	0.0026	0.0025	0.003	0.00276	0.00281	0.00260	0.00157 H	0.00238	0.00265	0.00275	0.00262

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7
		Sample Date	05/09/2024	05/09/2024	08/30/2024	11/21/2024	02/25/2025	05/07/2025	05/07/2025	08/06/2025
		Sample Type	N	FD	N	N	N	N	FD	N
		Depth	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result
VOCs										
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 UJ	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	2.81	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00
SVOCs										
Acenaphthene	mg/L	0.42	0.000136	0.000121	0.000204	0.000233	0.000115	0.000130	0.000104	0.000153
Acenaphthylene	mg/L	0.21	0.000177	0.000182	0.000247	0.000177	0.000108	0.000145	0.000121	0.000136
Anthracene	mg/L	2.1	0.00193	0.00141	0.00222	0.00187	0.00118	0.00151	0.00123	0.00136
Benzo(a)anthracene	mg/L	0.00013	0.000218	0.000183	0.000285	0.000229	0.000178	0.000199	0.000180	0.000206
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200 UJ	< 0.000200	< 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	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	0.000204	0.00014 j	0.00020 j	0.000242	0.00014	0.00016 j	0.00013 j	0.00015 j
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.00129	0.000934	0.00139	0.00125	0.000701	0.000756	0.000612	0.000759
Fluorene	mg/L	0.28	0.000343	0.000334	0.000536	0.000648	0.000304	0.000304	0.000254	0.000326
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200 UJ	< 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
o-Cresol	mg/L	0.35	< 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	0.00496	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	0.00059 j	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	0.00336 J	0.00237 J	0.00375	0.00302	0.00230	0.00255	0.00208	0.00238

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detectec
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14
		Sample Date	02/23/2021	05/11/2021	08/12/2021	11/09/2021	02/16/2022	05/11/2022	09/07/2022	11/29/2022	02/14/2023	05/17/2023	09/13/2023	10/26/2023	02/13/2024	05/09/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.38 j	< 1	< 1	< 1.00	< 1.00	0.11 j	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.72 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	1.6 j	0.49 j	< 2	2.53	< 2	< 2	< 2.00	0.62 j	< 2.00 BU	< 2.00	< 2.00	< 2.00	0.64 j	1.1 j
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.36 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	0.19 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	1.1 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-14	GW-14	GW-14	GW-14	GW-14
		Sample Date	08/29/2024	11/21/2024	02/25/2025	05/07/2025	08/06/2025
		Sample Type	N	N	N	N	N
		Depth	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50 UJ	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 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	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 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	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 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
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 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
Phenanthrene	mg/L	0.21	< 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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15
		Sample Date	02/23/2021	05/13/2021	05/13/2021	08/12/2021	11/09/2021	02/17/2022	02/17/2022	05/11/2022	09/08/2022	11/30/2022	02/15/2023	02/15/2023	05/18/2023	05/18/2023
		Sample Type	N	N	FD	N	N	N	FD	N	N	N	N	FD	N	FD
		Depth	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	< 1	0.16 j	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	< 1	0.43 j	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	1.1 j	< 2	< 2	< 2	1.6 j	< 2	< 2	< 2	< 2.00	0.55 j	< 2.00 BU	< 2.00 BU	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	0.13 j	< 1	< 1	< 1	0.11 j	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	< 2	0.56 j	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	0.000094 j	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100 HU
Acenaphthylene	mg/L	0.21	< 0.0001	0.000063 j	0.000084 j	< 0.0001	< 0.0001	< 0.0001	0.000074 j	< 0.0001	0.000077 j	< 0.000100	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100 HU
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300 HU	< 0.000300 HU
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	0.00007 j	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100 HU
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	0.000075 j	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100 HU
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	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100 HU
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100 HU
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100 HU	< 0.0100 HU
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300 HU	< 0.000300 HU
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	0.000287	< 0.000200	0.00010 j	0.000204 H	< 0.000200 HU
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	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100 HU	< 0.0100 HU
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100 HU	< 0.0100 HU
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	0.00366	0.00414	< 0.000400	< 0.000400	< 0.000400 HU	< 0.000400 HU
Phenanthrene	mg/L	0.21	< 0.0006 RU	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600 HU	< 0.000600 HU
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15
		Sample Date	09/13/2023	10/27/2023	02/15/2024	05/10/2024	08/30/2024	11/22/2024	02/26/2025	05/08/2025	08/06/2025
		Sample Type	N	N	N	N	N	N	N	N	N
		Depth	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs											
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	0.60 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs											
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	0.000087 j	< 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	0.000056 j	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.000350
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 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	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000100	< 0.000100	< 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	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	0.00019 j	0.000219	< 0.000200	< 0.000200	< 0.000200	0.00019 j	< 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
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
o-Cresol	mg/L	0.35	< 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	0.00250	0.00315	< 0.000400	< 0.000400	< 0.000400	0.000894	< 0.000400
Phenanthrene	mg/L	0.21	< 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	0.000229

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detectec
J+ = The result is an estimated quantity, but the result i
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D
		Sample Date	02/22/2021	05/10/2021	08/10/2021	11/08/2021	02/15/2022	05/09/2022	09/06/2022	11/28/2022	02/13/2023	05/15/2023	09/14/2023	10/25/2023	02/14/2024	05/09/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/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	0.64	< 0.71	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.16 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.52 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	0.34 j	< 2	< 2	0.92 j	< 2	< 2	< 2.00	0.51 j	< 2.00 BU	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.13 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	0.13 j	< 2	0.10 j	0.12 j	< 2.00	0.13 j	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.65 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000076 j	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	0.00101	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D
		Sample Date	08/28/2024	11/20/2024	02/25/2025	05/07/2025	08/05/2025
		Sample Type	N	N	N	N	N
		Depth	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	0.41 j	< 0.50 UJ	< 0.50	0.26 j
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 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	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 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	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 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
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 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
Phenanthrene	mg/L	0.21	< 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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S
		Sample Date	02/22/2021	05/10/2021	08/10/2021	11/08/2021	02/15/2022	05/09/2022	09/06/2022	11/28/2022	02/13/2023	05/15/2023	09/14/2023	10/25/2023	02/13/2024	05/09/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.16 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.49 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	0.43 j	< 2	< 2	1.2 j	< 2	< 2	< 2.00	0.52 j	< 2.00 BU	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.12 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.61 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000076 j	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	0.00057	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	0.000992	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	0.00255	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	0.000486	< 0.0002	< 0.0002	< 0.0002 BU	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S
		Sample Date	08/28/2024	11/20/2024	02/25/2025	05/07/2025	08/05/2025
		Sample Type	N	N	N	N	N
		Depth	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 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	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 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
Chrysene	mg/L	0.0015	< 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	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 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
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 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
Phenanthrene	mg/L	0.21	< 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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17
		Sample Date	02/22/2021	05/10/2021	08/10/2021	11/08/2021	02/15/2022	05/09/2022	09/06/2022	11/28/2022	02/13/2023	05/15/2023	09/14/2023	10/25/2023	02/14/2024	05/09/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.12 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.53 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	0.38 j	< 2	< 2	< 2	< 2	< 2	< 2.00	0.49 j	< 2.00 BU	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.12 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.65 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000074 j	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-17	GW-17	GW-17	GW-17	GW-17
		Sample Date	08/28/2024	11/20/2024	02/25/2025	05/06/2025	08/05/2025
		Sample Type	N	N	N	N	N
		Depth	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 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	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 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	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 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
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 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
Phenanthrene	mg/L	0.21	< 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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D
		Sample Date	02/23/2021	02/23/2021	05/11/2021	08/11/2021	11/10/2021	02/16/2022	05/09/2022	09/07/2022	09/07/2022	11/29/2022	02/14/2023	05/16/2023	09/14/2023	10/26/2023
		Sample Type	N	FD	N	N	N	N	N	N	fd	N	N	N	N	N
		Depth	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	< 1	0.13 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	< 1	0.41 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	0.54 j	< 2.00 BU	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	0.13 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	0.12 j	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	< 2	0.54 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 BU	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	0.00185	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D
		Sample Date	02/14/2024	05/07/2024	08/29/2024	11/20/2024	02/24/2025	05/06/2025	08/05/2025
		Sample Type	N	N	N	N	N	N	N
		Depth	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result
VOCs									
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	0.10 j	< 0.50 UJ	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	0.19 j	0.21 j	0.36 j	0.36 j	0.31 J	0.38 j	0.42 j
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
SVOCs									
Acenaphthene	mg/L	0.42	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000200	< 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	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 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	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 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
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 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
Phenanthrene	mg/L	0.21	< 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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detectec
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S
		Sample Date	02/23/2021	05/11/2021	08/11/2021	11/10/2021	11/10/2021	02/16/2022	05/09/2022	09/07/2022	11/29/2022	02/14/2023	05/16/2023	09/14/2023	10/26/2023	02/14/2024
		Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
		Depth	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.11 j	0.13 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.39 j	0.45 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	0.48 j	< 2.00 BU	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	0.11 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	0.13 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.39 j	0.56 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003 BU	< 0.0003 BU	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000071 j	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
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Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S
		Sample Date	05/07/2024	08/29/2024	11/20/2024	02/24/2025	05/06/2025	08/05/2025
		Sample Type	N	N	N	N	N	N
		Depth	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result
VOCs								
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs								
Acenaphthene	mg/L	0.42	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 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	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 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	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 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
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 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
Phenanthrene	mg/L	0.21	< 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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
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Analysis performed by TEKLAB
Qualifier Definition(s)
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UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

	Location		GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D
	Sample Date		02/23/2021	05/11/2021	08/11/2021	11/10/2021	02/16/2022	05/09/2022	09/07/2022	11/29/2022	02/14/2023	05/16/2023	09/14/2023	10/26/2023	02/14/2024
	Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N
	Depth		72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs															
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.13 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.5 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	0.47 Bj	< 2.00 BU	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.12 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	0.12 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.62 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs															
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	0.000159	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003 BU	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D
		Sample Date	05/07/2024	08/29/2024	11/19/2024	02/24/2025	05/06/2025	08/05/2025
		Sample Type	N	N	N	N	N	N
		Depth	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result
VOCs								
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50 UJ	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
SVOCs								
Acenaphthene	mg/L	0.42	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 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	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 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	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 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
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 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
Phenanthrene	mg/L	0.21	< 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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detectec
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S
		Sample Date	02/23/2021	05/11/2021	08/11/2021	11/10/2021	02/16/2022	02/16/2022	05/09/2022	09/07/2022	11/29/2022	11/29/2022	02/14/2023	02/14/2023	05/16/2023	09/14/2023
		Sample Type	N	N	N	N	N	FD	N	N	N	FD	N	FD	N	N
		Depth	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.15 j	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.5 j	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	0.50 j	0.46 Bj	< 2.00 BU	< 2.00 BU	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.11 j	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.61 j	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003 BU	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
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RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S
		Sample Date	10/26/2023	02/14/2024	05/07/2024	08/29/2024	11/19/2024	02/24/2025	05/06/2025	08/05/2025
		Sample Type	N	N	N	N	N	N	N	N
		Depth	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result
VOCs										
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 UJ
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ
SVOCs										
Acenaphthene	mg/L	0.42	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000100	< 0.000200	< 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	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000100	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000100	< 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	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 0.000200 BU	< 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
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 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
Phenanthrene	mg/L	0.21	< 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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detectec
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-20	GW-20	GW-20	GW-20	GW-20	GW-20	GW-20	GW-20	GW-20	GW-20	GW-20	GW-20	GW-20	GW-20
		Sample Date	02/23/2021	05/11/2021	05/11/2021	08/11/2021	11/10/2021	02/16/2022	05/09/2022	09/07/2022	11/29/2022	02/14/2023	05/16/2023	09/14/2023	10/26/2023	02/14/2024
		Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
		Depth	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	< 1	0.12 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	< 1	0.47 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	0.47 Bj	< 2.00 BU	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	0.16 j	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	0.48 j	0.52 j	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	< 2	0.47 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	0.000075 j	0.00033	0.000509	0.000498	0.000229	0.00062	0.00008 j	0.000700	0.000363	0.000670	0.000178	0.000635	0.000198	0.000172
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 BU	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	0.000388	0.000671	0.000565	0.000316	0.000693	0.000088 j	0.000921	0.000460	0.000650	0.000155	0.000976	0.000314	0.000177
Benzo(a)pyrene	mg/L	0.0002	0.000238	0.00135	0.00223	0.00193	0.000893	0.00224	0.000337	0.00271	0.00167	0.00282	0.000684	0.00315	0.00111	0.000579
Benzo(b)fluoranthene	mg/L	0.00018	0.000174	0.00107	0.00184	0.00173	0.000825	0.00198	0.000258	0.00240	0.00128	0.00220	0.000434	0.00269	0.000961	0.000563
Benzo(g,h,i)perylene	mg/L	0.21	0.000243	0.00129	0.00197	0.00203	0.000894	0.00219	0.000441	0.00283	0.00159	0.00261	0.000745	0.00324	0.00112	0.000562
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	0.000302	0.000497	0.000521	0.00017	0.000629	0.00008 j	0.000695	0.000393	0.000508	0.000161	0.000771	0.000288	0.000153
Chrysene	mg/L	0.0015	0.000073 j	0.000548	0.000921	0.000754	0.000398	0.000937	0.000151	0.00118	0.000604	0.000941	0.000223	0.00131	0.000468	0.000236
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	0.00018 j	0.000294	0.000376	0.00012 j	0.000408	< 0.0002	0.000490	0.000230	0.000475	0.00012 j	0.000681	0.00016 j	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	0.000342	0.000652	0.000616	0.000316	0.00069	< 0.0003	0.00100	0.000582	0.000576	< 0.000300	0.00107	0.000333	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	0.000892	0.00147	0.0014	0.000611	0.00161	0.000345	0.00202	0.00107	0.00178	0.000442	0.00234	0.000712	0.000374
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	0.000845	0.00151	0.00127	0.000613	0.00156	0.000208 B	0.00197	0.00112	0.00123	0.000362	0.00227	0.000534	0.000294

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-20	GW-20	GW-20	GW-20	GW-20(FF)	GW-20
		Sample Date	05/07/2024	08/29/2024	11/19/2024	02/24/2025	02/24/2025	05/06/2025
		Sample Type	N	N	N	N	N	N
		Depth	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result
VOCs								
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50 UJ	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.0	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
SVOCs								
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	0.000113	0.000285	0.000192	< 0.000100	< 0.000100	0.000237
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	0.000089 j	0.000203	0.000205	0.000072	< 0.000100	0.000212
Benzo(a)pyrene	mg/L	0.0002	0.000328	0.000883	0.000535	0.000241	< 0.000200	0.00102
Benzo(b)fluoranthene	mg/L	0.00018	0.000282 J	0.000745	0.000710	0.000211	< 0.000200	0.000883
Benzo(g,h,i)perylene	mg/L	0.21	0.000566	0.000992	0.000832	0.000238	< 0.000200	0.000910
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	0.000252 J	0.00018 j	< 0.000200	< 0.000200	0.000211
Chrysene	mg/L	0.0015	0.00017 j	0.000344	0.000247	< 0.000200	< 0.000200	0.000336
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	0.00013 j	< 0.000200	< 0.000200	< 0.000200	0.00018 j
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	0.000314 J	0.000746	0.000492	< 0.000200	< 0.000200	0.000636
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 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
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	0.000212	0.000428	0.000422	< 0.000200	< 0.000200	0.000468

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detectec
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-20(FF)	GW-20(FF)	GW-20(FF)
		Sample Date	02/24/2025	05/06/2025	08/04/2025
		Sample Type	N	N	N
		Depth	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result
VOCs					
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	< 1.00	< 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	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.0	0.24 j	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	0.41 j	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00
SVOCs					
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	0.000123
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	0.000342
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	0.000351
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	0.000282
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	0.00015 j
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	0.000260
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	0.000250

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the samp
UJ = The analyte was analyzed for, but was not detected. The reported limit is approximate and may be inaccurate or imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D
		Sample Date	02/23/2021	05/12/2021	08/12/2021	11/09/2021	02/16/2022	05/10/2022	09/06/2022	11/28/2022	02/14/2023	05/16/2023	09/14/2023	10/26/2023	10/26/2023	02/15/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
		Depth	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	0.52	1.2	0.45 j	0.21 j	< 0.5 SU	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.12 j	< 1 SU	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.43 j	< 1 SU	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00 BU	0.59 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.11 j	< 1 SU	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2 SU	< 2	< 2.00	0.11 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.54 j	< 2 SU	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200 BU	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	0.000955	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D
		Sample Date	05/09/2024	08/30/2024	11/21/2024	02/26/2025	05/07/2025	08/06/2025
		Sample Type	N	N	N	N	N	N
		Depth	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result
VOCs								
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs								
Acenaphthene	mg/L	0.42	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200 UJ	< 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	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 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	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200 UJ	< 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
o-Cresol	mg/L	0.35	< 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
Phenanthrene	mg/L	0.21	< 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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S
		Sample Date	02/22/2021	05/12/2021	08/11/2021	08/11/2021	11/09/2021	11/09/2021	02/16/2022	05/10/2022	09/07/2022	11/29/2022	02/14/2023	05/16/2023	09/14/2023	10/26/2023
		Sample Type	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N
		Depth	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	0.14 j	< 1	< 1	< 1	0.11 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	0.2 j	< 1	< 1	0.39 j	0.47 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	0.47 Bj	< 2.00 BU	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	0.13 j	< 1	< 1	< 1	0.11 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.12 j	< 2.00	0.22 j	0.25 j	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	0.33 j	< 2	< 2	0.39 j	0.58 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.000068 j	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
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	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
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	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU
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	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S
		Sample Date	02/15/2024	05/09/2024	05/09/2024	08/30/2024	08/30/2024	11/21/2024	11/21/2024	02/26/2025	02/26/2025	05/08/2025	05/08/2025	08/06/2025	08/06/2025
		Sample Type	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD
		Depth	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs															
Benzene	ug/L	5	115	8.66	8.58	0.88	0.89	3.23	3.07	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	1.98	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.0	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	0.75 j	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	2.51	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.0	< 2.00	< 2.00	< 2.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	3.26	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs															
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	< 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	< 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	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000074 j	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	0.000078 j	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 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	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000200 UJ	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	0.000065 j	< 0.000200	< 0.000200	< 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	< 0.000200	< 0.000100	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.00029 j	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 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	< 0.000400	< 0.000400	< 0.000400
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	< 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	< 0.000200	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detectec
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25
		Sample Date	02/23/2021	05/12/2021	08/11/2021	11/08/2021	02/15/2022	05/10/2022	09/06/2022	11/28/2022	02/13/2023	05/15/2023	09/14/2023	10/26/2023	02/14/2024	05/09/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.16 j	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.11 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.48 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	3.29	< 2	< 2	< 2	< 2	< 2	< 2.00 BU	0.46 Bj	< 2.00 BU	< 2.00	1.5 j	3.77	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.1 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	0.40 j	0.29 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.58 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.0012 j	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-25	GW-25	GW-25	GW-25	GW-25
		Sample Date	08/28/2024	11/21/2024	03/18/2025	05/07/2025	08/18/2025
		Sample Type	N	N	N	N	N
		Depth	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	0.86 j	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.0	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 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	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 UJ
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 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	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 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 UJ
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100 UJ	0.00060 j
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100 UJ	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26
		Sample Date	02/24/2021	05/11/2021	08/12/2021	11/08/2021	02/15/2022	05/10/2022	09/06/2022	11/28/2022	02/13/2023	05/15/2023	09/15/2023	10/26/2023	02/15/2024	05/08/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.15 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.52 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	0.52 j	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00 BU	< 2.00 BU	< 2.00	0.69 j	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.12 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	0.21 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.64 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	0.000072 j	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000081 j	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	0.000215	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 UJ
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	0.00429	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 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
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-26	GW-26	GW-26	GW-26	GW-26
		Sample Date	08/29/2024	11/20/2024	03/18/2025	05/06/2025	08/04/2025
		Sample Type	N	N	N	N	N
		Depth	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	0.12 j	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	4.25	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 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	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 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	< 0.000100 UJ
Dibutyl phthalate	mg/L	0.7	< 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
Fluorene	mg/L	0.28	< 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 UJ
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 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
Phenanthrene	mg/L	0.21	< 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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-101S	GW-101S	GW-101S	GW-101S	GW-101S
		Sample Date	05/11/2021	05/10/2022	05/16/2023	05/08/2024	05/05/2025
		Sample Type	N	N	N	N	N
		Depth	19.38 - 24.37 ft	19.38 - 24.37 ft	19.38 - 24.37 ft	19.38 - 24.37 ft	19.38 - 24.37 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2.00	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.000100	< 0.000200 UJ	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.000100	< 0.000200 UJ	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.000100	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.000200	< 0.000200 UJ	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-102D	GW-102D	GW-102D	GW-102D	GW-102D	GW-102D
		Sample Date	05/11/2021	05/10/2022	05/10/2022	05/16/2023	05/08/2024	05/05/2025
		Sample Type	N	N	FD	N	N	N
		Depth	53 - 58 ft	53 - 58 ft	53 - 58 ft	53 - 58 ft	53 - 58 ft	53 - 58 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result
VOCs								
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00
SVOCs								
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000200 UJ	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000200 UJ	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	0.00085 j	< 0.01	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200 UJ	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002 BU	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-102S	GW-102S	GW-102S	GW-102S	GW-102S
		Sample Date	05/11/2021	05/10/2022	05/16/2023	05/08/2024	05/05/2025
		Sample Type	N	N	N	N	N
		Depth	22.99 - 28 ft	22.99 - 28 ft	22.99 - 28 ft	22.99 - 28 ft	22.99 - 28 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2.00	< 2.00 HU	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2.00	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.000100	< 0.000200 UJ	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.000100	< 0.000200 UJ	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.000100	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.000200	< 0.000200 UJ	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK
		Sample Date	02/25/2021	02/25/2021	05/13/2021	05/13/2021	08/12/2021	08/12/2021	11/10/2021	11/10/2021	02/17/2022	02/17/2022	05/12/2022	05/12/2022	09/07/2022
		Sample Type	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs															
Benzene	ug/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	< 0.5
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0
Ethylbenzene	ug/L	700	< 1	< 1	< 1	< 1	< 1	< 1	0.21 j	0.2 j	< 1	< 1	< 1	< 1	< 2.0
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	< 1	< 1	0.21 j	0.85 j	0.93 j	< 1	< 1	< 1	< 1	
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	0.67 j	< 2	< 2	< 2	< 2	< 2	< 5.0
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	0.16 j	0.19 j	< 1	< 1	< 1	< 1	
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	0.11 j	0.11 j	< 2	< 2	< 2	< 2	< 2.0
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0
Xylene, Total	ug/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	1 j	1.1 j	< 2	< 2	< 2	< 2	< 4.0

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB

Qualifier Definition(s)

J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
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Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK
		Sample Date	09/08/2022	11/30/2022	11/30/2022	02/15/2023	02/15/2023	05/18/2023	05/18/2023	09/15/2023	10/25/2023	02/15/2024	05/10/2024	08/30/2024	11/22/2024
		Sample Type	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs															
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	0.46 Bj	0.78 j	< 2.00 BU	< 2.00 BU	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	0.16 j	< 2.00	1.3 j	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB

Qualifier Definition(s)

J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-
August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK
		Sample Date	02/26/2025	03/18/2025	05/08/2025	08/07/2025	08/18/2025
		Sample Type	TB	TB	TB	TB	TB
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	RJ	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	RJ	< 0.20
Ethylbenzene	ug/L	700	0.55	< 1.00	< 1.00	RJ	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	RJ	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	RJ	1.1 j
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	RJ	< 2.00
o-Xylene	ug/L	NS	0.39	< 1.00	< 1.00	RJ	< 1.00
Toluene	ug/L	1000	0.20	< 2.00	< 2.00	RJ	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	RJ	< 2.00
Xylene, Total	ug/L	10000	0.39	< 2.00	< 2.00	RJ	< 2.00

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to

Attachment D
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK
		Sample Date	09/08/2022	02/13/2024	05/08/2024	08/30/2024	11/19/2024	11/22/2024	02/24/2025	05/05/2025	08/04/2025
		Sample Type	EB	EB	EB	EB	EB	EB	EB	EB	EB
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs											
Benzene	ug/L	5	< 0.5	1.56	0.29 j	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2.0	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 2.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	NA	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	NA	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.0	< 2.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 4.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs											
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	RJ	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	RJ	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	RJ	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	RJ	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000100	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000100	< 0.000200	< 0.000200 UJ	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000100	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000100 UJ
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	RJ	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	RJ	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	RJ	< 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	RJ	< 0.000200	< 0.000200	< 0.000200 UJ
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	RJ	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	RJ	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	NA	< 0.000400	< 0.000400	0.00263 J+	< 0.000400	RJ	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	RJ	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/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 imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

ATTACHMENT E DATA VALIDATION SUMMARY

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MEMO

TO	Michael Abegg
FROM	Rachel James
DATE	2025-09-23
REFERENCE	0760991
SUBJECT	Data Review of Ameren Taylorville, 3Q25 Groundwater Monitoring Samples. Samples Collected August 4-7, 2025: Teklab, Inc., Data Package(s) 25080648R and 25081543.

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, if applicable.
- **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 rations, 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:	Preservation Evaluation
Table 3:	Calibration Verification Evaluation
Table 4:	Laboratory Blank Evaluation
Table 5:	Field Blank Evaluation
Table 6:	Laboratory Control Spike Evaluation
Table 7:	Surrogate Evaluation
Table 8:	Internal Standard Evaluation
Table 9:	Field Duplicate Evaluation
Table 10:	Professional Judgement 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.

- **25081543:** 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

All samples had only one final result reported for each analyte and method combination. All results are considered preferred.

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 2.

Sample preservation situations requiring additional professional judgement are detailed below.

- The non-detect volatile organic compound results for sample GW-19S-WG-20250805 agree with historical data; therefore, they are considered useable and were not rejected due to headspace present in the vial used for analysis. The reported non-detect results are estimated non-detects.

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 RRF limits (as applicable to the methods) for target analytes, with the exceptions and any necessary qualifications noted in Table 3.

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. The MS/MSD recoveries and RPDs indicate acceptable matrix-specific accuracy and precision. 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.

SURROGATE EVALUATION

The surrogate recoveries were within the laboratory limits of acceptance, with the exceptions and any necessary qualifications noted in Table 7. 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, with the exceptions and any necessary qualifications noted in Table 8.

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 ± two times the reporting limit for an aqueous matrix or ± 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.

RECALCULATION

All result recalculations performed agreed with reported results.

PROFESSIONAL JUDGEMENT EVALUATION

Using the validator's professional judgement, additional qualifiers, if needed, as noted in Table 10 were assigned for the following reasons.

- Sample Trip Blank from 25080648R was prepared in the lab after sample submission. The sample is not representative of the same trip/travel environment as the project samples and cannot be used to assess trip contamination.

OVERALL ASSESSMENT

Excluding rejected results, all data can be used for decision-making purposes; however, the limitation identified by the applied qualifier 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
3Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	VOCs (8260B)	SVOCs (8270C)
25080648R	GW-04R-20250807	25080648-001	Groundwater	8/7/2025	-	x	x
	GW-05-WG-20250804	25080648-002	Groundwater	8/4/2025	-	x	x
	GW-07-WG-20250806	25080648-003	Groundwater	8/6/2025	-	x	x
	GW-14-WG-20250806	25080648-004	Groundwater	8/6/2025	-	x	x
	GW-15-WG-20250806	25080648-005	Groundwater	8/6/2025	-	x	x
	GW-16S-WG-20250805	25080648-006	Groundwater	8/5/2025	-	x	x
	GW-16D-WG-20250805	25080648-007	Groundwater	8/5/2025	-	x	x
	GW-17-WG-20250805	25080648-008	Groundwater	8/5/2025	-	x	x
	GW-18S-WG-20250805	25080648-009	Groundwater	8/5/2025	-	x	x
	GW-18D-WG-20250805	25080648-010	Groundwater	8/5/2025	-	x	x
	GW-19S-WG-20250805	25080648-011	Groundwater	8/5/2025	-	x	x
	GW-19D-WG-20250805	25080648-012	Groundwater	8/5/2025	-	x	x
	GW-20-WG-20250804	25080648-013	Groundwater	8/4/2025	-	x	x
	GW-22S-WG-20250806	25080648-014	Groundwater	8/6/2025	-	x	x
	GW-22D-WG-20250806	25080648-015	Groundwater	8/6/2025	-	x	x
	DUP-001-WG-20250806	25080648-016	Groundwater	8/6/2025	GW-22S-WG-20250806	x	x
	DUP-002-WG-20250807	25080648-017	Groundwater	8/7/2025	GW-04R-20250807	x	x
	GW-26-WG-20250804	25080648-019	Groundwater	8/4/2025	-	x	x
	EQB-001-WQ-20250804	25080648-020	Water Quality	8/4/2025	-	x	x
	GW-20FF-WG-20250804	25080648-021	Groundwater	8/4/2025	-	x	x
	Trip Blank	25080648-022	Water Quality	8/7/2025	-	x	

Table 1
Sample Summary
3Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	VOCs (8260B)	SVOCs (8270C)
25081543	TB-001-WQ-20250818	25081543-001	Water Quality	8/18/2025	-	x	
	GW-25-WG-20250818	25081543-002	Groundwater	8/18/2025	-	x	x

Notes:
- = not applicable
x = Analysis completed
EQB = equipment blank
SVOCs = semivolatile organic compounds
TB = trip blank
VOCs = volatile organic compounds

Table 2
Preservation Evaluation
3Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Sample Condition	Preservation Requirement	Analyte	ERM Qualifier
25080648R	GW-19S-WG-20250805	8260B	Headspace present	No headspace	All	UJ
25081543	All	All	Cooler receipt temp = 12.1 °C	0 - 6 °C	None for qualification, cooler received on day of sample collection and were on ice	--

Notes:
°C = degrees Celsius
-- = not applicable; associated data not affected
UJ = non-detected, estimated report limit

Table 3
Calibration Verification Evaluation
3Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	ICV/CCV Sample ID	Analyte	ICV/CCV (%)	ICV/CCV RRF	Limits	Associated Sample	Result	Units	ERM Qualifier
25080648	CCV 8/8/2025 20:55	Indeno(1,2,3-cd)pyrene	-28 %D	--	± 25	GW-04R-20250807	0.00329	mg/L	J
						DUP-002-WG-20250807	0.00303	mg/L	J
						GW-26-WG-20250804	ND	mg/L	UJ
						EQB-001-WQ-20250804	ND	mg/L	UJ
		Dibenzo(a,h)anthracene	-35 %D	--	± 30	GW-04R-20250807	0.00217	mg/L	J
						DUP-002-WG-20250807	0.00205	mg/L	J
						GW-26-WG-20250804	ND	mg/L	UJ
						EQB-001-WQ-20250804	ND	mg/L	UJ
	CCV 8/11/2025 8:45	Indeno(1,2,3-cd)pyrene	-34 %D	--	± 25	None for qualification, analyte not reported from run	--	--	--
		Dibenzo(a,h)anthracene	-43 %D	--	± 30		--	--	--
25081543	CCV 8/20/2025 8:02	Indeno(1,2,3-cd)pyrene	27 %D	--	± 25	GW-25-WG-20250818	ND	mg/L	UJ
		Benzo(g,h,i)perylene	33 %D	--	± 30	GW-25-WG-20250818	ND	mg/L	UJ

Notes:
-- = not applicable; associated data not affected
CCV = continuing calibration verification
ICV = initial calibration verification
J = estimated detected result
mg/L = milligrams per liter
ND = not detected
RRF = relative response factor
r^2 = correlation coefficient
UJ = non-detected, estimated report limit

Table 4
Laboratory Blank Evaluation
3Q25 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
25080648R	MBLK-AM250808A-1	Toluene	0.1	2.0	None for qualification, associated samples ND	--	--	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
3Q25 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
25081543	TB-001-WQ-20250818	Methylene chloride	1.1	2.0	None for qualification, sample ND	--	--	µg/L	--

Notes:
-- = not applicable; associated data not affected
Conc. = concentration
µg/L = micrograms per liter
ND = not detected
RL = reporting limit
TB = trip blank

Table 6
Laboratory Control Spike Evaluation
3Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
25080648R	LCS-243146 LCSD-243146	None for qualification, one recovery passes	Benzo(b)fluoranthene	Pass/112.3	54.9-109	Pass	34.5	--	--	--
			Dibenzo(a,h)anthracene	Pass/126.1	50.8-126	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
Surrogate Evaluation
3Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Surrogate	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
25080648R	GW-18D-WG-20250805	8270C	2,4,6-Tribromophenol	165.5	31.7-161	None for qualification, associated analytes ND	1	--
	GW-19D-WG-20250805			164.6				

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

Table 8
Internal Standard Evaluation
3Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Internal Standard	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
25080648	GW-04R-20250807	8270C	Phenanthrene-d10	0	NR	None for qualification, associated analytes not reported from run	500	--

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

Table 9
Field Duplicate Evaluation
3Q25 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					
25080648R	GW-22S-WG-20250806/ DUP-001-WG-20250806	Bis(2-ethylhexyl)phthalate	0.00580	ND[1]	0.00400	0.00200	mg/L	0.00380	--	0.00400	--
	GW-04R-20250807/ DUP-002-WG-20250807	Acenaphthene	0.0178	0.0176	0.00500	0.00500	mg/L	0.0002	--	0.01000	--
		Acenaphthylene	0.0136	0.0144	0.00500	0.00500	mg/L	0.0008	--	0.01000	--
		Anthracene	0.00387	0.00335	0.000300	0.000300	mg/L	--	14	30	--
		Benzo(a)anthracene	0.00776	0.00623	0.00500	0.00500	mg/L	0.00153	--	0.01000	--
		Benzo(b)fluoranthene	0.0090	0.0074	0.0100	0.0100	mg/L	--	--	NA	--
		Benzo(g,h,i)perylene	0.00258	0.00232	0.000200	0.000200	mg/L	--	11	30	--
		Benzo(k)fluoranthene	0.00301	0.00266	0.000200	0.000200	mg/L	--	12	30	--
		Chrysene	0.0147	0.0133	0.0100	0.0100	mg/L	0.0014	--	0.0200	--
		Dibenzo(a,h)anthracene	0.00217	0.00205	0.000200	0.000200	mg/L	--	5.7	30	--
		Fluoranthene	0.0321	0.0298	0.0150	0.0150	mg/L	0.0023	--	0.0300	--
		Fluorene	0.0811	0.0782	0.0100	0.0100	mg/L	--	3.6	30	--
		Indeno(1,2,3-cd)pyrene	0.00329	0.00303	0.000200	0.000200	mg/L	--	8.2	30	--
		m,p-Cresol	0.0025	0.0022	0.010	0.010	mg/L	--	--	NA	--
		Naphthalene	0.529	0.481	0.200	0.200	mg/L	0.048	--	0.400	--
		Phenanthrene	0.133	0.127	0.0300	0.0300	mg/L	0.006	--	0.0600	--
		Pyrene	0.0235	0.0210	0.0100	0.0100	mg/L	0.0025	--	0.0200	--
		Benzene	751	726	10.0	10.0	µg/L	--	3.4	30	--
		Ethylbenzene	269	259	20.0	20.0	µg/L	--	3.8	30	--
		m,p-Xylenes	85.6	82.4	20.0	20.0	µg/L	3.2	--	40.0	--
		Naphthalene	816	806	40.0	40.0	µg/L	--	1.2	30	--
		o-Xylene	179	171	20.0	20.0	µg/L	--	4.6	30	--
		Toluene	146	139	40.0	40.0	µg/L	7	--	80.0	--
		Xylenes, Total	265	254	40.0	40.0	µg/L	--	4.2	30	--

Notes:
-- = not applicable; associated data not affected
AbD = absolute difference
µg/L = micrograms per liter
mg/L = milligrams per liter
NA = not applicable
ND[1] = the report limit was used for comparison purposes
RPD = relative percent difference

Table 10
Professional Judgement Evaluation
3Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Analyte	Reason	ERM Qualifier
25080648R	Trip Blank	8260B	All	Sample Trip Blank from 25080648R was prepared in the lab after sample submission. The sample is not representative of the same trip/travel environment as the project samples and cannot be used to assess trip contamination.	R

Notes:
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria.