July 14, 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 Second 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.

Second Quarter 2025 – Events

- Second quarter 2025 groundwater samples collected in May 2025 (results attached).
- Second quarter 2025 pump and treat system samples (results attached).
- Carbon changeout of north vessel completed on April 4, 2025.
- Fence repairs on the parent parcel were completed on April 24, 2025.

Third Quarter 2025 – Plans

- Collect third quarter groundwater samples in August.

Problems Encountered or Anticipated Problems

Aside from the temporary shutdown of the treatment system on May 16-17, 2025, due to a storm-related power outage, we have not encountered and do not anticipate any other abnormal operational or maintenance problems.

We have treated 1,406,534,999 gallons of groundwater through the system since startup until the end of June 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 and ESG Services
Environmental Strategy & Analysis
Ameren Services

Attachments

Attachments

Pumping Summary and Treatment Plant Results (April - June)

Monitoring Well Location Map

Year 2025 Quarter 2 Groundwater Sampling Results

MGP Pump & Treat System Summary
Taylorville, Illinois
April 2025

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Apr-25					
1	4,844,315	54,415	West	NM (1)	46
2	4,898,730	47,348	West	NM (1)	40
3	4,946,078	55,617	West	NM (1)	36
4	5,001,695	4,573	West	NM (1)	42
5	5,006,268	62,049	West	NM (1)	44
6	5,068,317	63,766	West	NM (1)	46
7	5,132,083	58,621	West	NM (1)	46
8	5,190,704	57,585	West	NM (1)	46
9	5,248,289	47,577	West	NM (1)	46
10	5,295,866	62,455	West	NM (1)	46
11	5,358,321	43,982	West	NM (1)	42
12	5,402,303	64,438	West	NM (1)	44
13	5,466,741	74,572	West	NM (1)	43
14	5,541,313	61,895	West	NM (1)	44
15	5,603,208	53,918	West	NM (1)	42
16	5,657,126	23,056	West	NM (1)	44
17	5,680,182	56,666	West	NM (1)	44
18	5,736,848	65,028	West	NM (1)	45
19	5,801,876	55,023	West	NM (1)	45
20	5,856,899	72,696	West	NM (1)	44
21	5,929,595	48,294	West	NM (1)	43
22	5,977,889	43,323	West	NM (1)	42
23	6,021,212	25,563	West	NM (1)	42
24	6,046,775	75,473	West	NM (1)	42
25	6,122,248	46,249	West	NM (1)	40
26	6,168,497	67,587	West	NM (1)	42
27	6,236,084	62,173	West	NM (1)	42
28	6,298,257	52,265	West	NM (1)	42
29	6,350,522	47,002	West	NM (1)	42
30	6,397,524	24,562	West	NM (1)	42
May-25	6,422,086			NM (1)	42

(1) Not measured - RW abandoned

Flow Data	**Gallons**
For Month	1,577,771
To Pond	1,577,771
Below Pond	-
Average	52,592
Maximum	75,473
Minimum	4,573
Total Through March	1,401,471,660
Total Through April	1,403,049,431

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	4/4/2025	None	
Cleaned Effluent Backwash Storage	None	None	
Back Washed Vessels	4/1/2025, 4/4/2025	4/22/2024	
Changed Bag Filters	**North**	**Middle**	**South**
	4/3/2025	4/3/2025	4/3/2025
	4/10/2025	4/10/2025	4/10/2025
	4/17/2025	4/17/2025	4/17/2025
	4/23/2025	4/23/2025	4/23/2025

Drum Disposal None

Notes:
Carbon Changeout on North vessel 4/4/2025. South Vessel switched to lead.

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
April 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	4/2/2025		4/9/2025		4/16/2025		4/23/2025		4/30/2025		Average	Maximum	
Lab pH		-	-	-	6.98	H	7.16	H	7.01	H	6.98	H	6.94	H	7.01	7.16	H
Iron, Dissolved	mg/L	-	-	-	ND		0.3110		0.0798		0.0200	J	ND		0.1369	0.311	
Iron, Total	mg/L	-	-	-	1.01		1.08		0.997		1.09		0.926		1.02	1.09	
Acenaphthene	mg/L	-	-	0.42	0.00538		0.0091		0.0132		0.00462		0.0042		0.00730	0.01320	
Acenaphthylene	mg/L	-	-	-	0.000982		0.00137		0.00362		0.00056		0.00064		0.00144	0.00362	
Anthracene	mg/L	-	-	2.1	0.00185		0.00232		0.00302		0.00231		0.00176		0.00225	0.00302	
Benzo(a)anthracene	mg/L	-	-	0.00013	0.000111		0.000117		**0.000155**		**0.000489**		0.000128		**0.000200**	**0.000489**	
Benzo(a)pyrene	mg/L	-	-	0.00023	ND		ND		ND		0.000358		ND		0.000358	0.000358	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		0.000412		ND		0.000412	0.000412	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		0.00019	J	ND		0.00019	0.00019	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		0.00013	J	ND		0.00013	0.00013	
Chrysene	mg/L	-	-	-	ND		0.00013	J	0.00017	J	0.000397		ND		0.000232	0.000397	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00183		0.00013	J	0.00262		0.00284		0.00174		0.00183	0.00284	
Fluorene	mg/L	-	-	-	0.00435		0.00013	J	0.00749		0.00455		0.00349		0.00400	0.00749	
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	ND		0.0015	J	0.00086	J	0.00097	J	ND		0.0011	0.0015	J
Phenanthrene	mg/L	-	-	-	0.0059	J	0.0095		0.0121		0.00490		0.00325		0.0071	0.0121	
Pyrene	mg/L	-	-	-	0.00222		0.00258		0.00324		0.00305		0.00203		0.00262	0.00324	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0226		0.0337		0.0456		0.0248		0.0172		0.0288	0.0456	
Benzene	µg/L	-	-	5	**78.2**		**77.5**		**68.9**		**67.0**		**62.7**		**70.9**	**78.2**	
Ethylbenzene	µg/L	-	-	700	33.2		33.2		27.2		23.7		24.0		28.26	33.20	
m,p-Xylenes	µg/L	-	-	-	26.4		26.7		22.9		22.8		23.0		24.36	26.70	
Naphthalene	µg/L	-	-	25	**197**		**180**		**169**		**148**		**143**		**167**	**197**	
o-Xylene	µg/L	-	-	-	14.9		15.3		13.1		13.2		13.3		14.0	15.3	
Toluene	µg/L	-	-	1000	60.6		55.1		48.0		39.9		42.2		49.2	60.6	
Xylenes, Total	µg/L	-	-	10000	41.3		42.0		36.0		36.0		36.3		38.3	42.0	

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

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	4/2/2025		4/9/2025		4/16/2025		4/23/2025		4/30/2025		Average	Maximum	
Lab pH		-	-	-	6.99	H	7.17	H	7.06	H	6.99	H	6.98	H	7.04	7.17	H
Iron, Dissolved	mg/L	-	-	-	ND		ND	J	0.020	J	0.034	J	0.022	J	0.025	0.034	J
Iron, Total	mg/L	-	-	-	0.0516		0.0779		ND		0.0474		0.0417		0.0547	0.0779	
Acenaphthene	mg/L	-	-	-	ND		ND		ND		ND		0.000093	J	0.000093	0.000093	J
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	-	-	1.6		ND		0.1	J	ND		ND		0.9	1.6	
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		0.7		0.7		ND		0.7	0.7	
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
April 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	4/2/2025		4/9/2025		4/16/2025		4/23/2025		4/30/2025		Average	Maximum	
Lab pH		-	-	-	7.07	H	6.80	H	7.09	H	6.92	H	7.00	H	6.97	7.09	H
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND		ND		ND		0.020	J	ND		0.020	0.020	J
Acenaphthene	mg/L	-	0.0608	-	ND		ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	0.0023	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	0.001	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		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		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND	S	ND		ND		ND		ND		ND	ND	S
o-Cresol	mg/L	-	1.9	-	ND	S	ND		ND	S	ND		ND		ND	ND	S
Phenanthrene	mg/L	-	0.01	-	ND		ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	50	-	ND		ND		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	S	ND		ND	ND	S
Toluene	µg/L	70	750	-	ND		ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	117	750	-	ND		ND		ND		ND	S	ND		ND	ND	S

ND=Not detected above the project acceptable detection limit
J = Estimated concentration
S=MS/MSD recovery outside control limits
SR= Surrogate recovery outside control limits

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	4/2/2025	4/9/2025	4/16/2025	4/23/2025	4/30/2025	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 B	ND	ND	ND	ND B
Xylenes, Total	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND

ND=Not detected above the project acceptable detection limit
B= Detected in associated method blank

MGP Pump & Treat System Summary
Taylorville, Illinois
May 2025

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
May-25					
1	6,422,086	83,919	West	NM (1)	42
2	6,506,005	93,317	West	NM (1)	43
3	6,599,322	18,501	West	NM (1)	43
4	6,617,823	65,543	West	NM (1)	44
5	6,683,366	74,225	West	NM (1)	43
6	6,757,591	51,508	West	NM (1)	44
7	6,809,099	29,211	West	NM (1)	44
8	6,838,310	69,214	West	NM (1)	46
9	6,907,524	54,452	West	NM (1)	44
10	6,961,976	58,163	West	NM (1)	44
11	7,020,139	64,733	West	NM (1)	45
12	7,084,872	49,803	West	NM (1)	45
13	7,134,675	44,315	West	NM (1)	46
14	7,178,990	27,737	West	NM (1)	46
15	7,206,727	75,683	West	NM (1)	46
16	7,282,410	1,722	West	NM (1)	45
17	7,284,132	70,705	West	NM (1)	45
18	7,354,837	89,032	West	NM (1)	44
19	7,443,869	60,589	West	NM (1)	44
20	7,504,458	65,664	West	NM (1)	46
21	7,570,122	42,354	West	NM (1)	46
22	7,612,476	53,320	West	NM (1)	48
23	7,665,796	70,191	West	NM (1)	48
24	7,735,987	59,398	West	NM (1)	44
25	7,795,385	50,663	West	NM (1)	44
26	7,846,048	61,375	West	NM (1)	44
27	7,907,423	44,684	West	NM (1)	45
28	7,952,107	24,704	West	NM (1)	45
29	7,976,811	59,967	West	NM (1)	42
30	8,036,778	54,610	West	NM (1)	45
31	8,091,388	58,294	West	NM (1)	45
Jun-25	8,149,682		West	NM (1)	46

(1) Not measured - RW abandoned

Flow Data	**Gallons**
For Month	1,727,596
To Pond	1,021,783
Below Pond	705,813
Average	55,729
Maximum	93,317
Minimum	1,722
Total Through April	1,403,049,431
Total Through May	1,404,777,027

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None	None	
Back Washed Vessels	None	None	
Changed Bag Filters	**North**	**Middle**	**South**
	5/1/2025	5/1/2025	5/1/2025
	5/8/2025	5/8/2025	5/8/2025
	5/15/2025	5/15/2025	5/15/2025
	5/22/2025	5/22/2025	5/22/2025
	5/29/2025	5/29/2025	5/29/2025
Drum Disposal	None		

Note:
Power to system lost on 5/16/2025 due to storm. Power restored 5/17/2025.

On 5/18/2025 effluent discharge was diverted to below pond at request of neighboring property owner (algae treatment in pond).

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
April 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	5/7/2025		5/14/2025		5/21/2025		5/28/2025		Average	Maximum	
Lab pH		-	-	-	7.02	H	7.06	H	7.03	H	6.97	H	7.02	7.06	H
Iron, Dissolved	mg/L	-	-	-	0.418		0.053		0.181		0.315		0.242	0.418	
Iron, Total	mg/L	-	-	-	0.938		1.11		0.962		0.951		0.990	1.110	
Acenaphthene	mg/L	-	-	0.42	0.00375		0.00368		0.01130		0.00662		0.00634	0.01130	
Acenaphthylene	mg/L	-	-	-	0.000395		0.000287		0.00371		0.000903		0.001324	0.00371	
Anthracene	mg/L	-	-	2.1	0.00146		0.00208		0.00265		0.00206		0.00206	0.00265	
Benzo(a)anthracene	mg/L	-	-	0.00013	0.000098	J	**0.000191**		**0.000156**		**0.000133**		0.000145	**0.000191**	
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	-	-	-	ND		0.00016	J	0.00013	J	ND		0.00015	0.00016	J
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00141		0.00244		0.00200		0.00179		0.00191	0.00244	
Fluorene	mg/L	-	-	-	0.00301		0.00386		0.00650		0.00436		0.00443	0.00650	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	0.35	0.00064	J	ND		0.00074	J	0.00180	J	0.00106	0.00180	J
Phenanthrene	mg/L	-	-	-	0.00288		0.0024		0.0131		0.00558		0.00599	0.0131	
Pyrene	mg/L	-	-	-	0.00164		0.00276		0.00247		0.00215		0.00226	0.00276	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0146		0.0179		0.0420		0.0236		0.0245	0.0420	
Benzene	µg/L	-	-	5	**71.1**		**62.3**		**70.6**		**62.6**		66.7	**71.1**	
Ethylbenzene	µg/L	-	-	700	28.0		21.6		33.5		24.3		26.9	33.5	
m,p-Xylenes	µg/L	-	-	-	25.5		22.1		21.8		17.9		21.8	25.5	
Naphthalene	µg/L	-	-	25	**163**		**136**		**171**		**129**		**150**	**171**	
o-Xylene	µg/L	-	-	-	14.7		12.7		12.1		10.2		12.4	14.7	
Toluene	µg/L	-	-	1000	49.8		38.7		56.8		40.9		46.6	56.8	
Xylenes, Total	µg/L	-	-	10000	40.1		34.8		33.9		28.0		34.2	40.1	

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

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	5/7/2025		5/14/2025		5/21/2025		5/28/2025		Average	Maximum	
Lab pH		-	-	-	6.98	H	6.99	H	7.11	H	6.99	H	7.02	7.11	H
Iron, Dissolved	mg/L	-	-	-	ND		ND		0.0549		0.028	J	0.0415	0.0549	
Iron, Total	mg/L	-	-	-	0.039	J	0.275		0.0962		0.039	J	0.1123	0.275	
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		ND		0.2	J	0.2	0.2	J
Ethylbenzene	µg/L	-	-	-	ND		ND		ND		0.1	J	0.1	0.1	J
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		0.4	J	0.4	0.4	J
Naphthalene	µg/L	-	-	-	ND		ND		0.7		ND		0.7	0.7	
o-Xylene	µg/L	-	-	-	ND		ND		ND		0.2	J	0.2	0.2	J
Toluene	µg/L	-	-	-	ND		ND		ND		0.2	J	0.2	0.2	J
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		0.6	J	0.6	0.6	J

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

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
April 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	5/7/2025		5/14/2025		5/21/2025		5/28/2025		Average	Maximum	
Lab pH		-	-	-	7.03	H	7.00	H	7.24	H	6.96	H	7.06	7.24	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	R	ND		ND		ND		ND	ND	R
Acenaphthylene	mg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	R
Anthracene	mg/L	-	0.0023	-	ND	R	ND		ND		ND		ND	ND	R
Benzo(a)anthracene	mg/L	-	0.001	-	ND	R	ND		ND		ND		ND	ND	R
Benzo(a)pyrene	mg/L	-	0.0005	-	ND	R	ND		ND		ND		ND	ND	R
Benzo(b)fluoranthene	mg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	R
Benzo(g,h,i)perylene	mg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	R
Benzo(k)fluoranthene	mg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	R
Chrysene	mg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	R
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	R
Fluoranthene	mg/L	0.053	0.398	-	ND	R	ND		ND		ND		ND	ND	R
Fluorene	mg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	R
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	R
m,p-Cresol	mg/L	-	1.9	-	ND	S	ND	S	ND		ND		ND	ND	S
o-Cresol	mg/L	-	1.9	-	ND	S	ND	S	ND		ND		ND	ND	S
Phenanthrene	mg/L	-	0.01	-	ND	R	ND		ND		ND		ND	ND	R
Pyrene	mg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	R
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	50	-	ND		ND		ND		ND	SR	ND	ND	SR
Ethylbenzene	µg/L	17	216	-	ND		ND		ND		ND	SR	ND	ND	SR
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND	SR	ND	ND	SR
Naphthalene	µg/L	-	670	-	ND		0.6		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND	SR	ND	ND	SR
Toluene	µg/L	70	750	-	ND		ND		ND		ND	SR	ND	ND	SR
Xylenes, Total	µg/L	117	750	-	ND		ND		ND		ND	SR	ND	ND	SR

ND=Not detected above the project acceptable detection limit
J = Estimated concentration
S=MS/MSD recovery outside control limits
SR= Surrogate recovery outside control limits
H = Holding times exceeded

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	5/7/2025	5/14/2025	5/21/2025	5/28/2025	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
B= Detected in associated method blank

MGP Pump & Treat System Summary
Taylorville, Illinois
June 2025

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Jun-25					
1	8,149,682	64,858	West	NM (1)	46
2	8,214,540	38,917	West	NM (1)	47
3	8,253,457	51,143	West	NM (1)	47
4	8,304,600	26,100	West	NM (1)	47
5	8,330,700	57,067	West	NM (1)	78
6	8,387,767	78,589	West	NM (1)	45
7	8,466,356	43,246	West	NM (1)	46
8	8,509,602	89,041	West	NM (1)	46
9	8,598,643	70,743	West	NM (1)	43
10	8,669,386	69,614	West	NM (1)	44
11	8,739,000	39,261	West	NM (1)	44
12	8,778,261	79,831	West	NM (1)	45
13	8,858,092	50,871	West	NM (1)	45
14	8,908,963	73,083	West	NM (1)	45
15	8,982,046	81,375	West	NM (1)	45
16	9,063,421	56,654	West	NM (1)	46
17	9,120,075	50,341	West	NM (1)	46
18	9,170,416	26,621	West	NM (1)	46
19	9,197,037	57,190	West	NM (1)	46
20	9,254,227	72,517	West	NM (1)	44
21	9,326,744	53,038	West	NM (1)	46
22	9,379,782	80,997	West	NM (1)	42
23	9,460,779	49,604	West	NM (1)	46
24	9,510,383	43,590	West	NM (1)	46
25	9,553,973	22,561	West	NM (1)	46
26	9,576,534	73,419	West	NM (1)	46
27	9,649,953	46,122	West	NM (1)	45
28	9,696,075	65,791	West	NM (1)	45
29	9,761,866	134,070	West	NM (1)	45
30	9,895,936	11,718	West	NM (1)	45
Jul-26	9,907,654				

(1) Not measured - RW abandoned

Flow Data	**Gallons**
For Month	1,757,972
To Pond	
Below Pond	1,757,972
Average	58,599
Maximum	134,070
Minimum	11,718
Total Through May	1,404,777,027
Total Through June	1,406,534,999

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None	None	
Back Washed Vessels	None	6/8/2025	
Changed Bag Filters	**North**	**Middle**	**South**
	6/5/2025	6/5/2025	6/5/2025
	6/12/2025	6/12/2025	6/12/2025
	6/19/2025	6/19/2025	6/19/2025
	6/26/2025	6/26/2025	6/26/2025
Drum Disposal	None		

Notes:

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
June 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	6/4/2025		6/11/2025		6/18/2025		6/25/2025		Average	Maximum	
Lab pH		-	-	-	6.95	H	7.06	H	7.24	H	7.04	H	7.07	7.24	H
Iron, Dissolved	mg/L	-	-	-	0.144		0.319		0.0928		ND		0.185	0.319	
Iron, Total	mg/L	-	-	-	1.00		0.961		0.921		0.864		0.937	1.000	
Acenaphthene	mg/L	-	-	0.42	0.00894		0.0072		0.00872		0.00458		0.00736	0.00894	
Acenaphthylene	mg/L	-	-	-	0.00203		0.000878		0.00191		0.000349		0.001292	0.00203	
Anthracene	mg/L	-	-	2.1	0.00257		0.00269		0.00299		0.00197		0.00256	0.00299	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000130**		**0.000146**		**0.000135**		0.000100	J	0.000128	**0.000146**	
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	-	-	-	ND		0.00014	J	0.00013	J	ND		0.00014	0.00014	J
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00196		0.00231		0.00214		0.00174		0.00204	0.00231	
Fluorene	mg/L	-	-	-	0.00461		0.0044		0.00491		0.00372		0.00441	0.00491	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	0.35	0.00073	J	0.0027	J	0.00055	J	0.00130	J	0.00132	0.00270	J
Phenanthrene	mg/L	-	-	-	0.00741		0.00480		0.00725		ND		0.00649	0.00741	
Pyrene	mg/L	-	-	-	0.00241		0.00276		0.00254		0.00203		0.00244	0.00276	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0301		0.0253		0.0307		0.0145		0.0252	0.0307	
Benzene	µg/L	-	-	5	**61.9**		**65.2**		**50.3**		**49.4**		56.7	**65.2**	
Ethylbenzene	µg/L	-	-	700	19.3		27.2		21.7		20.1		22.1	27.2	
m,p-Xylenes	µg/L	-	-	-	17.7		22.9		19.1		18.1		19.5	22.9	
Naphthalene	µg/L	-	-	25	**108**		**162**		**152**		**134**		139	**162**	
o-Xylene	µg/L	-	-	-	10.2		13.2		11.4		11		11.5	13.2	
Toluene	µg/L	-	-	1000	35.4		51.4		35.4		31.4		38.4	51.4	
Xylenes, Total	µg/L	-	-	10000	28		36.1		30.4		29.1		30.9	36.1	

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

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	6/4/2025		6/11/2025		6/18/2025		6/25/2025		Average	Maximum	
Lab pH		-	-	-	6.93	H	6.97	H	6.98	H	7.26	H	7.04	7.26	H
Iron, Dissolved	mg/L	-	-	-	ND		ND		0.032	J	0.020	J	0.026	0.032	J
Iron, Total	mg/L	-	-	-	0.0439		0.0210	J	0.0452		0.0439		0.0385	0.0452	
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		0.6		0.4	J	0.4	J	0.5	0.6	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		0.9		ND		ND		0.9	0.9	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND	0.0	
Toluene	µg/L	-	-	-	ND		ND		ND		ND		ND	0.0	
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND	0.0	

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

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
June 2025

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	6/4/2025		6/11/2025		6/18/2025		6/25/2025		Average	Maximum	
Lab pH		-	-	-	6.99	H	6.98	H	7.16	H	7.02	H	7.04	7.16	H
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND		ND		ND		ND		ND	ND	
Acenaphthene	mg/L	-	0.0608	-	ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	0.0023	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	0.001	-	ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND	R	ND	ND	R
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND	R	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	R	ND	ND	R
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	R	ND	ND	R
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	S	ND		ND		ND	ND	S
Toluene	µg/L	70	750	-	ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	117	750	-	ND		ND	S	ND		ND		ND	ND	S

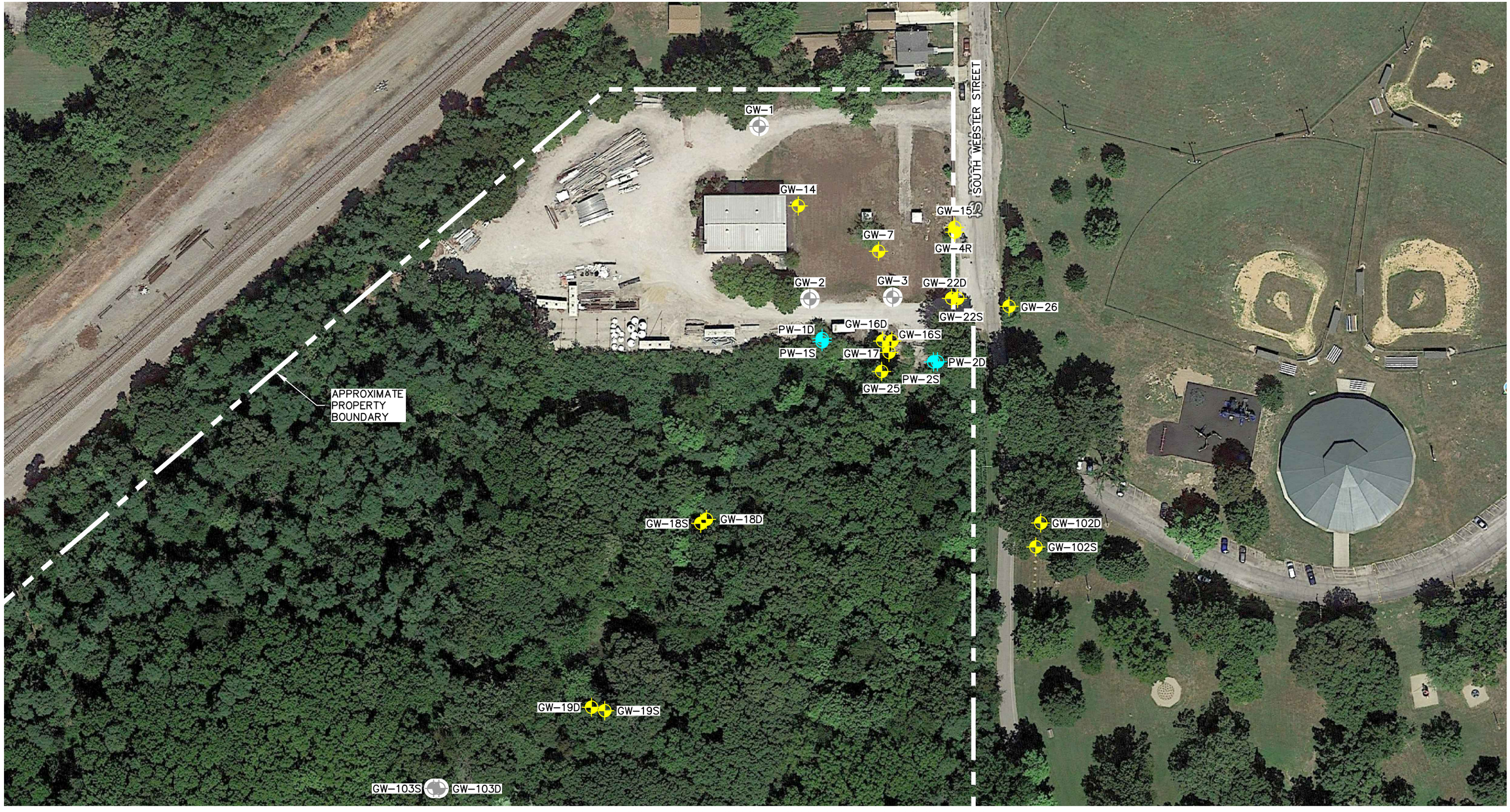
ND=Not detected above the project acceptable detection limit
J = Estimated concentration
R=RPD outside acceptable recovery limits
S=MS/MSD recovery outside control limits
H = Holding times exceeded

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	6/4/2025	6/11/2025	6/18/2025	6/25/2025	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
B= Detected in associated method blank

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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F +1 314 754 8121

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
09 July 2025

SUBJECT
Year 2025 Quarter 2 Annual Groundwater Sampling Results
Former MGP Site – Taylorville, Illinois

REFERENCE
0760991

Dear Mr. Martin:

Environmental Resources Management, Inc. (ERM) has completed the second quarter 2025 annual 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 5 May through 8 May 2025.

METHODOLOGY

During second quarter 2025 annual groundwater sampling event, groundwater samples were collected from 20 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 five (5) 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 5 May 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 15 of the 20 monitoring wells sampled during the second quarter 2025 annual sampling event using a dedicated bladder pump installed in the middle of the well screen. Dedicated tubing from the bladder pumps was connected to disposable polyethylene tubing (3/8-inch inner diameter by 1/2-inch outer diameter), which was subsequently connected to the water quality meter (YSI) flow-through cell. During purging, field parameters: pH, specific conductivity (SC), dissolved oxygen (DO), temperature, oxidation reductive potential (ORP), and turbidity were

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

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

Monitoring wells GW-4R and GW-20, and annual monitoring wells GW-101S, GW-102S, and GW-102D, were sampled and purged using the dedicated bailers installed in these wells. The bailer was lowered to the bottom of the well screen and retrieved to collect groundwater. During purging, the field parameters: pH, SC, DO, temperature, ORP and turbidity (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.

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

Turbid groundwater has been historically observed during purging and sampling of monitoring well GW-20. To determine if the turbidity has potentially biased historically observed PAH concentrations in samples collected from this monitoring well, an additional field-filtered sample (GW-20FF-WG-20250506) 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 three (3) duplicates, one (1) matrix spike and matrix spike duplicate (MS/MSD), one (1) equipment blank and one (1) trip blank. Blind duplicate samples were collected from monitoring wells GW-4R, GW-7 and GW-22S. These samples are identified on the chain-of-custody and analytical report as DUP-001 (GW-7), DUP-002 (GW-22S), and DUP-003 (GW-4R).

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 Unites States Environmental Protection Agency (USEPA) 1992 Record of Decision (ROD) for the Site. The COCs for

the Site are composed of select volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs). VOCs were analyzed by USEPA Method 8260B and PAHS were analyzed by USEPA Method 8270C. All laboratory analytical reports and accompanying Level 4 Data Packages were provided by Teklab. The Level 4 Data Packages were requested to evaluate analytical data and determine usability, including analytical data results, quality control, and sample handling information.

GROUNDWATER MONITORING RESULTS

GROUNDWATER LEVELS

The measured depth to groundwater (DTW) from the monitoring wells during the second quarter 2025 annual groundwater sampling event ranged from 3.41 to 24.51 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 42 feet below ground surface (bgs) on 5 May 2025, which correlates to an elevation of approximately 577 feet above mean sea level (AMSL). For comparison, the measured groundwater elevation at nearby monitoring well GW-7 is 599.38 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 5 May 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 second quarter 2025 annual groundwater sampling event for compliance with quality assurance/quality control (QA/QC) requirements and method-prescribed criteria for review of holding time and sample preservation, blank samples, spike samples, surrogate spikes, and duplicate samples.

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

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

ANALYTICAL RESULTS

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

Of the 20 monitoring wells sampled during the second quarter 2025 groundwater sampling event, samples at five (5) monitoring wells contained exceedances of Site CUOs.

Site Monitoring Wells

GW-4R

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

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

GW-7

Benzo(a)anthracene and bis(2-ethylhexyl)phthalate were detected in the 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.

GW-14

Bis(2-ethylhexyl)phthalate were detected in the primary sample collected at GW-14 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, GW-26, GW-101S, GW-102S, and GW-102D. These groundwater samples did not have any exceedances of the CUOs, with three (3) exceptions discussed below.

GW-16D and GW-18S

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

GW-20

Consistent with previous quarterly groundwater sampling events, PAHs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene and indeno(1,2,3-cd)pyrene were detected at concentrations exceeding the CUOs from the unfiltered groundwater sample collected from GW-20.

GW-20, which is about 1,000 feet south from the Site, is the furthest monitoring well downgradient from the Site and screened at a shallow interval (approximately 4.5 to 9.5 feet bgs). Since samples collected from monitoring wells located between GW-20 and the Site have not historically contained detections of these PAHs, and due to the low solubility of the detected compounds, it is unlikely that the PAHs from the sample collected at GW-20 are related to the former MGP site. These impacts are attributed to background PAHs in the soil surrounding GW-20. Due to the high turbidity (741 NTU) in the unfiltered samples, the laboratory analysis detected background PAHs, which are attributed to the suspended solids rather than dissolved PAHs in the groundwater.

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

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 typically 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 second quarter 2025 annual groundwater sampling event at the Site from 5 May through 8 May 2025. Samples and groundwater level measurements were collected from 20 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-14, GW-16D, and GW-18S 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 groundwater sample collected from GW-20 contained detections of PAHs above CUOs. However, these PAHs are not expected to be related to the former MGP site due to the distance from the Site and lack of PAH detections in samples collected from monitoring wells between the Site and GW-20. Rather, these detections of PAHs are likely biased high due to high turbidity measurements (741 NTU) observed in the sample. In the unfiltered analysis, the laboratory analysis detected PAHs as suspended solids rather than dissolved PAHs in the groundwater. To verify turbidity as the source of the PAHs at this well, a filtered groundwater sample (GW-20FF) was also collected from GW-20. PAHs were not detected above laboratory reporting limits in the field filtered sample which supports the assumption that historically observed PAHs in unfiltered samples collected from GW-20 reflect PAHs from suspended solids rather than dissolved PAHs in the groundwater and are not related to the former MGP site.

These findings from filtered and unfiltered samples collected from GW-20 are consistent with the findings of the first quarter 2025 groundwater monitoring event conducted 24 through 26 February 2025. Additionally, it should be noted that VOCs, which are generally more mobile than PAHs, have not historically been detected above laboratory reporting limits in groundwater samples collected from GW-20.

Because of the turbidity issue noted above, ERM proposes to collect field filtered samples from GW-20 during future sampling events so that the groundwater results are not biased from the suspended solids.

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

Sincerely,



Michael Abegg, RG (MO)
Senior Consultant

Jarred Schmidt
Principal Consultant

Dan Wilkens, PG
Partner

TABLE OF CONTENTS

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

\\SCUSPRDGISFS01\Data\US\Projects\A-C\Ameren\Taylorville_IL_MXD\2024_Q4_GWMNQ4_GW_Figures.aprx

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
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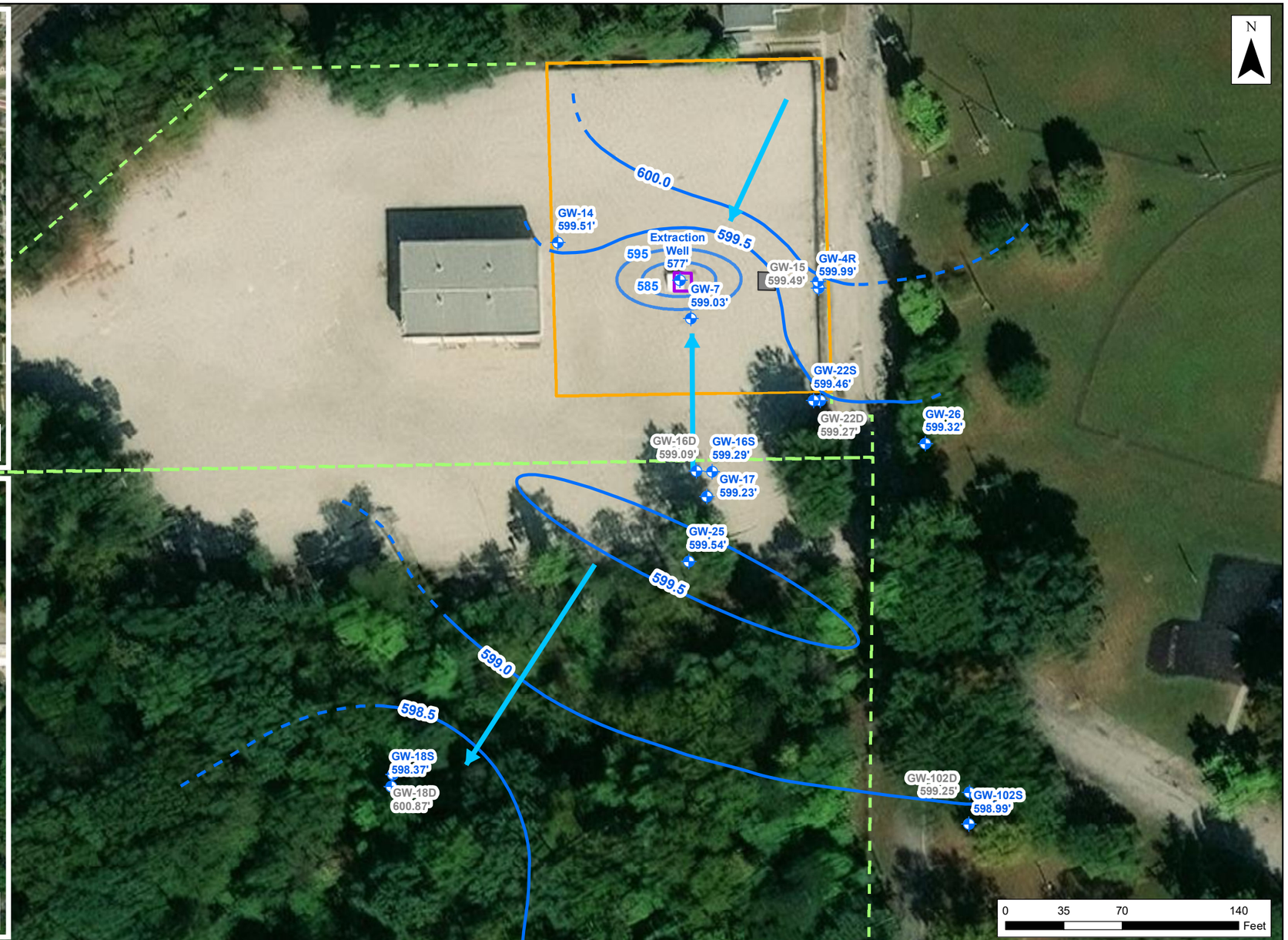

Legend

- 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-16D, GW-18D, GW-19D, GW-22D and GW-102D were not used for contouring.
2. Groundwater elevation for West Extraction Well was measured at 577 ft. on May 5, 2025.
3. Depths to groundwater were measured May 5, 2025.
4. Aerial Imagery: Esri - World Topoographic Map

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

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

Environmental Resources Management
www.erm.com

ATTACHMENT A ANALYTICAL LAB REPORT

May 16, 2025

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

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

RE: Ameren Taylorville 2nd Qtr 2025 **WorkOrder:** 25050776

Dear Michael Abegg:

TEKLAB, INC received 26 samples on 5/8/2025 12:45:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

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

Report Contents

http://www.teklabinc.com/

Client: ERM
Work Order: 25050776
Client Project: Ameren Taylorville 2nd Qtr 2025
Report Date: 16-May-25

This reporting package includes the following:

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-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:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-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: 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025

Report Date: 16-May-25

Cooler Receipt Temp: 4.9 °C

Locations

Collinsville

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

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Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

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Email jhriley@teklabinc.com

Collinsville Air

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Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

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

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2026	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	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:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-001 **Client Sample ID:** GW-04R-WG-20250508

Matrix: GROUNDWATER **Collection Date:** 05/08/2025 10:55

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		**0.0228**	mg/L	50	05/15/2025 13:32	239097
Acenaphthylene	NELAP	0.00250	0.00500		**0.0183**	mg/L	50	05/15/2025 13:32	239097
Anthracene	NELAP	0.000200	0.000300		**0.00309**	mg/L	1	05/14/2025 22:26	239097
Benzo(a)anthracene	NELAP	0.00350	0.00500		**0.00904**	mg/L	50	05/15/2025 13:32	239097
Benzo(a)pyrene	NELAP	0.000110	0.000200		**0.00439**	mg/L	1	05/14/2025 22:26	239097
Benzo(b)fluoranthene	NELAP	0.00650	0.0100		**0.0120**	mg/L	50	05/15/2025 13:32	239097
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**0.00186**	mg/L	1	05/14/2025 22:26	239097
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**0.00249**	mg/L	1	05/14/2025 22:26	239097
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2025 22:26	239097
Chrysene	NELAP	0.00600	0.0100		**0.0201**	mg/L	50	05/15/2025 13:32	239097
Dibenzo(a,h)anthracene	NELAP	0.000120	0.000200		**0.00122**	mg/L	1	05/14/2025 22:26	239097
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	05/14/2025 22:26	239097
Fluoranthene	NELAP	0.0135	0.0150		**0.0431**	mg/L	50	05/15/2025 13:32	239097
Fluorene	NELAP	0.00850	0.0100		**0.0808**	mg/L	50	05/15/2025 13:32	239097
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**0.00237**	mg/L	1	05/14/2025 22:26	239097
m,p-Cresol	NELAP	0.00059	0.010	J	**0.0022**	mg/L	1	05/14/2025 22:26	239097
Naphthalene	NELAP	0.0800	0.200		**0.267**	mg/L	500	05/15/2025 14:47	239097
o-Cresol	NELAP	0.00054	0.010	J	**0.0016**	mg/L	1	05/14/2025 22:26	239097
Phenanthrene	NELAP	0.0265	0.0300		**0.144**	mg/L	50	05/15/2025 13:32	239097
Pyrene	NELAP	0.00900	0.0100		**0.0314**	mg/L	50	05/15/2025 13:32	239097
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**79.0**	%REC	1	05/14/2025 22:26	239097
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**49.2**	%REC	1	05/14/2025 22:26	239097
Surr: 2-Fluorophenol	*	0	30-130		**80.2**	%REC	1	05/14/2025 22:26	239097
Surr: Nitrobenzene-d5	*	0	40.7-126		**54.2**	%REC	1	05/14/2025 22:26	239097
Surr: Phenol-d5	*	0	20.5-122		**62.6**	%REC	1	05/14/2025 22:26	239097
Surr: p-Terphenyl-d14	*	0	44-147		**68.2**	%REC	1	05/14/2025 22:26	239097

Allowable Marginal Exceedance of Benzo(b)fluoranthene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.50	5.00		**874**	µg/L	10	05/09/2025 11:29	238887
Bromoform	NELAP	0.90	2.00		**ND**	µg/L	10	05/09/2025 11:29	238887
Ethylbenzene	NELAP	1.00	10.0		**253**	µg/L	10	05/09/2025 11:29	238887
m,p-Xylenes	NELAP	2.20	10.0		**69.3**	µg/L	10	05/09/2025 11:29	238887
Methylene chloride	NELAP	8.7	20	J	**13**	µg/L	10	05/09/2025 11:29	238887
Naphthalene	NELAP	5.70	20.0		**822**	µg/L	10	05/09/2025 11:29	238887
o-Xylene	NELAP	0.50	10.0		**159**	µg/L	10	05/09/2025 11:29	238887
Toluene	NELAP	1.00	20.0		**178**	µg/L	10	05/09/2025 11:29	238887
trans-1,2-Dichloroethene	NELAP	1.00	20.0		**ND**	µg/L	10	05/09/2025 11:29	238887
Xylenes, Total	NELAP	2.80	20.0		**228**	µg/L	10	05/09/2025 11:29	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**95.3**	%REC	10	05/09/2025 11:29	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.9**	%REC	10	05/09/2025 11:29	238887
Surr: Dibromofluoromethane	*	0	80-120		**101.1**	%REC	10	05/09/2025 11:29	238887
Surr: Toluene-d8	*	0	80-120		**97.8**	%REC	10	05/09/2025 11:29	238887

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

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-002 **Client Sample ID:** GW-05-WG-20250505

Matrix: GROUNDWATER **Collection Date:** 05/05/2025 13:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 15:03	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/12/2025 15:03	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/12/2025 15:03	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 15:03	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/12/2025 15:03	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/12/2025 15:03	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 15:03	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 15:03	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/12/2025 15:03	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 15:03	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 15:03	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/12/2025 15:03	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/12/2025 15:03	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/12/2025 15:03	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/12/2025 15:03	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/12/2025 15:03	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/12/2025 15:03	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/12/2025 15:03	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/12/2025 15:03	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/12/2025 15:03	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**74.5**	%REC	1	05/12/2025 15:03	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**59.4**	%REC	1	05/12/2025 15:03	238943
Surr: 2-Fluorophenol	*	0	30-130		**72.5**	%REC	1	05/12/2025 15:03	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**61.9**	%REC	1	05/12/2025 15:03	238943
Surr: Phenol-d5	*	0	20.5-122		**54.6**	%REC	1	05/12/2025 15:03	238943
Surr: p-Terphenyl-d14	*	0	44-147		**80.2**	%REC	1	05/12/2025 15:03	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 12:44	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 12:44	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 12:44	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 12:44	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 12:44	238887
Naphthalene	NELAP	0.57	2.0	J	**0.65**	µg/L	1	05/09/2025 12:44	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 12:44	238887
Toluene	NELAP	0.10	2.0	J	**0.12**	µg/L	1	05/09/2025 12:44	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 12:44	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 12:44	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**94.8**	%REC	1	05/09/2025 12:44	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.1**	%REC	1	05/09/2025 12:44	238887
Surr: Dibromofluoromethane	*	0	80-120		**101.4**	%REC	1	05/09/2025 12:44	238887
Surr: Toluene-d8	*	0	80-120		**98.2**	%REC	1	05/09/2025 12:44	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-003 **Client Sample ID:** GW-07-WG-20250507

Matrix: GROUNDWATER **Collection Date:** 05/07/2025 15:45

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		**0.000130**	mg/L	1	05/12/2025 21:33	238943
Acenaphthylene	NELAP	0.000050	0.000100		**0.000145**	mg/L	1	05/12/2025 21:33	238943
Anthracene	NELAP	0.000200	0.000300		**0.00151**	mg/L	1	05/12/2025 21:33	238943
Benzo(a)anthracene	NELAP	0.000070	0.000100		**0.000199**	mg/L	1	05/12/2025 21:33	238943
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	05/12/2025 21:33	238943
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	05/12/2025 21:33	238943
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	05/12/2025 21:33	238943
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	05/12/2025 21:33	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00479**	mg/L	1	05/12/2025 21:33	238943
Chrysene	NELAP	0.00012	0.00020	J	**0.00016**	mg/L	1	05/12/2025 21:33	238943
Dibenzo(a,h)anthracene	NELAP	0.000120	0.000200		**ND**	mg/L	1	05/12/2025 21:33	238943
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	05/12/2025 21:33	238943
Fluoranthene	NELAP	0.000270	0.000300		**0.000756**	mg/L	1	05/12/2025 21:33	238943
Fluorene	NELAP	0.000170	0.000200		**0.000304**	mg/L	1	05/12/2025 21:33	238943
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	05/12/2025 21:33	238943
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	05/12/2025 21:33	238943
Naphthalene	NELAP	0.000160	0.000400		**ND**	mg/L	1	05/12/2025 21:33	238943
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	05/12/2025 21:33	238943
Phenanthrene	NELAP	0.000530	0.000600		**ND**	mg/L	1	05/12/2025 21:33	238943
Pyrene	NELAP	0.000180	0.000200		**0.00255**	mg/L	1	05/12/2025 21:33	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**135.3**	%REC	1	05/12/2025 21:33	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**61.7**	%REC	1	05/12/2025 21:33	238943
Surr: 2-Fluorophenol	*	0	30-130		**83.0**	%REC	1	05/12/2025 21:33	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**69.6**	%REC	1	05/12/2025 21:33	238943
Surr: Phenol-d5	*	0	20.5-122		**59.7**	%REC	1	05/12/2025 21:33	238943
Surr: p-Terphenyl-d14	*	0	44-147		**87.6**	%REC	1	05/12/2025 21:33	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 13:09	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 13:09	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 13:09	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 13:09	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 13:09	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 13:09	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 13:09	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 13:09	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 13:09	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 13:09	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**92.0**	%REC	1	05/09/2025 13:09	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**95.4**	%REC	1	05/09/2025 13:09	238887
Surr: Dibromofluoromethane	*	0	80-120		**101.1**	%REC	1	05/09/2025 13:09	238887
Surr: Toluene-d8	*	0	80-120		**97.5**	%REC	1	05/09/2025 13:09	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-004 **Client Sample ID:** GW-14-WG-20250507

Matrix: GROUNDWATER **Collection Date:** 05/07/2025 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 22:12	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/12/2025 22:12	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/12/2025 22:12	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 22:12	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/12/2025 22:12	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/12/2025 22:12	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 22:12	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 22:12	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00436**	mg/L	1	05/12/2025 22:12	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 22:12	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 22:12	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/12/2025 22:12	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/12/2025 22:12	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/12/2025 22:12	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/12/2025 22:12	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/12/2025 22:12	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/12/2025 22:12	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/12/2025 22:12	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/12/2025 22:12	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/12/2025 22:12	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**91.1**	%REC	1	05/12/2025 22:12	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**63.6**	%REC	1	05/12/2025 22:12	238943
Surr: 2-Fluorophenol	*	0	30-130		**77.7**	%REC	1	05/12/2025 22:12	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**58.9**	%REC	1	05/12/2025 22:12	238943
Surr: Phenol-d5	*	0	20.5-122		**54.7**	%REC	1	05/12/2025 22:12	238943
Surr: p-Terphenyl-d14	*	0	44-147		**78.3**	%REC	1	05/12/2025 22:12	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 13:34	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 13:34	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 13:34	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 13:34	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 13:34	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 13:34	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 13:34	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 13:34	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 13:34	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 13:34	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**92.9**	%REC	1	05/09/2025 13:34	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.9**	%REC	1	05/09/2025 13:34	238887
Surr: Dibromofluoromethane	*	0	80-120		**101.4**	%REC	1	05/09/2025 13:34	238887
Surr: Toluene-d8	*	0	80-120		**98.0**	%REC	1	05/09/2025 13:34	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-005 **Client Sample ID:** GW-15-WG-20250508

Matrix: GROUNDWATER **Collection Date:** 05/08/2025 10:35

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	05/14/2025 20:29	239097
Acenaphthylene	NELAP	).000050	0.00010	J	**0.000056**	mg/L	1	05/14/2025 20:29	239097
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2025 20:29	239097
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2025 20:29	239097
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2025 20:29	239097
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2025 20:29	239097
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2025 20:29	239097
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2025 20:29	239097
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2025 20:29	239097
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2025 20:29	239097
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2025 20:29	239097
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2025 20:29	239097
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2025 20:29	239097
Fluorene	NELAP	0.00017	0.00020	J	**0.00019**	mg/L	1	05/14/2025 20:29	239097
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2025 20:29	239097
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2025 20:29	239097
Naphthalene	NELAP	).000160	0.000400		**0.000894**	mg/L	1	05/14/2025 20:29	239097
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2025 20:29	239097
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2025 20:29	239097
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2025 20:29	239097
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**81.3**	%REC	1	05/14/2025 20:29	239097
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**53.9**	%REC	1	05/14/2025 20:29	239097
Surr: 2-Fluorophenol	*	0	30-130		**74.0**	%REC	1	05/14/2025 20:29	239097
Surr: Nitrobenzene-d5	*	0	40.7-126		**58.4**	%REC	1	05/14/2025 20:29	239097
Surr: Phenol-d5	*	0	20.5-122		**56.7**	%REC	1	05/14/2025 20:29	239097
Surr: p-Terphenyl-d14	*	0	44-147		**72.0**	%REC	1	05/14/2025 20:29	239097

LCS recovered outside upper control limits for Benzo(b)fluoranthene. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 13:59	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 13:59	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 13:59	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 13:59	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 13:59	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 13:59	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 13:59	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 13:59	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 13:59	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 13:59	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**91.1**	%REC	1	05/09/2025 13:59	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**94.8**	%REC	1	05/09/2025 13:59	238887
Surr: Dibromofluoromethane	*	0	80-120		**101.5**	%REC	1	05/09/2025 13:59	238887
Surr: Toluene-d8	*	0	80-120		**97.3**	%REC	1	05/09/2025 13:59	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-006 **Client Sample ID:** GW-16S-WG-20250507

Matrix: GROUNDWATER **Collection Date:** 05/07/2025 9:18

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	05/12/2025 22:51	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/12/2025 22:51	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/12/2025 22:51	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 22:51	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/12/2025 22:51	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/12/2025 22:51	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 22:51	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 22:51	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/12/2025 22:51	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 22:51	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 22:51	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/12/2025 22:51	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/12/2025 22:51	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/12/2025 22:51	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/12/2025 22:51	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/12/2025 22:51	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/12/2025 22:51	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/12/2025 22:51	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/12/2025 22:51	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/12/2025 22:51	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**71.0**	%REC	1	05/12/2025 22:51	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**61.0**	%REC	1	05/12/2025 22:51	238943
Surr: 2-Fluorophenol	*	0	30-130		**71.6**	%REC	1	05/12/2025 22:51	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**57.8**	%REC	1	05/12/2025 22:51	238943
Surr: Phenol-d5	*	0	20.5-122		**52.4**	%REC	1	05/12/2025 22:51	238943
Surr: p-Terphenyl-d14	*	0	44-147		**72.1**	%REC	1	05/12/2025 22:51	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 14:23	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 14:23	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 14:23	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 14:23	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 14:23	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 14:23	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 14:23	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 14:23	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 14:23	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 14:23	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**91.6**	%REC	1	05/09/2025 14:23	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**95.4**	%REC	1	05/09/2025 14:23	238887
Surr: Dibromofluoromethane	*	0	80-120		**101.7**	%REC	1	05/09/2025 14:23	238887
Surr: Toluene-d8	*	0	80-120		**97.6**	%REC	1	05/09/2025 14:23	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-007 **Client Sample ID:** GW-16D-WG-20250507

Matrix: GROUNDWATER **Collection Date:** 05/07/2025 11:15

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	05/12/2025 23:30	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/12/2025 23:30	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/12/2025 23:30	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 23:30	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/12/2025 23:30	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/12/2025 23:30	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 23:30	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 23:30	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00411**	mg/L	1	05/12/2025 23:30	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 23:30	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 23:30	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/12/2025 23:30	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/12/2025 23:30	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/12/2025 23:30	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/12/2025 23:30	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/12/2025 23:30	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/12/2025 23:30	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/12/2025 23:30	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/12/2025 23:30	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/12/2025 23:30	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**69.1**	%REC	1	05/12/2025 23:30	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**53.8**	%REC	1	05/12/2025 23:30	238943
Surr: 2-Fluorophenol	*	0	30-130		**75.6**	%REC	1	05/12/2025 23:30	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**56.8**	%REC	1	05/12/2025 23:30	238943
Surr: Phenol-d5	*	0	20.5-122		**48.2**	%REC	1	05/12/2025 23:30	238943
Surr: p-Terphenyl-d14	*	0	44-147		**69.4**	%REC	1	05/12/2025 23:30	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 14:48	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 14:48	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 14:48	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 14:48	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 14:48	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 14:48	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 14:48	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 14:48	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 14:48	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 14:48	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**94.4**	%REC	1	05/09/2025 14:48	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**97.5**	%REC	1	05/09/2025 14:48	238887
Surr: Dibromofluoromethane	*	0	80-120		**102.2**	%REC	1	05/09/2025 14:48	238887
Surr: Toluene-d8	*	0	80-120		**98.5**	%REC	1	05/09/2025 14:48	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-008 **Client Sample ID:** GW-17-WG-20250506

Matrix: GROUNDWATER **Collection Date:** 05/06/2025 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	05/12/2025 15:42	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/12/2025 15:42	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/12/2025 15:42	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 15:42	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/12/2025 15:42	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/12/2025 15:42	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 15:42	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 15:42	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/12/2025 15:42	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 15:42	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 15:42	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/12/2025 15:42	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/12/2025 15:42	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/12/2025 15:42	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/12/2025 15:42	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/12/2025 15:42	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/12/2025 15:42	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/12/2025 15:42	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/12/2025 15:42	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/12/2025 15:42	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**73.0**	%REC	1	05/12/2025 15:42	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**60.2**	%REC	1	05/12/2025 15:42	238943
Surr: 2-Fluorophenol	*	0	30-130		**75.1**	%REC	1	05/12/2025 15:42	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**56.8**	%REC	1	05/12/2025 15:42	238943
Surr: Phenol-d5	*	0	20.5-122		**51.5**	%REC	1	05/12/2025 15:42	238943
Surr: p-Terphenyl-d14	*	0	44-147		**72.7**	%REC	1	05/12/2025 15:42	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 15:13	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 15:13	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 15:13	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 15:13	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 15:13	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 15:13	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 15:13	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 15:13	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 15:13	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 15:13	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**95.0**	%REC	1	05/09/2025 15:13	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.7**	%REC	1	05/09/2025 15:13	238887
Surr: Dibromofluoromethane	*	0	80-120		**102.7**	%REC	1	05/09/2025 15:13	238887
Surr: Toluene-d8	*	0	80-120		**98.9**	%REC	1	05/09/2025 15:13	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-009 **Client Sample ID:** GW-18S-WG-20250506

Matrix: GROUNDWATER **Collection Date:** 05/06/2025 13:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 13:45	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/12/2025 13:45	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/12/2025 13:45	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 13:45	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/12/2025 13:45	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/12/2025 13:45	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 13:45	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 13:45	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00478**	mg/L	1	05/12/2025 13:45	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 13:45	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 13:45	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/12/2025 13:45	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/12/2025 13:45	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/12/2025 13:45	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/12/2025 13:45	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/12/2025 13:45	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/12/2025 13:45	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/12/2025 13:45	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/12/2025 13:45	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/12/2025 13:45	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**74.6**	%REC	1	05/12/2025 13:45	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**51.3**	%REC	1	05/12/2025 13:45	238943
Surr: 2-Fluorophenol	*	0	30-130		**75.4**	%REC	1	05/12/2025 13:45	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**60.2**	%REC	1	05/12/2025 13:45	238943
Surr: Phenol-d5	*	0	20.5-122		**50.9**	%REC	1	05/12/2025 13:45	238943
Surr: p-Terphenyl-d14	*	0	44-147		**74.3**	%REC	1	05/12/2025 13:45	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 15:40	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 15:40	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 15:40	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 15:40	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 15:40	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 15:40	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 15:40	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 15:40	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 15:40	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 15:40	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**91.8**	%REC	1	05/09/2025 15:40	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.1**	%REC	1	05/09/2025 15:40	238887
Surr: Dibromofluoromethane	*	0	80-120		**102.3**	%REC	1	05/09/2025 15:40	238887
Surr: Toluene-d8	*	0	80-120		**97.4**	%REC	1	05/09/2025 15:40	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-010 **Client Sample ID:** GW-18D-WG-20250506

Matrix: GROUNDWATER **Collection Date:** 05/06/2025 15:00

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	05/12/2025 14:24	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/12/2025 14:24	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/12/2025 14:24	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 14:24	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/12/2025 14:24	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/12/2025 14:24	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 14:24	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 14:24	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/12/2025 14:24	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 14:24	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 14:24	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/12/2025 14:24	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/12/2025 14:24	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/12/2025 14:24	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/12/2025 14:24	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/12/2025 14:24	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/12/2025 14:24	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/12/2025 14:24	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/12/2025 14:24	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/12/2025 14:24	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**74.8**	%REC	1	05/12/2025 14:24	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**60.6**	%REC	1	05/12/2025 14:24	238943
Surr: 2-Fluorophenol	*	0	30-130		**72.8**	%REC	1	05/12/2025 14:24	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**59.4**	%REC	1	05/12/2025 14:24	238943
Surr: Phenol-d5	*	0	20.5-122		**48.7**	%REC	1	05/12/2025 14:24	238943
Surr: p-Terphenyl-d14	*	0	44-147		**70.4**	%REC	1	05/12/2025 14:24	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 16:05	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 16:05	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 16:05	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 16:05	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 16:05	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 16:05	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 16:05	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 16:05	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.0	J	**0.38**	µg/L	1	05/09/2025 16:05	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 16:05	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**94.2**	%REC	1	05/09/2025 16:05	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.2**	%REC	1	05/09/2025 16:05	238887
Surr: Dibromofluoromethane	*	0	80-120		**102.9**	%REC	1	05/09/2025 16:05	238887
Surr: Toluene-d8	*	0	80-120		**98.7**	%REC	1	05/09/2025 16:05	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-011 **Client Sample ID:** GW-19S-WG-20250506

Matrix: GROUNDWATER **Collection Date:** 05/06/2025 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/13/2025 0:09	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/13/2025 0:09	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/13/2025 0:09	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/13/2025 0:09	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/13/2025 0:09	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/13/2025 0:09	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 0:09	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 0:09	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/13/2025 0:09	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 0:09	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 0:09	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/13/2025 0:09	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/13/2025 0:09	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/13/2025 0:09	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/13/2025 0:09	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/13/2025 0:09	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/13/2025 0:09	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/13/2025 0:09	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/13/2025 0:09	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/13/2025 0:09	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**79.0**	%REC	1	05/13/2025 0:09	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**61.1**	%REC	1	05/13/2025 0:09	238943
Surr: 2-Fluorophenol	*	0	30-130		**77.2**	%REC	1	05/13/2025 0:09	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**60.3**	%REC	1	05/13/2025 0:09	238943
Surr: Phenol-d5	*	0	20.5-122		**52.1**	%REC	1	05/13/2025 0:09	238943
Surr: p-Terphenyl-d14	*	0	44-147		**79.5**	%REC	1	05/13/2025 0:09	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 16:30	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 16:30	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 16:30	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 16:30	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 16:30	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 16:30	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 16:30	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 16:30	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 16:30	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 16:30	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**92.3**	%REC	1	05/09/2025 16:30	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.1**	%REC	1	05/09/2025 16:30	238887
Surr: Dibromofluoromethane	*	0	80-120		**103.1**	%REC	1	05/09/2025 16:30	238887
Surr: Toluene-d8	*	0	80-120		**97.2**	%REC	1	05/09/2025 16:30	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-012 **Client Sample ID:** GW-19D-WG-20250506

Matrix: GROUNDWATER **Collection Date:** 05/06/2025 11:00

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	05/13/2025 0:48	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/13/2025 0:48	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/13/2025 0:48	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/13/2025 0:48	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/13/2025 0:48	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/13/2025 0:48	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 0:48	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 0:48	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/13/2025 0:48	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 0:48	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 0:48	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/13/2025 0:48	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/13/2025 0:48	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/13/2025 0:48	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/13/2025 0:48	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/13/2025 0:48	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/13/2025 0:48	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/13/2025 0:48	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/13/2025 0:48	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/13/2025 0:48	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**68.9**	%REC	1	05/13/2025 0:48	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**58.4**	%REC	1	05/13/2025 0:48	238943
Surr: 2-Fluorophenol	*	0	30-130		**68.2**	%REC	1	05/13/2025 0:48	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**54.3**	%REC	1	05/13/2025 0:48	238943
Surr: Phenol-d5	*	0	20.5-122		**47.0**	%REC	1	05/13/2025 0:48	238943
Surr: p-Terphenyl-d14	*	0	44-147		**66.9**	%REC	1	05/13/2025 0:48	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 16:55	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 16:55	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 16:55	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 16:55	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 16:55	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 16:55	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 16:55	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 16:55	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 16:55	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 16:55	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**92.9**	%REC	1	05/09/2025 16:55	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**95.7**	%REC	1	05/09/2025 16:55	238887
Surr: Dibromofluoromethane	*	0	80-120		**101.9**	%REC	1	05/09/2025 16:55	238887
Surr: Toluene-d8	*	0	80-120		**98.0**	%REC	1	05/09/2025 16:55	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-013 **Client Sample ID:** GW-20-WG-20250506

Matrix: GROUNDWATER **Collection Date:** 05/06/2025 9:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/13/2025 1:27	238943
Acenaphthylene	NELAP	).000050	0.000100		**0.000237**	mg/L	1	05/13/2025 1:27	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/13/2025 1:27	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000212**	mg/L	1	05/13/2025 1:27	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**0.00102**	mg/L	1	05/13/2025 1:27	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**0.000883**	mg/L	1	05/13/2025 1:27	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**0.000910**	mg/L	1	05/13/2025 1:27	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**0.000211**	mg/L	1	05/13/2025 1:27	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/13/2025 1:27	238943
Chrysene	NELAP	).000120	0.000200		**0.000336**	mg/L	1	05/13/2025 1:27	238943
Dibenzo(a,h)anthracene	NELAP	0.00012	0.00020	J	**0.00018**	mg/L	1	05/13/2025 1:27	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/13/2025 1:27	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/13/2025 1:27	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/13/2025 1:27	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**0.000636**	mg/L	1	05/13/2025 1:27	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/13/2025 1:27	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/13/2025 1:27	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/13/2025 1:27	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/13/2025 1:27	238943
Pyrene	NELAP	).000180	0.000200		**0.000468**	mg/L	1	05/13/2025 1:27	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**68.7**	%REC	1	05/13/2025 1:27	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**58.9**	%REC	1	05/13/2025 1:27	238943
Surr: 2-Fluorophenol	*	0	30-130		**66.5**	%REC	1	05/13/2025 1:27	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**58.1**	%REC	1	05/13/2025 1:27	238943
Surr: Phenol-d5	*	0	20.5-122		**45.6**	%REC	1	05/13/2025 1:27	238943
Surr: p-Terphenyl-d14	*	0	44-147		**69.2**	%REC	1	05/13/2025 1:27	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 17:20	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 17:20	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 17:20	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 17:20	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 17:20	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 17:20	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 17:20	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 17:20	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 17:20	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 17:20	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**91.0**	%REC	1	05/09/2025 17:20	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**95.1**	%REC	1	05/09/2025 17:20	238887
Surr: Dibromofluoromethane	*	0	80-120		**102.2**	%REC	1	05/09/2025 17:20	238887
Surr: Toluene-d8	*	0	80-120		**97.7**	%REC	1	05/09/2025 17:20	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-014 **Client Sample ID:** GW-22S-WG-20250508

Matrix: GROUNDWATER **Collection Date:** 05/08/2025 9:00

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	05/14/2025 21:08	239097
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2025 21:08	239097
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2025 21:08	239097
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2025 21:08	239097
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2025 21:08	239097
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2025 21:08	239097
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2025 21:08	239097
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2025 21:08	239097
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2025 21:08	239097
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2025 21:08	239097
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2025 21:08	239097
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2025 21:08	239097
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2025 21:08	239097
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2025 21:08	239097
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2025 21:08	239097
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2025 21:08	239097
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2025 21:08	239097
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2025 21:08	239097
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2025 21:08	239097
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2025 21:08	239097
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**75.8**	%REC	1	05/14/2025 21:08	239097
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**52.6**	%REC	1	05/14/2025 21:08	239097
Surr: 2-Fluorophenol	*	0	30-130		**73.0**	%REC	1	05/14/2025 21:08	239097
Surr: Nitrobenzene-d5	*	0	40.7-126		**57.9**	%REC	1	05/14/2025 21:08	239097
Surr: Phenol-d5	*	0	20.5-122		**56.5**	%REC	1	05/14/2025 21:08	239097
Surr: p-Terphenyl-d14	*	0	44-147		**82.0**	%REC	1	05/14/2025 21:08	239097

LCS recovered outside upper control limits for Benzo(b)fluoranthene. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 17:45	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 17:45	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 17:45	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 17:45	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 17:45	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 17:45	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 17:45	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 17:45	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 17:45	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 17:45	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**94.7**	%REC	1	05/09/2025 17:45	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.6**	%REC	1	05/09/2025 17:45	238887
Surr: Dibromofluoromethane	*	0	80-120		**102.0**	%REC	1	05/09/2025 17:45	238887
Surr: Toluene-d8	*	0	80-120		**98.5**	%REC	1	05/09/2025 17:45	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-015 **Client Sample ID:** GW-22D-WG-20250507

Matrix: GROUNDWATER **Collection Date:** 05/07/2025 17:15

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	05/13/2025 2:06	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/13/2025 2:06	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/13/2025 2:06	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/13/2025 2:06	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/13/2025 2:06	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/13/2025 2:06	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 2:06	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 2:06	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/13/2025 2:06	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 2:06	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 2:06	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/13/2025 2:06	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/13/2025 2:06	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/13/2025 2:06	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/13/2025 2:06	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/13/2025 2:06	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/13/2025 2:06	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/13/2025 2:06	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/13/2025 2:06	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/13/2025 2:06	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**80.2**	%REC	1	05/13/2025 2:06	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**58.3**	%REC	1	05/13/2025 2:06	238943
Surr: 2-Fluorophenol	*	0	30-130		**76.2**	%REC	1	05/13/2025 2:06	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**57.7**	%REC	1	05/13/2025 2:06	238943
Surr: Phenol-d5	*	0	20.5-122		**53.4**	%REC	1	05/13/2025 2:06	238943
Surr: p-Terphenyl-d14	*	0	44-147		**92.8**	%REC	1	05/13/2025 2:06	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 18:10	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 18:10	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 18:10	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 18:10	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 18:10	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 18:10	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 18:10	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 18:10	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 18:10	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 18:10	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**95.7**	%REC	1	05/09/2025 18:10	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.1**	%REC	1	05/09/2025 18:10	238887
Surr: Dibromofluoromethane	*	0	80-120		**102.6**	%REC	1	05/09/2025 18:10	238887
Surr: Toluene-d8	*	0	80-120		**89.4**	%REC	1	05/09/2025 18:10	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-016 **Client Sample ID:** DUP-001-WG-20250507

Matrix: GROUNDWATER **Collection Date:** 05/07/2025 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		**0.000104**	mg/L	1	05/13/2025 2:45	238943
Acenaphthylene	NELAP	).000050	0.000100		**0.000121**	mg/L	1	05/13/2025 2:45	238943
Anthracene	NELAP	).000200	0.000300		**0.00123**	mg/L	1	05/13/2025 2:45	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000180**	mg/L	1	05/13/2025 2:45	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/13/2025 2:45	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/13/2025 2:45	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 2:45	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 2:45	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00348**	mg/L	1	05/13/2025 2:45	238943
Chrysene	NELAP	0.00012	0.00020	J	**0.00013**	mg/L	1	05/13/2025 2:45	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 2:45	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/13/2025 2:45	238943
Fluoranthene	NELAP	).000270	0.000300		**0.000612**	mg/L	1	05/13/2025 2:45	238943
Fluorene	NELAP	).000170	0.000200		**0.000254**	mg/L	1	05/13/2025 2:45	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/13/2025 2:45	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/13/2025 2:45	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/13/2025 2:45	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/13/2025 2:45	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/13/2025 2:45	238943
Pyrene	NELAP	).000180	0.000200		**0.00208**	mg/L	1	05/13/2025 2:45	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**85.6**	%REC	1	05/13/2025 2:45	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**53.9**	%REC	1	05/13/2025 2:45	238943
Surr: 2-Fluorophenol	*	0	30-130		**78.8**	%REC	1	05/13/2025 2:45	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**58.4**	%REC	1	05/13/2025 2:45	238943
Surr: Phenol-d5	*	0	20.5-122		**54.7**	%REC	1	05/13/2025 2:45	238943
Surr: p-Terphenyl-d14	*	0	44-147		**87.9**	%REC	1	05/13/2025 2:45	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 18:35	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 18:35	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 18:35	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 18:35	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 18:35	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 18:35	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 18:35	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 18:35	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 18:35	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 18:35	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**94.5**	%REC	1	05/09/2025 18:35	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.0**	%REC	1	05/09/2025 18:35	238887
Surr: Dibromofluoromethane	*	0	80-120		**101.4**	%REC	1	05/09/2025 18:35	238887
Surr: Toluene-d8	*	0	80-120		**98.4**	%REC	1	05/09/2025 18:35	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-017 **Client Sample ID:** TB-001-WQ-20250505

Matrix: TRIP BLANK **Collection Date:** 05/08/2025 12:45

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	05/09/2025 19:00	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 19:00	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 19:00	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 19:00	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 19:00	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 19:00	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 19:00	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 19:00	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 19:00	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 19:00	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**95.1**	%REC	1	05/09/2025 19:00	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.4**	%REC	1	05/09/2025 19:00	238887
Surr: Dibromofluoromethane	*	0	80-120		**102.3**	%REC	1	05/09/2025 19:00	238887
Surr: Toluene-d8	*	0	80-120		**98.8**	%REC	1	05/09/2025 19:00	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-018 **Client Sample ID:** DUP-002-WG-20250508

Matrix: GROUNDWATER **Collection Date:** 05/08/2025 0:02

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	05/14/2025 21:47	239097
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2025 21:47	239097
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2025 21:47	239097
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2025 21:47	239097
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2025 21:47	239097
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2025 21:47	239097
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2025 21:47	239097
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2025 21:47	239097
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2025 21:47	239097
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2025 21:47	239097
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2025 21:47	239097
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2025 21:47	239097
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2025 21:47	239097
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2025 21:47	239097
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2025 21:47	239097
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2025 21:47	239097
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2025 21:47	239097
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2025 21:47	239097
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2025 21:47	239097
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2025 21:47	239097
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**73.1**	%REC	1	05/14/2025 21:47	239097
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**47.9**	%REC	1	05/14/2025 21:47	239097
Surr: 2-Fluorophenol	*	0	30-130		**73.4**	%REC	1	05/14/2025 21:47	239097
Surr: Nitrobenzene-d5	*	0	40.7-126		**56.6**	%REC	1	05/14/2025 21:47	239097
Surr: Phenol-d5	*	0	20.5-122		**59.9**	%REC	1	05/14/2025 21:47	239097
Surr: p-Terphenyl-d14	*	0	44-147		**67.3**	%REC	1	05/14/2025 21:47	239097

LCS recovered outside upper control limits for Benzo(b)fluoranthene. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 19:25	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 19:25	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 19:25	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 19:25	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 19:25	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 19:25	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 19:25	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 19:25	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 19:25	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 19:25	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**94.7**	%REC	1	05/09/2025 19:25	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.5**	%REC	1	05/09/2025 19:25	238887
Surr: Dibromofluoromethane	*	0	80-120		**103.1**	%REC	1	05/09/2025 19:25	238887
Surr: Toluene-d8	*	0	80-120		**98.4**	%REC	1	05/09/2025 19:25	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-019 **Client Sample ID:** GW-101S-WG-20250505

Matrix: GROUNDWATER **Collection Date:** 05/05/2025 14:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 16:21	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/12/2025 16:21	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/12/2025 16:21	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 16:21	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/12/2025 16:21	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/12/2025 16:21	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 16:21	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 16:21	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/12/2025 16:21	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 16:21	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 16:21	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/12/2025 16:21	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/12/2025 16:21	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/12/2025 16:21	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/12/2025 16:21	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/12/2025 16:21	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/12/2025 16:21	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/12/2025 16:21	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/12/2025 16:21	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/12/2025 16:21	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**70.1**	%REC	1	05/12/2025 16:21	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**53.8**	%REC	1	05/12/2025 16:21	238943
Surr: 2-Fluorophenol	*	0	30-130		**70.4**	%REC	1	05/12/2025 16:21	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**61.7**	%REC	1	05/12/2025 16:21	238943
Surr: Phenol-d5	*	0	20.5-122		**49.1**	%REC	1	05/12/2025 16:21	238943
Surr: p-Terphenyl-d14	*	0	44-147		**75.7**	%REC	1	05/12/2025 16:21	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 19:50	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 19:50	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 19:50	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 19:50	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 19:50	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 19:50	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 19:50	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 19:50	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 19:50	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 19:50	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**94.8**	%REC	1	05/09/2025 19:50	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.9**	%REC	1	05/09/2025 19:50	238887
Surr: Dibromofluoromethane	*	0	80-120		**102.5**	%REC	1	05/09/2025 19:50	238887
Surr: Toluene-d8	*	0	80-120		**98.6**	%REC	1	05/09/2025 19:50	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-020 **Client Sample ID:** GW-102S-WG-20250505

Matrix: GROUNDWATER **Collection Date:** 05/05/2025 15:30

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	05/12/2025 17:00	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/12/2025 17:00	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/12/2025 17:00	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 17:00	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/12/2025 17:00	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/12/2025 17:00	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 17:00	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 17:00	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/12/2025 17:00	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 17:00	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 17:00	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/12/2025 17:00	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/12/2025 17:00	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/12/2025 17:00	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/12/2025 17:00	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/12/2025 17:00	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/12/2025 17:00	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/12/2025 17:00	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/12/2025 17:00	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/12/2025 17:00	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**83.1**	%REC	1	05/12/2025 17:00	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**62.9**	%REC	1	05/12/2025 17:00	238943
Surr: 2-Fluorophenol	*	0	30-130		**73.1**	%REC	1	05/12/2025 17:00	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**63.9**	%REC	1	05/12/2025 17:00	238943
Surr: Phenol-d5	*	0	20.5-122		**48.2**	%REC	1	05/12/2025 17:00	238943
Surr: p-Terphenyl-d14	*	0	44-147		**72.7**	%REC	1	05/12/2025 17:00	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 20:15	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 20:15	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 20:15	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 20:15	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 20:15	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 20:15	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 20:15	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 20:15	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 20:15	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 20:15	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**93.2**	%REC	1	05/09/2025 20:15	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.8**	%REC	1	05/09/2025 20:15	238887
Surr: Dibromofluoromethane	*	0	80-120		**102.0**	%REC	1	05/09/2025 20:15	238887
Surr: Toluene-d8	*	0	80-120		**98.2**	%REC	1	05/09/2025 20:15	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-021 **Client Sample ID:** GW-102D-WG-20250505

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

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 17:39	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/12/2025 17:39	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/12/2025 17:39	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 17:39	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/12/2025 17:39	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/12/2025 17:39	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 17:39	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 17:39	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/12/2025 17:39	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 17:39	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 17:39	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/12/2025 17:39	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/12/2025 17:39	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/12/2025 17:39	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/12/2025 17:39	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/12/2025 17:39	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/12/2025 17:39	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/12/2025 17:39	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/12/2025 17:39	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/12/2025 17:39	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**75.1**	%REC	1	05/12/2025 17:39	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**55.8**	%REC	1	05/12/2025 17:39	238943
Surr: 2-Fluorophenol	*	0	30-130		**76.1**	%REC	1	05/12/2025 17:39	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**60.1**	%REC	1	05/12/2025 17:39	238943
Surr: Phenol-d5	*	0	20.5-122		**52.9**	%REC	1	05/12/2025 17:39	238943
Surr: p-Terphenyl-d14	*	0	44-147		**70.8**	%REC	1	05/12/2025 17:39	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 20:40	238887
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 20:40	238887
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 20:40	238887
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 20:40	238887
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 20:40	238887
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 20:40	238887
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 20:40	238887
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 20:40	238887
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 20:40	238887
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 20:40	238887
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**96.0**	%REC	1	05/09/2025 20:40	238887
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.9**	%REC	1	05/09/2025 20:40	238887
Surr: Dibromofluoromethane	*	0	80-120		**102.6**	%REC	1	05/09/2025 20:40	238887
Surr: Toluene-d8	*	0	80-120		**98.9**	%REC	1	05/09/2025 20:40	238887

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-022 **Client Sample ID:** GW-25-WG-20250507

Matrix: GROUNDWATER **Collection Date:** 05/07/2025 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/13/2025 3:24	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/13/2025 3:24	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/13/2025 3:24	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/13/2025 3:24	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/13/2025 3:24	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/13/2025 3:24	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 3:24	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 3:24	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/13/2025 3:24	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 3:24	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 3:24	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/13/2025 3:24	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/13/2025 3:24	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/13/2025 3:24	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/13/2025 3:24	238943
m,p-Cresol	NELAP	).000590	0.0100	S	**ND**	mg/L	1	05/13/2025 3:24	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/13/2025 3:24	238943
o-Cresol	NELAP	).000540	0.0100	S	**ND**	mg/L	1	05/13/2025 3:24	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/13/2025 3:24	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/13/2025 3:24	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**82.2**	%REC	1	05/13/2025 3:24	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**54.4**	%REC	1	05/13/2025 3:24	238943
Surr: 2-Fluorophenol	*	0	30-130		**80.1**	%REC	1	05/13/2025 3:24	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**64.7**	%REC	1	05/13/2025 3:24	238943
Surr: Phenol-d5	*	0	20.5-122		**57.1**	%REC	1	05/13/2025 3:24	238943
Surr: p-Terphenyl-d14	*	0	44-147		**80.4**	%REC	1	05/13/2025 3:24	238943
Matrix spike did not recover within 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	05/12/2025 12:30	238977
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/12/2025 12:30	238977
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/12/2025 12:30	238977
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/12/2025 12:30	238977
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/12/2025 12:30	238977
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/12/2025 12:30	238977
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/12/2025 12:30	238977
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/12/2025 12:30	238977
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/12/2025 12:30	238977
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/12/2025 12:30	238977
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.4**	%REC	1	05/12/2025 12:30	238977
Surr: 4-Bromofluorobenzene	*	0	80-120		**97.9**	%REC	1	05/12/2025 12:30	238977
Surr: Dibromofluoromethane	*	0	80-120		**100.5**	%REC	1	05/12/2025 12:30	238977
Surr: Toluene-d8	*	0	80-120		**98.0**	%REC	1	05/12/2025 12:30	238977

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-023 **Client Sample ID:** GW-26-WG-20250506

Matrix: GROUNDWATER **Collection Date:** 05/06/2025 8:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/13/2025 5:21	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/13/2025 5:21	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/13/2025 5:21	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/13/2025 5:21	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/13/2025 5:21	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/13/2025 5:21	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 5:21	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 5:21	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/13/2025 5:21	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 5:21	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/13/2025 5:21	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/13/2025 5:21	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/13/2025 5:21	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/13/2025 5:21	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/13/2025 5:21	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/13/2025 5:21	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/13/2025 5:21	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/13/2025 5:21	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/13/2025 5:21	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/13/2025 5:21	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**74.5**	%REC	1	05/13/2025 5:21	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**62.2**	%REC	1	05/13/2025 5:21	238943
Surr: 2-Fluorophenol	*	0	30-130		**60.1**	%REC	1	05/13/2025 5:21	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**60.6**	%REC	1	05/13/2025 5:21	238943
Surr: Phenol-d5	*	0	20.5-122		**35.9**	%REC	1	05/13/2025 5:21	238943
Surr: p-Terphenyl-d14	*	0	44-147		**76.6**	%REC	1	05/13/2025 5:21	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 17:34	238869
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 17:34	238869
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 17:34	238869
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 17:34	238869
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 17:34	238869
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 17:34	238869
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 17:34	238869
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 17:34	238869
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 17:34	238869
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 17:34	238869
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**99.2**	%REC	1	05/09/2025 17:34	238869
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.2**	%REC	1	05/09/2025 17:34	238869
Surr: Dibromofluoromethane	*	0	80-120		**100.3**	%REC	1	05/09/2025 17:34	238869
Surr: Toluene-d8	*	0	80-120		**101.1**	%REC	1	05/09/2025 17:34	238869

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-024 **Client Sample ID:** EQB-001-WQ-20250505

Matrix: GROUNDWATER **Collection Date:** 05/05/2025 11:36

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	05/12/2025 13:06	238943
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/12/2025 13:06	238943
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/12/2025 13:06	238943
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/12/2025 13:06	238943
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/12/2025 13:06	238943
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/12/2025 13:06	238943
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 13:06	238943
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 13:06	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/12/2025 13:06	238943
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 13:06	238943
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/12/2025 13:06	238943
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/12/2025 13:06	238943
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/12/2025 13:06	238943
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/12/2025 13:06	238943
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/12/2025 13:06	238943
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/12/2025 13:06	238943
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/12/2025 13:06	238943
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/12/2025 13:06	238943
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/12/2025 13:06	238943
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/12/2025 13:06	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**70.5**	%REC	1	05/12/2025 13:06	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**61.8**	%REC	1	05/12/2025 13:06	238943
Surr: 2-Fluorophenol	*	0	30-130		**80.4**	%REC	1	05/12/2025 13:06	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**62.0**	%REC	1	05/12/2025 13:06	238943
Surr: Phenol-d5	*	0	20.5-122		**56.3**	%REC	1	05/12/2025 13:06	238943
Surr: p-Terphenyl-d14	*	0	44-147		**75.1**	%REC	1	05/12/2025 13:06	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 18:00	238869
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 18:00	238869
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 18:00	238869
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 18:00	238869
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 18:00	238869
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 18:00	238869
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 18:00	238869
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 18:00	238869
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/09/2025 18:00	238869
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 18:00	238869
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**99.3**	%REC	1	05/09/2025 18:00	238869
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.3**	%REC	1	05/09/2025 18:00	238869
Surr: Dibromofluoromethane	*	0	80-120		**100.5**	%REC	1	05/09/2025 18:00	238869
Surr: Toluene-d8	*	0	80-120		**101.2**	%REC	1	05/09/2025 18:00	238869

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-025 **Client Sample ID:** GW-20FF-WG-20250506

Matrix: GROUNDWATER **Collection Date:** 05/06/2025 9:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.000070	0.000100		**ND**	mg/L	1	05/13/2025 6:00	238943
Acenaphthylene	NELAP	0.000050	0.000100		**ND**	mg/L	1	05/13/2025 6:00	238943
Anthracene	NELAP	0.000200	0.000300		**ND**	mg/L	1	05/13/2025 6:00	238943
Benzo(a)anthracene	NELAP	0.000070	0.000100		**ND**	mg/L	1	05/13/2025 6:00	238943
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	05/13/2025 6:00	238943
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	05/13/2025 6:00	238943
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	05/13/2025 6:00	238943
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	05/13/2025 6:00	238943
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/13/2025 6:00	238943
Chrysene	NELAP	0.000120	0.000200		**ND**	mg/L	1	05/13/2025 6:00	238943
Dibenzo(a,h)anthracene	NELAP	0.000120	0.000200		**ND**	mg/L	1	05/13/2025 6:00	238943
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	05/13/2025 6:00	238943
Fluoranthene	NELAP	0.000270	0.000300		**ND**	mg/L	1	05/13/2025 6:00	238943
Fluorene	NELAP	0.000170	0.000200		**ND**	mg/L	1	05/13/2025 6:00	238943
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	05/13/2025 6:00	238943
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	05/13/2025 6:00	238943
Naphthalene	NELAP	0.000160	0.000400		**ND**	mg/L	1	05/13/2025 6:00	238943
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	05/13/2025 6:00	238943
Phenanthrene	NELAP	0.000530	0.000600		**ND**	mg/L	1	05/13/2025 6:00	238943
Pyrene	NELAP	0.000180	0.000200		**ND**	mg/L	1	05/13/2025 6:00	238943
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**88.3**	%REC	1	05/13/2025 6:00	238943
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**60.4**	%REC	1	05/13/2025 6:00	238943
Surr: 2-Fluorophenol	*	0	30-130		**78.1**	%REC	1	05/13/2025 6:00	238943
Surr: Nitrobenzene-d5	*	0	40.7-126		**65.2**	%REC	1	05/13/2025 6:00	238943
Surr: Phenol-d5	*	0	20.5-122		**50.3**	%REC	1	05/13/2025 6:00	238943
Surr: p-Terphenyl-d14	*	0	44-147		**84.3**	%REC	1	05/13/2025 6:00	238943
SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/09/2025 18:27	238869
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/09/2025 18:27	238869
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/09/2025 18:27	238869
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/09/2025 18:27	238869
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/09/2025 18:27	238869
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/09/2025 18:27	238869
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/09/2025 18:27	238869
Toluene	NELAP	0.10	2.0	J	**0.24**	µg/L	1	05/09/2025 18:27	238869
trans-1,2-Dichloroethene	NELAP	0.10	2.0	J	**0.41**	µg/L	1	05/09/2025 18:27	238869
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/09/2025 18:27	238869
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**98.4**	%REC	1	05/09/2025 18:27	238869
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.9**	%REC	1	05/09/2025 18:27	238869
Surr: Dibromofluoromethane	*	0	80-120		**100.1**	%REC	1	05/09/2025 18:27	238869
Surr: Toluene-d8	*	0	80-120		**99.9**	%REC	1	05/09/2025 18:27	238869

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Lab ID: 25050776-026 **Client Sample ID:** DUP-003-WG-20250508

Matrix: GROUNDWATER **Collection Date:** 05/08/2025 0:03

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		**0.0228**	mg/L	50	05/15/2025 14:11	239097
Acenaphthylene	NELAP	0.00250	0.00500		**0.0326**	mg/L	50	05/15/2025 14:11	239097
Anthracene	NELAP	0.0100	0.0150		**0.0160**	mg/L	50	05/15/2025 14:11	239097
Benzo(a)anthracene	NELAP	0.00350	0.00500		**0.0245**	mg/L	50	05/15/2025 14:11	239097
Benzo(a)pyrene	NELAP	.000110	0.000200		**0.00399**	mg/L	1	05/15/2025 16:45	239097
Benzo(b)fluoranthene	NELAP	0.00650	0.0100		**0.0354**	mg/L	50	05/15/2025 14:11	239097
Benzo(g,h,i)perylene	NELAP	0.0060	0.010	J	**0.0067**	mg/L	50	05/15/2025 14:11	239097
Benzo(k)fluoranthene	NELAP	0.00600	0.0100		**0.0118**	mg/L	50	05/15/2025 14:11	239097
Bis(2-ethylhexyl)phthalate	NELAP	0.0014	0.0020	J	**0.0018**	mg/L	1	05/15/2025 16:45	239097
Chrysene	NELAP	0.00600	0.0100		**0.0504**	mg/L	50	05/15/2025 14:11	239097
Dibenzo(a,h)anthracene	NELAP	.000120	0.000200		**0.00482**	mg/L	1	05/15/2025 16:45	239097
Di-n-butyl phthalate	NELAP	.000830	0.0100		**ND**	mg/L	1	05/15/2025 16:45	239097
Fluoranthene	NELAP	0.0135	0.0150		**0.102**	mg/L	50	05/15/2025 14:11	239097
Fluorene	NELAP	0.00850	0.0100		**0.102**	mg/L	50	05/15/2025 14:11	239097
Indeno(1,2,3-cd)pyrene	NELAP	0.0080	0.010	J	**0.0091**	mg/L	50	05/15/2025 14:11	239097
m,p-Cresol	NELAP	0.00059	0.010	J	**0.0027**	mg/L	1	05/15/2025 16:45	239097
Naphthalene	NELAP	0.0800	0.200		**0.263**	mg/L	500	05/15/2025 16:06	239097
o-Cresol	NELAP	.000540	0.0100		**ND**	mg/L	1	05/15/2025 16:45	239097
Phenanthrene	NELAP	0.265	0.300		**ND**	mg/L	500	05/15/2025 16:06	239097
Pyrene	NELAP	0.00900	0.0100		**0.0798**	mg/L	50	05/15/2025 14:11	239097
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**83.6**	%REC	50	05/15/2025 14:11	239097
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**55.5**	%REC	50	05/15/2025 14:11	239097
Surr: 2-Fluorophenol	*	0	30-130		**76.0**	%REC	50	05/15/2025 14:11	239097
Surr: Nitrobenzene-d5	*	0	40.7-126		**79.8**	%REC	50	05/15/2025 14:11	239097
Surr: Phenol-d5	*	0	20.5-122		**47.8**	%REC	50	05/15/2025 14:11	239097
Surr: p-Terphenyl-d14	*	0	44-147		**98.2**	%REC	50	05/15/2025 14:11	239097

Elevated reporting limit due to high levels of target analytes.

Allowable Marginal Exceedance of Benzo(b)fluoranthene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030B, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.50	5.00		**883**	µg/L	10	05/09/2025 18:53	238869
Bromoform	NELAP	0.90	2.00		**ND**	µg/L	10	05/09/2025 18:53	238869
Ethylbenzene	NELAP	1.00	10.0		**269**	µg/L	10	05/09/2025 18:53	238869
m,p-Xylenes	NELAP	2.20	10.0		**73.8**	µg/L	10	05/09/2025 18:53	238869
Methylene chloride	NELAP	8.7	20	J	**18**	µg/L	10	05/09/2025 18:53	238869
Naphthalene	NELAP	5.70	20.0		**803**	µg/L	10	05/09/2025 18:53	238869
o-Xylene	NELAP	0.50	10.0		**167**	µg/L	10	05/09/2025 18:53	238869
Toluene	NELAP	1.00	20.0		**185**	µg/L	10	05/09/2025 18:53	238869
trans-1,2-Dichloroethene	NELAP	1.00	20.0		**ND**	µg/L	10	05/09/2025 18:53	238869
Xylenes, Total	NELAP	2.80	20.0		**240**	µg/L	10	05/09/2025 18:53	238869
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**99.2**	%REC	10	05/09/2025 18:53	238869
Surr: 4-Bromofluorobenzene	*	0	80-120		**97.5**	%REC	10	05/09/2025 18:53	238869
Surr: Dibromofluoromethane	*	0	80-120		**100.8**	%REC	10	05/09/2025 18:53	238869
Surr: Toluene-d8	*	0	80-120		**100.7**	%REC	10	05/09/2025 18:53	238869

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

Client: ERM
Work Order: 25050776
Client Project: Ameren Taylorville 2nd Qtr 2025
Report Date: 16-May-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
25050776-001	GW-04R-WG-20250508	Groundwater	2	05/08/2025 10:55
25050776-002	GW-05-WG-20250505	Groundwater	2	05/05/2025 13:55
25050776-003	GW-07-WG-20250507	Groundwater	2	05/07/2025 15:45
25050776-004	GW-14-WG-20250507	Groundwater	2	05/07/2025 14:10
25050776-005	GW-15-WG-20250508	Groundwater	2	05/08/2025 10:35
25050776-006	GW-16S-WG-20250507	Groundwater	2	05/07/2025 9:18
25050776-007	GW-16D-WG-20250507	Groundwater	2	05/07/2025 11:15
25050776-008	GW-17-WG-20250506	Groundwater	2	05/06/2025 15:50
25050776-009	GW-18S-WG-20250506	Groundwater	2	05/06/2025 13:55
25050776-010	GW-18D-WG-20250506	Groundwater	2	05/06/2025 15:00
25050776-011	GW-19S-WG-20250506	Groundwater	2	05/06/2025 12:00
25050776-012	GW-19D-WG-20250506	Groundwater	2	05/06/2025 11:00
25050776-013	GW-20-WG-20250506	Groundwater	2	05/06/2025 9:20
25050776-014	GW-22S-WG-20250508	Groundwater	2	05/08/2025 9:00
25050776-015	GW-22D-WG-20250507	Groundwater	2	05/07/2025 17:15
25050776-016	DUP-001-WG-20250507	Groundwater	2	05/07/2025 0:01
25050776-017	TB-001-WQ-20250505	Trip Blank	1	05/08/2025 12:45
25050776-018	DUP-002-WG-20250508	Groundwater	2	05/08/2025 0:02
25050776-019	GW-101S-WG-20250505	Groundwater	2	05/05/2025 14:25
25050776-020	GW-102S-WG-20250505	Groundwater	2	05/05/2025 15:30
25050776-021	GW-102D-WG-20250505	Groundwater	2	05/05/2025 15:15
25050776-022	GW-25-WG-20250507	Groundwater	2	05/07/2025 12:00
25050776-023	GW-26-WG-20250506	Groundwater	2	05/06/2025 8:40
25050776-024	EQB-001-WQ-20250505	Groundwater	2	05/05/2025 11:36
25050776-025	GW-20FF-WG-20250506	Groundwater	2	05/06/2025 9:20
25050776-026	DUP-003-WG-20250508	Groundwater	2	05/08/2025 0:03

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
25050776-001A	GW-04R-WG-20250508	05/08/2025 10:55	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/14/2025 9:35	05/14/2025 22:26
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/14/2025 9:35	05/15/2025 13:32
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/14/2025 9:35	05/15/2025 14:47
25050776-001B	GW-04R-WG-20250508	05/08/2025 10:55	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 11:29
25050776-002A	GW-05-WG-20250505	05/05/2025 13:55	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2025 9:48	05/12/2025 15:03
25050776-002B	GW-05-WG-20250505	05/05/2025 13:55	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 12:44
25050776-003A	GW-07-WG-20250507	05/07/2025 15:45	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/12/2025 8:02	05/12/2025 21:33
25050776-003B	GW-07-WG-20250507	05/07/2025 15:45	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 13:09
25050776-004A	GW-14-WG-20250507	05/07/2025 14:10	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/12/2025 8:02	05/12/2025 22:12
25050776-004B	GW-14-WG-20250507	05/07/2025 14:10	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 13:34
25050776-005A	GW-15-WG-20250508	05/08/2025 10:35	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/14/2025 9:35	05/14/2025 20:29
25050776-005B	GW-15-WG-20250508	05/08/2025 10:35	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 13:59
25050776-006A	GW-16S-WG-20250507	05/07/2025 9:18	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/12/2025 8:02	05/12/2025 22:51
25050776-006B	GW-16S-WG-20250507	05/07/2025 9:18	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 14:23
25050776-007A	GW-16D-WG-20250507	05/07/2025 11:15	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/12/2025 8:02	05/12/2025 23:30
25050776-007B	GW-16D-WG-20250507	05/07/2025 11:15	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 14:48
25050776-008A	GW-17-WG-20250506	05/06/2025 15:50	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2025 9:48	05/12/2025 15:42
25050776-008B	GW-17-WG-20250506	05/06/2025 15:50	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 15:13
25050776-009A	GW-18S-WG-20250506	05/06/2025 13:55	05/08/2025 12:45		

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-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			05/11/2025 9:48	05/12/2025 13:45
25050776-009B	GW-18S-WG-20250506	05/06/2025 13:55	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 15:40
25050776-010A	GW-18D-WG-20250506	05/06/2025 15:00	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2025 9:48	05/12/2025 14:24
25050776-010B	GW-18D-WG-20250506	05/06/2025 15:00	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 16:05
25050776-011A	GW-19S-WG-20250506	05/06/2025 12:00	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/12/2025 8:02	05/13/2025 0:09
25050776-011B	GW-19S-WG-20250506	05/06/2025 12:00	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 16:30
25050776-012A	GW-19D-WG-20250506	05/06/2025 11:00	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/12/2025 8:02	05/13/2025 0:48
25050776-012B	GW-19D-WG-20250506	05/06/2025 11:00	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 16:55
25050776-013A	GW-20-WG-20250506	05/06/2025 9:20	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/12/2025 8:02	05/13/2025 1:27
25050776-013B	GW-20-WG-20250506	05/06/2025 9:20	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 17:20
25050776-014A	GW-22S-WG-20250508	05/08/2025 9:00	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/14/2025 9:35	05/14/2025 21:08
25050776-014B	GW-22S-WG-20250508	05/08/2025 9:00	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 17:45
25050776-015A	GW-22D-WG-20250507	05/07/2025 17:15	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/12/2025 8:02	05/13/2025 2:06
25050776-015B	GW-22D-WG-20250507	05/07/2025 17:15	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 18:10
25050776-016A	DUP-001-WG-20250507	05/07/2025 0:01	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/12/2025 8:02	05/13/2025 2:45
25050776-016B	DUP-001-WG-20250507	05/07/2025 0:01	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 18:35
25050776-017A	TB-001-WQ-20250505	05/08/2025 12:45	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 19:00
25050776-018A	DUP-002-WG-20250508	05/08/2025 0:02	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/14/2025 9:35	05/14/2025 21:47

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
25050776-018B	DUP-002-WG-20250508	05/08/2025 0:02	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 19:25
25050776-019A	GW-101S-WG-20250505	05/05/2025 14:25	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2025 9:48	05/12/2025 16:21
25050776-019B	GW-101S-WG-20250505	05/05/2025 14:25	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 19:50
25050776-020A	GW-102S-WG-20250505	05/05/2025 15:30	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2025 9:48	05/12/2025 17:00
25050776-020B	GW-102S-WG-20250505	05/05/2025 15:30	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 20:15
25050776-021A	GW-102D-WG-20250505	05/05/2025 15:15	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2025 9:48	05/12/2025 17:39
25050776-021B	GW-102D-WG-20250505	05/05/2025 15:15	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 20:40
25050776-022A	GW-25-WG-20250507	05/07/2025 12:00	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/12/2025 8:02	05/13/2025 3:24
25050776-022B	GW-25-WG-20250507	05/07/2025 12:00	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/12/2025 12:30
25050776-023A	GW-26-WG-20250506	05/06/2025 8:40	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/12/2025 8:02	05/13/2025 5:21
25050776-023B	GW-26-WG-20250506	05/06/2025 8:40	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 17:34
25050776-024A	EQB-001-WQ-20250505	05/05/2025 11:36	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2025 9:48	05/12/2025 13:06
25050776-024B	EQB-001-WQ-20250505	05/05/2025 11:36	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 18:00
25050776-025A	GW-20FF-WG-20250506	05/06/2025 9:20	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/12/2025 8:02	05/13/2025 6:00
25050776-025B	GW-20FF-WG-20250506	05/06/2025 9:20	05/08/2025 12:45		
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 18:27
25050776-026A	DUP-003-WG-20250508	05/08/2025 0:03	05/08/2025 12:45		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/14/2025 18:06	05/15/2025 14:11
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/14/2025 18:06	05/15/2025 16:06
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/14/2025 18:06	05/15/2025 16:45
25050776-026B	DUP-003-WG-20250508	05/08/2025 0:03	05/08/2025 12:45		

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 5030B, 8260B, Volatile Organic Compounds by GC/MS				05/09/2025 18:53

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238943 **SampType:** MBLK Units **mg/L**

SampID: MBLK-238943

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						05/12/2025
Acenaphthylene		0.000100		**ND**						05/12/2025
Anthracene		0.000300		**ND**						05/12/2025
Benzo(a)anthracene		0.000100		**ND**						05/12/2025
Benzo(a)pyrene		0.000200		**ND**						05/12/2025
Benzo(b)fluoranthene		0.000200		**ND**						05/12/2025
Benzo(g,h,i)perylene		0.000200		**ND**						05/12/2025
Benzo(k)fluoranthene		0.000200		**ND**						05/12/2025
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						05/12/2025
Chrysene		0.000200		**ND**						05/12/2025
Dibenzo(a,h)anthracene		0.000200		**ND**						05/12/2025
Di-n-butyl phthalate		0.0100		**ND**						05/12/2025
Fluoranthene		0.000300		**ND**						05/12/2025
Fluorene		0.000200		**ND**						05/12/2025
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						05/12/2025
m,p-Cresol		0.0100		**ND**						05/12/2025
Naphthalene		0.000400		**ND**						05/12/2025
o-Cresol		0.0100		**ND**						05/12/2025
Phenanthrene		0.000600		**ND**						05/12/2025
Pyrene		0.000200		**ND**						05/12/2025
Surr: 2,4,6-Tribromophenol	*			**0.00147**	0.0020		73.4	47.8	164	05/12/2025
Surr: 2-Fluorobiphenyl	*			**0.000495**	0.0010		49.5	44.7	120	05/12/2025
Surr: 2-Fluorophenol	*			**0.00134**	0.0020		66.9	51.9	117	05/12/2025
Surr: Nitrobenzene-d5	*			**0.000567**	0.0010		56.7	55.8	116	05/12/2025
Surr: Phenol-d5	*			**0.00103**	0.0020		51.6	36.1	109	05/12/2025
Surr: p-Terphenyl-d14	*			**0.000688**	0.0010		68.8	61.7	141	05/12/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238943 **SampType:** LCS Units **mg/L**

SampID: LCS-238943

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00110**	0.0020	0	55.2	43.3	98.6	05/12/2025
Acenaphthylene		0.000100		**0.00109**	0.0020	0	54.6	46.1	98.7	05/12/2025
Anthracene		0.000300		**0.00120**	0.0020	0	60.1	50.3	106	05/12/2025
Benzo(a)anthracene		0.000100		**0.00138**	0.0020	0	68.9	48.5	110	05/12/2025
Benzo(a)pyrene		0.000200		**0.00139**	0.0020	0	69.3	47.5	121	05/12/2025
Benzo(b)fluoranthene		0.000200		**0.00153**	0.0020	0	76.5	54.9	109	05/12/2025
Benzo(g,h,i)perylene		0.000200		**0.00111**	0.0020	0	55.4	52.8	115	05/12/2025
Benzo(k)fluoranthene		0.000200		**0.00145**	0.0020	0	72.5	50.2	120	05/12/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0018**	0.0020	0	92.6	73.5	162	05/12/2025
Chrysene		0.000200		**0.00129**	0.0020	0	64.5	47.2	122	05/12/2025
Dibenzo(a,h)anthracene		0.000200		**0.00122**	0.0020	0	61.0	50.8	126	05/12/2025
Di-n-butyl phthalate		0.0100	J	**0.0017**	0.0020	0	83.6	62.9	145	05/12/2025
Fluoranthene		0.000300		**0.00130**	0.0020	0	65.1	56.3	117	05/12/2025
Fluorene		0.000200		**0.00115**	0.0020	0	57.3	50	105	05/12/2025
Indeno(1,2,3-cd)pyrene		0.000200		**0.00124**	0.0020	0	61.9	51.2	124	05/12/2025
m,p-Cresol		0.0100	J	**0.0093**	0.0200	0	46.5	41	105	05/12/2025
Naphthalene		0.000400		**0.00101**	0.0020	0	50.5	36.5	98.1	05/12/2025
o-Cresol		0.0100	J	**0.0097**	0.0200	0	48.5	46.4	104	05/12/2025
Phenanthrene		0.000600		**0.00132**	0.0020	0	66.1	56.4	108	05/12/2025
Pyrene		0.000200		**0.00121**	0.0020	0	60.7	53.1	114	05/12/2025
Surr: 2,4,6-Tribromophenol	*			**0.00143**	0.0020		71.3	47	151	05/12/2025
Surr: 2-Fluorobiphenyl	*			**0.000506**	0.0010		50.6	42.6	110	05/12/2025
Surr: 2-Fluorophenol	*			**0.00142**	0.0020		70.9	42.4	124	05/12/2025
Surr: Nitrobenzene-d5	*			**0.000557**	0.0010		55.7	50.4	114	05/12/2025
Surr: Phenol-d5	*			**0.00120**	0.0020		60.0	35.1	109	05/12/2025
Surr: p-Terphenyl-d14	*			**0.000631**	0.0010		63.1	57.6	137	05/12/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238943 **SampType:** LCSD Units **mg/L** RPD Limit **34.5**

SampID: LCSD-238943

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00112**	0.0020	0	56.2	0.001098	2.25	05/13/2025
Acenaphthylene		0.000100		**0.00112**	0.0020	0	56.1	0.001098	2.18	05/13/2025
Anthracene		0.000300		**0.00124**	0.0020	0	62.1	0.001211	2.53	05/13/2025
Benzo(a)anthracene		0.000100		**0.00139**	0.0020	0	69.3	0.001347	2.91	05/13/2025
Benzo(a)pyrene		0.000200		**0.00143**	0.0020	0	71.5	0.001458	2.02	05/13/2025
Benzo(b)fluoranthene		0.000200		**0.00148**	0.0020	0	74.2	0.001522	2.50	05/13/2025
Benzo(g,h,i)perylene		0.000200		**0.00142**	0.0020	0	70.8	0.001176	18.56	05/13/2025
Benzo(k)fluoranthene		0.000200		**0.00144**	0.0020	0	71.8	0.001486	3.41	05/13/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0015**	0.0020	0	76.5	0.001766	0.00	05/13/2025
Chrysene		0.000200		**0.00126**	0.0020	0	63.2	0.001279	1.29	05/13/2025
Dibenzo(a,h)anthracene		0.000200		**0.00165**	0.0020	0	82.4	0.001353	19.62	05/13/2025
Di-n-butyl phthalate		0.0100	J	**0.0015**	0.0020	0	76.8	0.001682	0.00	05/13/2025
Fluoranthene		0.000300		**0.00134**	0.0020	0	67.0	0.001271	5.22	05/13/2025
Fluorene		0.000200		**0.00116**	0.0020	0	58.0	0.001138	1.90	05/13/2025
Indeno(1,2,3-cd)pyrene		0.000200		**0.00158**	0.0020	0	78.9	0.001347	15.81	05/13/2025
m,p-Cresol		0.0100	J	**0.0094**	0.0200	0	47.1	0.008984	0.00	05/13/2025
Naphthalene		0.000400		**0.00107**	0.0020	0	53.6	0.001024	4.65	05/13/2025
o-Cresol		0.0100		**0.0101**	0.0200	0	50.4	0.009931	1.58	05/13/2025
Phenanthrene		0.000600		**0.00129**	0.0020	0	64.5	0.001306	1.28	05/13/2025
Pyrene		0.000200		**0.00128**	0.0020	0	63.8	0.001213	5.09	05/13/2025
Surr: 2,4,6-Tribromophenol	*			**0.00156**	0.0020		78.1			05/13/2025
Surr: 2-Fluorobiphenyl	*			**0.000530**	0.0010		53.0			05/13/2025
Surr: 2-Fluorophenol	*			**0.00145**	0.0020		72.6			05/13/2025
Surr: Nitrobenzene-d5	*			**0.000578**	0.0010		57.8			05/13/2025
Surr: Phenol-d5	*			**0.00127**	0.0020		63.4			05/13/2025
Surr: p-Terphenyl-d14	*			**0.000684**	0.0010		68.4			05/13/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238943 **SampType:** MS Units **mg/L**

SampID: 25050776-022AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00108**	0.0020	0	54.1	28.9	125	05/13/2025
Acenaphthylene		0.000100		**0.00107**	0.0020	0	53.7	30.2	126	05/13/2025
Anthracene		0.000300		**0.00121**	0.0020	0	60.3	36.6	127	05/13/2025
Benzo(a)anthracene		0.000100		**0.00135**	0.0020	0	67.6	33.3	134	05/13/2025
Benzo(a)pyrene		0.000200		**0.00136**	0.0020	0	67.8	22.5	144	05/13/2025
Benzo(b)fluoranthene		0.000200		**0.00145**	0.0020	0	72.5	39.3	140	05/13/2025
Benzo(g,h,i)perylene		0.000200		**0.00110**	0.0020	0	55.2	37.8	130	05/13/2025
Benzo(k)fluoranthene		0.000200		**0.00138**	0.0020	0	69.2	36.9	137	05/13/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0018**	0.0020	0	92.6	25.7	211	05/13/2025
Chrysene		0.000200		**0.00135**	0.0020	0	67.6	33.9	138	05/13/2025
Dibenzo(a,h)anthracene		0.000200		**0.00122**	0.0020	0	60.9	33.8	151	05/13/2025
Di-n-butyl phthalate		0.0100	J	**0.0016**	0.0020	0	79.2	52.3	162	05/13/2025
Fluoranthene		0.000300		**0.00116**	0.0020	0	58.1	43.5	135	05/13/2025
Fluorene		0.000200		**0.00113**	0.0020	0	56.4	35.7	129	05/13/2025
Indeno(1,2,3-cd)pyrene		0.000200		**0.00124**	0.0020	0	62.1	34	149	05/13/2025
m,p-Cresol		0.0100	JS	**0.0088**	0.0200	0	44.0	52.9	105	05/13/2025
Naphthalene		0.000400		**0.000940**	0.0020	0	47.0	20.8	125	05/13/2025
o-Cresol		0.0100	JS	**0.0097**	0.0200	0	48.3	57.6	104	05/13/2025
Phenanthrene		0.000600		**0.00125**	0.0020	0	62.6	36.8	137	05/13/2025
Pyrene		0.000200		**0.00111**	0.0020	0	55.5	39.2	129	05/13/2025
Surr: 2,4,6-Tribromophenol	*			**0.00149**	0.0020		74.4	31.7	161	05/13/2025
Surr: 2-Fluorobiphenyl	*			**0.000492**	0.0010		49.2	37.7	123	05/13/2025
Surr: 2-Fluorophenol	*			**0.00140**	0.0020		70.1	30	130	05/13/2025
Surr: Nitrobenzene-d5	*			**0.000539**	0.0010		53.9	40.7	126	05/13/2025
Surr: Phenol-d5	*			**0.00117**	0.0020		58.7	20.5	122	05/13/2025
Surr: p-Terphenyl-d14	*			**0.000611**	0.0010		61.1	44	147	05/13/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238943 **SampType:** MSD Units **mg/L** RPD Limit **22.6**

SampID: 25050776-022AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00111**	0.0020	0	55.6	0.001081	2.75	05/13/2025
Acenaphthylene		0.000100		**0.00112**	0.0020	0	56.2	0.001074	4.63	05/13/2025
Anthracene		0.000300		**0.00123**	0.0020	0	61.3	0.001205	1.72	05/13/2025
Benzo(a)anthracene		0.000100		**0.00139**	0.0020	0	69.4	0.001352	2.53	05/13/2025
Benzo(a)pyrene		0.000200		**0.00138**	0.0020	0	69.1	0.001357	1.88	05/13/2025
Benzo(b)fluoranthene		0.000200		**0.00149**	0.0020	0	74.4	0.001450	2.59	05/13/2025
Benzo(g,h,i)perylene		0.000200		**0.00112**	0.0020	0	56.2	0.001104	1.80	05/13/2025
Benzo(k)fluoranthene		0.000200		**0.00144**	0.0020	0	72.2	0.001383	4.29	05/13/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0020**	0.0020	0	98.3	0.001852	0.00	05/13/2025
Chrysene		0.000200		**0.00138**	0.0020	0	68.9	0.001353	1.91	05/13/2025
Dibenzo(a,h)anthracene		0.000200		**0.00130**	0.0020	0	65.2	0.001217	6.89	05/13/2025
Di-n-butyl phthalate		0.0100	J	**0.0016**	0.0020	0	79.0	0.001584	0.00	05/13/2025
Fluoranthene		0.000300		**0.00127**	0.0020	0	63.6	0.001162	9.05	05/13/2025
Fluorene		0.000200		**0.00116**	0.0020	0	57.8	0.001129	2.45	05/13/2025
Indeno(1,2,3-cd)pyrene		0.000200		**0.00130**	0.0020	0	65.0	0.001243	4.51	05/13/2025
m,p-Cresol		0.0100	JS	**0.0090**	0.0200	0	44.8	0.008806	0.00	05/13/2025
Naphthalene		0.000400		**0.000970**	0.0020	0	48.5	0.0009405	3.09	05/13/2025
o-Cresol		0.0100	S	**0.0100**	0.0200	0	50.2	0.009663	3.74	05/13/2025
Phenanthrene		0.000600		**0.00130**	0.0020	0	65.2	0.001252	4.12	05/13/2025
Pyrene		0.000200		**0.00113**	0.0020	0	56.3	0.001109	1.52	05/13/2025
Surr: 2,4,6-Tribromophenol	*			**0.00175**	0.0020		87.5			05/13/2025
Surr: 2-Fluorobiphenyl	*			**0.000513**	0.0010		51.3			05/13/2025
Surr: 2-Fluorophenol	*			**0.00150**	0.0020		75.0			05/13/2025
Surr: Nitrobenzene-d5	*			**0.000588**	0.0010		58.8			05/13/2025
Surr: Phenol-d5	*			**0.00124**	0.0020		62.2			05/13/2025
Surr: p-Terphenyl-d14	*			**0.000715**	0.0010		71.5			05/13/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 239097 **SampType:** MBLK Units **mg/L**

SampID: MBLK-239097

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						05/14/2025
Acenaphthylene		0.000100		**ND**						05/14/2025
Anthracene		0.000300		**ND**						05/14/2025
Benzo(a)anthracene		0.000100		**ND**						05/14/2025
Benzo(a)pyrene		0.000200		**ND**						05/14/2025
Benzo(b)fluoranthene		0.000200		**ND**						05/14/2025
Benzo(g,h,i)perylene		0.000200		**ND**						05/14/2025
Benzo(k)fluoranthene		0.000200		**ND**						05/14/2025
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						05/14/2025
Chrysene		0.000200		**ND**						05/14/2025
Dibenzo(a,h)anthracene		0.000200		**ND**						05/14/2025
Di-n-butyl phthalate		0.0100		**ND**						05/14/2025
Fluoranthene		0.000300		**ND**						05/14/2025
Fluorene		0.000200		**ND**						05/14/2025
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						05/14/2025
m,p-Cresol		0.0100		**ND**						05/14/2025
Naphthalene		0.000400		**ND**						05/14/2025
o-Cresol		0.0100		**ND**						05/14/2025
Phenanthrene		0.000600		**ND**						05/14/2025
Pyrene		0.000200		**ND**						05/14/2025
Surr: 2,4,6-Tribromophenol	*			**0.00144**	0.0020		72.0	47	151	05/14/2025
Surr: 2-Fluorobiphenyl	*			**0.000516**	0.0010		51.6	42.6	110	05/14/2025
Surr: 2-Fluorophenol	*			**0.00140**	0.0020		69.9	42.4	124	05/14/2025
Surr: Nitrobenzene-d5	*			**0.000544**	0.0010		54.4	50.4	114	05/14/2025
Surr: Phenol-d5	*			**0.00121**	0.0020		60.4	35.1	109	05/14/2025
Surr: p-Terphenyl-d14	*			**0.000686**	0.0010		68.6	57.6	137	05/14/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 239097 **SampType:** LCS Units **mg/L**

SampID: LCS -239097

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00169**	0.0020	0	84.3	43.3	98.6	05/15/2025
Acenaphthylene		0.000100		**0.00167**	0.0020	0	83.4	46.1	98.7	05/15/2025
Anthracene		0.000300		**0.00189**	0.0020	0	94.5	50.3	106	05/15/2025
Benzo(a)anthracene		0.000100		**0.00205**	0.0020	0	102.7	48.5	110	05/15/2025
Benzo(a)pyrene		0.000200		**0.00221**	0.0020	0	110.4	47.5	121	05/15/2025
Benzo(b)fluoranthene		0.000200	S	**0.00223**	0.0020	0	111.5	54.9	109	05/15/2025
Benzo(g,h,i)perylene		0.000200		**0.00198**	0.0020	0	98.8	52.8	115	05/15/2025
Benzo(k)fluoranthene		0.000200		**0.00230**	0.0020	0	115.2	50.2	120	05/15/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0023**	0.0020	0	115.0	73.5	162	05/15/2025
Chrysene		0.000200		**0.00204**	0.0020	0	102.2	47.2	122	05/15/2025
Dibenzo(a,h)anthracene		0.000200		**0.00235**	0.0020	0	117.5	50.8	126	05/15/2025
Di-n-butyl phthalate		0.0100	J	**0.0022**	0.0020	0	109.0	62.9	145	05/15/2025
Fluoranthene		0.000300		**0.00190**	0.0020	0	95.2	56.3	117	05/15/2025
Fluorene		0.000200		**0.00176**	0.0020	0	87.9	50	105	05/15/2025
Indeno(1,2,3-cd)pyrene		0.000200		**0.00231**	0.0020	0	115.5	51.2	124	05/15/2025
m,p-Cresol		0.0100		**0.0121**	0.0200	0	60.4	41	105	05/15/2025
Naphthalene		0.000400		**0.00150**	0.0020	0	74.8	36.5	98.1	05/15/2025
o-Cresol		0.0100		**0.0127**	0.0200	0	63.7	46.4	104	05/15/2025
Phenanthrene		0.000600		**0.00192**	0.0020	0	95.8	56.4	108	05/15/2025
Pyrene		0.000200		**0.00182**	0.0020	0	91.2	53.1	114	05/15/2025
Surr: 2,4,6-Tribromophenol	*			**0.00202**	0.0020		100.8	47	151	05/15/2025
Surr: 2-Fluorobiphenyl	*			**0.000626**	0.0010		62.6	42.6	110	05/15/2025
Surr: 2-Fluorophenol	*			**0.00161**	0.0020		80.6	42.4	124	05/15/2025
Surr: Nitrobenzene-d5	*			**0.000690**	0.0010		69.0	50.4	114	05/15/2025
Surr: Phenol-d5	*			**0.00137**	0.0020		68.5	35.1	109	05/15/2025
Surr: p-Terphenyl-d14	*			**0.000860**	0.0010		86.0	57.6	137	05/15/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 239097 **SampType:** LCSD Units **mg/L** RPD Limit **34.5**

SampID: LCSD-239097

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00160**	0.0020	0	79.9	0.001687	5.41	05/15/2025
Acenaphthylene		0.000100		**0.00155**	0.0020	0	77.5	0.001667	7.25	05/15/2025
Anthracene		0.000300		**0.00170**	0.0020	0	84.9	0.001890	10.66	05/15/2025
Benzo(a)anthracene		0.000100		**0.00173**	0.0020	0	86.5	0.002054	17.10	05/15/2025
Benzo(a)pyrene		0.000200		**0.00202**	0.0020	0	101.2	0.002208	8.68	05/15/2025
Benzo(b)fluoranthene		0.000200		**0.00198**	0.0020	0	99.2	0.002230	11.64	05/15/2025
Benzo(g,h,i)perylene		0.000200		**0.00179**	0.0020	0	89.3	0.001976	10.10	05/15/2025
Benzo(k)fluoranthene		0.000200		**0.00204**	0.0020	0	102.2	0.002304	11.94	05/15/2025
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0020**	0.0020	0	100.4	0.002299	0.00	05/15/2025
Chrysene		0.000200		**0.00177**	0.0020	0	88.6	0.002044	14.21	05/15/2025
Dibenzo(a,h)anthracene		0.000200		**0.00221**	0.0020	0	110.4	0.002350	6.24	05/15/2025
Di-n-butyl phthalate		0.0100	J	**0.0020**	0.0020	0	97.5	0.002179	0.00	05/15/2025
Fluoranthene		0.000300		**0.00166**	0.0020	0	83.2	0.001904	13.38	05/15/2025
Fluorene		0.000200		**0.00164**	0.0020	0	82.0	0.001758	6.91	05/15/2025
Indeno(1,2,3-cd)pyrene		0.000200		**0.00206**	0.0020	0	103.0	0.002310	11.48	05/15/2025
m,p-Cresol		0.0100		**0.0110**	0.0200	0	54.8	0.01207	9.64	05/15/2025
Naphthalene		0.000400		**0.00150**	0.0020	0	75.0	0.001497	0.25	05/15/2025
o-Cresol		0.0100		**0.0118**	0.0200	0	58.9	0.01274	7.81	05/15/2025
Phenanthrene		0.000600		**0.00174**	0.0020	0	87.0	0.001916	9.66	05/15/2025
Pyrene		0.000200		**0.00163**	0.0020	0	81.3	0.001824	11.42	05/15/2025
Surr: 2,4,6-Tribromophenol	*			**0.00211**	0.0020		105.6			05/15/2025
Surr: 2-Fluorobiphenyl	*			**0.000680**	0.0010		68.0			05/15/2025
Surr: 2-Fluorophenol	*			**0.00173**	0.0020		86.6			05/15/2025
Surr: Nitrobenzene-d5	*			**0.000748**	0.0010		74.8			05/15/2025
Surr: Phenol-d5	*			**0.00144**	0.0020		72.1			05/15/2025
Surr: p-Terphenyl-d14	*			**0.000902**	0.0010		90.2			05/15/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238869 **SampType:** MBLK Units µg/L

SampID: MBLK-AE250509A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						05/09/2025
Bromoform		2.0		**ND**						05/09/2025
Ethylbenzene		2.0		**ND**						05/09/2025
m,p-Xylenes		2.0		**ND**						05/09/2025
Methylene chloride		2.0		**ND**						05/09/2025
Naphthalene		5.0		**ND**						05/09/2025
o-Xylene		2.0		**ND**						05/09/2025
Toluene		2.0		**ND**						05/09/2025
trans-1,2-Dichloroethene		2.0		**ND**						05/09/2025
Xylenes, Total		4.0		**ND**						05/09/2025
Surr: 1,2-Dichloroethane-d4	*			**48.7**	50.00		97.5	80	120	05/09/2025
Surr: 4-Bromofluorobenzene	*			**49.2**	50.00		98.4	80	120	05/09/2025
Surr: Dibromofluoromethane	*			**50.1**	50.00		100.2	80	120	05/09/2025
Surr: Toluene-d8	*			**50.6**	50.00		101.1	80	120	05/09/2025

Batch 238869 **SampType:** LCS Units µg/L

SampID: LCS-AE250509A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**49.5**	50.00	0	99.0	81.6	120	05/09/2025
Bromoform		2.0		**52.5**	50.00	0	104.9	81.5	118	05/09/2025
Ethylbenzene		2.0		**48.9**	50.00	0	97.8	82.4	116	05/09/2025
m,p-Xylenes		2.0		**99.0**	100.0	0	99.0	82.5	117	05/09/2025
Methylene chloride		2.0		**46.5**	50.00	0	93.0	75.3	122	05/09/2025
Naphthalene		5.0		**49.9**	50.00	0	99.8	71	126	05/09/2025
o-Xylene		2.0		**48.1**	50.00	0	96.2	83	114	05/09/2025
Toluene		2.0		**48.2**	50.00	0	96.4	82.3	113	05/09/2025
trans-1,2-Dichloroethene		2.0		**50.2**	50.00	0	100.3	79.9	124	05/09/2025
Xylenes, Total		4.0		**147**	150.0	0	98.1	82.7	116	05/09/2025
Surr: 1,2-Dichloroethane-d4	*			**48.2**	50.00		96.3	80	120	05/09/2025
Surr: 4-Bromofluorobenzene	*			**50.0**	50.00		100.1	80	120	05/09/2025
Surr: Dibromofluoromethane	*			**50.2**	50.00		100.3	80	120	05/09/2025
Surr: Toluene-d8	*			**49.2**	50.00		98.4	80	120	05/09/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238869 **SampType:** LCSD Units µg/L RPD Limit 20

SampID: LCSD-AE250509A-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	103.2	49.51	4.11	05/09/2025
Bromoform		2.0		**54.1**	50.00	0	108.2	52.47	3.06	05/09/2025
Ethylbenzene		2.0		**50.7**	50.00	0	101.3	48.89	3.56	05/09/2025
m,p-Xylenes		2.0		**103**	100.0	0	102.6	99.02	3.60	05/09/2025
Methylene chloride		2.0		**48.1**	50.00	0	96.2	46.49	3.36	05/09/2025
Naphthalene		5.0		**52.1**	50.00	0	104.1	49.89	4.26	05/09/2025
o-Xylene		2.0		**50.2**	50.00	0	100.3	48.08	4.21	05/09/2025
Toluene		2.0		**50.0**	50.00	0	100.0	48.18	3.71	05/09/2025
trans-1,2-Dichloroethene		2.0		**52.2**	50.00	0	104.4	50.15	4.01	05/09/2025
Xylenes, Total		4.0		**153**	150.0	0	101.9	147.1	3.80	05/09/2025
Surr: 1,2-Dichloroethane-d4	*			**48.1**	50.00		96.3			05/09/2025
Surr: 4-Bromofluorobenzene	*			**49.6**	50.00		99.2			05/09/2025
Surr: Dibromofluoromethane	*			**50.2**	50.00		100.5			05/09/2025
Surr: Toluene-d8	*			**49.2**	50.00		98.5			05/09/2025

Batch 238869 **SampType:** LCS Units µg/L

SampID: QCS-AE250509A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**49.5**	50.00	0	99.0	65	135	05/09/2025
Bromoform		2.0		**52.5**	50.00	0	104.9	70	130	05/09/2025
Ethylbenzene		2.0		**48.9**	50.00	0	97.8	60	140	05/09/2025
m,p-Xylenes		2.0		**99.0**	100.0	0	99.0	60	140	05/09/2025
Methylene chloride		2.0		**46.5**	50.00	0	93.0	60	140	05/09/2025
Naphthalene		5.0		**49.9**	50.00	0	99.8	60	140	05/09/2025
o-Xylene	*	2.0		**48.1**	50.00	0	96.2	60	140	05/09/2025
Toluene		2.0		**48.2**	50.00	0	96.4	70	130	05/09/2025
trans-1,2-Dichloroethene		2.0		**50.2**	50.00	0	100.3	70	130	05/09/2025
Xylenes, Total		4.0		**147**	150.0	0	98.1	60	140	05/09/2025
Surr: 1,2-Dichloroethane-d4	*			**48.2**	50.00		96.3	80	120	05/09/2025
Surr: 4-Bromofluorobenzene	*			**50.0**	50.00		100.1	80	120	05/09/2025
Surr: Dibromofluoromethane	*			**50.2**	50.00		100.3	80	120	05/09/2025
Surr: Toluene-d8	*			**49.2**	50.00		98.4	80	120	05/09/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238869 **SampType:** LCSD Units µg/L RPD Limit 40

SampID: QCSD-AE250509A-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	103.2	49.51	4.11	05/09/2025
Bromoform		2.0		**54.1**	50.00	0	108.2	52.47	3.06	05/09/2025
Ethylbenzene		2.0		**50.7**	50.00	0	101.3	48.89	3.56	05/09/2025
m,p-Xylenes		2.0		**103**	100.0	0	102.6	99.02	3.60	05/09/2025
Methylene chloride		2.0		**48.1**	50.00	0	96.2	46.49	3.36	05/09/2025
Naphthalene		5.0		**52.1**	50.00	0	104.1	49.89	4.26	05/09/2025
o-Xylene	*	2.0		**50.2**	50.00	0	100.3	48.08	4.21	05/09/2025
Toluene		2.0		**50.0**	50.00	0	100.0	48.18	3.71	05/09/2025
trans-1,2-Dichloroethene		2.0		**52.2**	50.00	0	104.4	50.15	4.01	05/09/2025
Xylenes, Total		4.0		**153**	150.0	0	101.9	147.1	3.80	05/09/2025
Surr: 1,2-Dichloroethane-d4	*			**48.1**	50.00		96.3			05/09/2025
Surr: 4-Bromofluorobenzene	*			**49.6**	50.00		99.2			05/09/2025
Surr: Dibromofluoromethane	*			**50.2**	50.00		100.5			05/09/2025
Surr: Toluene-d8	*			**49.2**	50.00		98.5			05/09/2025

Batch 238887 **SampType:** MBLK Units µg/L

SampID: MBLK-AM250509A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						05/09/2025
Bromoform		2.0		**ND**						05/09/2025
Ethylbenzene		2.0		**ND**						05/09/2025
m,p-Xylenes		2.0		**ND**						05/09/2025
Methylene chloride		2.0		**ND**						05/09/2025
Naphthalene		5.0		**ND**						05/09/2025
o-Xylene		2.0		**ND**						05/09/2025
Toluene		2.0		**ND**						05/09/2025
trans-1,2-Dichloroethene		2.0		**ND**						05/09/2025
Xylenes, Total		4.0		**ND**						05/09/2025
Surr: 1,2-Dichloroethane-d4	*			**45.8**	50.00		91.6	80	120	05/09/2025
Surr: 4-Bromofluorobenzene	*			**48.1**	50.00		96.2	80	120	05/09/2025
Surr: Dibromofluoromethane	*			**50.9**	50.00		101.9	80	120	05/09/2025
Surr: Toluene-d8	*			**48.8**	50.00		97.7	80	120	05/09/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238887 **SampType:** LCS Units µg/L

SampID: LCS-AM250509A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**53.2**	50.00	0	106.3	81.6	120	05/09/2025
Bromoform		2.0		**53.0**	50.00	0	106.0	81.5	118	05/09/2025
Ethylbenzene		2.0		**51.4**	50.00	0	102.8	82.4	116	05/09/2025
m,p-Xylenes		2.0		**103**	100.0	0	103.2	82.5	117	05/09/2025
Methylene chloride		2.0		**52.0**	50.00	0	103.9	75.3	122	05/09/2025
Naphthalene		5.0		**56.8**	50.00	0	113.5	71	126	05/09/2025
o-Xylene		2.0		**50.5**	50.00	0	101.1	83	114	05/09/2025
Toluene		2.0		**50.8**	50.00	0	101.6	82.3	113	05/09/2025
trans-1,2-Dichloroethene		2.0		**51.7**	50.00	0	103.4	79.9	124	05/09/2025
Xylenes, Total		4.0		**154**	150.0	0	102.5	82.7	116	05/09/2025
Surr: 1,2-Dichloroethane-d4	*			**46.6**	50.00		93.3	80	120	05/09/2025
Surr: 4-Bromofluorobenzene	*			**49.1**	50.00		98.3	80	120	05/09/2025
Surr: Dibromofluoromethane	*			**51.6**	50.00		103.1	80	120	05/09/2025
Surr: Toluene-d8	*			**48.4**	50.00		96.9	80	120	05/09/2025

Batch 238887 **SampType:** LCSD Units µg/L RPD Limit **20**

SampID: LCSD-AM250509A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**52.8**	50.00	0	105.5	53.15	0.74	05/09/2025
Bromoform		2.0		**51.8**	50.00	0	103.6	52.99	2.29	05/09/2025
Ethylbenzene		2.0		**51.3**	50.00	0	102.5	51.39	0.25	05/09/2025
m,p-Xylenes		2.0		**102**	100.0	0	102.4	103.2	0.78	05/09/2025
Methylene chloride		2.0		**50.7**	50.00	0	101.4	51.95	2.44	05/09/2025
Naphthalene		5.0		**56.9**	50.00	0	113.9	56.76	0.32	05/09/2025
o-Xylene		2.0		**49.9**	50.00	0	99.7	50.53	1.33	05/09/2025
Toluene		2.0		**50.7**	50.00	0	101.5	50.82	0.18	05/09/2025
trans-1,2-Dichloroethene		2.0		**51.2**	50.00	0	102.3	51.68	0.99	05/09/2025
Xylenes, Total		4.0		**152**	150.0	0	101.5	153.7	0.96	05/09/2025
Surr: 1,2-Dichloroethane-d4	*			**46.7**	50.00		93.4			05/09/2025
Surr: 4-Bromofluorobenzene	*			**49.2**	50.00		98.4			05/09/2025
Surr: Dibromofluoromethane	*			**51.4**	50.00		102.8			05/09/2025
Surr: Toluene-d8	*			**48.6**	50.00		97.2			05/09/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238887 **SampType:** LCS Units µg/L

SampID: QCS-AM250509A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**53.2**	50.00	0	106.3	65	135	05/09/2025
Bromoform		2.0		**53.0**	50.00	0	106.0	70	130	05/09/2025
Ethylbenzene		2.0		**51.4**	50.00	0	102.8	60	140	05/09/2025
m,p-Xylenes		2.0		**103**	100.0	0	103.2	60	140	05/09/2025
Methylene chloride		2.0		**52.0**	50.00	0	103.9	60	140	05/09/2025
Naphthalene		5.0		**56.8**	50.00	0	113.5	60	140	05/09/2025
o-Xylene	*	2.0		**50.5**	50.00	0	101.1	60	140	05/09/2025
Toluene		2.0		**50.8**	50.00	0	101.6	70	130	05/09/2025
trans-1,2-Dichloroethene		2.0		**51.7**	50.00	0	103.4	70	130	05/09/2025
Xylenes, Total		4.0		**154**	150.0	0	102.5	60	140	05/09/2025
Surr: 1,2-Dichloroethane-d4	*			**46.6**	50.00		93.3	80	120	05/09/2025
Surr: 4-Bromofluorobenzene	*			**49.1**	50.00		98.3	80	120	05/09/2025
Surr: Dibromofluoromethane	*			**51.6**	50.00		103.1	80	120	05/09/2025
Surr: Toluene-d8	*			**48.4**	50.00		96.9	80	120	05/09/2025

Batch 238887 **SampType:** LCSD Units µg/L RPD Limit **40**

SampID: QCSD-AM250509A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**52.8**	50.00	0	105.5	53.15	0.74	05/09/2025
Bromoform		2.0		**51.8**	50.00	0	103.6	52.99	2.29	05/09/2025
Ethylbenzene		2.0		**51.3**	50.00	0	102.5	51.39	0.25	05/09/2025
m,p-Xylenes		2.0		**102**	100.0	0	102.4	103.2	0.78	05/09/2025
Methylene chloride		2.0		**50.7**	50.00	0	101.4	51.95	2.44	05/09/2025
Naphthalene		5.0		**56.9**	50.00	0	113.9	56.76	0.32	05/09/2025
o-Xylene	*	2.0		**49.9**	50.00	0	99.7	50.53	1.33	05/09/2025
Toluene		2.0		**50.7**	50.00	0	101.5	50.82	0.18	05/09/2025
trans-1,2-Dichloroethene		2.0		**51.2**	50.00	0	102.3	51.68	0.99	05/09/2025
Xylenes, Total		4.0		**152**	150.0	0	101.5	153.7	0.96	05/09/2025
Surr: 1,2-Dichloroethane-d4	*			**46.7**	50.00		93.4			05/09/2025
Surr: 4-Bromofluorobenzene	*			**49.2**	50.00		98.4			05/09/2025
Surr: Dibromofluoromethane	*			**51.4**	50.00		102.8			05/09/2025
Surr: Toluene-d8	*			**48.6**	50.00		97.2			05/09/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238887 **SampType:** ms Units **µg/L**

SampID: 25050776-001bms

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		5.00		**1400**	500.0	873.7	105.2	74.1	118	05/09/2025
Ethylbenzene		10.0		**769**	500.0	252.9	103.3	74.8	119	05/09/2025
m,p-Xylenes		10.0		**598**	500.0	69.30	105.8	77.8	128	05/09/2025
o-Xylene		10.0		**670**	500.0	158.7	102.3	75.8	118	05/09/2025
Toluene		20.0		**674**	500.0	177.7	99.2	74.4	115	05/09/2025
Xylenes, Total		20.0		**1270**	1000	228.0	104.0	76.8	123	05/09/2025
Surr: 1,2-Dichloroethane-d4	*			**467**	500.0		93.4	80	120	05/09/2025
Surr: 4-Bromofluorobenzene	*			**485**	500.0		97.1	80	120	05/09/2025
Surr: Dibromofluoromethane	*			**517**	500.0		103.4	80	120	05/09/2025
Surr: Toluene-d8	*			**491**	500.0		98.2	80	120	05/09/2025

Batch 238887 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 25050776-001bMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		5.00		**1400**	500.0	873.7	104.8	1400	0.14	05/09/2025
Ethylbenzene		10.0		**758**	500.0	252.9	101.0	769.2	1.49	05/09/2025
m,p-Xylenes		10.0		**590**	500.0	69.30	104.1	598.4	1.46	05/09/2025
o-Xylene		10.0		**664**	500.0	158.7	101.0	670.1	0.97	05/09/2025
Toluene		20.0		**663**	500.0	177.7	97.0	673.6	1.65	05/09/2025
Xylenes, Total		20.0		**1250**	1000	228.0	102.5	1268	1.21	05/09/2025
Surr: 1,2-Dichloroethane-d4	*			**472**	500.0		94.4			05/09/2025
Surr: 4-Bromofluorobenzene	*			**484**	500.0		96.7			05/09/2025
Surr: Dibromofluoromethane	*			**517**	500.0		103.4			05/09/2025
Surr: Toluene-d8	*			**490**	500.0		98.1			05/09/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238977 **SampType:** MBLK Units µg/L

SampID: MBLK-AK250512A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						05/12/2025
Bromoform		2.0		**ND**						05/12/2025
Ethylbenzene		2.0		**ND**						05/12/2025
m,p-Xylenes		2.0		**ND**						05/12/2025
Methylene chloride		2.0		**ND**						05/12/2025
Naphthalene		5.0		**ND**						05/12/2025
o-Xylene		2.0		**ND**						05/12/2025
Toluene		2.0		**ND**						05/12/2025
trans-1,2-Dichloroethene		2.0		**ND**						05/12/2025
Xylenes, Total		4.0		**ND**						05/12/2025
Surr: 1,2-Dichloroethane-d4	*			**48.3**	50.00		96.5	80	120	05/12/2025
Surr: 4-Bromofluorobenzene	*			**49.6**	50.00		99.2	80	120	05/12/2025
Surr: Dibromofluoromethane	*			**50.6**	50.00		101.2	80	120	05/12/2025
Surr: Toluene-d8	*			**49.7**	50.00		99.4	80	120	05/12/2025

Batch 238977 **SampType:** LCS Units µg/L

SampID: LCS-AK250512A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**50.0**	50.00	0	99.9	81.6	120	05/12/2025
Bromoform		2.0		**52.2**	50.00	0	104.3	81.5	118	05/12/2025
Ethylbenzene		2.0		**49.3**	50.00	0	98.6	82.4	116	05/12/2025
m,p-Xylenes		2.0		**102**	100.0	0	102.1	82.5	117	05/12/2025
Methylene chloride		2.0		**50.2**	50.00	0	100.4	75.3	122	05/12/2025
Naphthalene		5.0		**47.1**	50.00	0	94.2	71	126	05/12/2025
o-Xylene		2.0		**49.9**	50.00	0	99.8	83	114	05/12/2025
Toluene		2.0		**48.1**	50.00	0	96.2	82.3	113	05/12/2025
trans-1,2-Dichloroethene		2.0		**48.3**	50.00	0	96.6	79.9	124	05/12/2025
Xylenes, Total		4.0		**152**	150.0	0	101.3	82.7	116	05/12/2025
Surr: 1,2-Dichloroethane-d4	*			**47.3**	50.00		94.6	80	120	05/12/2025
Surr: 4-Bromofluorobenzene	*			**48.3**	50.00		96.6	80	120	05/12/2025
Surr: Dibromofluoromethane	*			**50.5**	50.00		101.1	80	120	05/12/2025
Surr: Toluene-d8	*			**48.9**	50.00		97.8	80	120	05/12/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238977 **SampType:** LCSD Units µg/L RPD Limit 20

SampID: LCSD-AK250512A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**53.8**	50.00	0	107.6	49.95	7.38	05/12/2025
Bromoform		2.0		**56.1**	50.00	0	112.1	52.17	7.19	05/12/2025
Ethylbenzene		2.0		**53.2**	50.00	0	106.4	49.29	7.67	05/12/2025
m,p-Xylenes		2.0		**110**	100.0	0	109.7	102.1	7.20	05/12/2025
Methylene chloride		2.0		**53.7**	50.00	0	107.4	50.22	6.72	05/12/2025
Naphthalene		5.0		**50.0**	50.00	0	100.1	47.09	6.09	05/12/2025
o-Xylene		2.0		**53.8**	50.00	0	107.6	49.88	7.54	05/12/2025
Toluene		2.0		**51.6**	50.00	0	103.2	48.11	7.00	05/12/2025
trans-1,2-Dichloroethene		2.0		**51.7**	50.00	0	103.4	48.32	6.76	05/12/2025
Xylenes, Total		4.0		**163**	150.0	0	109.0	152.0	7.31	05/12/2025
Surr: 1,2-Dichloroethane-d4	*			**47.6**	50.00		95.2			05/12/2025
Surr: 4-Bromofluorobenzene	*			**48.6**	50.00		97.2			05/12/2025
Surr: Dibromofluoromethane	*			**50.7**	50.00		101.4			05/12/2025
Surr: Toluene-d8	*			**49.2**	50.00		98.4			05/12/2025

Batch 238977 **SampType:** LCS Units µg/L

SampID: QCS-AK250512A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**50.0**	50.00	0	99.9	65	135	05/12/2025
Bromoform		2.0		**52.2**	50.00	0	104.3	70	130	05/12/2025
Ethylbenzene		2.0		**49.3**	50.00	0	98.6	60	140	05/12/2025
m,p-Xylenes		2.0		**102**	100.0	0	102.1	60	140	05/12/2025
Methylene chloride		2.0		**50.2**	50.00	0	100.4	60	140	05/12/2025
Naphthalene		5.0		**47.1**	50.00	0	94.2	60	140	05/12/2025
o-Xylene	*	2.0		**49.9**	50.00	0	99.8	60	140	05/12/2025
Toluene		2.0		**48.1**	50.00	0	96.2	70	130	05/12/2025
trans-1,2-Dichloroethene		2.0		**48.3**	50.00	0	96.6	70	130	05/12/2025
Xylenes, Total		4.0		**152**	150.0	0	101.3	60	140	05/12/2025
Surr: 1,2-Dichloroethane-d4	*			**47.3**	50.00		94.6	80	120	05/12/2025
Surr: 4-Bromofluorobenzene	*			**48.3**	50.00		96.6	80	120	05/12/2025
Surr: Dibromofluoromethane	*			**50.5**	50.00		101.1	80	120	05/12/2025
Surr: Toluene-d8	*			**48.9**	50.00		97.8	80	120	05/12/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238977 **SampType:** LCSD Units µg/L RPD Limit 40

SampID: QCSD-AK250512A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**53.8**	50.00	0	107.6	49.95	7.38	05/12/2025
Bromoform		2.0		**56.1**	50.00	0	112.1	52.17	7.19	05/12/2025
Ethylbenzene		2.0		**53.2**	50.00	0	106.4	49.29	7.67	05/12/2025
m,p-Xylenes		2.0		**110**	100.0	0	109.7	102.1	7.20	05/12/2025
Methylene chloride		2.0		**53.7**	50.00	0	107.4	50.22	6.72	05/12/2025
Naphthalene		5.0		**50.0**	50.00	0	100.1	47.09	6.09	05/12/2025
o-Xylene	*	2.0		**53.8**	50.00	0	107.6	49.88	7.54	05/12/2025
Toluene		2.0		**51.6**	50.00	0	103.2	48.11	7.00	05/12/2025
trans-1,2-Dichloroethene		2.0		**51.7**	50.00	0	103.4	48.32	6.76	05/12/2025
Xylenes, Total		4.0		**163**	150.0	0	109.0	152.0	7.31	05/12/2025
Surr: 1,2-Dichloroethane-d4	*			**47.6**	50.00		95.2			05/12/2025
Surr: 4-Bromofluorobenzene	*			**48.6**	50.00		97.2			05/12/2025
Surr: Dibromofluoromethane	*			**50.7**	50.00		101.4			05/12/2025
Surr: Toluene-d8	*			**49.2**	50.00		98.4			05/12/2025

Batch 238977 **SampType:** MS Units µg/L

SampID: 25050776-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.50		**45.5**	50.00	0	91.0	74.1	118	05/12/2025
Ethylbenzene		1.00		**48.0**	50.00	0	96.1	74.8	119	05/12/2025
m,p-Xylenes		1.00		**53.6**	50.00	0	107.1	77.8	128	05/12/2025
o-Xylene		1.00		**50.6**	50.00	0	101.1	75.8	118	05/12/2025
Toluene		2.00		**45.7**	50.00	0	91.4	74.4	115	05/12/2025
Xylenes, Total		2.00		**104**	100.0	0	104.1	76.8	123	05/12/2025
Surr: 1,2-Dichloroethane-d4	*			**48.7**	50.00		97.4	80	120	05/12/2025
Surr: 4-Bromofluorobenzene	*			**48.7**	50.00		97.3	80	120	05/12/2025
Surr: Dibromofluoromethane	*			**51.3**	50.00		102.7	80	120	05/12/2025
Surr: Toluene-d8	*			**49.1**	50.00		98.2	80	120	05/12/2025

Client: ERM **Work Order:** 25050776

Client Project: Ameren Taylorville 2nd Qtr 2025 **Report Date:** 16-May-25

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

Batch 238977 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 25050776-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.50		**51.8**	50.00	0	103.6	45.52	12.87	05/12/2025
Ethylbenzene		1.00		**55.3**	50.00	0	110.6	48.03	14.04	05/12/2025
m,p-Xylenes		1.00		**61.1**	50.00	0	122.1	53.57	13.08	05/12/2025
o-Xylene		1.00		**57.9**	50.00	0	115.7	50.55	13.50	05/12/2025
Toluene		2.00		**52.3**	50.00	0	104.7	45.70	13.53	05/12/2025
Xylenes, Total		2.00		**119**	100.0	0	118.9	104.1	13.29	05/12/2025
Surr: 1,2-Dichloroethane-d4	*			**48.0**	50.00		95.9			05/12/2025
Surr: 4-Bromofluorobenzene	*			**49.3**	50.00		98.6			05/12/2025
Surr: Dibromofluoromethane	*			**50.7**	50.00		101.5			05/12/2025
Surr: Toluene-d8	*			**49.3**	50.00		98.6			05/12/2025

Receiving Check List

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2025

Work Order: 25050776

Report Date: 16-May-25

Carrier: Breana Houska

Received By: NR

Completed by: Amber Dilallo
On: 08-May-25

Reviewed by: Ellie Hopkins
On: 09-May-25

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 4.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☑	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

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

Trip Blank collection date and time will be reported as the received date and time (end of trip). - amberdilallo - 5/8/2025 5:45:17 PM

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

CHAIN OF CUSTODY

pg. 1 of 3 Work order # 25050776

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

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

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 4.9 °C LTG# 10
Preserved in: ☒ LAB ☐ FIELD
Lab Notes: Dhs EK 5/8/25

FOR LAB USE ONLY

Client Comments Report QC LVL: 4
GW-04R, DUP-0083 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 2nd Qtr 2025	Breana 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
25050776 001	GW-04R-WG-20250508	5/8/25; 1055	1	2		X		X	X
002	GW-05-WG-20250505	5/5/25; 1355	1	2		X		X	X
003	GW-07-WG-20250507	5/7/25; 1545	1	2		X		X	X
004	GW-14-WG-20250507	5/7/25; 1410	1	2		X		X	X
005	GW-15-WG-20250508	5/8/25; 1035	1	2		X		X	X
006	GW-16S-WG-20250507	5/7/25; 0918	1	2		X		X	X
007	GW-16D-WG-20250507	5/7/25; 1115	1	2		X		X	X
008	GW-17-WG-20250506	5/6/25; 1550	1	2		X		X	X
009	GW-18S-WG-20250506	5/6/25; 1355	1	2		X		X	X
010	GW-18D-WG-20250506	5/6/25; 1500	1	2		X		X	X

Relinquished By	Date/Time	Received By	Date/Time
Breana Houska (ERM)	5/8/25; 1245	Chris Keel	5/8/25 1245

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: 99365

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

CHAIN OF CUSTODY

pg. 2 of 3 Work order # 25050776

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

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

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

Client Comments Report QC LVL: 4

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

Project Name/Number: Ameren Taylorville 2nd Qtr 2025

Sample Collector's Name: Breana 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
25050776 01	GW-19S-WG-202505**09**	5/6/25; 1200	1	2		X		X	X
02	GW-19D-WG-202505**09**	5/6/25; 1100	1	2		X		X	X
03	GW-20-WG-202505**09**	5/6/25; 0920	1	2		X		X	X
04	GW-22S-WG-202505**08**	5/8/25; 0900	1	2		X		X	X
05	GW-22D-WG-202505**07**	5/7/25; 1715	1	2		X		X	X
06	DUP-001-WG-202505**07**	5/7/25; 0001	1	2		X		X	X
(BH)	FB-001-WQ-202505__		1	2	X			X	X
07	TB-001-WQ-202505**05**	5/5/25; 0800		2			X		X
(BH)	TB-002-WQ-202505__			2			X		X
08	DUP-002-WG-202505**08**	5/8/25; 0002	1	2		X		X	X

Relinquished By	Date/Time	Received By	Date/Time
Breana Houska (ERM)	5/8/25; 1245	[signature]	5/8/25 1245

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: 99365

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

CHAIN OF CUSTODY

pg. 3 of 3 Work order # 25050776

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

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

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

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
GW-20FF is field filtered
MS/MSD on GW-25

Project Name/Number
Ameren Taylorville 2nd Qtr 2025

Sample Collector's Name
Breana 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
25050776 019	GW-101S-WG-20250505	5/5/25 1425	1	2		X		X	X
020	GW-102S-WG-20250505	5/5/25 1530	1	2		X		X	X
021	GW-102D-WG-20250505	5/5/25 1515	1	2		X		X	X
BH	FB-002-WQ-202505		1	2	X			X	X
022	GW-25-WG-20250507	5/7/25 1200	1 3	2 6		X		X	X
023	GW-26-WG-20250506	5/6/25 0840	1	2		X		X	X
024	EQB-001-WQ-20250505	5/5/25 1136	1	2	X			X	X
BH	EQB-002-WQ-202505		1	2	X			X	X
025	GW-20FF-WG-20250506	5/6/25 0920							
026	DUP-003-WG-20250508	5/8/25 0003							

Relinquished By	Date/Time	Received By	Date/Time
Breana Houska (ERM)	5/8/25 1245	Chris Reed	5/9/25 1245

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: 99365

ATTACHMENT B GROUNDWATER ELEVATION SUMMARY

Attachment B
Groundwater Elevation Summary
Quarter 2 2025
Ameren Taylorville
Taylorville, Illinois

Monitoring Well Number	Total Depth (feet)	Screened Interval (feet)	TOC Elevation (NAVD88)	5/5/2025	
				WL Below TOC (feet)	Elevation (feet NAVD88)
GW-4R	26.00	16.00-26.00	619.22	19.01	600.21
GW-5	61.00	50.75-61.00	620.97	17.90	603.07
GW-7	90.00	80.00-90.00	618.59	19.21	599.38
GW-14	94.00	84.00-94.00	619.07	19.39	599.68
GW-15	90.00	80.00-90.00	618.88	19.22	599.66
GW-16D	91.00	81.00-91.00	616.38	16.94	599.44
GW-16S	35.00	25.00-35.00	616.50	17.02	599.48
GW-17	35.00	25.00-35.00	614.60	15.17	599.43
GW-18D	84.00	74.00-84.00	604.32	3.55	600.77
GW-18S	25.00	15.00-25.00	602.05	3.41	598.64
GW-19D	82.50	72.50-82.50	606.90	7.82	599.08
GW-19S	22.00	12.00-22.00	606.70	7.78	598.92
GW-20	9.50	4.50-9.50	588.14	5.76	582.38
GW-22D	89.00	79.00-89.00	617.05	17.56	599.49
GW-22S	35.00	25.00-35.00	617.16	17.50	599.66
GW-25	28.00	18.00-28.00	611.01	11.38	599.63
GW-26	36.00	24.82-34.82	615.79	16.29	599.50
GW-101S	27.81	22.68-27.68	617.56	19.87	597.69
GW-102D	58.46	53.00-58.00	622.96	23.71	599.25
GW-102S	28.13	23.00-28.00	623.50	24.51	598.99
West Extraction Well	90.00	15.00-90.00	619.00	42	577

Notes:

TOC	Top of Casing
NAVD88	North American Vertical Datum of 1988

ATTACHMENT C SUMMARY OF SECOND QUARTER 2025 ANALYTICAL RESULTS

Attachment C
Analytical Data Summary
Ameren Taylorville
Taylorville, Illinois

		Location	GW-4R	GW-4R	GW-5	GW-7	GW-7	GW-14	GW-15	GW-16D	GW-16S
		Sample Date	05/08/2025	05/08/2025	05/05/2025	05/07/2025	05/07/2025	05/07/2025	05/08/2025	05/07/2025	05/07/2025
		Sample Type	N	FD	N	N	FD	N	N	N	N
		Depth	16 - 26	16 - 26	50.75 - 61	80 - 90	80 - 90	84 - 94	80 - 90	81 - 91	25 - 35
		Sample ID	GW-04R-WG-20250508	DUP-003-WG-20250508	GW-05-WG-20250505	GW-07-WG-20250507	DUP-001-WG-20250507	GW-14-WG-20250507	GW-15-WG-20250508	GW-16D-WG-20250507	GW-16S-WG-20250507
Analyte	Unit	USEPA ROD 1992 CUOs									
SW8260B											
Benzene	ug/L	5	874	883	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2.00	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	253	269	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	69.3	73.8	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	13 j	18 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	822	803	0.65 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	159	167	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	178	185	0.12 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 20.0	< 20.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	228	240	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SW846 8270C											
Acenaphthene	mg/L	0.42	0.0228	0.0228	< 0.000100	0.000130	0.000104	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	0.0183	0.0326	< 0.000100	0.000145	0.000121	< 0.000100	0.000056 j	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	0.00309 J	0.0160 J	< 0.000300	0.00151	0.00123	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	0.00904 J	0.0245 J	< 0.000100	0.000199	0.000180	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	0.00439	0.00399	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	0.0120 J	0.0354 J	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	0.00186 J	0.0067 J	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	0.00249 J	0.0118 J	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00200	0.0018 j	< 0.00200	0.00479	0.00348	0.00436	< 0.00200	0.00411	< 0.00200
Chrysene	mg/L	0.0015	0.0201 J	0.0504 J	< 0.000200	0.00016 j	0.00013 j	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	0.00122 J	0.00482 J	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.0431 J	0.102 J	< 0.000300	0.000756	0.000612	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	0.0808	0.102	< 0.000200	0.000304	0.000254	< 0.000200	0.00019 j	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	0.00237 J	0.0091 J	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	0.0022 j	0.0027 j	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	0.267	0.263	< 0.000400	< 0.000400	< 0.000400	< 0.000400	0.000894	< 0.000400	< 0.000400
o-Cresol	mg/L	0.35	0.0016 j	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Phenanthrene	mg/L	0.21	0.144	< 0.300	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	0.0314 J	0.0798 J	< 0.000200	0.00255	0.00208	< 0.000200	< 0.000200	< 0.000200	< 0.000200

Notes:

FD = Field Duplicate Sample

N = Normal Environmental Sample

TB = Trip Blank

EB= Equipment Blank

mg/L = milligrams per liter

ug/L = micrograms per liter

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

NA = not analyzed

NS = no standard

Qualifier Definition(s)

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

J= The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.Qualifier applied by ERM data

UJ = The analyte was analyzed for, but was not detected.

Attachment C
Analytical Data Summary
Ameren Taylorville
Taylorville, Illinois

		Location	GW-17	GW-18D	GW-18S	GW-19D	GW-19S	GW-20 (GW-20FF)	GW-20	GW-22D	GW-22S
		Sample Date	05/06/2025	05/06/2025	05/06/2025	05/06/2025	05/06/2025	05/06/2025	05/06/2025	05/07/2025	05/08/2025
		Sample Type	N	N	N	N	N	N	N	N	N
		Depth	25 - 35	74 - 84	15 - 25	72.5 - 82.5	12 - 22	4.5 - 9.5	4.5 - 9.5	79 - 89	25 - 35
		Sample ID	GW-17-WG-20250506	GW-18D-WG-20250506	GW-18S-WG-20250506	GW-19D-WG-20250506	GW-19S-WG-20250506	GW-20FF-WG-20250506	GW-20-WG-20250506	GW-22D-WG-20250507	GW-22S-WG-20250508
Analyte	Unit	USEPA ROD 1992 CUOs									
SW8260B											
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	< 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
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	0.24 j	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	0.38 j	< 2.00	< 2.00	< 2.00	0.41 j	< 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
SW846 8270C											
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000237	< 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
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000212	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00102	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000883	< 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	0.000910	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000211	< 0.000200	< 0.000200
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00200	< 0.00200	0.00478	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000336	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00018 j	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
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	< 0.000200	< 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	0.000636	< 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
Naphthalene	mg/L	0.025	< 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
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	0.000468	< 0.000200	< 0.000200

Notes:

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TB = Trip Blank

EB= Equipment Blank

mg/L = milligrams per liter

ug/L = micrograms per liter

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NS = no standard

Qualifier Definition(s)

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

J= The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.Qualifier applied by ERM data

UJ = The analyte was analyzed for, but was not detected.

Attachment C
Analytical Data Summary
Ameren Taylorville
Taylorville, Illinois

		Location	GW-22S	GW-25	GW-26	GW-101S	GW-102S	GW-102D	Trip Blank	Equipment Blank
		Sample Date	05/08/2025	05/07/2025	05/06/2025	05/05/2025	05/05/2025	05/05/2025	05/08/2025	05/05/2025
		Sample Type	FD	N	N	N	N	N	TB	EB
		Depth	25 - 35	20-30	26 - 36	23-28	23-28	53-59	-	-
		Sample ID	DUP-002-WG-20250508	GW-25-WG-20250507	GW-26-WG-20250506	GW-101S-WG-20250505	GW-102S-WG-20250505	GW-102D-WG-20250505	TB-001-WQ-20250505_2025050	EQB-001-WQ-20250505
Analyte	Unit	USEPA ROD 1992 CUOs								
SW8260B										
Benzene	ug/L	5	< 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
Ethylbenzene	ug/L	700	< 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
Methylene chloride	ug/L	0.2	< 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
o-Xylene	ug/L	NS	< 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
trans-1,2-Dichloroethene	ug/L	100	< 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
SW846 8270C										
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	NA	< 0.00200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NA	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100 UJ	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NA	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	NA	< 0.000400
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100 UJ	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NA	< 0.0100
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	NA	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200

Notes:

FD = Field Duplicate Sample

N = Normal Environmental Sample

TB = Trip Blank

EB= Equipment Blank

mg/L = milligrams per liter

ug/L = micrograms per liter

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

NA = not analyzed

NS = no standard

Qualifier Definition(s)

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

J= The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.Qualifier applied by ERM data

UJ = The analyte was analyzed for, but was not detected.

ATTACHMENT D SUMMARY OF HISTORICAL ANALYTICAL RESULTS

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	FD	N	FD	N	N	FD	N	FD	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D														
Benzene	ug/L	5	632	341	775	652	658	798	1150	1180	1100	1070	670	895
Bromoform	ug/L	0.2	< 2	< 100	< 20	< 100	< 2	< 200	< 2	< 2	< 100	< 100	< 20.0	< 2.00
Ethylbenzene	ug/L	700	155	104	216	235	243	331	476	500	312	330	249	304
m,p-Xylenes	ug/L	NS	165	80.5	158	135	146	166	108	104	225	229	112	56.6
Methylene chloride	ug/L	0.2	< 2	< 100	< 20	< 100	< 2	< 200	< 2	< 2	< 100	< 100	< 20.0	< 20.0
Naphthalene	ug/L	25	2790	1510	3150	3020	3020	3520	2530	2620	3550	3350	3540	2340
o-Xylene	ug/L	NS	140	67	137	108	118	178	241	244	176	184	157	187
Toluene	ug/L	1000	208	184	409	256	255	216	90.5	94.6	338	357	104	100
trans-1,2-Dichloroethene	ug/L	100	< 2	< 100	< 20	< 100	< 2	< 200	< 2	< 2	< 100	< 100	< 20.0	< 20.0
Xylene, Total	ug/L	10000	304	148	295	243	265	344	350	347	400	412	269	243
VOCs for Attachment D														
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		Sample Date	02/15/2023	02/15/2023	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
		Sample Type	N	FD	N	FD	N	FD	N	FD	N	FD	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D													
Benzene	ug/L	5	609	612	341	364	235	241	346	392	1380	1500	1130
Bromoform	ug/L	0.2	< 10.0	< 0.20	< 2.00	< 10.0	< 2.00	< 2.00	< 2.00	< 0.20	< 5.00	< 2.00	< 0.20
Ethylbenzene	ug/L	700	250	250	186	184	144	144	117	159	322	369	295
m,p-Xylenes	ug/L	NS	63.5	64.5	39.3	48 J	19.1	20.8	14.7	19.7	124 J	145 J	226
Methylene chloride	ug/L	0.2	< 100	< 2.00	38.3	< 100	< 20.0	10 J	< 20.0	< 2.00	< 50.0	< 20.0	< 2.00
Naphthalene	ug/L	25	2380	2490	1580	1480	814	740	510	531	1700	1940	2300 J
o-Xylene	ug/L	NS	136	148	93.4	100	80.3	82.1	62.0	80.8	182	203	196
Toluene	ug/L	1000	72 J	70.8	30.5	42 J	14 J	15 J	24.8	34.8	320	378	132
trans-1,2-Dichloroethene	ug/L	100	< 100	< 2.00	< 20.0	< 100	< 20.0	< 20.0	< 20.0	< 2.00	< 50.0	< 20.0	< 2.00
Xylene, Total	ug/L	10000	199	213	133	148	99.4	103	76.7	101	306	348	422
VOCs for Attachment D													
Acenaphthene	mg/L	0.42	0.0348	0.0334	0.0190 H	0.0241 H	0.0290	0.0299	0.0330	0.0373	0.0308	0.0293	0.0171 J
Acenaphthylene	mg/L	0.21	0.00218	0.00195	0.000868 H	0.00117 H	0.00144	0.00154	0.00163	0.00183	0.00242	0.00226	0.0062 j
Anthracene	mg/L	2.1	0.000925	0.000616	0.000346 H	0.000476 H	0.000854	0.000802	0.000920	0.00135	0.000936	0.000831	0.00122 J+
Benzo(a)anthracene	mg/L	0.00013	0.000150	0.000109	< 0.000100 HU	0.000072 JH	0.000096 J	0.000078 J	0.000570	0.000620	0.000113	0.000109	0.000205 J+
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	0.000101	0.000070 J	< 0.000100 HU	< 0.000100 HU	< 0.000100	< 0.000100	0.000557	0.000591	< 0.000100	0.000092 j	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU	< 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 HU	< 0.000100 HU	< 0.000100	< 0.000100	0.000116	0.000139	< 0.000100	< 0.000100	< 0.000200
Chrysene	mg/L	0.0015	0.000513	0.000385	0.000210 H	0.000170 H	0.000209	0.000187	0.00217	0.00233	0.000279	0.000276	0.000455 J+
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100 HU	< 0.0100 HU	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.00489	0.00457	0.00257 H	0.00276 H	0.00460	0.00444	0.00893	< 0.0150	0.00472	0.00417	< 0.0300
Fluorene	mg/L	0.28	0.0800	0.0801	0.0397 H	0.0537 H	0.0616	0.0538	0.0573	0.0802	0.0719	0.0706	0.0672
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU	< 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 HU	< 0.0100 HU	< 0.0100	< 0.0100	0.00079 J	0.0010 J	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	0.00090 JH	0.00098 JH	< 0.0100	< 0.0100	< 0.0100	0.0010 J	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	1.83	1.86	< 0.000400 HU	0.398 H	0.410	0.446	0.343	0.414	0.839	0.634	1.02
Phenanthrene	mg/L	0.21	0.0722	0.0735	0.0148 H	0.0461 H	0.0694	< 0.150	0.0669	0.0915	0.0716	0.0726	0.0679
Pyrene	mg/L	0.21	0.00208	0.00203	0.000948 H	0.00102 H	0.00225	0.00227	0.00411	0.00465	0.00225 J	0.00159 J	0.00362 J+

Notes:
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EB= Equipment Blank
mg/L = milligrams per liter
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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.
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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.

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

		Location	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R
		Sample Date	05/10/2024	08/30/2024	08/30/2024	11/22/2024	11/22/2024	02/26/2025	02/26/2025	05/08/2025	05/08/2025
		Sample Type	FD	N	FD	N	FD	N	FD	N	FD
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D											
Benzene	ug/L	5	999	1150	1180	1030	1090	1030	976	874	883
Bromoform	ug/L	0.2	< 0.20	< 4.00	< 4.00	< 2.00	< 2.00	< 2.00	< 0.20	< 2.00	< 2.00
Ethylbenzene	ug/L	700	261	261	261	306	319	332	309	253	269
m,p-Xylenes	ug/L	NS	216	119	110	79.3	80.5	73.9	64.2	69.3	73.8
Methylene chloride	ug/L	0.2	< 2.00	< 40.0	< 40.0	< 20.0	< 20.0	< 20.0	< 2.00	13 j	18 j
Naphthalene	ug/L	25	2220 J	1790	1730	1120	1160	858	1010	822	803
o-Xylene	ug/L	NS	188	185	181	188	200	210	195	159	167
Toluene	ug/L	1000	125	159	153	171	185	162	186	178	185
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 40.0	< 40.0	< 20.0	< 20.0	< 20.0	< 2.00	< 20.0	< 20.0
Xylene, Total	ug/L	10000	403	304	291	267	281	284	259	228	240
VOCs for Attachment D											
Acenaphthene	mg/L	0.42	0.0203 J	0.0203	0.0217	0.0341	0.0323	0.0291	0.0317	0.0228	0.0228
Acenaphthylene	mg/L	0.21	0.0056 j	0.0034 j	0.0037 j	0.0133	0.0172	0.0197	0.0242	0.0183	0.0326
Anthracene	mg/L	2.1	0.00153	0.00180	0.00201	0.0135	0.0158	0.00518	0.00655	0.00309 J	0.0160 J
Benzo(a)anthracene	mg/L	0.00013	0.000204	0.000267	0.000251	0.0122	0.0157	0.0140	0.0175	0.00904 J	0.0245 J
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	0.00177	0.00230	0.0019	0.00260	0.00439	0.00399
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	0.0172	0.0211	0.0198	0.0237	0.0120 J	0.0354 J
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	0.00406 J	0.00584 J	0.00450	0.00570	0.00186 J	0.0067 J
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	0.00464 J	0.00720 J	0.00655	0.00792	0.00249 J	0.0118 J
Chrysene	mg/L	0.0015	0.000436	0.000541	0.000585	0.0232	0.0281	0.0304	0.0395	0.0201 J	0.0504 J
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	0.00222	0.00289	0.00231	0.00294	0.00122 J	0.00482 J
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.100	< 0.100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0300	< 0.0150	< 0.0150	0.0430	0.0628	< 0.0750	0.068	0.0431 J	0.102 J
Fluorene	mg/L	0.28	0.0691	0.0888	0.0955	0.0927	0.0992	0.0758	0.0817	0.0808	0.102
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	0.00449	0.00598	0.00502	0.00667	0.00237 J	0.0091 J
m,p-cresol	mg/L	0.35	< 0.0100	0.0037 j	< 0.0100	0.0029 j	0.0022 j	< 0.100	< 0.100	0.0022 j	0.0027 j
o-Cresol	mg/L	0.35	< 0.0100	0.0043 j	0.0046 j	0.0026 j	0.0020 j	< 0.100	< 0.100	0.0016 j	< 0.0100
Naphthalene	mg/L	0.025	1.38	1.22	1.04 J+	0.809	0.876	0.497	0.481	0.267	0.263
Phenanthrene	mg/L	0.21	0.0648	0.0810	0.0868	0.145	0.214	0.187	0.206	0.144	< 0.300
Pyrene	mg/L	0.21	0.00374	0.00453	0.00444	0.0366	0.0441	0.0413 J	0.0512 J	0.0314 J	0.0798 J

Notes:
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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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	N	N	N	N	N	N	N	FD
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D													
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 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
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
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
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
Toluene	ug/L	1000	0.12 J	< 2	< 2	0.3 J	< 2	< 2	< 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
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
VOCs for Attachment D													
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5
		Sample Date	09/13/2023	09/13/2023	10/25/2023	02/13/2024	05/07/2024	08/29/2024	11/20/2024	03/18/2025	05/05/2025
		Sample Type	N	FD	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D											
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	0.31 J	< 1.00	< 1.00	0.23 J	< 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	1.4 J	11.0	0.93 J	< 2.00	< 2.00 HU	2.1 j	4.04	< 2.00	0.65 j
o-Xylene	ug/L	NS	< 1.00	0.20 J	< 1.00	< 1.00	0.15 J	< 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	0.12 j
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
VOCs for Attachment D											
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000074 j	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100	< 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	< 0.000100	< 0.000100	< 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	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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
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	< 0.000200 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
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	0.000663	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.0050	< 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
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D													
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.32 J	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
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
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
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
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.21 J	< 1	< 1	< 1.00	< 1.00 SU	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00 SU	< 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
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.75 J	< 2	< 2	< 2.00	< 2.00 SU	< 2.00	< 2.00	< 2.00
VOCs for Attachment D													
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
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
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
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
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
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
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
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
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
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 U	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 U	< 0.0100	< 0.0100	< 0.0100	< 0.0100 HU	< 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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		Sample Date	10/27/2023	02/13/2024	02/13/2024	05/09/2024	05/09/2024	08/30/2024	11/21/2024	02/25/2025	05/07/2025	05/07/2025
		Sample Type	N	N	FD	N	FD	N	N	N	N	FD
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D												
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50 UJ	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 UJ	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20 UJ	< 0.20 UJ	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	0.12 J-	< 1.00 UJ	< 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 UJ	< 1.00 UJ	< 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 UJ	< 2.00 UJ	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	1.2 J-	< 2.00 UJ	2.81	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00 UJ	< 1.00 UJ	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00 UJ	< 2.00 UJ	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00 UJ	< 2.00 UJ	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00 UJ	< 2.00 UJ	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
VOCs for Attachment D												
Acenaphthene	mg/L	0.42	0.000158	0.000139	0.000130	0.000136	0.000121	0.000204	0.000233	0.000115	0.000130	0.000104
Acenaphthylene	mg/L	0.21	0.000202	0.000178	0.000157	0.000177	0.000182	0.000247	0.000177	0.000108	0.000145	0.000121
Anthracene	mg/L	2.1	0.00161	0.00167	0.00149	0.00193	0.00141	0.00222	0.00187	0.00118	0.00151	0.00123
Benzo(a)anthracene	mg/L	0.00013	0.000211	0.000224	0.000204	0.000218	0.000183	0.000285	0.000229	0.000178	0.000199	0.000180
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
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 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	< 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 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	0.000184	0.000166	0.000166	0.000204	0.00014 j	0.00020 j	0.000242	0.00014	0.00016 j	0.00013 j
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.00122	0.00118	0.00111	0.00129	0.000934	0.00139	0.00125	0.000701	0.000756	0.000612
Fluorene	mg/L	0.28	0.000393	0.000365	0.000351	0.000343	0.000334	0.000536	0.000648	0.000304	0.000304	0.000254
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 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	< 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
Naphthalene	mg/L	0.025	0.000614	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	0.00496	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	0.00059 j	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	0.00265	0.00275	0.00262	0.00336 J	0.00237 J	0.00375	0.00302	0.00230	0.00255	0.00208

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D													
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 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
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.72 J	< 1	< 1	< 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
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
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.36 J	< 1	< 1	< 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
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 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
VOCs for Attachment D													
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 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	< 0.0002	< 0.0002	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100
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	< 0.0002	< 0.0002	< 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	< 0.0001	< 0.0001	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 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
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 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	< 0.01	< 0.01	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14
		Sample Date	10/26/2023	02/13/2024	05/09/2024	08/29/2024	11/21/2024	02/25/2025	05/07/2025
		Sample Type	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D									
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 UJ	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
Naphthalene	ug/L	25	< 2.00	0.64 j	1.1 j	< 2.00	< 2.00	< 2.00 UJ	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
VOCs for Attachment D									
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	< 0.000100	< 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	< 0.000100	< 0.000200	< 0.000200 UJ	< 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
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
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 BU	< 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
mg/L = milligrams per liter
ug/L = micrograms per liter
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NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	FD	N	N	N	FD	N	N	N	N	FD
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D														
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 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
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	< 1	0.43 J	< 1	< 1	< 1	< 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
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
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	0.13 J	< 1	< 1	< 1	0.11 J	< 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
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
VOCs for Attachment D														
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
Acenaphthylene	mg/L	0.21	< 0.0001 U	0.000063 J	0.000084 J	< 0.0001 U	< 0.0001	< 0.0001	0.000074 J	< 0.0001	0.000077 J	< 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		Sample Date	05/18/2023	05/18/2023	09/13/2023	10/27/2023	02/15/2024	05/10/2024	08/30/2024	11/22/2024	02/26/2025	05/08/2025
		Sample Type	N	FD	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D												
Benzene	ug/L	5	< 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	< 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
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
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
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	0.60 j	< 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
Toluene	ug/L	1000	< 2.00	< 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
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
VOCs for Attachment D												
Acenaphthene	mg/L	0.42	< 0.000100 HU	< 0.000100 HU	< 0.000100	< 0.000100	0.000087 j	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100 HU	< 0.000100 HU	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000056 j
Anthracene	mg/L	2.1	< 0.000300 HU	< 0.000300 HU	< 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 HU	< 0.000100 HU	< 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 HU	< 0.000200 HU	< 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 HU	< 0.000100 HU	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
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
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100 HU	< 0.000100 HU	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100 HU	< 0.000100 HU	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
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
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
Fluoranthene	mg/L	0.28	< 0.000300 HU	< 0.000300 HU	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	0.000204 H	< 0.000200 HU	< 0.000200	< 0.000200	0.00019 j	0.000219	< 0.000200	< 0.000200	< 0.000200	0.00019 j
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
m,p-cresol	mg/L	0.35	< 0.0100 HU	< 0.0100 HU	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100 HU	< 0.0100 HU	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400 HU	< 0.000400 HU	< 0.000400	< 0.000400	0.00250	0.00315	< 0.000400	< 0.000400	< 0.000400	0.000894
Phenanthrene	mg/L	0.21	< 0.000600 HU	< 0.000600 HU	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D													
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 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
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.52 J	< 1	< 1	< 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
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
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.13 J	< 1	< 1	< 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
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
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.65 J	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
VOCs for Attachment D													
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D
		Sample Date	10/25/2023	02/14/2024	05/09/2024	08/28/2024	11/20/2024	02/25/2025	05/07/2025
		Sample Type	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D									
Benzene	ug/L	5	0.64	< 0.71	< 0.50	< 0.50	0.41 j	< 0.50 UJ	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
VOCs for Attachment D									
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	< 0.000100	< 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	< 0.000100	< 0.000200	< 0.000200 UJ	< 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
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
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 BU	< 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
mg/L = milligrams per liter
ug/L = micrograms per liter
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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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D													
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.16 J	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.49 J	< 1	< 1	< 1	< 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
Naphthalene	ug/L	25	0.43 J	< 2	< 2	1.2 J	< 2	< 2	< 2	0.52 J	< 2.00 BU	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.12 J	< 1	< 1	< 1	< 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
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
VOCs for Attachment D													
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	0.000486	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S
		Sample Date	10/25/2023	02/13/2024	05/09/2024	08/28/2024	11/20/2024	02/25/2025	05/07/2025
		Sample Type	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D									
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	< 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
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	< 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
Toluene	ug/L	1000	< 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
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
VOCs for Attachment D									
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	< 0.000100	< 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	< 0.000100	< 0.000200	< 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
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
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
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D													
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.53 J	< 1	< 1	< 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
Naphthalene	ug/L	25	0.38 J	< 2	< 2	< 2	< 2	< 2	< 2.00	0.49 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
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 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
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.65 J	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
VOCs for Attachment D													
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17
		Sample Date	10/25/2023	02/14/2024	05/09/2024	08/28/2024	11/20/2024	02/25/2025	05/06/2025
		Sample Type	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D									
Benzene	ug/L	5	< 0.5	< 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	< 0.20
Ethylbenzene	ug/L	700	< 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
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	< 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
Toluene	ug/L	1000	< 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
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
VOCs for Attachment D									
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	< 0.000100	< 0.000100	< 0.000100	< 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	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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
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
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SW8260B														
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
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
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	0.11 J	< 1	< 1	< 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
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
SW846 8270C														
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
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
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003 BU	< 0.0003 BU	< 0.0003 BU	< 0.0003	< 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S
		Sample Date	10/26/2023	02/14/2024	05/07/2024	08/29/2024	11/20/2024	02/24/2025	05/06/2025
		Sample Type	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result
SW8260B									
Benzene	ug/L	5	< 0.5	< 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	< 0.20
Ethylbenzene	ug/L	700	< 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
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	< 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
Toluene	ug/L	1000	< 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
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SW846 8270C									
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
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	< 0.000100	< 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	< 0.000100	< 0.000200	< 0.000200 UJ	< 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
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
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 BU	< 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
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	FD	N	N	N	N	N	N	fd	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D														
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 0.20	< 2	< 2	< 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
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
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	0.13 J	< 1	< 1	< 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
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
Xylene, Total	ug/L	10000	< 2	< 2	< 2	< 2	0.54 J	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
VOCs for Attachment D														
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
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
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D
		Sample Date	09/14/2023	10/26/2023	02/14/2024	05/07/2024	08/29/2024	11/20/2024	02/24/2025	05/06/2025
		Sample Type	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D										
Benzene	ug/L	5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	0.10 j	< 0.50 UJ	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	0.19 j	0.21 j	0.36 j	0.36 j	0.31 J	0.38 j
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
VOCs for Attachment D										
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	< 0.000100	< 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	< 0.000100	< 0.000200	< 0.000200 UJ	< 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
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
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	< 0.000200 BU	< 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
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	N	N	FD	N	N	N	FD	N	FD
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D														
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 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
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
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.11 J	< 1	< 1	< 1	< 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
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
VOCs for Attachment D														
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S
		Sample Date	05/16/2023	09/14/2023	10/26/2023	02/14/2024	05/07/2024	08/29/2024	11/19/2024	02/24/2025	05/06/2025
		Sample Type	N	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D											
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	< 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
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
VOCs for Attachment D											
Acenaphthene	mg/L	0.42	< 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
Anthracene	mg/L	2.1	< 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	< 0.000100	< 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	< 0.000100	< 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	< 0.000100	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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
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	< 0.000200 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
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	< 0.000400	< 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
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D													
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 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
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.5 J	< 1	< 1	< 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
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	0.47 BJ	< 2.00 BU	< 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
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	0.12 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
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.62 J	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
VOCs for Attachment D													
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D
		Sample Date	10/26/2023	02/14/2024	05/07/2024	08/29/2024	11/19/2024	02/24/2025	05/06/2025
		Sample Type	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D									
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 UJ	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00
VOCs for Attachment D									
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	< 0.000100	< 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	< 0.000100	< 0.000200	< 0.000200 UJ	< 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
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
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 BU	< 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
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D														
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 U	< 0.5	< 0.5	< 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
Ethylbenzene	ug/L	700	< 1	< 1	< 1	< 1	0.12 J	< 1	< 1	< 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
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 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
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
Xylene, Total	ug/L	10000	< 2	< 2	< 2	< 2	0.47 J	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
VOCs for Attachment D														
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-20	GW-20	GW-20	GW-20	GW-20	GW-20	GW-20(FF)	GW-20	GW-20(FF)
		Sample Date	10/26/2023	02/14/2024	05/07/2024	08/29/2024	11/19/2024	02/24/2025	02/24/2025	05/06/2025	05/06/2025
		Sample Type	N	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D											
Benzene	ug/L	5	< 0.50	< 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	< 0.20 UJ	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 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	< 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	< 2.00 UJ	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 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	< 1.00 UJ	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	0.24 j
trans-1,2-Dichloroethene	ug/L	100	0.52 J	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	0.41 j
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00
VOCs for Attachment D											
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	0.000198	0.000172	0.000113	0.000285	0.000192	< 0.000100	< 0.000100	0.000237	< 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
Benzo(a)anthracene	mg/L	0.00013	0.000314	0.000177	0.000089 j	0.000203	0.000205	0.000072	< 0.000100	0.000212	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	0.00111	0.000579	0.000328	0.000883	0.000535	0.000241	< 0.000200	0.00102	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	0.000961	0.000563	0.000282 J	0.000745	0.000710	0.000211	< 0.000200	0.000883	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	0.00112	0.000562	0.000566	0.000992	0.000832	0.000238	< 0.000200	0.000910	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	0.000288	0.000153	< 0.000200 UJ	0.000252 J	0.00018 j	< 0.000200	< 0.000200	0.000211	< 0.000200
Chrysene	mg/L	0.0015	0.000468	0.000236	0.00017 j	0.000344	0.000247	< 0.000200	< 0.000200	0.000336	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	0.00016 J	< 0.000200	< 0.000200	0.00013 j	< 0.000200	< 0.000200	< 0.000200	0.00018 j	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.000333	< 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	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	0.000712	0.000374	0.000314 J	0.000746	0.000492	< 0.000200	< 0.000200	0.000636	< 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	< 0.000400	< 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
Pyrene	mg/L	0.21	0.000534	0.000294	0.000212	0.000428	0.000422	< 0.000200	< 0.000200	0.000468	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	FD	N	FD	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D														
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 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
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
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
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
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.12 J	< 2.00	0.22 J	0.25 J	< 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
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
VOCs for Attachment D														
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		Sample Date	09/14/2023	10/26/2023	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
		Sample Type	N	N	N	N	FD	N	FD	N	FD	N	FD
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D													
Benzene	ug/L	5	< 0.50	< 0.50	115	8.66	8.58	0.88	0.89	3.23	3.07	< 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
Ethylbenzene	ug/L	700	< 1.00	< 1.00	1.98	< 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	0.75 j	< 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
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
o-Xylene	ug/L	NS	< 1.00	< 1.00	2.51	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.0	< 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
Xylene, Total	ug/L	10000	< 2.00	< 2.00	3.26	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
VOCs for Attachment D													
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
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
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
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000074 j	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000100	0.000078 j	< 0.000200 UJ	< 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
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000100	0.000065 j	< 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
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	0.00029 j	< 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 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200 UJ	< 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
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
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
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
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

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

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

		Location	GW-22S	GW-22S
		Sample Date	05/08/2025	05/08/2025
		Sample Type	N	FD
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result
SVOCs for Attachment D				
Benzene	ug/L	5	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00
VOCs for Attachment D				
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
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EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
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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.
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J- = The result is an estimated quantity, but the result may be biased low.
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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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D													
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 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
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
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 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
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.11 J	< 1 SU	< 1	< 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
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 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
VOCs for Attachment D													
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D
		Sample Date	10/26/2023	10/26/2023	02/15/2024	05/09/2024	08/30/2024	11/21/2024	02/26/2025	05/07/2025
		Sample Type	N	FD	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D										
Benzene	ug/L	5	< 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
Ethylbenzene	ug/L	700	< 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
Methylene chloride	ug/L	0.2	< 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
o-Xylene	ug/L	NS	< 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
trans-1,2-Dichloroethene	ug/L	100	< 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
VOCs for Attachment D										
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	< 0.000100	< 0.000200 UJ	< 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	< 0.000100	< 0.000200 UJ	< 0.000200 UJ	< 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
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
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 BU	< 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 UJ	< 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
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D													
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 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
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.48 J	< 1	< 1	< 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
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
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.1 J	< 1	< 1	< 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
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 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
VOCs for Attachment D													
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25
		Sample Date	10/26/2023	02/14/2024	05/09/2024	08/28/2024	11/21/2024	03/18/2025	05/07/2025
		Sample Type	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D									
Benzene	ug/L	5	0.16 J	< 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	< 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
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	3.77	< 2.00	< 2.00	0.86 j	< 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
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.0 U	< 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
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
VOCs for Attachment D									
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	< 0.000100	< 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	< 0.000100	< 0.000200	< 0.000200 UJ	< 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
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
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 BU	< 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 UJ
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100 UJ
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
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
		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
		Sample Type	N	N	N	N	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D													
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
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 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
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.52 J	< 1	< 1	< 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
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
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.12 J	< 1	< 1	< 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
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 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
VOCs for Attachment D													
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

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

		Location	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26
		Sample Date	10/26/2023	02/15/2024	05/08/2024	08/29/2024	11/20/2024	03/18/2025	05/06/2025
		Sample Type	N	N	N	N	N	N	N
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D									
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	< 1.00	< 1.00	< 1.00	0.12 j	< 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	< 2.00	< 2.00	4.25	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 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
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
VOCs for Attachment D									
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	< 0.000100	< 0.000200 UJ	< 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	< 0.000100	< 0.000200 UJ	< 0.000200 UJ	< 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
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
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 BU	< 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 UJ	< 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
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result
SVOCs for Attachment D							
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
VOCs for Attachment D							
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	< 0.000100
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	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100
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
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result	Result
SVOCs for Attachment D								
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
VOCs for Attachment D								
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	< 0.000100
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	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000200	< 0.000100
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
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mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.

Attachment D
Analytical Data Summary 2021-May 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
Analyte	Unit	USEPA ROD 1992 CUOs	Result	Result	Result	Result	Result
SVOCs for Attachment D							
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
VOCs for Attachment D							
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	< 0.000100
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	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100
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
mg/L = milligrams per liter
ug/L = micrograms per liter
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard
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.
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J+ = The result is an estimated quantity, but the result may be biased high.
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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.

ATTACHMENT E DATA VALIDATION SUMMARY

ERM

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MEMO

TO	Michael Abegg
FROM	Rachel James
DATE	2025-06-02
REFERENCE	0760991
SUBJECT	Data Review of Ameren Taylorville, 2Q25 Groundwater Monitoring Samples. Samples Collected May 5-8, 2025: Teklab, Inc., Data Package(s) 25050776.

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

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

ERM reviewed the following items as part of the data validation.

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

- **Calibration:** The initial calibration type, fit, number of standards, and minimum response factors were evaluated. Additionally, the frequency and percent recoveries for initial and continuing calibration verification standards and blanks were evaluated.
- **Laboratory Blank Samples:** The preparation and analysis of reagent (contaminant-free) water was evaluated, along with the required frequency.
- **Field Blank Samples:** The collection and analysis of field blanks was evaluated. The reviewed data package(s) included the following associated field blanks: trip and equipment.
- **Laboratory Control Spike Samples:** Laboratory control spike sample preparation frequency and recoveries were reviewed as applicable.
- **Matrix Spike Samples:** Matrix spike and post digestion spike sample preparation frequency and recoveries were reviewed as applicable.
- **Surrogate Spikes:** The addition of appropriate surrogates and their recoveries were evaluated.
- **Internal standards:** The presence and recoveries of internal standards and their appropriate association to target analytes were reviewed.
- **Field Duplicate Samples:** Field duplicate recoveries and/or absolute differences were reviewed as applicable.
- **Recalculation:** Selected target analyte results in project samples were recalculated. Additionally, selected spike sample results (laboratory control, matrix spike, surrogate, post digestion spike, and serial dilution samples), duplicate sample results, continuing calibration results, tune percent 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:	Calibration Verification Evaluation
Table 3:	Laboratory Control Spike Evaluation
Table 4:	Matrix Spike Evaluation
Table 5:	Field Duplicate 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.

- **25050776:** 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 sample pH values, and, as applicable, all vials for volatile analysis were received with no documented headspace.

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 2.

ICV and CCV situations requiring additional professional judgement are detailed below.

LABORATORY BLANK EVALUATION

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

FIELD BLANK EVALUATION

The trip and equipment blank sample results were non-detected for each of the target analytes or were qualified as non-detected due to laboratory blank contamination. The blank results indicate that contaminants were not introduced to the samples during collection, shipment, handling, and storage.

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 3. Results were not qualified if the paired spiked sample recovery was acceptable, if high recoveries or RPDs were associated with non-detected results, or if the exception was not associated with reported results.

MATRIX SPIKE EVALUATION

The matrix spike (MS) recoveries and, if included, the matrix spike duplicate (MSD) recoveries and RPDs were within the laboratory's limits of acceptance for target analytes for spiked project samples, with the exceptions and any necessary qualifications noted in Table 4. MS/MSDs performed on non-project parent samples, if included, are not representative of the matrix for this project and were therefore not reviewed or presented. Results were not qualified if the paired spiked sample recovery was acceptable, if high recoveries or RPDs were associated with non-detected results, if the parent sample result was greater than four times that of the spike, if the spike was diluted out, or if the exception was not associated with reported results.

SURROGATE EVALUATION

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

INTERNAL STANDARD EVALUATION

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

FIELD DUPLICATE EVALUATION

One or more samples were submitted to the laboratory as field duplicates. RPDs or absolute differences were calculated as appropriate for detected results. When results were greater than or equal to five times the reporting limit, RPD control limits of 30 for an aqueous matrix or 50 for a non-aqueous matrix were used. When results were less than five times the reporting limit, difference limits of ± 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 5.

Field duplicate situations requiring additional professional judgement are detailed below.

- Target analytes were not detected in parent sample/field duplicate pair GW-22S-WG-20250508/DUP-002-WG-20250508; therefore, differences or RPDs were not calculated.

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

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

OVERALL ASSESSMENT

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

Table 1
Sample Summary
2Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	VOCs (8260B)	SVOCs (8270C)
25050776	GW-04R-WG-20250508	25050776-001	Groundwater	5/8/2025	-	x	x
	GW-05-WG-20250505	25050776-002	Groundwater	5/5/2025	-	x	x
	GW-07-WG-20250507	25050776-003	Groundwater	5/7/2025	-	x	x
	GW-14-WG-20250507	25050776-004	Groundwater	5/7/2025	-	x	x
	GW-15-WG-20250508	25050776-005	Groundwater	5/8/2025	-	x	x
	GW-16S-WG-20250507	25050776-006	Groundwater	5/7/2025	-	x	x
	GW-16D-WG-20250507	25050776-007	Groundwater	5/7/2025	-	x	x
	GW-17-WG-20250506	25050776-008	Groundwater	5/6/2025	-	x	x
	GW-18S-WG-20250506	25050776-009	Groundwater	5/6/2025	-	x	x
	GW-18D-WG-20250506	25050776-010	Groundwater	5/6/2025	-	x	x
	GW-19S-WG-20250506	25050776-011	Groundwater	5/6/2025	-	x	x
	GW-19D-WG-20250506	25050776-012	Groundwater	5/6/2025	-	x	x
	GW-20-WG-20250506	25050776-013	Groundwater	5/6/2025	-	x	x
	GW-22S-WG-20250508	25050776-014	Groundwater	5/8/2025	-	x	x
	GW-22D-WG-20250507	25050776-015	Groundwater	5/7/2025	-	x	x
	DUP-001-WG-20250507	25050776-016	Groundwater	5/7/2025	GW-07-WG-20250507	x	x
	TB-001-WQ-20250505	25050776-017	Water Quality	5/5/2025	-	x	
	DUP-002-WG-20250508	25050776-018	Groundwater	5/8/2025	GW-22S-WG-20250508	x	x

Table 1
Sample Summary
2Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	VOCs (8260B)	SVOCs (8270C)
25050776	GW-101S-WG-20250505	25050776-019	Groundwater	5/5/2025	-	x	x
	GW-102S-WG-20250505	25050776-020	Groundwater	5/5/2025	-	x	x
	GW-102D-WG-20250505	25050776-021	Groundwater	5/5/2025	-	x	x
	GW-25-WG-20250507	25050776-022	Groundwater	5/7/2025	-	x	x
	GW-26-WG-20250506	25050776-023	Groundwater	5/6/2025	-	x	x
	EQB-001-WQ-20250505	25050776-024	Water Quality	5/5/2025	-	x	x
	GW-20FF-WG-20250506	25050776-025	Groundwater	5/6/2025	-	x	x
	DUP-003-WG-20250508	25050776-026	Groundwater	5/8/2025	GW-04R-WG-20250508	x	x

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

Table 2
Calibration Verification Evaluation
2Q25 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
25050776	BNA250514E CCV	Benzo(k)fluoranthene	-37.4 %D	--	± 25 %D	DUP-003-WG-20250508	0.0118	mg/L	J

Notes:
%D = percent deviation
CCV = continuing calibration verification
ICV = initial calibration verification
J = estimated detected result
mg/L = milligrams per liter
RRF = relative response factor

Table 3
Laboratory Control Spike Evaluation
2Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
25050776	LCS -239097 LCSD-239097	None for qualification, one recovery passes	Benzo(b)fluoranthene	111.5/Pass	54.9-109	Pass	34.5	--	--	--

Notes:
-- = not applicable; associated data not affected
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
RPD = relative percent difference

Table 4
Matrix Spike Evaluation
2Q25 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
25050776	GW-25-WG-20250507 MS/MSD	GW-25-WG-20250507	m,p-Cresol	44.0/44.8	52.9-105	Pass	22.6	ND	mg/L	UJ
			o-Cresol	48.3/50.2	57.6-104	Pass	22.6	ND	mg/L	UJ

Notes:
MS = matrix spike
MSD = matrix spike duplicate
mg/L = milligrams per liter
ND = not detected
RPD = relative percent difference
UJ = non-detected, estimated report limit

Table 5
Field Duplicate Evaluation
2Q25 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					
25050776	GW-07-WG-20250507/ DUP-001-WG-20250507	Acenaphthene	0.000130	0.000104	0.000100	0.000100	mg/L	0.000026	--	0.000200	--
		Acenaphthylene	0.00015	0.000121	0.000100	0.000100	mg/L	0.000024	--	0.000200	--
		Anthracene	0.00151	0.00123	0.000300	0.000300	mg/L	0.00028	--	0.000600	--
		Benzo(a)anthracene	0.0002	0.000180	0.000100	0.000100	mg/L	0.000019	--	0.000200	--
		Bis(2-ethylhexyl)phthalate	0.00479	0.00348	0.00200	0.00200	mg/L	0.00131	--	0.00400	--
		Chrysene	0.00016	0.00013	0.00020	0.00020	mg/L	--	--	NA	--
		Fluoranthene	0.00076	0.000612	0.000300	0.000300	mg/L	0.000144	--	0.000600	--
		Fluorene	0.0003	0.000254	0.000200	0.000200	mg/L	0.00005	--	0.000400	--
		Pyrene	0.00255	0.00208	0.000200	0.000200	mg/L	--	20	30	--
	GW-04R-WG-20250508/ DUP-003-WG-20250508	Acenaphthene	0.0228	0.0228	0.00500	0.00500	mg/L	0	--	0.0100	--
		Acenaphthylene	0.0183	0.0236	0.00500	0.00500	mg/L	0.0053	--	0.0100	--
		Anthracene	0.00309	0.0160	0.000300	0.0150	mg/L	0.01291	--	0.000600	J
		Benzo(a)anthracene	0.00904	0.0245	0.00500	0.00500	mg/L	0.01546	--	0.0100	J
		Benzo(a)pyrene	0.00439	0.00399	0.000200	0.000200	mg/L	--	9.5	30	--
		Benzo(b)fluoranthene	0.0120	0.0354	0.0100	0.0100	mg/L	0.0234	--	0.0200	J
		Benzo(g,h,i)perylene	0.00186	0.0067	0.000200	0.010	mg/L	0.00484	--	0.000400	J
		Benzo(k)fluoranthene	0.00249	0.0118	0.000200	0.0100	mg/L	0.00931	--	0.000400	J
		Bis(2-ethylhexyl)phthalate	ND	0.0018	0.00200	0.020	mg/L	--	--	NA	--
		Chrysene	0.0201	0.0504	0.0100	0.0100	mg/L	0.0303	--	0.0200	J
		Dibenzo(a,h)anthracene	0.00122	0.00482	0.000200	0.000200	mg/L	--	119	30	J
		Fluoranthene	0.0431	0.102	0.0150	0.0150	mg/L	0.0589	--	0.0300	J
		Fluorene	0.0808	0.102	0.0100	0.0100	mg/L	--	23	30	--
		Indeno(1,2,3-cd)pyrene	0.00237	0.0091	0.000200	0.010	mg/L	0.00673	--	0.000400	J
		m,p-Cresol	0.0022	0.0027	0.010	0.010	mg/L	--	--	NA	--
		Naphthalene	0.267	0.263	0.200	0.200	mg/L	0.004	--	0.400	--
		o-Cresol	0.0016	ND	0.0100	0.0100	mg/L	--	--	NA	--
		Phenanthrene	0.144	ND	0.0300	0.300	mg/L	--	--	NA	--
		Pyrene	0.0314	0.0798	0.0100	0.0100	mg/L	0.0484	--	0.0200	J

Table 5
Field Duplicate Evaluation
2Q25 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					
25050776	GW-04R-WG-20250508/ DUP-003-WG-20250508	Benzene	874	883	5.00	5.00	µg/L	--	1.0	30	--
		Ethylbenzene	253	269	10.0	10.0	µg/L	--	6.1	30	--
		m,p-Xylenes	69.3	73.8	10.0	10.0	µg/L	--	6.3	30	--
		Methylene chloride	13	18	20	20	µg/L	--	--	NA	--
		Naphthalene	822	803	20.0	20.0	µg/L	--	2.3	30	--
		o-Xylene	159	167	10.0	10.0	µg/L	--	4.9	30	--
		Toluene	178	185	20.0	20.0	µg/L	--	3.9	30	--
		Xylenes, Total	228	240	20.0	20.0	µg/L	--	5.1	30	--

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