January 21, 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 Fourth Quarter, 2024 report for the Taylorville Manufactured Gas Plant Site. This report is a summary of events. Reports and notifications of events are reported in addition to this summary throughout the quarter.

Fourth Quarter 2024 – Events

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

First Quarter 2025 – Plans

- Collect First quarter groundwater samples in February.
- Regrading of the rip rap on the southern edge of the site will be performed.

Problems Encountered or Anticipated Problems

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

We have treated 1,376,572,870 gallons of groundwater through the system since startup until the end of December 2024. There has not been any migration of contamination off-site.

I certify under penalty of law that the specific Activity and Use Limitations identified in Paragraph 7 of the Uniform Environmental Covenant for the Ameren Taylorville MGP site remain in place. I am aware that any person who knowingly makes a false, fictitious, or

fraudulent material statement to the Illinois EPA, either orally or in writing, commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony (415 ILCS 5/44(h) (8)).

Sincerely,

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

Attachments

Attachments

Pumping Summary and Treatment Plant Results (October - November)

Monitoring Well Location Map

Year 2024 Quarter 4 Groundwater Sampling Results

MGP Pump & Treat System Summary
Taylorville, Illinois
October 2024

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Oct-24					
1	4,556,225	92,586	WEST	NM (1)	42
2	4,648,811	58,227	WEST	NM (1)	44
3	4,707,038	82,877	WEST	NM (1)	46
4	4,789,915	69,290	WEST	NM (1)	48
5	4,859,205	61,741	WEST	NM (1)	48
6	4,920,946	86,308	WEST	NM (1)	48
7	5,007,254	64,424	WEST	NM (1)	46
8	5,071,678	60,822	WEST	NM (1)	46
9	5,132,500	33,282	WEST	NM (1)	46
10	5,165,782	79,488	WEST	NM (1)	46
11	5,245,270	61,247	WEST	NM (1)	44
12	5,306,517	71,522	WEST	NM (1)	48
13	5,378,039	72,479	WEST	NM (1)	48
14	5,450,518	59,919	WEST	NM (1)	46
15	5,510,437	58,402	WEST	NM (1)	46
16	5,568,839	31,304	WEST	NM (1)	44
17	5,600,143	70,746	WEST	NM (1)	46
18	5,670,889	39,459	WEST	NM (1)	45
19	5,710,348	65,656	WEST	NM (1)	45
20	5,776,004	73,910	WEST	NM (1)	46
21	5,849,914	52,537	WEST	NM (1)	47
22	5,902,451	48,435	WEST	NM (1)	45
23	5,950,886	29,052	WEST	NM (1)	47
24	5,979,938	57,015	WEST	NM (1)	47
25	6,036,953	56,974	WEST	NM (1)	44
26	6,093,927	69,305	WEST	NM (1)	45
27	6,163,232	54,315	WEST	NM (1)	44
28	6,217,547	50,297	WEST	NM (1)	47
29	6,267,844	43,277	WEST	NM (1)	48
30	6,311,121	28,487	WEST	NM (1)	47
31	6,339,608	70,599	WEST	NM (1)	48
Nov-24	6,410,207				

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

Flow Data	**Gallons**
For Month	1,853,982
To Pond	1,853,982
Below Pond	
Average	59,806
Maximum	92,586
Minimum	28,487
Total Through Sept	1,371,081,894
Total Through Oct	1,372,935,876

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**
	10/3/2024	10/3/2024	10/3/2024
	10/10/2024	10/10/2024	10/10/2024
	10/17/2024	10/17/2024	10/17/2024
	10/24/2024	10/24/2024	10/24/2024
	10/31/2024	10/31/2024	10/31/2024
Drum Disposal	None		

NOTES:

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
October 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	10/2/2024		10/9/2024		10/16/2024		10/23/2024		10/30/2024		Average	Maximum	
Lab pH		-	-	-	7.04	H	7.08	H	7.10	H	7.02	H	7.02	H	7.05	7.10	H
Iron, Dissolved	mg/L	-	-	-	0.5890		0.6480		0.4900		ND		0.0773		0.5757	0.6480	
Iron, Total	mg/L	-	-	-	1.27		1.23		1.02		1.32		0.896		1.15	1.32	
Acenaphthene	mg/L	-	-	0.42	0.00533		0.00896		0.00447		0.00265		0.00487		0.00526	0.00896	
Acenaphthylene	mg/L	-	-	-	0.00074		0.00195		0.00114		0.000278		0.000406		0.000902	0.00195	
Anthracene	mg/L	-	-	2.1	0.00205		0.00282		0.00117		0.000369		0.00168		0.00162	0.00282	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000156**		**0.000170**		**0.000162**		**0.000174**		**0.000148**		**0.000166**	**0.000174**	
Benzo(a)pyrene	mg/L	-	-	0.00023	ND		ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	0.00016	J	0.00014	J	0.00012	J	0.00014	J	0.00013	J	0.00014	0.00016	J
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00266		0.00248		0.00226		0.00242		0.00222		0.00241	0.00266	
Fluorene	mg/L	-	-	-	0.00388		0.00498		0.00172		0.000462		0.00287		0.00278	0.00498	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	ND		0.00110	J	ND		ND		ND		0.00110	0.00110	J
o-Cresol	mg/L	-	-	0.35	0.00430	J	0.00150	J	0.00190	J	0.00084	J	0.00180	J	0.00207	0.00430	J
Phenanthrene	mg/L	-	-	-	0.0021		0.0089		ND		ND		ND		0.0055	0.0089	
Pyrene	mg/L	-	-	-	0.00299		0.00290		0.00246		0.00272		0.00244		0.00270	0.00299	
Total PNAs except Naphthalene	mg/L	-	-	-	0.02010		0.03330		0.01350		0.00921		0.01480		0.01818	0.03330	
Benzene	µg/L	-	-	5	**81.6**		**75.5**		**72.4**		**78.4**		**72.6**		**76.1**	**81.6**	
Ethylbenzene	µg/L	-	-	700	35.4		24.4		25.1		25.4		24.0		26.9	35.4	
m,p-Xylenes	µg/L	-	-	-	24.8		18.4		19.3		19.8		18.5		20.2	24.8	
Naphthalene	µg/L	-	-	25	**158**		**96**		**134**		**107**		**138**		**127**	**158**	
o-Xylene	µg/L	-	-	-	14.0		10.6		11.1		11.4		11.0		11.6	14.0	
Toluene	µg/L	-	-	1000	73.6		49.1		48.7		49.6		46.8		53.6	73.6	
Xylenes, Total	µg/L	-	-	10000	38.7		29.0		30.5		31.2		29.5		31.8	38.7	

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

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	10/2/2024		10/9/2024		10/16/2024		10/23/2024		10/30/2024		Average	Maximum	
Lab pH		-	-	-	7.08	H	7.05	H	7.11	H	7.02	H	6.98	H	7.05	7.11	H
Iron, Dissolved	mg/L	-	-	-	0.0210	J	0.0561		ND		0.0425		0.0320	J	0.0379	0.0561	J
Iron, Total	mg/L	-	-	-	0.0438		0.0790		ND		0.0440		ND		0.0556	0.0790	J
Acenaphthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	-	-	ND		0.3	J	ND		0.3	J	ND		0.3	0.3	J
Ethylbenzene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	-	-	ND		ND		1.1		5.1		ND		3.1	5.1	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	0	
Toluene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	0	
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	0	

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

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
October 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	10/2/2024		10/9/2024		10/16/2024		10/23/2024		10/30/2024		Average	Maximum	
Lab pH		-	-	-	7.08	H	7.21	H	7.14	H	7.04	H	7.01	H	7.11	7.21	H
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND		ND		ND		ND		ND		ND	ND	
Acenaphthene	mg/L	-	0.0608	-	ND		ND		ND		ND	S	ND		ND	ND	S
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	S	ND		ND		ND		ND		ND	ND	S
Benzo(k)fluoranthene	mg/L	-	-	-	ND	S	ND		ND		ND	S	ND		ND	ND	S
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND	S	ND		ND	ND	S
Fluoranthene	mg/L	0.053	0.398	-	ND		ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	0.01	-	ND		ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	50	-	ND		ND		ND		ND		ND		ND	ND	
Ethylbenzene	µg/L	17	216	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	670	-	ND		ND		ND		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Toluene	µg/L	70	750	-	ND		ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	117	750	-	ND		ND		ND		ND		ND		ND	ND	

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

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	10/2/2024	10/10/2024	10/16/2024	10/23/2024	10/30/2024	Average	Maximum
Benzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Naphthalene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
o-Xylene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND

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

MGP Pump & Treat System Summary
Taylorville, Illinois
November 2024

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Nov-24					
1	6,410,207	48,625	WEST	NM (1)	45
2	6,458,832	61,912	WEST	NM (1)	45
3	6,520,744	71,046	WEST	NM (1)	45
4	6,591,790	53,412	WEST	NM (1)	47
5	6,645,202	51,766	WEST	NM (1)	46
6	6,696,968	29,134	WEST	NM (1)	46
7	6,726,102	59,029	WEST	NM (1)	46
8	6,785,131	51,635	WEST	NM (1)	46
9	6,836,766	79,188	WEST	NM (1)	46
10	6,915,954	88,383	WEST	NM (1)	46
11	7,004,337	75,192	WEST	NM (1)	46
12	7,079,529	71,294	WEST	NM (1)	46
13	7,150,823	48,891	WEST	NM (1)	46
14	7,199,714	45,779	WEST	NM (1)	46
15	7,245,493	90,943	WEST	NM (1)	45
16	7,336,436	64,504	WEST	NM (1)	45
17	7,400,940	66,829	WEST	NM (1)	45
18	7,467,769	84,259	WEST	NM (1)	46
19	7,552,028	17,209	WEST	NM (1)	46
20	7,569,237	40,154	WEST	NM (1)	46
21	7,609,391	65,382	WEST	NM (1)	44
22	7,674,773	87,944	WEST	NM (1)	45
23	7,762,717	73,504	WEST	NM (1)	45
24	7,836,221	70,330	WEST	NM (1)	46
25	7,906,551	64,013	WEST	NM (1)	46
26	7,970,564	36,157	WEST	NM (1)	46
27	8,006,721	63,105	WEST	NM (1)	46
28	8,069,826	70,848	WEST	NM (1)	45
29	8,140,674	70,228	WEST	NM (1)	46
30	8,210,902	76,249	WEST	NM (1)	46
Dec-24	8,287,151			NM (1)	46

(1) Not measured - RW abandoned

Flow Data	**Gallons**
For Month	1,876,944
To Pond	1,876,944
Below Pond	
Average	62,565
Maximum	90,943
Minimum	17,209
Total Through Oct	1,372,935,876
Total Through Nov	1,374,812,820

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None	None	
Back Washed Vessels	11/9/2024	11/9/2024	
Changed Bag Filters	**North**	**Middle**	**South**
	11/7/2024	11/7/2024	11/7/2024
	11/14/2024	11/14/2024	11/14/2024
	11/21/2024	11/21/2024	11/21/2024
	11/27/2024	11/27/2024	11/27/2024
Drum Disposal	None		

Notes:

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
November 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	11/6/2024		11/13/2024		11/20/2024		11/26/2024		Average	Maximum	
Lab pH		-	-	-	7.02	H	7.19	H	7.05	H	7.05	H	7.08	7.19	H
Iron, Dissolved	mg/L	-	-	-	0.290		0.217		0.808		0.616		0.483	0.808	
Iron, Total	mg/L	-	-	-	1.03		1.11		1.25		1.11		1.13	1.25	
Acenaphthene	mg/L	-	-	0.42	0.00588		0.00788	B	0.01200		0.00836		0.00853	0.01200	
Acenaphthylene	mg/L	-	-	-	0.000500		0.000698		0.00457		0.00101		0.00169	0.00457	
Anthracene	mg/L	-	-	2.1	0.00193		0.00220		0.00298		0.00290		0.00250	0.00298	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000162**		**0.000180**		**0.000490**		**0.000137**		**0.000242**	**0.000490**	
Benzo(a)pyrene	mg/L	-	-	0.00023	ND		ND		0.000287		ND		0.000287	0.000287	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		0.000499		ND		0.000499	0.000499	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		0.00025		ND		0.00025	0.00025	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		0.00015	J	ND		0.00015	0.00015	J
Chrysene	mg/L	-	-	-	0.00015	J	0.000140	J	0.000479		0.000160	J	0.000232	0.000479	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00238		0.00255		0.00318		0.00246		0.00268	0.00318	
Fluorene	mg/L	-	-	-	0.00383		0.00492		0.00601		0.00618		0.00544	0.00618	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		0.00017	J	ND		0.00017	0.00017	J
m,p-Cresol	mg/L	-	-	0.35	ND		ND		ND		0.00077	J	0.00077	0.00077	J
o-Cresol	mg/L	-	-	0.35	0.0014	J	0.0033	J	0.0007	J	0.0032	J	0.0023	0.0033	J
Phenanthrene	mg/L	-	-	-	0.00128		ND		0.0138		0.00632		0.0083	0.0138	
Pyrene	mg/L	-	-	-	0.00254		0.00284		0.00364		0.00289		0.00304	0.00364	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0187		0.0267		0.0485		0.0304		0.0328	0.0485	
Benzene	µg/L	-	-	5	**73.7**		**99.9**		**105**		**83.2**		**92.8**	**105**	
Ethylbenzene	µg/L	-	-	700	27.1		41.1		42.8		33.8		37.5	42.8	
m,p-Xylenes	µg/L	-	-	-	20.7		28.7		30.0		24.4		26.7	30.0	
Naphthalene	µg/L	-	-	25	**149**		**198**		**230**		**196**		**200**	**230**	
o-Xylene	µg/L	-	-	-	12.7		16		16.1		13.5		14.8	16.1	
Toluene	µg/L	-	-	1000	55.4		78		78.4		60.7		70.0	78	
Xylenes, Total	µg/L	-	-	10000	33.4		44.7		46.1		38.0		41.6	46.1	

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

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	1/6/2024		11/13/2024		11/20/2024		11/26/2024		Average	Maximum	
Lab pH		-	-	-	7.01	H	7.13	H	7.07	H	6.99	H	7.06	7.13	H
Iron, Dissolved	mg/L	-	-	-	0.0240	J	0.0300	J	0.0521		0.0390	J	0.0380	0.0521	
Iron, Total	mg/L	-	-	-	0.0779		0.0460		0.0400	J	0.0250	J	0.0428	0.0779	
Acenaphthene	mg/L	-	-	-	ND		ND	B	ND		ND		ND	ND	B
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	-	-	0.2	J	0.5	J	0.4	J	ND		0.4	0.5 J	
Ethylbenzene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	-	-	1.3		ND		ND		ND		1.3	1.3	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Toluene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	

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

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
November 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	11/6/2024		11/13/2024		11/20/2024		11/26/2024		Average	Maximum	
Lab pH		-	-	-	7.11	H	7.16	H	7.03	H	7.22	H	7.13	7.22	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		0.00007	BJS	ND	S	ND		0.00007	0.00007	BJS
Acenaphthylene	mg/L	-	-	-	ND		ND	S	ND	S	ND		ND	ND	S
Anthracene	mg/L	-	0.0023	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	0.001	-	ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND		ND	S	ND		ND	ND	S
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	0.053	0.398	-	ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	0.01	-	ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	50	-	ND		ND		ND		ND		ND	ND	
Ethylbenzene	µg/L	17	216	-	ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	670	-	ND		ND		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Toluene	µg/L	70	750	-	ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	117	750	-	ND		ND		ND		ND		ND	ND	

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

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	11/6/2023	11/13/2024	11/20/2024	11/26/2024	Average	Maximum
Benzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	ND	0.2 J	ND	0.2	0.2 J
m,p-Xylenes	µg/L	-	-	-	ND	ND	0.4 BJ	ND	0.4	0.4 BJ
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	0.4 BJ	ND	0.4	0.4 BJ

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

MGP Pump & Treat System Summary
Taylorville, Illinois
December 2024

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Dec-24					
1	8,287,151	70,796	WEST	NM (1)	46
2	8,357,947	59,778	WEST	NM (1)	44
3	8,417,725	57,082	WEST	NM (1)	40
4	8,474,807	35,148	WEST	NM (1)	42
5	8,509,955	63,788	WEST	NM (1)	42
6	8,573,743	60,624	WEST	NM (1)	40
7	8,634,367	56,274	WEST	NM (1)	42
8	8,690,641	73,658	WEST	NM (1)	42
9	8,764,299	56,440	WEST	NM (1)	46
10	8,820,739	52,495	WEST	NM (1)	45
11	8,873,234	27,877	WEST	NM (1)	44
12	8,901,111	62,673	WEST	NM (1)	44
13	8,963,784	53,369	WEST	NM (1)	45
14	9,017,153	72,193	WEST	NM (1)	43
15	9,089,346	52,098	WEST	NM (1)	42
16	9,141,444	49,522	WEST	NM (1)	43
17	9,190,966	59,994	WEST	NM (1)	46
18	9,250,960	27,437	WEST	NM (1)	46
19	9,278,397	50,807	WEST	NM (1)	46
20	9,329,204	57,683	WEST	NM (1)	44
21	9,386,887	57,724	WEST	NM (1)	44
22	9,444,611	57,353	WEST	NM (1)	44
23	9,501,964	51,149	WEST	NM (1)	44
24	9,553,113	39,942	WEST	NM (1)	44
25	9,593,055	53,521	WEST	NM (1)	44
26	9,646,576	63,133	WEST	NM (1)	46
27	9,709,709	45,288	WEST	NM (1)	45
28	9,754,997	49,603	WEST	NM (1)	46
29	9,804,600	104,218	WEST	NM (1)	47
30	9,908,818	76,247	WEST	NM (1)	42
31	9,985,065	62,136	WEST	NM (1)	42
Jan-25	47,202				42

(1) Not measured - RW abandoned
(2) Flow Totalizer Reset 1/1/2025

Flow Data	**Gallons**
For Month	1,760,050
To Pond	1,760,050
Below Pond	0
Average	56,776
Maximum	104,218
Minimum	27,437
Total Through Nov	1,374,812,820
Total Through Dec	1,376,572,870

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None	None	
Back Washed Vessels	12/29/24	12/29/24	
Changed Bag Filters	**North**	**Middle**	**South**
	12/5/2024	12/5/2024	12/5/2024
	12/12/2024	12/12/2024	12/12/2024
	12/19/2024	12/19/2024	12/19/2024
	12/26/2024	12/26/2024	12/26/2024
Drum Disposal	None		

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
December 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	12/4/2024		12/11/2024		12/18/2024		12/23/2024		12/30/2024		Average	Maximum	
Lab pH		-	-	-	7.14	H	7.22	H	7.17	H	7.17	H	6.89	H	7.12	7.22	H
Iron, Dissolved	mg/L	-	-	-	0.295		0.171		0.104		0.328		0.700		0.320	0.700	
Iron, Total	mg/L	-	-	-	1.2		0.984		1.13		1.08		1.21		1.12	1.21	
Acenaphthene	mg/L	-	-	0.42	0.0106		0.0047		0.0104		0.0124		0.0111		0.0098	0.0124	
Acenaphthylene	mg/L	-	-	-	0.00344		0.00053		0.00238		0.00276		0.00423		0.00267	0.00423	
Anthracene	mg/L	-	-	2.1	0.00243		0.00229		0.00278		0.00340		0.00309		0.00280	0.00340	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000176**		0.000127		**0.000185**		**0.000215**		**0.000130**		**0.000167**	**0.000215**	
Benzo(a)pyrene	mg/L	-	-	0.00023	ND		ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		0.000321		ND		0.000321	0.000321	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		0.000977		ND		0.000977	0.000977	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		0.000408		ND		0.000408	0.000408	
Chrysene	mg/L	-	-	-	0.00014	J	0.00014	J	0.00016	J	0.000302		0.00015	J	0.000178	0.000302	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		0.00143		ND		0.00143	0.00143	
Fluoranthene	mg/L	-	-	0.28	0.00237		0.00240		0.00268		0.00295	B	0.00317	B	0.00271	0.00317	B
Fluorene	mg/L	-	-	-	0.00603		0.00491		0.00603		0.00662		0.00672		0.00606	0.00672	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		0.00112		ND		0.00112	0.00112	
m,p-Cresol	mg/L	-	-	0.35	0.00072	J	ND		ND		ND		0.00074	J	0.00073	0.00074	J
o-Cresol	mg/L	-	-	0.35	0.00093	J	0.0041	J	0.0011	J	ND		0.0025	J	0.0022	0.0041	J
Phenanthrene	mg/L	-	-	-	0.0107		0.00289		0.0101		0.0119	B	0.0144	B	0.0100	0.0144	B
Pyrene	mg/L	-	-	-	0.00251		0.0026		0.00319		0.00326	B	0.00280	B	0.00287	0.00326	B
Total PNAs except Naphthalene	mg/L	-	-	-	0.0384		0.0206		0.0379		0.0481		0.0458		0.0382	0.0481	
Benzene	µg/L	-	-	5	**77.0**		**77.4**		**77.3**		**81.9**		**103**		**83.3**	**103**	
Ethylbenzene	µg/L	-	-	700	29.1		28.9		27.5		30.1		41.4		31.4	41.4	
m,p-Xylenes	µg/L	-	-	-	21.6		22.1		22.4		23.0		30.3		23.9	30.3	
Naphthalene	µg/L	-	-	25	**177**		**177**		**192**		**197**		**255**		**200**	**255**	
o-Xylene	µg/L	-	-	-	12.3		12.9		13.1		13.4		16.5		13.6	16.5	
Toluene	µg/L	-	-	1000	53.4		52.1		49.7		57.0		79.9		58.4	79.9	
Xylenes, Total	µg/L	-	-	10000	33.9		35.0		35.5		36.4		46.8		37.5	46.8	

J = Estimated concentration
BOLD text indicates exceedance of the groundwater quality standard
B = Analyte present in method blank
H= Holding times exceeded

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	12/4/2024		12/11/2024		12/18/2024		12/23/2024		12/30/2024		Average	Maximum	
Lab pH		-	-	-	7.05	H	7.16	H	7.01	H	7.16	H	6.81	H	7.04	7.16	H
Iron, Dissolved	mg/L	-	-	-	ND		0.0474		0.0220	J	0.0370	J	0.0210	J	0.0319	0.0474	
Iron, Total	mg/L	-	-	-	0.0626		0.0810		0.0290	J	0.0722		ND		0.0612	0.0810	
Acenaphthene	mg/L	-	-	-	ND		ND		ND		0.000073	J	ND		0.00	0.000073	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		0.000360	B	0.000528	B	0.000444	0.000528	
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		0.000605	B	0.00147	B	0.00104	0.00147	B
Pyrene	mg/L	-	-	-	ND		ND		ND		0.000216	B	0.000221	B	0.000219	0.000221	B
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	-	-	0.3	J	0.3	J	0.3	J	0.3	J	ND		0.3	0.3	J
Ethylbenzene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	-	-	1.7		2.0		2.1		2.2		ND		2.0	2.2	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Toluene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	

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

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
December 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	12/4/2024		12/11/2024		12/18/2024		12/24/2024		12/30/2024		Average	Maximum	
Lab pH		-	-		7.17	H	7.09	H	7.13	H	7.15	H	6.87	H	7.08	7.17	H
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND		ND		ND		ND		ND		ND	ND	
Acenaphthene	mg/L	-	0.0608	-	ND		ND		ND	S	ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND	S	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	S	ND		ND		ND	S	ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND		ND	SR	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		0.000319	B	0.000519	B	0.000419	0.000519	B
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	0.01	-	ND		ND		ND		0.00058	BJ	0.00160	BS	0.00109	0.00160	BS
Pyrene	mg/L	-	-	-	ND		ND		ND		0.00019	BJ	0.00019	BJ	0.00019	0.00019	BJ
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	50	-	ND		ND		ND		ND		ND		ND	ND	
Ethylbenzene	µg/L	17	216	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	670	-	ND		ND		ND		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Toluene	µg/L	70	750	-	ND		ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	117	750	-	ND		ND		ND		ND		ND		ND	ND	

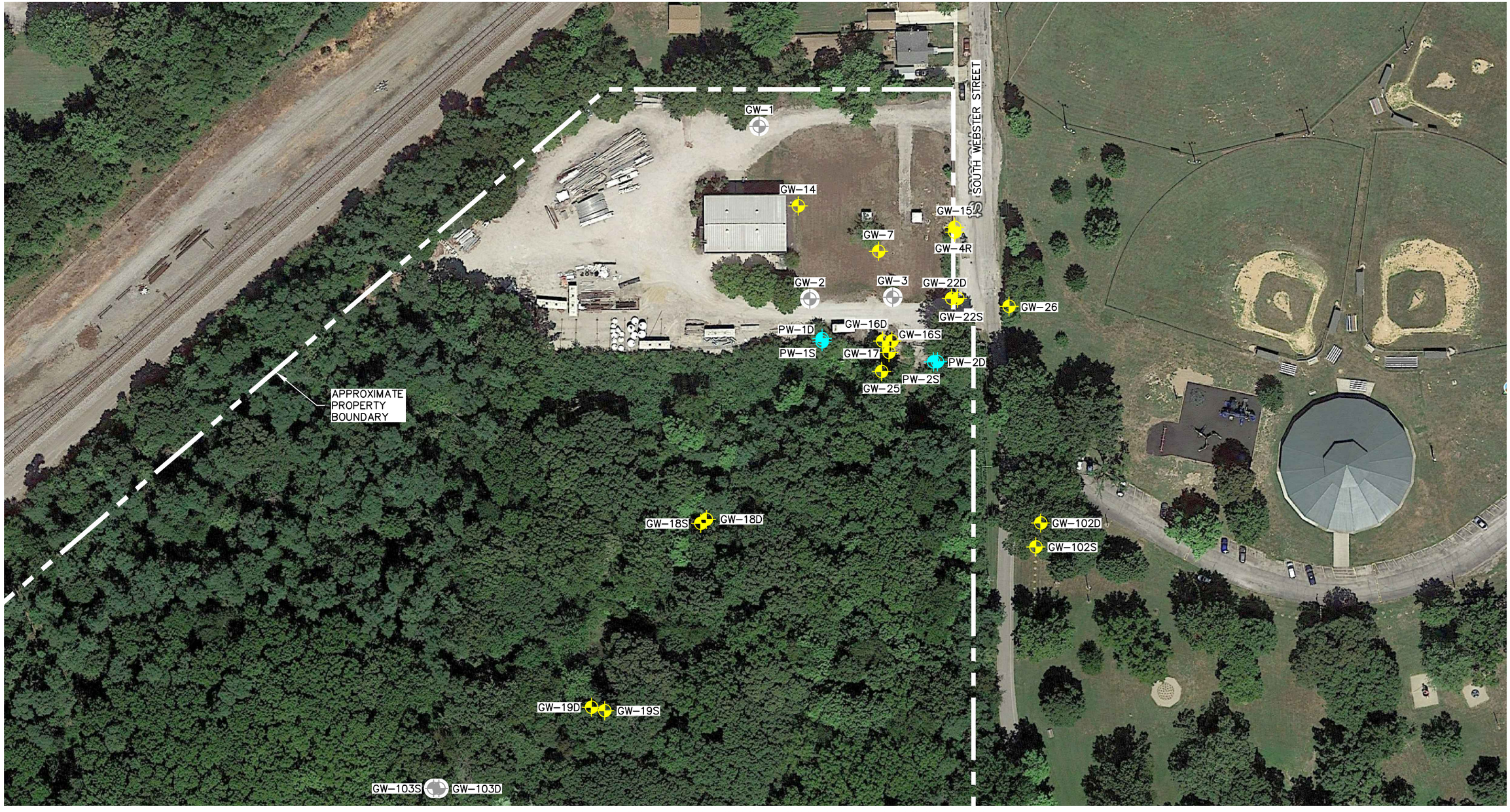
ND=Not detected above the project acceptable detection limit
J=Analyte detected below quantitation limits
S=Spike recovery outside recovery limits
H= Holding times exceeded
R = MS/MSD RPD outside control limits
B = Analyte present in method blank

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	12/4/2024	12/11/2024	12/18/2024	12/24/2024	12/30/2024	Average	Maximum
Benzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	ND	ND	ND	0.1 J	0.1 J	0.1 J
m,p-Xylenes	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Naphthalene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
o-Xylene	µg/L	-	-	-	ND	ND	ND	ND	0.1 J	0.1 J	0.1 J
Toluene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	ND	ND	ND	ND	ND	ND

ND=Not detected above the project acceptable detection limit
J = Estimated concentration

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

T +1 314 733 4490
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
21 January 2025

SUBJECT
Year 2024 Quarter 4 Groundwater Sampling Results
Former MGP Site – Taylorville, Illinois

REFERENCE
0721631

Dear Mr. Martin:

Environmental Resources Management, Inc. (ERM) has completed the fourth quarter 2024 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 19 November through 22 November 2024.

METHODOLOGY

During the sampling event, groundwater samples were collected from 17 monitoring wells, which includes six (6) monitoring wells inside the parent parcel, four (4) of which are located inside the Site boundary; nine (9) monitoring wells south of the parent parcel in Ameren owned parcels; and two (2) monitoring wells located offsite and outside of Ameren-owned property. A monitoring well location map is 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 or sampling on 19 November 2024 using a decontaminated water level meter referenced from the marked top of casing to an accuracy of 0.01 feet. After completion of groundwater gauging, an equipment blank sample (EQB-001) was collected from the water level meter.

Purging and sampling was conducted at all monitoring wells, with the exception of GW-4R and GW-20, using a dedicated bladder pump installed in the middle of the well screen. Disposable 3/8 inch inner diameter (ID) by 1/2 inch outer diameter (OD) polyethylene tubing was used to connect the bladder pump 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 low well volume observed at GW-4R, the installed bladder pump was ineffective in purging groundwater from the well. A new disposable bailer was installed in this monitoring well and an equipment blank sample (EQB-002) was collected from this bailer prior to installation. Historically, GW-20 has been sampled and purged using a dedicated bailer, due to the shallow depth to water and low well volume.

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

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

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

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

Samples were handled under chain-of-custody procedures and were delivered to Teklab, Inc. (Teklab) in Collinsville, IL by ERM. Groundwater samples were analyzed for the constituents of concern (COCs) established in the 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 fourth quarter 2024 sampling event ranged from 3.30 to 19.14 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 39 feet below ground surface (bgs) on 19 November 2024. The groundwater elevation was approximately 580 feet above mean sea level. For comparison, the measured groundwater elevation at nearby monitoring well GW-7 is 599.54 feet above mean sea level, indicating that groundwater in this area flows toward the extraction well.

The groundwater contour shown on Figure 3 was developed using the groundwater elevations measured on 19 November 2024. For nested pair monitoring wells, groundwater elevations measured from the shallow monitoring wells were used in development of the groundwater contour rather than the deep monitoring wells due to the potential presence of a vertical groundwater gradient.

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

DATA VALIDATION

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

Stage 3 data validation, including additional data review of calibration, internal standards and recalculation, was completed for 20 percent of the samples. Following the data validation, one of the equipment blank sample results (EQB-002) required rejection. This equipment blank sample was collected on a new bailer prior to purging and sampling groundwater at GW-04R.The equipment blank sample was re-extracted and re-analyzed past holding time due to suspected contamination in the original extraction. The non-detected results were rejected due to the holding time exceedance. Therefore, this equipment blank sample cannot be used to assess the potential for field contamination to the associated samples collected from GW-04R.

Excluding the rejected results, the quality of the data generated was determined to be acceptable and usable for decision-making purpose. 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 ‘R’ qualifier, added following data validation by ERM, indicates that the result is rejected. These qualifiers are applied to sample results in the summary table provided in Attachment C. The data validation summary for the fourth quarter sampling results is provided as Attachment E.

ANALYTICAL RESULTS

Analytical results from the groundwater samples collected during the fourth quarter 2024 sampling event were compared to site-specific clean up objectives (CUOs) established in the USEPA 1992 ROD for the Site. The laboratory report for the fourth quarter 2024 sampling event is provided as Attachment A. Attachment C contains the validated analytical data summary for the fourth quarter 2024 sampling event. Attachment D contains the historical data summary for the site monitoring wells from the period of February 2020 through November 2024.

Of the 17 monitoring wells sampled during the fourth quarter 2024 groundwater sampling event, samples at six (6) monitoring wells contained exceedances of Site CUOs.

Site Monitoring Wells

GW-4R

The following COCs were detected in the primary and duplicate groundwater sample collected from GW-4R exceeding ROD CUOs:

- Benzene,
- Naphthalene,
- Benzo(a)anthracene,
- Benzo(a)pyrene,
- Benzo(b)fluoranthene,
- Benzo(k)fluoranthene,
- Chrysene,
- Dibenzo(a,h)anthracene, and
- Indeno(1,2,3-cd)pyrene

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

GW-7

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

GW-14

Bis(2-ethylhexyl)phthalate was detected in the groundwater 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 collected from monitoring wells located on the downgradient perimeter of the Site, which include monitoring wells: GW-16S, GW-16D, GW-17, GW-18S, GW-18D, GW-19S, GW-19D, GW-20, GW-22S, GW-22D, GW-25, and GW-26, did not have any exceedances of the CUOs, with three (3) exceptions discussed below.

GW-18D

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

GW-22S

The groundwater sample collected from GW-22S contained detections of bis(2-ethylhexyl)phthalate exceeding CUOs. This constituent has been previously detected above CUOs from the groundwater samples collected from this monitoring well.

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 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. Rather, these impacts are likely biased high due to high turbidity measurements (450 NTU) observed in the sample.

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 fourth quarter 2024 groundwater sampling event at the Site from 19 November through 22 November 2024. Samples and groundwater level measurements were collected from 17 monitoring wells. Groundwater flow was observed to be

primarily flat within the Site and immediate vicinity, with hydraulic containment extending to about GW-25. South of this location, and on Ameren-owned property, the gradient is generally south-southeast.

Exceedances of CUOs that are known to be MGP COCs were exclusively observed in groundwater samples collected from on-site monitoring wells GW-4R, GW-7 and GW-14. Groundwater samples collected from GW-4R continue to contain the highest concentrations of COCs. Groundwater samples collected from GW-7, GW-14, GW-18D, and GW-22S contain detections of bis(2-ethylhexyl)phthalate exceeding the ROD CUO. However, this constituent is not typically considered an MGP COC, and the detections of this constituent likely reflect background, laboratory, or sample methodology influences.

The 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. These observations are consistent with what has historically been observed from samples collected at these monitoring wells.

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

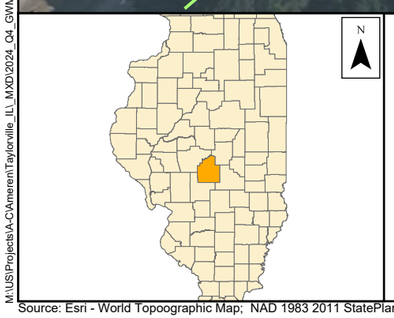
Sincerely,

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: Bing Maps

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

Environmental Resources Management
www.erm.com

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

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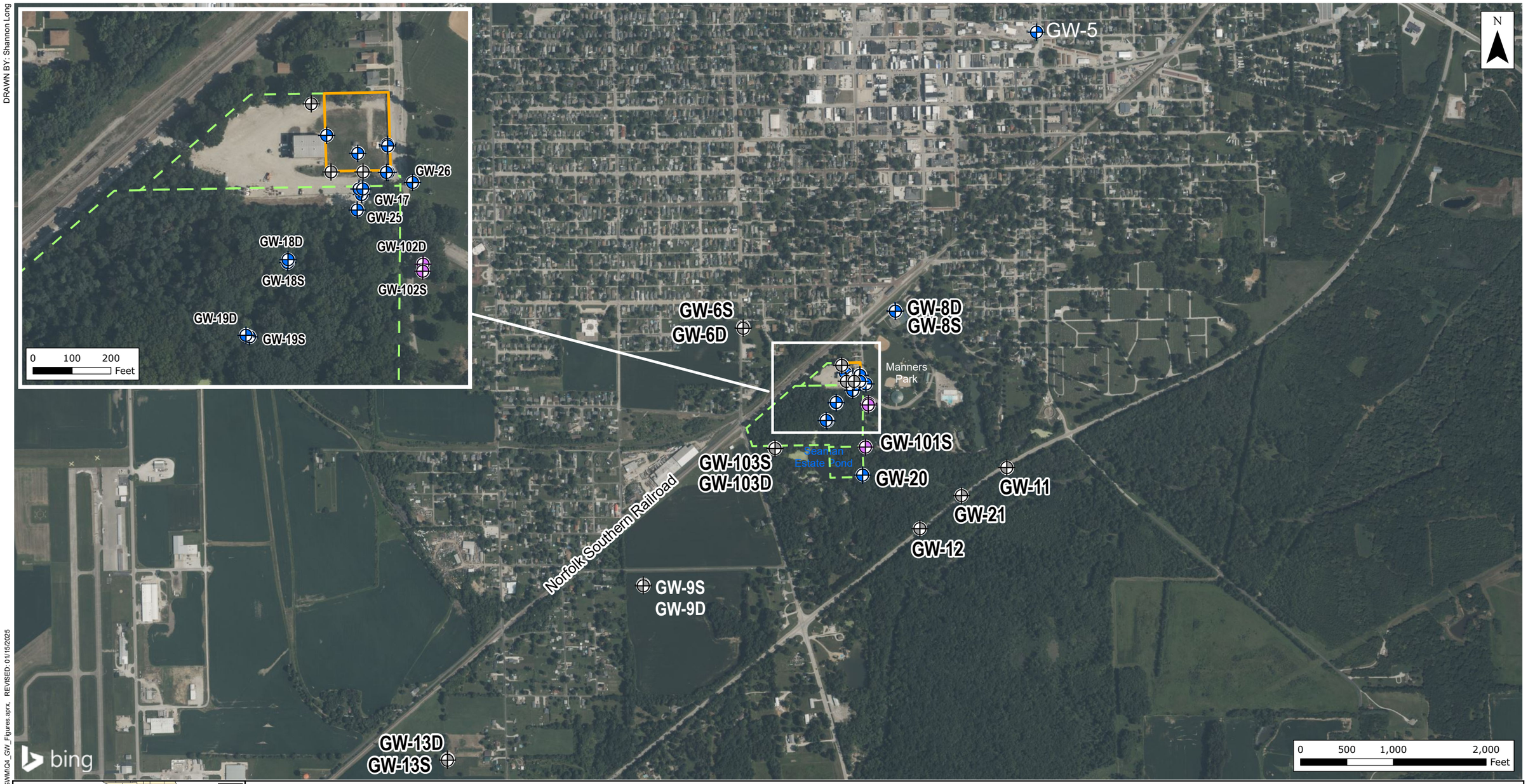
DRAWN BY: Shannon Long



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. Aerial Imagery: Bing Maps

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

Environmental Resources Management
www.erm.com

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

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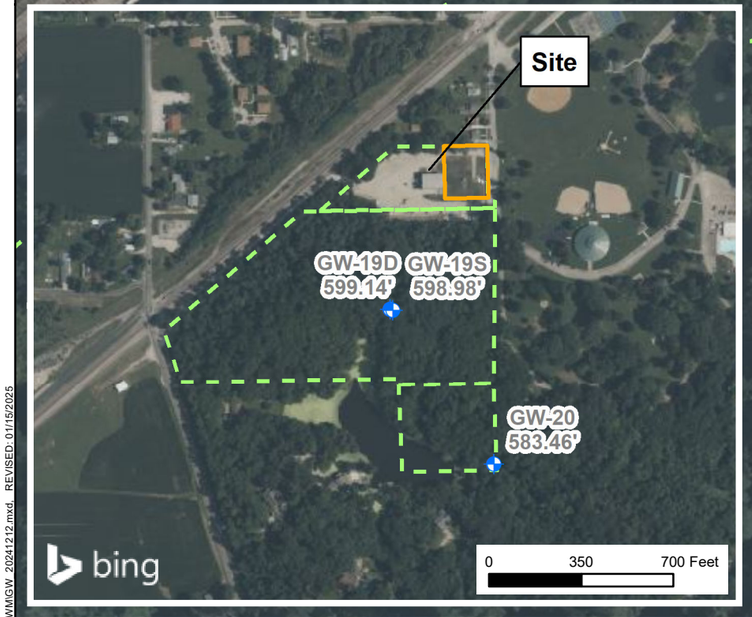
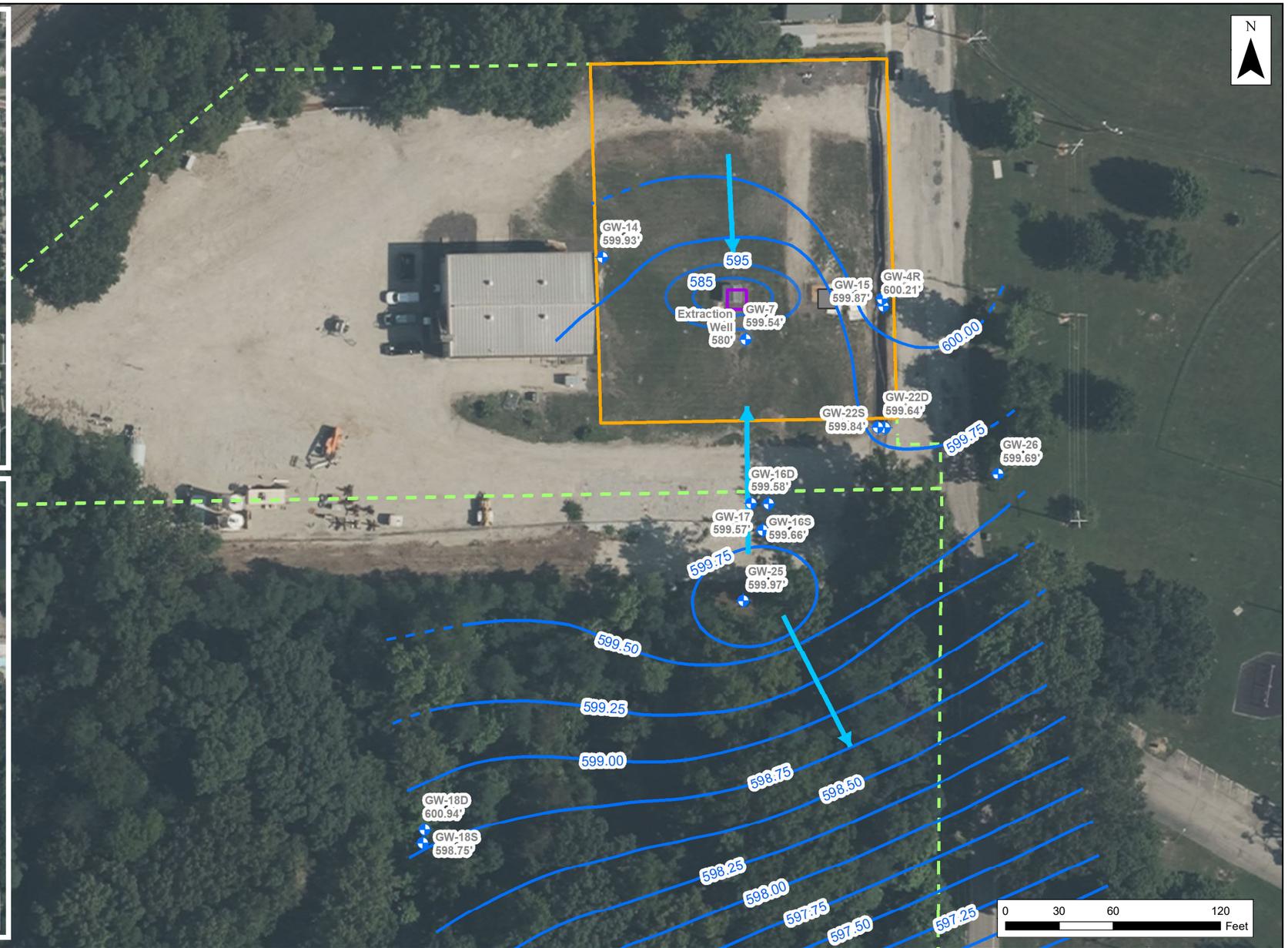
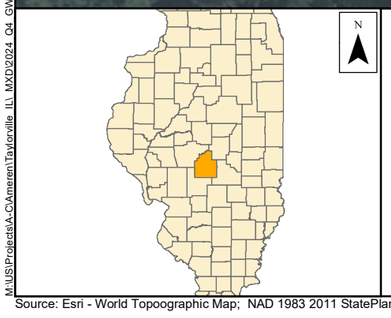
DRAWN BY: S. Long







Legend

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

NOTES:
1. GW-15, GW-18D, GW-19D and GW-22D were not used for contouring.
2. Groundwater elevation for West Extraction Well was measured at 580 ft. on November 19, 2024.
3. Depths to groundwater were measured November 19, 2024.
3. Aerial Imagery: Bing Maps

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

Environmental Resources Management
www.erm.com

ERM

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

ATTACHMENT A ANALYTICAL LAB REPORT

December 19, 2024

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 4th Qtr 2024 **WorkOrder:** 24112076

Dear Michael Abegg:

TEKLAB, INC received 22 samples on 11/22/2024 4:40:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

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

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

This reporting package includes the following:

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: ERM
Work Order: 24112076
Client Project: Ameren Taylorville 4th Qtr 2024
Report Date: 19-Dec-24

Cooler Receipt Temp: 2.7 °C

This report was revised on December 19, 2024 per Michael Abegg's request for re-analysis of EQB-002-WQ-20241122 PAHs. The reason for the revision is to include the results of the re-analysis in place of the original data. Please replace report dated December 4, 2024 with this report. EAH 12/19/24

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
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Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
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Collinsville Air

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

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Address 1319 Butterfield Rd.
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Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-001 **Client Sample ID:** GW-04R-WG-20241122

Matrix: GROUNDWATER **Collection Date:** 11/22/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000700	0.00100		**0.0341**	mg/L	10	12/03/2024 14:25	231775
Acenaphthylene	NELAP	).000500	0.00100		**0.0133**	mg/L	10	12/03/2024 14:25	231775
Anthracene	NELAP	0.00200	0.00300		**0.0135**	mg/L	10	12/03/2024 14:25	231775
Benzo(a)anthracene	NELAP	).000700	0.00100		**0.0122**	mg/L	10	12/03/2024 14:25	231775
Benzo(a)pyrene	NELAP	).000110	0.000200		**0.00177**	mg/L	1	12/03/2024 13:07	231775
Benzo(b)fluoranthene	NELAP	0.00130	0.00200		**0.0172**	mg/L	10	12/03/2024 14:25	231775
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**0.00406**	mg/L	1	12/03/2024 13:07	231775
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**0.00464**	mg/L	1	12/03/2024 13:07	231775
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	12/03/2024 13:07	231775
Chrysene	NELAP	0.00120	0.00200		**0.0232**	mg/L	10	12/03/2024 14:25	231775
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**0.00222**	mg/L	1	12/03/2024 13:07	231775
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	12/03/2024 13:07	231775
Fluoranthene	NELAP	0.0270	0.0300		**0.0430**	mg/L	100	12/03/2024 15:43	231775
Fluorene	NELAP	0.0170	0.0200		**0.0927**	mg/L	100	12/03/2024 15:43	231775
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**0.00449**	mg/L	1	12/03/2024 13:07	231775
m,p-Cresol	NELAP	0.00059	0.010	J	**0.0029**	mg/L	1	12/03/2024 13:07	231775
Naphthalene	NELAP	0.160	0.400		**0.809**	mg/L	1000	12/04/2024 11:18	231775
o-Cresol	NELAP	0.00054	0.010	J	**0.0026**	mg/L	1	12/03/2024 13:07	231775
Phenanthrene	NELAP	0.0530	0.0600		**0.145**	mg/L	100	12/03/2024 15:43	231775
Pyrene	NELAP	0.00180	0.00200		**0.0366**	mg/L	10	12/03/2024 14:25	231775
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**128.8**	%REC	1	12/03/2024 13:07	231775
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**74.3**	%REC	10	12/03/2024 14:25	231775
Surr: 2-Fluorophenol	*	0	30-130		**105.1**	%REC	1	12/03/2024 13:07	231775
Surr: Nitrobenzene-d5	*	0	40.7-126		**86.4**	%REC	10	12/03/2024 14:25	231775
Surr: Phenol-d5	*	0	20.5-122		**60.5**	%REC	1	12/03/2024 13:07	231775
Surr: p-Terphenyl-d14	*	0	44-147		**108.9**	%REC	1	12/03/2024 13:07	231775
The surrogate 2-Fluorobiphenyl in the LCS was outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.50	5.00		**1030**	µg/L	10	11/25/2024 13:29	231669
Bromoform	NELAP	0.90	2.00		**ND**	µg/L	10	11/25/2024 13:29	231669
Ethylbenzene	NELAP	1.00	10.0		**306**	µg/L	10	11/25/2024 13:29	231669
m,p-Xylenes	NELAP	2.20	10.0		**79.3**	µg/L	10	11/25/2024 13:29	231669
Methylene chloride	NELAP	8.70	20.0		**ND**	µg/L	10	11/25/2024 13:29	231669
Naphthalene	NELAP	5.70	20.0		**1120**	µg/L	10	11/25/2024 13:29	231669
o-Xylene	NELAP	0.50	10.0		**188**	µg/L	10	11/25/2024 13:29	231669
Toluene	NELAP	1.00	20.0		**171**	µg/L	10	11/25/2024 13:29	231669
trans-1,2-Dichloroethene	NELAP	1.00	20.0		**ND**	µg/L	10	11/25/2024 13:29	231669
Xylenes, Total	NELAP	2.80	20.0		**267**	µg/L	10	11/25/2024 13:29	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**93.2**	%REC	10	11/25/2024 13:29	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**91.5**	%REC	10	11/25/2024 13:29	231669
Surr: Dibromofluoromethane	*	0	80-120		**103.5**	%REC	10	11/25/2024 13:29	231669
Surr: Toluene-d8	*	0	80-120		**98.0**	%REC	10	11/25/2024 13:29	231669
Elevated reporting limit due to high levels of target and/or non-target analytes.									

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-002 **Client Sample ID:** GW-05-WG-20241120

Matrix: GROUNDWATER **Collection Date:** 11/20/2024 10:15

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	11/26/2024 12:22	231680
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	11/26/2024 12:22	231680
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	11/26/2024 12:22	231680
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 12:22	231680
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	11/26/2024 12:22	231680
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	11/26/2024 12:22	231680
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 12:22	231680
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 12:22	231680
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	11/26/2024 12:22	231680
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 12:22	231680
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 12:22	231680
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	11/26/2024 12:22	231680
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	11/26/2024 12:22	231680
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	11/26/2024 12:22	231680
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	11/26/2024 12:22	231680
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	11/26/2024 12:22	231680
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	11/26/2024 12:22	231680
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	11/26/2024 12:22	231680
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	11/26/2024 12:22	231680
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	11/26/2024 12:22	231680
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**73.0**	%REC	1	11/26/2024 12:22	231680
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**61.8**	%REC	1	11/26/2024 12:22	231680
Surr: 2-Fluorophenol	*	0	30-130		**63.3**	%REC	1	11/26/2024 12:22	231680
Surr: Nitrobenzene-d5	*	0	40.7-126		**64.3**	%REC	1	11/26/2024 12:22	231680
Surr: Phenol-d5	*	0	20.5-122		**51.3**	%REC	1	11/26/2024 12:22	231680
Surr: p-Terphenyl-d14	*	0	44-147		**75.2**	%REC	1	11/26/2024 12:22	231680
Surrogate recoveries in the MBLK and LCS were outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 13:53	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 13:53	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 13:53	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 13:53	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 13:53	231669
Naphthalene	NELAP	0.57	2.00		**4.04**	µg/L	1	11/25/2024 13:53	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 13:53	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 13:53	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 13:53	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 13:53	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**90.4**	%REC	1	11/25/2024 13:53	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**92.9**	%REC	1	11/25/2024 13:53	231669
Surr: Dibromofluoromethane	*	0	80-120		**101.9**	%REC	1	11/25/2024 13:53	231669
Surr: Toluene-d8	*	0	80-120		**100.2**	%REC	1	11/25/2024 13:53	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-003 **Client Sample ID:** GW-07-WG-20241121

Matrix: GROUNDWATER **Collection Date:** 11/21/2024 14:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.000070	0.000100		**0.000233**	mg/L	1	12/02/2024 13:01	231775
Acenaphthylene	NELAP	0.000050	0.000100		**0.000177**	mg/L	1	12/02/2024 13:01	231775
Anthracene	NELAP	0.000200	0.000300		**0.00187**	mg/L	1	12/02/2024 13:01	231775
Benzo(a)anthracene	NELAP	0.000070	0.000100		**0.000229**	mg/L	1	12/02/2024 13:01	231775
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	12/02/2024 13:01	231775
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	12/02/2024 13:01	231775
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	12/02/2024 13:01	231775
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	12/02/2024 13:01	231775
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00352**	mg/L	1	12/02/2024 13:01	231775
Chrysene	NELAP	0.000120	0.000200		**0.000242**	mg/L	1	12/02/2024 13:01	231775
Dibenzo(a,h)anthracene	NELAP	0.000120	0.000200		**ND**	mg/L	1	12/02/2024 13:01	231775
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	12/02/2024 13:01	231775
Fluoranthene	NELAP	0.000270	0.000300		**0.00125**	mg/L	1	12/02/2024 13:01	231775
Fluorene	NELAP	0.000170	0.000200		**0.000648**	mg/L	1	12/02/2024 13:01	231775
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	12/02/2024 13:01	231775
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	12/02/2024 13:01	231775
Naphthalene	NELAP	0.000160	0.000400		**0.00496**	mg/L	1	12/02/2024 13:01	231775
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	12/02/2024 13:01	231775
Phenanthrene	NELAP	0.00053	0.00060	J	**0.00059**	mg/L	1	12/02/2024 13:01	231775
Pyrene	NELAP	0.000180	0.000200		**0.00302**	mg/L	1	12/02/2024 13:01	231775
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**95.3**	%REC	1	12/02/2024 13:01	231775
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**64.4**	%REC	1	12/02/2024 13:01	231775
Surr: 2-Fluorophenol	*	0	30-130		**75.1**	%REC	1	12/02/2024 13:01	231775
Surr: Nitrobenzene-d5	*	0	40.7-126		**72.9**	%REC	1	12/02/2024 13:01	231775
Surr: Phenol-d5	*	0	20.5-122		**55.3**	%REC	1	12/02/2024 13:01	231775
Surr: p-Terphenyl-d14	*	0	44-147		**87.3**	%REC	1	12/02/2024 13:01	231775
The surrogate 2-Fluorobiphenyl in the LCS was outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 14:17	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 14:17	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 14:17	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 14:17	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 14:17	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 14:17	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 14:17	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 14:17	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 14:17	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 14:17	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.3**	%REC	1	11/25/2024 14:17	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**92.9**	%REC	1	11/25/2024 14:17	231669
Surr: Dibromofluoromethane	*	0	80-120		**110.1**	%REC	1	11/25/2024 14:17	231669
Surr: Toluene-d8	*	0	80-120		**97.7**	%REC	1	11/25/2024 14:17	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-004 **Client Sample ID:** GW-14-WG-20241121

Matrix: GROUNDWATER **Collection Date:** 11/21/2024 12:20

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	12/02/2024 13:40	231775
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	12/02/2024 13:40	231775
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	12/02/2024 13:40	231775
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	12/02/2024 13:40	231775
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	12/02/2024 13:40	231775
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	12/02/2024 13:40	231775
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 13:40	231775
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 13:40	231775
Bis(2-ethylhexyl)phthalate	NELAP	0.00286	0.00400		**0.00531**	mg/L	2	12/03/2024 12:28	231775
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 13:40	231775
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 13:40	231775
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	12/02/2024 13:40	231775
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	12/02/2024 13:40	231775
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	12/02/2024 13:40	231775
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	12/02/2024 13:40	231775
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	12/02/2024 13:40	231775
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	12/02/2024 13:40	231775
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	12/02/2024 13:40	231775
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	12/02/2024 13:40	231775
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	12/02/2024 13:40	231775
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**95.5**	%REC	1	12/02/2024 13:40	231775
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**81.8**	%REC	1	12/02/2024 13:40	231775
Surr: 2-Fluorophenol	*	0	30-130		**88.1**	%REC	1	12/02/2024 13:40	231775
Surr: Nitrobenzene-d5	*	0	40.7-126		**87.9**	%REC	1	12/02/2024 13:40	231775
Surr: Phenol-d5	*	0	20.5-122		**68.5**	%REC	1	12/02/2024 13:40	231775
Surr: p-Terphenyl-d14	*	0	44-147		**102.3**	%REC	1	12/02/2024 13:40	231775
The surrogate 2-Fluorobiphenyl in the LCS was outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 14:42	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 14:42	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 14:42	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 14:42	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 14:42	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 14:42	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 14:42	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 14:42	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 14:42	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 14:42	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**90.3**	%REC	1	11/25/2024 14:42	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**92.6**	%REC	1	11/25/2024 14:42	231669
Surr: Dibromofluoromethane	*	0	80-120		**102.9**	%REC	1	11/25/2024 14:42	231669
Surr: Toluene-d8	*	0	80-120		**94.5**	%REC	1	11/25/2024 14:42	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-005 **Client Sample ID:** GW-15-WG-20241122

Matrix: GROUNDWATER **Collection Date:** 11/22/2024 9:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.000070	0.000100		**ND**	mg/L	1	12/02/2024 14:19	231775
Acenaphthylene	NELAP	0.000050	0.000100		**ND**	mg/L	1	12/02/2024 14:19	231775
Anthracene	NELAP	0.000200	0.000300		**ND**	mg/L	1	12/02/2024 14:19	231775
Benzo(a)anthracene	NELAP	0.000070	0.000100		**ND**	mg/L	1	12/02/2024 14:19	231775
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	12/02/2024 14:19	231775
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	12/02/2024 14:19	231775
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	12/02/2024 14:19	231775
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	12/02/2024 14:19	231775
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	12/02/2024 14:19	231775
Chrysene	NELAP	0.000120	0.000200		**ND**	mg/L	1	12/02/2024 14:19	231775
Dibenzo(a,h)anthracene	NELAP	0.000120	0.000200		**ND**	mg/L	1	12/02/2024 14:19	231775
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	12/02/2024 14:19	231775
Fluoranthene	NELAP	0.000270	0.000300		**ND**	mg/L	1	12/02/2024 14:19	231775
Fluorene	NELAP	0.000170	0.000200		**ND**	mg/L	1	12/02/2024 14:19	231775
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	12/02/2024 14:19	231775
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	12/02/2024 14:19	231775
Naphthalene	NELAP	0.000160	0.000400		**ND**	mg/L	1	12/02/2024 14:19	231775
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	12/02/2024 14:19	231775
Phenanthrene	NELAP	0.000530	0.000600		**ND**	mg/L	1	12/02/2024 14:19	231775
Pyrene	NELAP	0.000180	0.000200		**ND**	mg/L	1	12/02/2024 14:19	231775
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**92.2**	%REC	1	12/02/2024 14:19	231775
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**74.6**	%REC	1	12/02/2024 14:19	231775
Surr: 2-Fluorophenol	*	0	30-130		**83.6**	%REC	1	12/02/2024 14:19	231775
Surr: Nitrobenzene-d5	*	0	40.7-126		**81.1**	%REC	1	12/02/2024 14:19	231775
Surr: Phenol-d5	*	0	20.5-122		**62.4**	%REC	1	12/02/2024 14:19	231775
Surr: p-Terphenyl-d14	*	0	44-147		**100.7**	%REC	1	12/02/2024 14:19	231775
The surrogate 2-Fluorobiphenyl in the LCS was outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 15:06	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 15:06	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 15:06	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 15:06	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 15:06	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 15:06	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 15:06	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 15:06	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 15:06	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 15:06	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**94.8**	%REC	1	11/25/2024 15:06	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**87.6**	%REC	1	11/25/2024 15:06	231669
Surr: Dibromofluoromethane	*	0	80-120		**112.3**	%REC	1	11/25/2024 15:06	231669
Surr: Toluene-d8	*	0	80-120		**96.7**	%REC	1	11/25/2024 15:06	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-006 **Client Sample ID:** GW-16S-WG-20241120

Matrix: GROUNDWATER **Collection Date:** 11/20/2024 9:10

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	11/26/2024 13:03	231680
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	11/26/2024 13:03	231680
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	11/26/2024 13:03	231680
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 13:03	231680
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	11/26/2024 13:03	231680
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	11/26/2024 13:03	231680
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 13:03	231680
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 13:03	231680
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	11/26/2024 13:03	231680
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 13:03	231680
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 13:03	231680
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	11/26/2024 13:03	231680
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	11/26/2024 13:03	231680
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	11/26/2024 13:03	231680
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	11/26/2024 13:03	231680
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	11/26/2024 13:03	231680
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	11/26/2024 13:03	231680
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	11/26/2024 13:03	231680
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	11/26/2024 13:03	231680
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	11/26/2024 13:03	231680
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**85.2**	%REC	1	11/26/2024 13:03	231680
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**63.0**	%REC	1	11/26/2024 13:03	231680
Surr: 2-Fluorophenol	*	0	30-130		**68.6**	%REC	1	11/26/2024 13:03	231680
Surr: Nitrobenzene-d5	*	0	40.7-126		**71.8**	%REC	1	11/26/2024 13:03	231680
Surr: Phenol-d5	*	0	20.5-122		**55.8**	%REC	1	11/26/2024 13:03	231680
Surr: p-Terphenyl-d14	*	0	44-147		**83.6**	%REC	1	11/26/2024 13:03	231680
Surrogate recoveries in the MBLK and LCS were outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 15:30	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 15:30	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 15:30	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 15:30	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 15:30	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 15:30	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 15:30	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 15:30	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 15:30	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 15:30	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**91.7**	%REC	1	11/25/2024 15:30	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**92.5**	%REC	1	11/25/2024 15:30	231669
Surr: Dibromofluoromethane	*	0	80-120		**103.3**	%REC	1	11/25/2024 15:30	231669
Surr: Toluene-d8	*	0	80-120		**95.8**	%REC	1	11/25/2024 15:30	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-007 **Client Sample ID:** GW-16D-WG-20241120

Matrix: GROUNDWATER **Collection Date:** 11/20/2024 12:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 13:44	231680
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	11/26/2024 13:44	231680
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	11/26/2024 13:44	231680
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 13:44	231680
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	11/26/2024 13:44	231680
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	11/26/2024 13:44	231680
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 13:44	231680
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 13:44	231680
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00201**	mg/L	1	11/26/2024 13:44	231680
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 13:44	231680
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 13:44	231680
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	11/26/2024 13:44	231680
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	11/26/2024 13:44	231680
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	11/26/2024 13:44	231680
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	11/26/2024 13:44	231680
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	11/26/2024 13:44	231680
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	11/26/2024 13:44	231680
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	11/26/2024 13:44	231680
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	11/26/2024 13:44	231680
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	11/26/2024 13:44	231680
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**86.7**	%REC	1	11/26/2024 13:44	231680
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**61.3**	%REC	1	11/26/2024 13:44	231680
Surr: 2-Fluorophenol	*	0	30-130		**68.5**	%REC	1	11/26/2024 13:44	231680
Surr: Nitrobenzene-d5	*	0	40.7-126		**69.8**	%REC	1	11/26/2024 13:44	231680
Surr: Phenol-d5	*	0	20.5-122		**56.9**	%REC	1	11/26/2024 13:44	231680
Surr: p-Terphenyl-d14	*	0	44-147		**79.1**	%REC	1	11/26/2024 13:44	231680
Surrogate recoveries in the MBLK and LCS were outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50	J	**0.41**	µg/L	1	11/25/2024 15:54	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 15:54	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 15:54	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 15:54	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 15:54	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 15:54	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 15:54	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 15:54	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 15:54	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 15:54	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**92.8**	%REC	1	11/25/2024 15:54	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**92.5**	%REC	1	11/25/2024 15:54	231669
Surr: Dibromofluoromethane	*	0	80-120		**102.2**	%REC	1	11/25/2024 15:54	231669
Surr: Toluene-d8	*	0	80-120		**91.6**	%REC	1	11/25/2024 15:54	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-008 **Client Sample ID:** GW-17-WG-20241120

Matrix: GROUNDWATER **Collection Date:** 11/20/2024 13:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 14:25	231680
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	11/26/2024 14:25	231680
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	11/26/2024 14:25	231680
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 14:25	231680
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	11/26/2024 14:25	231680
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	11/26/2024 14:25	231680
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 14:25	231680
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 14:25	231680
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	11/26/2024 14:25	231680
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 14:25	231680
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 14:25	231680
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	11/26/2024 14:25	231680
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	11/26/2024 14:25	231680
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	11/26/2024 14:25	231680
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	11/26/2024 14:25	231680
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	11/26/2024 14:25	231680
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	11/26/2024 14:25	231680
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	11/26/2024 14:25	231680
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	11/26/2024 14:25	231680
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	11/26/2024 14:25	231680
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**85.5**	%REC	1	11/26/2024 14:25	231680
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**77.0**	%REC	1	11/26/2024 14:25	231680
Surr: 2-Fluorophenol	*	0	30-130		**70.5**	%REC	1	11/26/2024 14:25	231680
Surr: Nitrobenzene-d5	*	0	40.7-126		**73.9**	%REC	1	11/26/2024 14:25	231680
Surr: Phenol-d5	*	0	20.5-122		**57.2**	%REC	1	11/26/2024 14:25	231680
Surr: p-Terphenyl-d14	*	0	44-147		**87.7**	%REC	1	11/26/2024 14:25	231680
Surrogate recoveries in the MBLK and LCS were outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 16:18	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 16:18	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 16:18	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 16:18	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 16:18	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 16:18	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 16:18	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 16:18	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 16:18	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 16:18	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**92.4**	%REC	1	11/25/2024 16:18	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**92.1**	%REC	1	11/25/2024 16:18	231669
Surr: Dibromofluoromethane	*	0	80-120		**103.6**	%REC	1	11/25/2024 16:18	231669
Surr: Toluene-d8	*	0	80-120		**98.4**	%REC	1	11/25/2024 16:18	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-009 **Client Sample ID:** GW-18S-WG-20241120

Matrix: GROUNDWATER **Collection Date:** 11/20/2024 14:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 15:17	231680
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	11/26/2024 15:17	231680
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	11/26/2024 15:17	231680
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 15:17	231680
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	11/26/2024 15:17	231680
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	11/26/2024 15:17	231680
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 15:17	231680
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 15:17	231680
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00260**	mg/L	1	11/26/2024 15:17	231680
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 15:17	231680
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 15:17	231680
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	11/26/2024 15:17	231680
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	11/26/2024 15:17	231680
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	11/26/2024 15:17	231680
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	11/26/2024 15:17	231680
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	11/26/2024 15:17	231680
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	11/26/2024 15:17	231680
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	11/26/2024 15:17	231680
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	11/26/2024 15:17	231680
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	11/26/2024 15:17	231680
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**81.0**	%REC	1	11/26/2024 15:17	231680
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**62.9**	%REC	1	11/26/2024 15:17	231680
Surr: 2-Fluorophenol	*	0	30-130		**67.2**	%REC	1	11/26/2024 15:17	231680
Surr: Nitrobenzene-d5	*	0	40.7-126		**66.3**	%REC	1	11/26/2024 15:17	231680
Surr: Phenol-d5	*	0	20.5-122		**52.3**	%REC	1	11/26/2024 15:17	231680
Surr: p-Terphenyl-d14	*	0	44-147		**76.2**	%REC	1	11/26/2024 15:17	231680
Surrogate recoveries in the MBLK and LCS were outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 16:43	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 16:43	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 16:43	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 16:43	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 16:43	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 16:43	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 16:43	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 16:43	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 16:43	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 16:43	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**91.3**	%REC	1	11/25/2024 16:43	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**91.9**	%REC	1	11/25/2024 16:43	231669
Surr: Dibromofluoromethane	*	0	80-120		**103.6**	%REC	1	11/25/2024 16:43	231669
Surr: Toluene-d8	*	0	80-120		**97.5**	%REC	1	11/25/2024 16:43	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-010 **Client Sample ID:** GW-18D-WG-20241120

Matrix: GROUNDWATER **Collection Date:** 11/20/2024 15:35

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	11/26/2024 15:56	231680
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	11/26/2024 15:56	231680
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	11/26/2024 15:56	231680
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 15:56	231680
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	11/26/2024 15:56	231680
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	11/26/2024 15:56	231680
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 15:56	231680
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 15:56	231680
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00383**	mg/L	1	11/26/2024 15:56	231680
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 15:56	231680
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 15:56	231680
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	11/26/2024 15:56	231680
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	11/26/2024 15:56	231680
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	11/26/2024 15:56	231680
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	11/26/2024 15:56	231680
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	11/26/2024 15:56	231680
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	11/26/2024 15:56	231680
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	11/26/2024 15:56	231680
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	11/26/2024 15:56	231680
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	11/26/2024 15:56	231680
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**82.6**	%REC	1	11/26/2024 15:56	231680
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**77.7**	%REC	1	11/26/2024 15:56	231680
Surr: 2-Fluorophenol	*	0	30-130		**71.4**	%REC	1	11/26/2024 15:56	231680
Surr: Nitrobenzene-d5	*	0	40.7-126		**72.8**	%REC	1	11/26/2024 15:56	231680
Surr: Phenol-d5	*	0	20.5-122		**55.8**	%REC	1	11/26/2024 15:56	231680
Surr: p-Terphenyl-d14	*	0	44-147		**86.0**	%REC	1	11/26/2024 15:56	231680
Surrogate recoveries in the MBLK and LCS were outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50	J	**0.10**	µg/L	1	11/25/2024 17:07	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 17:07	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 17:07	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 17:07	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 17:07	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 17:07	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 17:07	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 17:07	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.0	J	**0.36**	µg/L	1	11/25/2024 17:07	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 17:07	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**92.2**	%REC	1	11/25/2024 17:07	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**92.0**	%REC	1	11/25/2024 17:07	231669
Surr: Dibromofluoromethane	*	0	80-120		**108.9**	%REC	1	11/25/2024 17:07	231669
Surr: Toluene-d8	*	0	80-120		**96.6**	%REC	1	11/25/2024 17:07	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-011 **Client Sample ID:** GW-19S-WG-20241119

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 15:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 17:13	231680
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	11/26/2024 17:13	231680
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	11/26/2024 17:13	231680
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 17:13	231680
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	11/26/2024 17:13	231680
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	11/26/2024 17:13	231680
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 17:13	231680
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 17:13	231680
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	11/26/2024 17:13	231680
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 17:13	231680
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 17:13	231680
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	11/26/2024 17:13	231680
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	11/26/2024 17:13	231680
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	11/26/2024 17:13	231680
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	11/26/2024 17:13	231680
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	11/26/2024 17:13	231680
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	11/26/2024 17:13	231680
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	11/26/2024 17:13	231680
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	11/26/2024 17:13	231680
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	11/26/2024 17:13	231680
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**84.2**	%REC	1	11/26/2024 17:13	231680
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**70.4**	%REC	1	11/26/2024 17:13	231680
Surr: 2-Fluorophenol	*	0	30-130		**73.9**	%REC	1	11/26/2024 17:13	231680
Surr: Nitrobenzene-d5	*	0	40.7-126		**72.4**	%REC	1	11/26/2024 17:13	231680
Surr: Phenol-d5	*	0	20.5-122		**60.1**	%REC	1	11/26/2024 17:13	231680
Surr: p-Terphenyl-d14	*	0	44-147		**87.4**	%REC	1	11/26/2024 17:13	231680
Surrogate recoveries in the MBLK and LCS were outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 17:32	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 17:32	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 17:32	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 17:32	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 17:32	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 17:32	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 17:32	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 17:32	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 17:32	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 17:32	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**91.4**	%REC	1	11/25/2024 17:32	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**92.2**	%REC	1	11/25/2024 17:32	231669
Surr: Dibromofluoromethane	*	0	80-120		**103.2**	%REC	1	11/25/2024 17:32	231669
Surr: Toluene-d8	*	0	80-120		**97.3**	%REC	1	11/25/2024 17:32	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-012 **Client Sample ID:** GW-19D-WG-20241119

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 14:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 17:52	231680
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	11/26/2024 17:52	231680
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	11/26/2024 17:52	231680
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 17:52	231680
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	11/26/2024 17:52	231680
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	11/26/2024 17:52	231680
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 17:52	231680
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 17:52	231680
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	11/26/2024 17:52	231680
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 17:52	231680
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 17:52	231680
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	11/26/2024 17:52	231680
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	11/26/2024 17:52	231680
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	11/26/2024 17:52	231680
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	11/26/2024 17:52	231680
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	11/26/2024 17:52	231680
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	11/26/2024 17:52	231680
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	11/26/2024 17:52	231680
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	11/26/2024 17:52	231680
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	11/26/2024 17:52	231680
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**88.5**	%REC	1	11/26/2024 17:52	231680
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**77.6**	%REC	1	11/26/2024 17:52	231680
Surr: 2-Fluorophenol	*	0	30-130		**72.6**	%REC	1	11/26/2024 17:52	231680
Surr: Nitrobenzene-d5	*	0	40.7-126		**74.1**	%REC	1	11/26/2024 17:52	231680
Surr: Phenol-d5	*	0	20.5-122		**56.9**	%REC	1	11/26/2024 17:52	231680
Surr: p-Terphenyl-d14	*	0	44-147		**89.4**	%REC	1	11/26/2024 17:52	231680
Surrogate recoveries in the MBLK and LCS were outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 17:56	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 17:56	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 17:56	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 17:56	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 17:56	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 17:56	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 17:56	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 17:56	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 17:56	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 17:56	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**95.8**	%REC	1	11/25/2024 17:56	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**92.0**	%REC	1	11/25/2024 17:56	231669
Surr: Dibromofluoromethane	*	0	80-120		**107.2**	%REC	1	11/25/2024 17:56	231669
Surr: Toluene-d8	*	0	80-120		**97.8**	%REC	1	11/25/2024 17:56	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-013 **Client Sample ID:** GW-20-WG-20241119

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 12:30

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	11/26/2024 18:31	231680
Acenaphthylene	NELAP	).000050	0.000100		**0.000192**	mg/L	1	11/26/2024 18:31	231680
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	11/26/2024 18:31	231680
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000205**	mg/L	1	11/26/2024 18:31	231680
Benzo(a)pyrene	NELAP	).000110	0.000200		**0.000535**	mg/L	1	11/26/2024 18:31	231680
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**0.000710**	mg/L	1	11/26/2024 18:31	231680
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**0.000832**	mg/L	1	11/26/2024 18:31	231680
Benzo(k)fluoranthene	NELAP	0.00012	0.00020	J	**0.00018**	mg/L	1	11/26/2024 18:31	231680
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	11/26/2024 18:31	231680
Chrysene	NELAP	).000120	0.000200		**0.000247**	mg/L	1	11/26/2024 18:31	231680
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 18:31	231680
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	11/26/2024 18:31	231680
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	11/26/2024 18:31	231680
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	11/26/2024 18:31	231680
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**0.000492**	mg/L	1	11/26/2024 18:31	231680
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	11/26/2024 18:31	231680
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	11/26/2024 18:31	231680
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	11/26/2024 18:31	231680
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	11/26/2024 18:31	231680
Pyrene	NELAP	).000180	0.000200		**0.000422**	mg/L	1	11/26/2024 18:31	231680
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**87.8**	%REC	1	11/26/2024 18:31	231680
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**64.1**	%REC	1	11/26/2024 18:31	231680
Surr: 2-Fluorophenol	*	0	30-130		**61.6**	%REC	1	11/26/2024 18:31	231680
Surr: Nitrobenzene-d5	*	0	40.7-126		**65.6**	%REC	1	11/26/2024 18:31	231680
Surr: Phenol-d5	*	0	20.5-122		**46.8**	%REC	1	11/26/2024 18:31	231680
Surr: p-Terphenyl-d14	*	0	44-147		**76.1**	%REC	1	11/26/2024 18:31	231680
Surrogate recoveries in the MBLK and LCS were outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 18:20	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 18:20	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 18:20	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 18:20	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 18:20	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 18:20	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 18:20	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 18:20	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 18:20	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 18:20	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**92.8**	%REC	1	11/25/2024 18:20	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**91.5**	%REC	1	11/25/2024 18:20	231669
Surr: Dibromofluoromethane	*	0	80-120		**104.1**	%REC	1	11/25/2024 18:20	231669
Surr: Toluene-d8	*	0	80-120		**90.7**	%REC	1	11/25/2024 18:20	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-014 **Client Sample ID:** GW-22S-WG-20241121

Matrix: GROUNDWATER **Collection Date:** 11/21/2024 15:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	12/02/2024 14:58	231775
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	12/02/2024 14:58	231775
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	12/02/2024 14:58	231775
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	12/02/2024 14:58	231775
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	12/02/2024 14:58	231775
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	12/02/2024 14:58	231775
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 14:58	231775
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 14:58	231775
Bis(2-ethylhexyl)phthalate	NELAP	0.0014	0.0020	J	**0.0018**	mg/L	1	12/02/2024 14:58	231775
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 14:58	231775
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 14:58	231775
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	12/02/2024 14:58	231775
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	12/02/2024 14:58	231775
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	12/02/2024 14:58	231775
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	12/02/2024 14:58	231775
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	12/02/2024 14:58	231775
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	12/02/2024 14:58	231775
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	12/02/2024 14:58	231775
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	12/02/2024 14:58	231775
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	12/02/2024 14:58	231775
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**112.4**	%REC	1	12/02/2024 14:58	231775
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**86.7**	%REC	1	12/02/2024 14:58	231775
Surr: 2-Fluorophenol	*	0	30-130		**93.7**	%REC	1	12/02/2024 14:58	231775
Surr: Nitrobenzene-d5	*	0	40.7-126		**90.9**	%REC	1	12/02/2024 14:58	231775
Surr: Phenol-d5	*	0	20.5-122		**81.7**	%REC	1	12/02/2024 14:58	231775
Surr: p-Terphenyl-d14	*	0	44-147		**109.7**	%REC	1	12/02/2024 14:58	231775
The surrogate 2-Fluorobiphenyl in the LCS was outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**3.23**	µg/L	1	11/25/2024 18:44	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 18:44	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 18:44	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 18:44	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 18:44	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 18:44	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 18:44	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 18:44	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 18:44	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 18:44	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**90.4**	%REC	1	11/25/2024 18:44	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**87.4**	%REC	1	11/25/2024 18:44	231669
Surr: Dibromofluoromethane	*	0	80-120		**103.4**	%REC	1	11/25/2024 18:44	231669
Surr: Toluene-d8	*	0	80-120		**96.0**	%REC	1	11/25/2024 18:44	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-015 **Client Sample ID:** GW-22D-WG-20241121

Matrix: GROUNDWATER **Collection Date:** 11/21/2024 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	12/02/2024 15:38	231775
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	12/02/2024 15:38	231775
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	12/02/2024 15:38	231775
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	12/02/2024 15:38	231775
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	12/02/2024 15:38	231775
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	12/02/2024 15:38	231775
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 15:38	231775
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 15:38	231775
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	12/02/2024 15:38	231775
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 15:38	231775
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 15:38	231775
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	12/02/2024 15:38	231775
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	12/02/2024 15:38	231775
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	12/02/2024 15:38	231775
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	12/02/2024 15:38	231775
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	12/02/2024 15:38	231775
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	12/02/2024 15:38	231775
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	12/02/2024 15:38	231775
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	12/02/2024 15:38	231775
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	12/02/2024 15:38	231775
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**108.8**	%REC	1	12/02/2024 15:38	231775
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**92.2**	%REC	1	12/02/2024 15:38	231775
Surr: 2-Fluorophenol	*	0	30-130		**87.6**	%REC	1	12/02/2024 15:38	231775
Surr: Nitrobenzene-d5	*	0	40.7-126		**85.3**	%REC	1	12/02/2024 15:38	231775
Surr: Phenol-d5	*	0	20.5-122		**71.4**	%REC	1	12/02/2024 15:38	231775
Surr: p-Terphenyl-d14	*	0	44-147		**120.5**	%REC	1	12/02/2024 15:38	231775
The surrogate 2-Fluorobiphenyl in the LCS was outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 19:08	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 19:08	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 19:08	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 19:08	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 19:08	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 19:08	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 19:08	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 19:08	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 19:08	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 19:08	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**91.8**	%REC	1	11/25/2024 19:08	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**92.2**	%REC	1	11/25/2024 19:08	231669
Surr: Dibromofluoromethane	*	0	80-120		**102.8**	%REC	1	11/25/2024 19:08	231669
Surr: Toluene-d8	*	0	80-120		**100.6**	%REC	1	11/25/2024 19:08	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-016 **Client Sample ID:** DUP-001-WG-20241121

Matrix: GROUNDWATER **Collection Date:** 11/21/2024 0:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	12/02/2024 16:16	231775
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	12/02/2024 16:16	231775
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	12/02/2024 16:16	231775
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	12/02/2024 16:16	231775
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	12/02/2024 16:16	231775
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	12/02/2024 16:16	231775
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 16:16	231775
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 16:16	231775
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00279**	mg/L	1	12/02/2024 16:16	231775
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 16:16	231775
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 16:16	231775
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	12/02/2024 16:16	231775
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	12/02/2024 16:16	231775
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	12/02/2024 16:16	231775
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	12/02/2024 16:16	231775
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	12/02/2024 16:16	231775
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	12/02/2024 16:16	231775
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	12/02/2024 16:16	231775
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	12/02/2024 16:16	231775
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	12/02/2024 16:16	231775
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**96.7**	%REC	1	12/02/2024 16:16	231775
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**96.1**	%REC	1	12/02/2024 16:16	231775
Surr: 2-Fluorophenol	*	0	30-130		**92.5**	%REC	1	12/02/2024 16:16	231775
Surr: Nitrobenzene-d5	*	0	40.7-126		**88.7**	%REC	1	12/02/2024 16:16	231775
Surr: Phenol-d5	*	0	20.5-122		**65.3**	%REC	1	12/02/2024 16:16	231775
Surr: p-Terphenyl-d14	*	0	44-147		**103.4**	%REC	1	12/02/2024 16:16	231775
The surrogate 2-Fluorobiphenyl in the LCS was outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**3.07**	µg/L	1	11/25/2024 19:32	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 19:32	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 19:32	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 19:32	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 19:32	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 19:32	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 19:32	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 19:32	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 19:32	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 19:32	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**92.6**	%REC	1	11/25/2024 19:32	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**88.6**	%REC	1	11/25/2024 19:32	231669
Surr: Dibromofluoromethane	*	0	80-120		**108.6**	%REC	1	11/25/2024 19:32	231669
Surr: Toluene-d8	*	0	80-120		**97.3**	%REC	1	11/25/2024 19:32	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-017 **Client Sample ID:** TB-001-WQ-20241119

Matrix: TRIP BLANK **Collection Date:** 11/22/2024 16:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 19:56	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 19:56	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 19:56	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 19:56	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 19:56	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 19:56	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 19:56	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 19:56	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 19:56	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 19:56	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**90.9**	%REC	1	11/25/2024 19:56	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**93.6**	%REC	1	11/25/2024 19:56	231669
Surr: Dibromofluoromethane	*	0	80-120		**102.4**	%REC	1	11/25/2024 19:56	231669
Surr: Toluene-d8	*	0	80-120		**97.0**	%REC	1	11/25/2024 19:56	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-018 **Client Sample ID:** DUP-002-WG-20241122

Matrix: GROUNDWATER **Collection Date:** 11/22/2024 0:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000700	0.00100		**0.0323**	mg/L	10	12/03/2024 15:04	231775
Acenaphthylene	NELAP	).000500	0.00100		**0.0172**	mg/L	10	12/03/2024 15:04	231775
Anthracene	NELAP	0.00200	0.00300		**0.0158**	mg/L	10	12/03/2024 15:04	231775
Benzo(a)anthracene	NELAP	).000700	0.00100		**0.0157**	mg/L	10	12/03/2024 15:04	231775
Benzo(a)pyrene	NELAP	).000110	0.000200		**0.00230**	mg/L	1	12/03/2024 13:46	231775
Benzo(b)fluoranthene	NELAP	0.00130	0.00200		**0.0211**	mg/L	10	12/03/2024 15:04	231775
Benzo(g,h,i)perylene	NELAP	0.00120	0.00200		**0.00584**	mg/L	10	12/03/2024 15:04	231775
Benzo(k)fluoranthene	NELAP	0.00120	0.00200		**0.00720**	mg/L	10	12/03/2024 15:04	231775
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	12/03/2024 13:46	231775
Chrysene	NELAP	0.00120	0.00200		**0.0281**	mg/L	10	12/03/2024 15:04	231775
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**0.00289**	mg/L	1	12/03/2024 13:46	231775
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	12/03/2024 13:46	231775
Fluoranthene	NELAP	0.0270	0.0300		**0.0628**	mg/L	100	12/04/2024 14:09	231775
Fluorene	NELAP	0.0170	0.0200		**0.0992**	mg/L	100	12/04/2024 14:09	231775
Indeno(1,2,3-cd)pyrene	NELAP	0.00160	0.00200		**0.00598**	mg/L	10	12/03/2024 15:04	231775
m,p-Cresol	NELAP	0.00059	0.010	J	**0.0022**	mg/L	1	12/03/2024 13:46	231775
Naphthalene	NELAP	0.160	0.400		**0.876**	mg/L	1000	12/04/2024 14:48	231775
o-Cresol	NELAP	0.00054	0.010	J	**0.0020**	mg/L	1	12/03/2024 13:46	231775
Phenanthrene	NELAP	0.0530	0.0600		**0.214**	mg/L	100	12/04/2024 14:09	231775
Pyrene	NELAP	0.00180	0.00200		**0.0441**	mg/L	10	12/03/2024 15:04	231775
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**103.5**	%REC	1	12/03/2024 13:46	231775
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**110.3**	%REC	1	12/03/2024 13:46	231775
Surr: 2-Fluorophenol	*	0	30-130		**102.5**	%REC	1	12/03/2024 13:46	231775
Surr: Nitrobenzene-d5	*	0	40.7-126		**123.9**	%REC	1	12/03/2024 13:46	231775
Surr: Phenol-d5	*	0	20.5-122		**72.0**	%REC	1	12/03/2024 13:46	231775
Surr: p-Terphenyl-d14	*	0	44-147		**122.4**	%REC	1	12/03/2024 13:46	231775

The surrogate 2-Fluorobiphenyl in the LCS was outside the QC limits. Insufficient sample to re-extract.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.50	5.00		**1090**	µg/L	10	11/26/2024 1:11	231715
Bromoform	NELAP	0.90	2.00		**ND**	µg/L	10	11/26/2024 1:11	231715
Ethylbenzene	NELAP	1.00	10.0		**319**	µg/L	10	11/26/2024 1:11	231715
m,p-Xylenes	NELAP	2.20	10.0		**80.5**	µg/L	10	11/26/2024 1:11	231715
Methylene chloride	NELAP	8.70	20.0		**ND**	µg/L	10	11/26/2024 1:11	231715
Naphthalene	NELAP	5.70	20.0		**1160**	µg/L	10	11/26/2024 1:11	231715
o-Xylene	NELAP	0.50	10.0		**200**	µg/L	10	11/26/2024 1:11	231715
Toluene	NELAP	1.00	20.0		**185**	µg/L	10	11/26/2024 1:11	231715
trans-1,2-Dichloroethene	NELAP	1.00	20.0		**ND**	µg/L	10	11/26/2024 1:11	231715
Xylenes, Total	NELAP	2.80	20.0		**281**	µg/L	10	11/26/2024 1:11	231715
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**93.0**	%REC	10	11/26/2024 1:11	231715
Surr: 4-Bromofluorobenzene	*	0	80-120		**87.1**	%REC	10	11/26/2024 1:11	231715
Surr: Dibromofluoromethane	*	0	80-120		**104.2**	%REC	10	11/26/2024 1:11	231715
Surr: Toluene-d8	*	0	80-120		**103.7**	%REC	10	11/26/2024 1:11	231715

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

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-019 **Client Sample ID:** GW-25-WG-20241121

Matrix: GROUNDWATER **Collection Date:** 11/21/2024 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	12/02/2024 16:55	231775
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	12/02/2024 16:55	231775
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	12/02/2024 16:55	231775
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	12/02/2024 16:55	231775
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	12/02/2024 16:55	231775
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	12/02/2024 16:55	231775
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 16:55	231775
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 16:55	231775
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	12/02/2024 16:55	231775
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 16:55	231775
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	12/02/2024 16:55	231775
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	12/02/2024 16:55	231775
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	12/02/2024 16:55	231775
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	12/02/2024 16:55	231775
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	12/02/2024 16:55	231775
m,p-Cresol	NELAP	).000590	0.0100	SR	**ND**	mg/L	1	12/02/2024 16:55	231775
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	12/02/2024 16:55	231775
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	12/02/2024 16:55	231775
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	12/02/2024 16:55	231775
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	12/02/2024 16:55	231775
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**91.4**	%REC	1	12/02/2024 16:55	231775
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**80.5**	%REC	1	12/02/2024 16:55	231775
Surr: 2-Fluorophenol	*	0	30-130		**66.7**	%REC	1	12/02/2024 16:55	231775
Surr: Nitrobenzene-d5	*	0	40.7-126		**77.3**	%REC	1	12/02/2024 16:55	231775
Surr: Phenol-d5	*	0	20.5-122		**52.2**	%REC	1	12/02/2024 16:55	231775
Surr: p-Terphenyl-d14	*	0	44-147		**103.0**	%REC	1	12/02/2024 16:55	231775

The surrogate 2-Fluorobiphenyl in the LCS was outside the QC limits. Insufficient sample to re-extract.

RPD for MS/MSD was outside control limits due to sample composition.

Matrix spike did not recover within control limits due to sample composition.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/25/2024 20:21	231669
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/25/2024 20:21	231669
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/25/2024 20:21	231669
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/25/2024 20:21	231669
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/25/2024 20:21	231669
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/25/2024 20:21	231669
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/25/2024 20:21	231669
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 20:21	231669
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/25/2024 20:21	231669
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/25/2024 20:21	231669
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**88.7**	%REC	1	11/25/2024 20:21	231669
Surr: 4-Bromofluorobenzene	*	0	80-120		**93.3**	%REC	1	11/25/2024 20:21	231669
Surr: Dibromofluoromethane	*	0	80-120		**98.1**	%REC	1	11/25/2024 20:21	231669
Surr: Toluene-d8	*	0	80-120		**96.9**	%REC	1	11/25/2024 20:21	231669

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-020 **Client Sample ID:** GW-26-WG-20241120

Matrix: GROUNDWATER **Collection Date:** 11/20/2024 10:55

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	11/26/2024 19:10	231680
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	11/26/2024 19:10	231680
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	11/26/2024 19:10	231680
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 19:10	231680
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	11/26/2024 19:10	231680
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	11/26/2024 19:10	231680
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 19:10	231680
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 19:10	231680
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	11/26/2024 19:10	231680
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 19:10	231680
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 19:10	231680
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	11/26/2024 19:10	231680
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	11/26/2024 19:10	231680
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	11/26/2024 19:10	231680
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	11/26/2024 19:10	231680
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	11/26/2024 19:10	231680
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	11/26/2024 19:10	231680
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	11/26/2024 19:10	231680
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	11/26/2024 19:10	231680
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	11/26/2024 19:10	231680
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**84.7**	%REC	1	11/26/2024 19:10	231680
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**62.6**	%REC	1	11/26/2024 19:10	231680
Surr: 2-Fluorophenol	*	0	30-130		**62.6**	%REC	1	11/26/2024 19:10	231680
Surr: Nitrobenzene-d5	*	0	40.7-126		**58.2**	%REC	1	11/26/2024 19:10	231680
Surr: Phenol-d5	*	0	20.5-122		**47.6**	%REC	1	11/26/2024 19:10	231680
Surr: p-Terphenyl-d14	*	0	44-147		**74.2**	%REC	1	11/26/2024 19:10	231680
Surrogate recoveries in the MBLK and LCS were outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/26/2024 2:23	231715
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/26/2024 2:23	231715
Ethylbenzene	NELAP	0.10	1.0	J	**0.12**	µg/L	1	11/26/2024 2:23	231715
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/26/2024 2:23	231715
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/26/2024 2:23	231715
Naphthalene	NELAP	0.57	2.00		**4.25**	µg/L	1	11/26/2024 2:23	231715
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/26/2024 2:23	231715
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/26/2024 2:23	231715
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/26/2024 2:23	231715
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/26/2024 2:23	231715
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**91.7**	%REC	1	11/26/2024 2:23	231715
Surr: 4-Bromofluorobenzene	*	0	80-120		**92.2**	%REC	1	11/26/2024 2:23	231715
Surr: Dibromofluoromethane	*	0	80-120		**102.9**	%REC	1	11/26/2024 2:23	231715
Surr: Toluene-d8	*	0	80-120		**92.6**	%REC	1	11/26/2024 2:23	231715

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-021 **Client Sample ID:** EQB-001-WQ-20241119

Matrix: GROUNDWATER **Collection Date:** 11/19/2024 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 19:48	231680
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	11/26/2024 19:48	231680
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	11/26/2024 19:48	231680
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	11/26/2024 19:48	231680
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	11/26/2024 19:48	231680
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	11/26/2024 19:48	231680
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 19:48	231680
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 19:48	231680
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	11/26/2024 19:48	231680
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 19:48	231680
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	11/26/2024 19:48	231680
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	11/26/2024 19:48	231680
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	11/26/2024 19:48	231680
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	11/26/2024 19:48	231680
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	11/26/2024 19:48	231680
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	11/26/2024 19:48	231680
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	11/26/2024 19:48	231680
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	11/26/2024 19:48	231680
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	11/26/2024 19:48	231680
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	11/26/2024 19:48	231680
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**72.7**	%REC	1	11/26/2024 19:48	231680
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**64.1**	%REC	1	11/26/2024 19:48	231680
Surr: 2-Fluorophenol	*	0	30-130		**68.5**	%REC	1	11/26/2024 19:48	231680
Surr: Nitrobenzene-d5	*	0	40.7-126		**65.4**	%REC	1	11/26/2024 19:48	231680
Surr: Phenol-d5	*	0	20.5-122		**55.4**	%REC	1	11/26/2024 19:48	231680
Surr: p-Terphenyl-d14	*	0	44-147		**78.8**	%REC	1	11/26/2024 19:48	231680
Surrogate recoveries in the MBLK and LCS were outside the QC limits. Insufficient sample to re-extract.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/26/2024 0:22	231715
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/26/2024 0:22	231715
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/26/2024 0:22	231715
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/26/2024 0:22	231715
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/26/2024 0:22	231715
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/26/2024 0:22	231715
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/26/2024 0:22	231715
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/26/2024 0:22	231715
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/26/2024 0:22	231715
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/26/2024 0:22	231715
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**94.2**	%REC	1	11/26/2024 0:22	231715
Surr: 4-Bromofluorobenzene	*	0	80-120		**92.8**	%REC	1	11/26/2024 0:22	231715
Surr: Dibromofluoromethane	*	0	80-120		**106.7**	%REC	1	11/26/2024 0:22	231715
Surr: Toluene-d8	*	0	80-120		**96.7**	%REC	1	11/26/2024 0:22	231715

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Lab ID: 24112076-022 **Client Sample ID:** EQB-002-WQ-20241122

Matrix: GROUNDWATER **Collection Date:** 11/22/2024 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000078	0.000111	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Acenaphthylene	NELAP	).000056	0.000111	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Anthracene	NELAP	).000222	0.000333	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Benzo(a)anthracene	NELAP	).000078	0.000111	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Benzo(a)pyrene	NELAP	).000122	0.000222	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Benzo(b)fluoranthene	NELAP	).000144	0.000222	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Benzo(g,h,i)perylene	NELAP	).000133	0.000222	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Benzo(k)fluoranthene	NELAP	).000133	0.000222	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Bis(2-ethylhexyl)phthalate	NELAP	0.00159	0.00222	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Chrysene	NELAP	).000133	0.000222	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Dibenzo(a,h)anthracene	NELAP	).000133	0.000222	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Di-n-butyl phthalate	NELAP	).000922	0.0111	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Fluoranthene	NELAP	).000300	0.000333	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Fluorene	NELAP	).000189	0.000222	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Indeno(1,2,3-cd)pyrene	NELAP	).000178	0.000222	H	**ND**	mg/L	1	12/18/2024 15:43	232526
m,p-Cresol	NELAP	).000656	0.0111	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Naphthalene	NELAP	).000178	0.000444	H	**ND**	mg/L	1	12/18/2024 15:43	232526
o-Cresol	NELAP	).000600	0.0111	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Phenanthrene	NELAP	).000589	0.000667	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Pyrene	NELAP	).000200	0.000222	H	**ND**	mg/L	1	12/18/2024 15:43	232526
Surr: 2,4,6-Tribromophenol	*	0	31.7-161	H	**78.7**	%REC	1	12/18/2024 15:43	232526
Surr: 2-Fluorobiphenyl	*	0	37.7-123	H	**88.6**	%REC	1	12/18/2024 15:43	232526
Surr: 2-Fluorophenol	*	0	30-130	H	**70.9**	%REC	1	12/18/2024 15:43	232526
Surr: Nitrobenzene-d5	*	0	40.7-126	H	**64.2**	%REC	1	12/18/2024 15:43	232526
Surr: Phenol-d5	*	0	20.5-122	H	**58.5**	%REC	1	12/18/2024 15:43	232526
Surr: p-Terphenyl-d14	*	0	44-147	H	**88.3**	%REC	1	12/18/2024 15:43	232526
Sample required re-extraction out of hold time.									
Elevated reporting limits due to limited sample for re-extraction.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	11/26/2024 0:47	231715
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	11/26/2024 0:47	231715
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	11/26/2024 0:47	231715
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	11/26/2024 0:47	231715
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	11/26/2024 0:47	231715
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	11/26/2024 0:47	231715
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	11/26/2024 0:47	231715
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	11/26/2024 0:47	231715
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	11/26/2024 0:47	231715
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	11/26/2024 0:47	231715
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**93.0**	%REC	1	11/26/2024 0:47	231715
Surr: 4-Bromofluorobenzene	*	0	80-120		**94.4**	%REC	1	11/26/2024 0:47	231715
Surr: Dibromofluoromethane	*	0	80-120		**103.8**	%REC	1	11/26/2024 0:47	231715
Surr: Toluene-d8	*	0	80-120		**90.9**	%REC	1	11/26/2024 0:47	231715

Client: ERM
Work Order: 24112076
Client Project: Ameren Taylorville 4th Qtr 2024
Report Date: 19-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24112076-001	GW-04R-WG-20241122	Groundwater	2	11/22/2024 11:05
24112076-002	GW-05-WG-20241120	Groundwater	2	11/20/2024 10:15
24112076-003	GW-07-WG-20241121	Groundwater	2	11/21/2024 14:00
24112076-004	GW-14-WG-20241121	Groundwater	2	11/21/2024 12:20
24112076-005	GW-15-WG-20241122	Groundwater	2	11/22/2024 9:35
24112076-006	GW-16S-WG-20241120	Groundwater	2	11/20/2024 9:10
24112076-007	GW-16D-WG-20241120	Groundwater	2	11/20/2024 12:10
24112076-008	GW-17-WG-20241120	Groundwater	2	11/20/2024 13:45
24112076-009	GW-18S-WG-20241120	Groundwater	2	11/20/2024 14:35
24112076-010	GW-18D-WG-20241120	Groundwater	2	11/20/2024 15:35
24112076-011	GW-19S-WG-20241119	Groundwater	2	11/19/2024 15:05
24112076-012	GW-19D-WG-20241119	Groundwater	2	11/19/2024 14:35
24112076-013	GW-20-WG-20241119	Groundwater	2	11/19/2024 12:30
24112076-014	GW-22S-WG-20241121	Groundwater	2	11/21/2024 15:55
24112076-015	GW-22D-WG-20241121	Groundwater	2	11/21/2024 15:30
24112076-016	DUP-001-WG-20241121	Groundwater	2	11/21/2024 0:01
24112076-017	TB-001-WQ-20241119	Trip Blank	1	11/22/2024 16:40
24112076-018	DUP-002-WG-20241122	Groundwater	2	11/22/2024 0:02
24112076-019	GW-25-WG-20241121	Groundwater	2	11/21/2024 10:35
24112076-020	GW-26-WG-20241120	Groundwater	2	11/20/2024 10:55
24112076-021	EQB-001-WQ-20241119	Groundwater	2	11/19/2024 12:00
24112076-022	EQB-002-WQ-20241122	Groundwater	2	11/22/2024 10:45

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
24112076-001A	GW-04R-WG-20241122	11/22/2024 11:05	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/03/2024 13:07
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/03/2024 14:25
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/03/2024 15:43
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/04/2024 11:18
24112076-001B	GW-04R-WG-20241122	11/22/2024 11:05	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 13:29
24112076-002A	GW-05-WG-20241120	11/20/2024 10:15	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/25/2024 15:54	11/26/2024 12:22
24112076-002B	GW-05-WG-20241120	11/20/2024 10:15	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 13:53
24112076-003A	GW-07-WG-20241121	11/21/2024 14:00	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/02/2024 13:01
24112076-003B	GW-07-WG-20241121	11/21/2024 14:00	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 14:17
24112076-004A	GW-14-WG-20241121	11/21/2024 12:20	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/02/2024 13:40
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/03/2024 12:28
24112076-004B	GW-14-WG-20241121	11/21/2024 12:20	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 14:42
24112076-005A	GW-15-WG-20241122	11/22/2024 9:35	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/02/2024 14:19
24112076-005B	GW-15-WG-20241122	11/22/2024 9:35	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 15:06
24112076-006A	GW-16S-WG-20241120	11/20/2024 9:10	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/25/2024 15:54	11/26/2024 13:03
24112076-006B	GW-16S-WG-20241120	11/20/2024 9:10	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 15:30
24112076-007A	GW-16D-WG-20241120	11/20/2024 12:10	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/25/2024 15:54	11/26/2024 13:44
24112076-007B	GW-16D-WG-20241120	11/20/2024 12:10	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 15:54
24112076-008A	GW-17-WG-20241120	11/20/2024 13:45	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/25/2024 15:54	11/26/2024 14:25
24112076-008B	GW-17-WG-20241120	11/20/2024 13:45	11/22/2024 16:40		

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 16:18
24112076-009A	GW-18S-WG-20241120	11/20/2024 14:35	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/25/2024 15:54	11/26/2024 15:17
24112076-009B	GW-18S-WG-20241120	11/20/2024 14:35	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 16:43
24112076-010A	GW-18D-WG-20241120	11/20/2024 15:35	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/25/2024 15:54	11/26/2024 15:56
24112076-010B	GW-18D-WG-20241120	11/20/2024 15:35	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 17:07
24112076-011A	GW-19S-WG-20241119	11/19/2024 15:05	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/25/2024 15:54	11/26/2024 17:13
24112076-011B	GW-19S-WG-20241119	11/19/2024 15:05	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 17:32
24112076-012A	GW-19D-WG-20241119	11/19/2024 14:35	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/25/2024 15:54	11/26/2024 17:52
24112076-012B	GW-19D-WG-20241119	11/19/2024 14:35	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 17:56
24112076-013A	GW-20-WG-20241119	11/19/2024 12:30	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/25/2024 15:54	11/26/2024 18:31
24112076-013B	GW-20-WG-20241119	11/19/2024 12:30	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 18:20
24112076-014A	GW-22S-WG-20241121	11/21/2024 15:55	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/02/2024 14:58
24112076-014B	GW-22S-WG-20241121	11/21/2024 15:55	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 18:44
24112076-015A	GW-22D-WG-20241121	11/21/2024 15:30	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/02/2024 15:38
24112076-015B	GW-22D-WG-20241121	11/21/2024 15:30	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 19:08
24112076-016A	DUP-001-WG-20241121	11/21/2024 0:01	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/02/2024 16:16
24112076-016B	DUP-001-WG-20241121	11/21/2024 0:01	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 19:32
24112076-017A	TB-001-WQ-20241119	11/22/2024 16:40	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 19:56

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
24112076-018A	DUP-002-WG-20241122	11/22/2024 0:02	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/03/2024 13:46
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/03/2024 15:04
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/04/2024 14:09
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/04/2024 14:48
24112076-018B	DUP-002-WG-20241122	11/22/2024 0:02	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/26/2024 1:11
24112076-019A	GW-25-WG-20241121	11/21/2024 10:35	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/27/2024 13:08	12/02/2024 16:55
24112076-019B	GW-25-WG-20241121	11/21/2024 10:35	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/25/2024 20:21
24112076-020A	GW-26-WG-20241120	11/20/2024 10:55	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/25/2024 15:54	11/26/2024 19:10
24112076-020B	GW-26-WG-20241120	11/20/2024 10:55	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/26/2024 2:23
24112076-021A	EQB-001-WQ-20241119	11/19/2024 12:00	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/25/2024 15:54	11/26/2024 19:48
24112076-021B	EQB-001-WQ-20241119	11/19/2024 12:00	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/26/2024 0:22
24112076-022A	EQB-002-WQ-20241122	11/22/2024 10:45	11/22/2024 16:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			12/18/2024 8:49	12/18/2024 15:43
24112076-022B	EQB-002-WQ-20241122	11/22/2024 10:45	11/22/2024 16:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/26/2024 0:47

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231680 **SampType:** MBLK Units **mg/L**

SampID: MBLK-231680

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						11/26/2024
Acenaphthylene		0.000100		**ND**						11/26/2024
Anthracene		0.000300		**ND**						11/26/2024
Benzo(a)anthracene		0.000100		**ND**						11/26/2024
Benzo(a)pyrene		0.000200		**ND**						11/26/2024
Benzo(b)fluoranthene		0.000200		**ND**						11/26/2024
Benzo(g,h,i)perylene		0.000200		**ND**						11/26/2024
Benzo(k)fluoranthene		0.000200		**ND**						11/26/2024
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						11/26/2024
Chrysene		0.000200		**ND**						11/26/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						11/26/2024
Di-n-butyl phthalate		0.0100		**ND**						11/26/2024
Fluoranthene		0.000300		**ND**						11/26/2024
Fluorene		0.000200		**ND**						11/26/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						11/26/2024
m,p-Cresol		0.0100		**ND**						11/26/2024
Naphthalene		0.000400		**ND**						11/26/2024
o-Cresol		0.0100		**ND**						11/26/2024
Phenanthrene		0.000600		**ND**						11/26/2024
Pyrene		0.000200		**ND**						11/26/2024
Surr: 2,4,6-Tribromophenol	*			**0.00145**	0.0020		72.5	64.7	172	11/26/2024
Surr: 2-Fluorobiphenyl	*		S	**0.000518**	0.0010		51.8	64.1	127	11/26/2024
Surr: 2-Fluorophenol	*		S	**0.00114**	0.0020		56.8	67	152	11/26/2024
Surr: Nitrobenzene-d5	*		S	**0.000572**	0.0010		57.2	64.8	127	11/26/2024
Surr: Phenol-d5	*			**0.000967**	0.0020		48.3	47.8	144	11/26/2024
Surr: p-Terphenyl-d14	*			**0.000742**	0.0010		74.2	62.8	158	11/26/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231680 **SampType:** LCS Units **mg/L**

SampID: LCS-231680

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00117**	0.0020	0	58.7	51.5	111	11/26/2024
Acenaphthylene		0.000100		**0.00117**	0.0020	0	58.6	51.1	116	11/26/2024
Anthracene		0.000300		**0.00123**	0.0020	0	61.4	52.6	117	11/26/2024
Benzo(a)anthracene		0.000100		**0.00130**	0.0020	0	65.2	44.4	130	11/26/2024
Benzo(a)pyrene		0.000200		**0.00124**	0.0020	0	62.1	56.6	128	11/26/2024
Benzo(b)fluoranthene		0.000200		**0.00153**	0.0020	0	76.4	40.9	146	11/26/2024
Benzo(g,h,i)perylene		0.000200		**0.00150**	0.0020	0	74.8	44.8	139	11/26/2024
Benzo(k)fluoranthene		0.000200		**0.00126**	0.0020	0	63.1	50	125	11/26/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0025**	0.0020	0	127.1	49.6	197	11/26/2024
Chrysene		0.000200		**0.00127**	0.0020	0	63.5	49	124	11/26/2024
Dibenzo(a,h)anthracene		0.000200		**0.00147**	0.0020	0	73.5	46.6	141	11/26/2024
Di-n-butyl phthalate		0.0100	J	**0.0019**	0.0020	0	93.9	55.2	145	11/26/2024
Fluoranthene		0.000300		**0.00137**	0.0020	0	68.5	54.6	125	11/26/2024
Fluorene		0.000200		**0.00126**	0.0020	0	63.2	54.4	116	11/26/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00147**	0.0020	0	73.6	47.7	145	11/26/2024
m,p-Cresol		0.0100		**0.0142**	0.0200	0	71.2	61.4	105	11/26/2024
Naphthalene		0.000400		**0.00112**	0.0020	0	55.8	48.9	112	11/26/2024
o-Cresol		0.0100		**0.0142**	0.0200	0	70.9	60.1	105	11/26/2024
Phenanthrene		0.000600		**0.00137**	0.0020	0	68.3	54.6	126	11/26/2024
Pyrene		0.000200		**0.00132**	0.0020	0	65.9	51.6	123	11/26/2024
Surr: 2,4,6-Tribromophenol	*			**0.00147**	0.0020		73.7	64.7	172	11/26/2024
Surr: 2-Fluorobiphenyl	*		S	**0.000549**	0.0010		54.9	64.1	127	11/26/2024
Surr: 2-Fluorophenol	*		S	**0.00123**	0.0020		61.5	67	152	11/26/2024
Surr: Nitrobenzene-d5	*		S	**0.000626**	0.0010		62.6	64.8	127	11/26/2024
Surr: Phenol-d5	*			**0.00103**	0.0020		51.4	47.8	144	11/26/2024
Surr: p-Terphenyl-d14	*			**0.000716**	0.0010		71.6	62.8	158	11/26/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231680 **SampType:** LCSD Units **mg/L** RPD Limit **34.5**

SampID: LCSD-231680

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00118**	0.0020	0	59.2	0.001174	0.91	11/26/2024
Acenaphthylene		0.000100		**0.00120**	0.0020	0	60.0	0.001171	2.50	11/26/2024
Anthracene		0.000300		**0.00123**	0.0020	0	61.5	0.001229	0.07	11/26/2024
Benzo(a)anthracene		0.000100		**0.00127**	0.0020	0	63.6	0.001304	2.44	11/26/2024
Benzo(a)pyrene		0.000200		**0.00124**	0.0020	0	61.8	0.001242	0.55	11/26/2024
Benzo(b)fluoranthene		0.000200		**0.00150**	0.0020	0	75.2	0.001529	1.69	11/26/2024
Benzo(g,h,i)perylene		0.000200		**0.00147**	0.0020	0	73.6	0.001497	1.66	11/26/2024
Benzo(k)fluoranthene		0.000200		**0.00123**	0.0020	0	61.4	0.001263	2.76	11/26/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0025**	0.0020	0	127.2	0.002542	0.00	11/26/2024
Chrysene		0.000200		**0.00119**	0.0020	0	59.4	0.001271	6.68	11/26/2024
Dibenzo(a,h)anthracene		0.000200		**0.00155**	0.0020	0	77.5	0.001470	5.29	11/26/2024
Di-n-butyl phthalate		0.0100	J	**0.0016**	0.0020	0	81.5	0.001879	0.00	11/26/2024
Fluoranthene		0.000300		**0.00138**	0.0020	0	68.8	0.001369	0.54	11/26/2024
Fluorene		0.000200		**0.00129**	0.0020	0	64.7	0.001264	2.39	11/26/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00144**	0.0020	0	72.0	0.001473	2.27	11/26/2024
m,p-Cresol		0.0100		**0.0150**	0.0200	0	74.8	0.01423	4.99	11/26/2024
Naphthalene		0.000400		**0.00115**	0.0020	0	57.3	0.001116	2.67	11/26/2024
o-Cresol		0.0100		**0.0146**	0.0200	0	73.2	0.01418	3.23	11/26/2024
Phenanthrene		0.000600		**0.00139**	0.0020	0	69.5	0.001365	1.79	11/26/2024
Pyrene		0.000200		**0.00132**	0.0020	0	66.0	0.001317	0.23	11/26/2024
Surr: 2,4,6-Tribromophenol	*			**0.00166**	0.0020		83.2			11/26/2024
Surr: 2-Fluorobiphenyl	*			**0.000644**	0.0010		64.4			11/26/2024
Surr: 2-Fluorophenol	*			**0.00138**	0.0020		69.0			11/26/2024
Surr: Nitrobenzene-d5	*			**0.000740**	0.0010		74.0			11/26/2024
Surr: Phenol-d5	*			**0.00123**	0.0020		61.7			11/26/2024
Surr: p-Terphenyl-d14	*			**0.000824**	0.0010		82.4			11/26/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231775 **SampType:** MBLK Units **mg/L**

SampID: MBLK-231775

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						12/02/2024
Acenaphthylene		0.000100		**ND**						12/02/2024
Anthracene		0.000300		**ND**						12/02/2024
Benzo(a)anthracene		0.000100		**ND**						12/02/2024
Benzo(a)pyrene		0.000200		**ND**						12/02/2024
Benzo(b)fluoranthene		0.000200		**ND**						12/02/2024
Benzo(g,h,i)perylene		0.000200		**ND**						12/02/2024
Benzo(k)fluoranthene		0.000200		**ND**						12/02/2024
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						12/02/2024
Chrysene		0.000200		**ND**						12/02/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						12/02/2024
Di-n-butyl phthalate		0.0100		**ND**						12/02/2024
Fluoranthene		0.000300		**ND**						12/02/2024
Fluorene		0.000200		**ND**						12/02/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						12/02/2024
m,p-Cresol		0.0100		**ND**						12/02/2024
Naphthalene		0.000400		**ND**						12/02/2024
o-Cresol		0.0100		**ND**						12/02/2024
Phenanthrene		0.000600		**ND**						12/02/2024
Pyrene		0.000200		**ND**						12/02/2024
Surr: 2,4,6-Tribromophenol	*			**0.00227**	0.0020		113.3	64.7	172	12/02/2024
Surr: 2-Fluorobiphenyl	*			**0.000921**	0.0010		92.1	64.1	127	12/02/2024
Surr: 2-Fluorophenol	*			**0.00174**	0.0020		86.9	67	152	12/02/2024
Surr: Nitrobenzene-d5	*			**0.000846**	0.0010		84.6	64.8	127	12/02/2024
Surr: Phenol-d5	*			**0.00149**	0.0020		74.7	47.8	144	12/02/2024
Surr: p-Terphenyl-d14	*			**0.00106**	0.0010		106.0	62.8	158	12/02/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231775 **SampType:** LCS Units **mg/L**

SampID: LCS-231775

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00134**	0.0020	0	66.9	51.5	111	12/02/2024
Acenaphthylene		0.000100		**0.00150**	0.0020	0	75.0	51.1	116	12/02/2024
Anthracene		0.000300		**0.00151**	0.0020	0	75.3	52.6	117	12/02/2024
Benzo(a)anthracene		0.000100		**0.00136**	0.0020	0	67.9	44.4	130	12/02/2024
Benzo(a)pyrene		0.000200		**0.00151**	0.0020	0	75.3	56.6	128	12/02/2024
Benzo(b)fluoranthene		0.000200		**0.00160**	0.0020	0	79.8	40.9	146	12/02/2024
Benzo(g,h,i)perylene		0.000200		**0.00160**	0.0020	0	80.0	44.8	139	12/02/2024
Benzo(k)fluoranthene		0.000200		**0.00169**	0.0020	0	84.3	50	125	12/02/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0024**	0.0020	0	121.0	49.6	197	12/02/2024
Chrysene		0.000200		**0.00164**	0.0020	0	82.0	49	124	12/02/2024
Dibenzo(a,h)anthracene		0.000200		**0.00172**	0.0020	0	86.2	46.6	141	12/02/2024
Di-n-butyl phthalate		0.0100	J	**0.0017**	0.0020	0	84.5	55.2	145	12/02/2024
Fluoranthene		0.000300		**0.00160**	0.0020	0	80.1	54.6	125	12/02/2024
Fluorene		0.000200		**0.00163**	0.0020	0	81.5	54.4	116	12/02/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00158**	0.0020	0	79.0	47.7	145	12/02/2024
m,p-Cresol		0.0100		**0.0169**	0.0200	0	84.5	61.4	105	12/02/2024
Naphthalene		0.000400		**0.00124**	0.0020	0	62.0	48.9	112	12/02/2024
o-Cresol		0.0100		**0.0169**	0.0200	0	84.4	60.1	105	12/02/2024
Phenanthrene		0.000600		**0.00165**	0.0020	0	82.4	54.6	126	12/02/2024
Pyrene		0.000200		**0.00156**	0.0020	0	77.9	51.6	123	12/02/2024
Surr: 2,4,6-Tribromophenol	*			**0.00320**	0.0020		160.1	64.7	172	12/02/2024
Surr: 2-Fluorobiphenyl	*		S	**0.000609**	0.0010		60.9	64.1	127	12/02/2024
Surr: 2-Fluorophenol	*			**0.00144**	0.0020		71.9	67	152	12/02/2024
Surr: Nitrobenzene-d5	*			**0.000776**	0.0010		77.6	64.8	127	12/02/2024
Surr: Phenol-d5	*			**0.00135**	0.0020		67.3	47.8	144	12/02/2024
Surr: p-Terphenyl-d14	*			**0.000915**	0.0010		91.5	62.8	158	12/02/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231775 **SampType:** LCSD Units **mg/L** RPD Limit **34.5**

SampID: LCSD-231775

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00145**	0.0020	0	72.4	0.001338	7.90	12/02/2024
Acenaphthylene		0.000100		**0.00151**	0.0020	0	75.4	0.001500	0.54	12/02/2024
Anthracene		0.000300		**0.00152**	0.0020	0	75.9	0.001507	0.79	12/02/2024
Benzo(a)anthracene		0.000100		**0.00151**	0.0020	0	75.4	0.001358	10.52	12/02/2024
Benzo(a)pyrene		0.000200		**0.00154**	0.0020	0	77.2	0.001506	2.54	12/02/2024
Benzo(b)fluoranthene		0.000200		**0.00163**	0.0020	0	81.4	0.001596	1.95	12/02/2024
Benzo(g,h,i)perylene		0.000200		**0.00166**	0.0020	0	83.1	0.001599	3.86	12/02/2024
Benzo(k)fluoranthene		0.000200		**0.00168**	0.0020	0	84.1	0.001686	0.27	12/02/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0024**	0.0020	0	118.9	0.002419	0.00	12/02/2024
Chrysene		0.000200		**0.00152**	0.0020	0	75.9	0.001640	7.67	12/02/2024
Dibenzo(a,h)anthracene		0.000200		**0.00177**	0.0020	0	88.3	0.001725	2.33	12/02/2024
Di-n-butyl phthalate		0.0100	J	**0.0018**	0.0020	0	87.4	0.001689	0.00	12/02/2024
Fluoranthene		0.000300		**0.00165**	0.0020	0	82.4	0.001603	2.83	12/02/2024
Fluorene		0.000200		**0.00162**	0.0020	0	81.1	0.001630	0.45	12/02/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00165**	0.0020	0	82.3	0.001580	4.02	12/02/2024
m,p-Cresol		0.0100		**0.0165**	0.0200	0	82.3	0.01691	2.65	12/02/2024
Naphthalene		0.000400		**0.00123**	0.0020	0	61.6	0.001240	0.59	12/02/2024
o-Cresol		0.0100		**0.0170**	0.0200	0	85.1	0.01688	0.81	12/02/2024
Phenanthrene		0.000600		**0.00167**	0.0020	0	83.4	0.001647	1.22	12/02/2024
Pyrene		0.000200		**0.00159**	0.0020	0	79.4	0.001558	1.91	12/02/2024
Surr: 2,4,6-Tribromophenol	*			**0.00211**	0.0020		105.4			12/02/2024
Surr: 2-Fluorobiphenyl	*			**0.000732**	0.0010		73.2			12/02/2024
Surr: 2-Fluorophenol	*			**0.00170**	0.0020		85.2			12/02/2024
Surr: Nitrobenzene-d5	*			**0.000918**	0.0010		91.8			12/02/2024
Surr: Phenol-d5	*			**0.00151**	0.0020		75.3			12/02/2024
Surr: p-Terphenyl-d14	*			**0.00103**	0.0010		102.9			12/02/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231775 **SampType:** MS Units **mg/L**

SampID: 24112076-019AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00151**	0.0020	0	75.5	62.7	99	12/02/2024
Acenaphthylene		0.000100		**0.00141**	0.0020	0	70.5	65.3	112	12/02/2024
Anthracene		0.000300		**0.00145**	0.0020	0	72.7	58.5	108	12/02/2024
Benzo(a)anthracene		0.000100		**0.00142**	0.0020	0	70.8	64	108	12/02/2024
Benzo(a)pyrene		0.000200		**0.00145**	0.0020	0	72.6	58.5	117	12/02/2024
Benzo(b)fluoranthene		0.000200		**0.00162**	0.0020	0	80.9	58	125	12/02/2024
Benzo(g,h,i)perylene		0.000200		**0.00163**	0.0020	0	81.3	62.2	120	12/02/2024
Benzo(k)fluoranthene		0.000200		**0.00156**	0.0020	0	78.2	61.3	111	12/02/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0025**	0.0020	0	125.5	80.2	167	12/02/2024
Chrysene		0.000200		**0.00157**	0.0020	0	78.3	57.1	113	12/02/2024
Dibenzo(a,h)anthracene		0.000200		**0.00171**	0.0020	0	85.6	62.4	136	12/02/2024
Di-n-butyl phthalate		0.0100	J	**0.0017**	0.0020	0	84.4	70.4	123	12/02/2024
Fluoranthene		0.000300		**0.00157**	0.0020	0	78.4	61.7	113	12/02/2024
Fluorene		0.000200		**0.00156**	0.0020	0	78.1	59.7	107	12/02/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00161**	0.0020	0	80.7	63.8	130	12/02/2024
m,p-Cresol		0.0100		**0.0143**	0.0200	0	71.6	60	109	12/02/2024
Naphthalene		0.000400		**0.00126**	0.0020	0	63.2	60.6	101	12/02/2024
o-Cresol		0.0100		**0.0147**	0.0200	0	73.7	57.4	108	12/02/2024
Phenanthrene		0.000600		**0.00158**	0.0020	0	78.8	57.9	117	12/02/2024
Pyrene		0.000200		**0.00152**	0.0020	0	75.9	53.7	107	12/02/2024
Surr: 2,4,6-Tribromophenol	*			**0.00280**	0.0020		140.0	31.7	161	12/02/2024
Surr: 2-Fluorobiphenyl	*			**0.000677**	0.0010		67.7	37.7	123	12/02/2024
Surr: 2-Fluorophenol	*			**0.00133**	0.0020		66.5	30	130	12/02/2024
Surr: Nitrobenzene-d5	*			**0.000834**	0.0010		83.4	40.7	126	12/02/2024
Surr: Phenol-d5	*			**0.00114**	0.0020		57.1	20.5	122	12/02/2024
Surr: p-Terphenyl-d14	*			**0.000960**	0.0010		96.0	44	147	12/02/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231775 **SampType:** MSD Units **mg/L** RPD Limit **18.6**

SampID: 24112076-019AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00159**	0.0020	0	79.4	0.001510	5.12	12/02/2024
Acenaphthylene		0.000100		**0.00161**	0.0020	0	80.4	0.001410	13.16	12/02/2024
Anthracene		0.000300		**0.00150**	0.0020	0	75.1	0.001455	3.23	12/02/2024
Benzo(a)anthracene		0.000100		**0.00133**	0.0020	0	66.7	0.001416	5.92	12/02/2024
Benzo(a)pyrene		0.000200		**0.00143**	0.0020	0	71.5	0.001451	1.46	12/02/2024
Benzo(b)fluoranthene		0.000200		**0.00155**	0.0020	0	77.7	0.001619	4.10	12/02/2024
Benzo(g,h,i)perylene		0.000200		**0.00157**	0.0020	0	78.7	0.001626	3.23	12/02/2024
Benzo(k)fluoranthene		0.000200		**0.00157**	0.0020	0	78.3	0.001564	0.13	12/02/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0020**	0.0020	0	97.6	0.002509	0.00	12/02/2024
Chrysene		0.000200		**0.00159**	0.0020	0	79.5	0.001565	1.58	12/02/2024
Dibenzo(a,h)anthracene		0.000200		**0.00168**	0.0020	0	83.9	0.001711	2.01	12/02/2024
Di-n-butyl phthalate		0.0100	J	**0.0018**	0.0020	0	89.6	0.001687	0.00	12/02/2024
Fluoranthene		0.000300		**0.00165**	0.0020	0	82.7	0.001567	5.35	12/02/2024
Fluorene		0.000200		**0.00168**	0.0020	0	84.1	0.001562	7.37	12/02/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00156**	0.0020	0	78.0	0.001613	3.38	12/02/2024
m,p-Cresol		0.0100	SR	**0.0113**	0.0200	0	56.4	0.01433	23.83	12/02/2024
Naphthalene		0.000400		**0.00140**	0.0020	0	70.1	0.001265	10.30	12/02/2024
o-Cresol		0.0100		**0.0119**	0.0200	0	59.5	0.01473	21.31	12/02/2024
Phenanthrene		0.000600		**0.00159**	0.0020	0	79.7	0.001576	1.14	12/02/2024
Pyrene		0.000200		**0.00159**	0.0020	0	79.3	0.001517	4.37	12/02/2024
Surr: 2,4,6-Tribromophenol	*			**0.00188**	0.0020		94.0			12/02/2024
Surr: 2-Fluorobiphenyl	*			**0.000759**	0.0010		75.9			12/02/2024
Surr: 2-Fluorophenol	*			**0.00113**	0.0020		56.4			12/02/2024
Surr: Nitrobenzene-d5	*			**0.000888**	0.0010		88.8			12/02/2024
Surr: Phenol-d5	*			**0.000939**	0.0020		46.9			12/02/2024
Surr: p-Terphenyl-d14	*			**0.000918**	0.0010		91.8			12/02/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 232526 **SampType:** MBLK Units **mg/L**

SampID: MBLK-232526

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						12/18/2024
Acenaphthylene		0.000100		**ND**						12/18/2024
Anthracene		0.000300		**ND**						12/18/2024
Benzo(a)anthracene		0.000100		**ND**						12/18/2024
Benzo(a)pyrene		0.000200		**ND**						12/18/2024
Benzo(b)fluoranthene		0.000200		**ND**						12/18/2024
Benzo(g,h,i)perylene		0.000200		**ND**						12/18/2024
Benzo(k)fluoranthene		0.000200		**ND**						12/18/2024
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						12/18/2024
Chrysene		0.000200		**ND**						12/18/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						12/18/2024
Di-n-butyl phthalate		0.0100		**ND**						12/18/2024
Fluoranthene		0.000300		**ND**						12/18/2024
Fluorene		0.000200		**ND**						12/18/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						12/18/2024
m,p-Cresol		0.0100		**ND**						12/18/2024
Naphthalene		0.000400		**ND**						12/18/2024
o-Cresol		0.0100		**ND**						12/18/2024
Phenanthrene		0.000600		**ND**						12/18/2024
Pyrene		0.000200		**ND**						12/18/2024
Surr: 2,4,6-Tribromophenol	*			**0.00190**	0.0020		95.2	64.7	172	12/18/2024
Surr: 2-Fluorobiphenyl	*			**0.000956**	0.0010		95.6	64.1	127	12/18/2024
Surr: 2-Fluorophenol	*			**0.00162**	0.0020		81.2	67	152	12/18/2024
Surr: Nitrobenzene-d5	*			**0.000719**	0.0010		71.9	64.8	127	12/18/2024
Surr: Phenol-d5	*			**0.00125**	0.0020		62.4	47.8	144	12/18/2024
Surr: p-Terphenyl-d14	*			**0.000926**	0.0010		92.6	62.8	158	12/18/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 232526 **SampType:** LCS Units **mg/L**

SampID: LCS-232526

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00131**	0.0020	0	65.7	51.5	111	12/18/2024
Acenaphthylene		0.000100		**0.00129**	0.0020	0	64.5	51.1	116	12/18/2024
Anthracene		0.000300		**0.00126**	0.0020	0	63.2	52.6	117	12/18/2024
Benzo(a)anthracene		0.000100		**0.00117**	0.0020	0	58.6	44.4	130	12/18/2024
Benzo(a)pyrene		0.000200		**0.00126**	0.0020	0	62.8	56.6	128	12/18/2024
Benzo(b)fluoranthene		0.000200		**0.00140**	0.0020	0	70.1	40.9	146	12/18/2024
Benzo(g,h,i)perylene		0.000200		**0.00148**	0.0020	0	73.9	44.8	139	12/18/2024
Benzo(k)fluoranthene		0.000200		**0.00137**	0.0020	0	68.6	50	125	12/18/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0019**	0.0020	0	92.8	49.6	197	12/18/2024
Chrysene		0.000200		**0.00135**	0.0020	0	67.3	49	124	12/18/2024
Dibenzo(a,h)anthracene		0.000200		**0.00162**	0.0020	0	80.9	46.6	141	12/18/2024
Di-n-butyl phthalate		0.0100	J	**0.0018**	0.0020	0	89.5	55.2	145	12/18/2024
Fluoranthene		0.000300		**0.00137**	0.0020	0	68.5	54.6	125	12/18/2024
Fluorene		0.000200		**0.00144**	0.0020	0	72.1	54.4	116	12/18/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00150**	0.0020	0	75.1	47.7	145	12/18/2024
m,p-Cresol		0.0100		**0.0146**	0.0200	0	73.0	61.4	105	12/18/2024
Naphthalene		0.000400		**0.00124**	0.0020	0	62.0	48.9	112	12/18/2024
o-Cresol		0.0100		**0.0154**	0.0200	0	77.2	60.1	105	12/18/2024
Phenanthrene		0.000600		**0.00133**	0.0020	0	66.3	54.6	126	12/18/2024
Pyrene		0.000200		**0.00130**	0.0020	0	64.8	51.6	123	12/18/2024
Surr: 2,4,6-Tribromophenol	*			**0.00234**	0.0020		116.9	64.7	172	12/18/2024
Surr: 2-Fluorobiphenyl	*			**0.000800**	0.0010		80.0	64.1	127	12/18/2024
Surr: 2-Fluorophenol	*			**0.00153**	0.0020		76.6	67	152	12/18/2024
Surr: Nitrobenzene-d5	*			**0.000795**	0.0010		79.5	64.8	127	12/18/2024
Surr: Phenol-d5	*			**0.00137**	0.0020		68.7	47.8	144	12/18/2024
Surr: p-Terphenyl-d14	*			**0.000901**	0.0010		90.1	62.8	158	12/18/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 232526 **SampType:** LCSD Units **mg/L** RPD Limit **34.5**

SampID: LCSD-232526

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00138**	0.0020	0	68.8	0.001313	4.60	12/18/2024
Acenaphthylene		0.000100		**0.00127**	0.0020	0	63.6	0.001291	1.49	12/18/2024
Anthracene		0.000300		**0.00131**	0.0020	0	65.6	0.001264	3.84	12/18/2024
Benzo(a)anthracene		0.000100		**0.00121**	0.0020	0	60.5	0.001172	3.18	12/18/2024
Benzo(a)pyrene		0.000200		**0.00133**	0.0020	0	66.3	0.001255	5.46	12/18/2024
Benzo(b)fluoranthene		0.000200		**0.00143**	0.0020	0	71.5	0.001402	2.03	12/18/2024
Benzo(g,h,i)perylene		0.000200		**0.00151**	0.0020	0	75.5	0.001478	2.18	12/18/2024
Benzo(k)fluoranthene		0.000200		**0.00143**	0.0020	0	71.3	0.001371	3.90	12/18/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0022**	0.0020	0	110.0	0.001857	0.00	12/18/2024
Chrysene		0.000200		**0.00140**	0.0020	0	70.2	0.001345	4.23	12/18/2024
Dibenzo(a,h)anthracene		0.000200		**0.00154**	0.0020	0	77.0	0.001618	4.87	12/18/2024
Di-n-butyl phthalate		0.0100	J	**0.0019**	0.0020	0	94.9	0.001790	0.00	12/18/2024
Fluoranthene		0.000300		**0.00141**	0.0020	0	70.7	0.001370	3.14	12/18/2024
Fluorene		0.000200		**0.00145**	0.0020	0	72.3	0.001442	0.25	12/18/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00155**	0.0020	0	77.5	0.001501	3.22	12/18/2024
m,p-Cresol		0.0100		**0.0143**	0.0200	0	71.5	0.01461	2.09	12/18/2024
Naphthalene		0.000400		**0.00125**	0.0020	0	62.3	0.001240	0.48	12/18/2024
o-Cresol		0.0100		**0.0150**	0.0200	0	75.2	0.01545	2.65	12/18/2024
Phenanthrene		0.000600		**0.00136**	0.0020	0	68.2	0.001326	2.82	12/18/2024
Pyrene		0.000200		**0.00132**	0.0020	0	66.1	0.001297	1.96	12/18/2024
Surr: 2,4,6-Tribromophenol	*			**0.00243**	0.0020		121.7			12/18/2024
Surr: 2-Fluorobiphenyl	*			**0.000847**	0.0010		84.7			12/18/2024
Surr: 2-Fluorophenol	*			**0.00153**	0.0020		76.7			12/18/2024
Surr: Nitrobenzene-d5	*			**0.000750**	0.0010		75.0			12/18/2024
Surr: Phenol-d5	*			**0.00137**	0.0020		68.6			12/18/2024
Surr: p-Terphenyl-d14	*			**0.000924**	0.0010		92.4			12/18/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231669 **SampType:** MBLK Units µg/L

SampID: MBLK-AE241125A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						11/25/2024
Bromoform		2.0		**ND**						11/25/2024
Ethylbenzene		2.0		**ND**						11/25/2024
m,p-Xylenes		2.0		**ND**						11/25/2024
Methylene chloride		2.0		**ND**						11/25/2024
Naphthalene		5.0		**ND**						11/25/2024
o-Xylene		2.0		**ND**						11/25/2024
Toluene		2.0		**ND**						11/25/2024
trans-1,2-Dichloroethene		2.0		**ND**						11/25/2024
Xylenes, Total		4.0		**ND**						11/25/2024
Surr: 1,2-Dichloroethane-d4	*			**45.5**	50.00		91.1	80	120	11/25/2024
Surr: 4-Bromofluorobenzene	*			**46.0**	50.00		92.1	80	120	11/25/2024
Surr: Dibromofluoromethane	*			**50.9**	50.00		101.9	80	120	11/25/2024
Surr: Toluene-d8	*			**50.0**	50.00		99.9	80	120	11/25/2024

Batch 231669 **SampType:** LCS Units µg/L

SampID: LCS-AE241125A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**48.8**	50.00	0	97.6	81.6	120	11/25/2024
Bromoform		2.0		**49.8**	50.00	0	99.6	81.5	118	11/25/2024
Ethylbenzene		2.0		**46.8**	50.00	0	93.6	82.4	116	11/25/2024
m,p-Xylenes		2.0		**91.4**	100.0	0	91.4	82.5	117	11/25/2024
Methylene chloride		2.0		**47.3**	50.00	0	94.6	75.3	122	11/25/2024
Naphthalene		5.0		**42.2**	50.00	0	84.4	71	126	11/25/2024
o-Xylene		2.0		**45.7**	50.00	0	91.3	83	114	11/25/2024
Toluene		2.0		**49.0**	50.00	0	98.0	82.3	113	11/25/2024
trans-1,2-Dichloroethene		2.0		**49.0**	50.00	0	98.0	79.9	124	11/25/2024
Xylenes, Total		4.0		**137**	150.0	0	91.4	82.7	116	11/25/2024
Surr: 1,2-Dichloroethane-d4	*			**45.6**	50.00		91.2	80	120	11/25/2024
Surr: 4-Bromofluorobenzene	*			**45.4**	50.00		90.9	80	120	11/25/2024
Surr: Dibromofluoromethane	*			**51.5**	50.00		103.0	80	120	11/25/2024
Surr: Toluene-d8	*			**49.6**	50.00		99.2	80	120	11/25/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231669 **SampType:** LCSD Units µg/L RPD Limit 20

SampID: LCSD-AE241125A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**45.8**	50.00	0	91.6	48.79	6.30	11/25/2024
Bromoform		2.0		**50.7**	50.00	0	101.4	49.78	1.79	11/25/2024
Ethylbenzene		2.0		**43.8**	50.00	0	87.5	46.80	6.69	11/25/2024
m,p-Xylenes		2.0		**86.0**	100.0	0	86.0	91.39	6.11	11/25/2024
Methylene chloride		2.0		**45.2**	50.00	0	90.5	47.28	4.41	11/25/2024
Naphthalene		5.0		**43.1**	50.00	0	86.1	42.21	2.02	11/25/2024
o-Xylene		2.0		**43.2**	50.00	0	86.4	45.66	5.51	11/25/2024
Toluene		2.0		**41.5**	50.00	0	82.9	49.02	16.69	11/25/2024
trans-1,2-Dichloroethene		2.0		**45.0**	50.00	0	89.9	49.02	8.66	11/25/2024
Xylenes, Total		4.0		**129**	150.0	0	86.1	137.0	5.91	11/25/2024
Surr: 1,2-Dichloroethane-d4	*			**45.6**	50.00		91.3			11/25/2024
Surr: 4-Bromofluorobenzene	*			**47.0**	50.00		94.1			11/25/2024
Surr: Dibromofluoromethane	*			**51.2**	50.00		102.5			11/25/2024
Surr: Toluene-d8	*			**45.0**	50.00		90.1			11/25/2024

Batch 231669 **SampType:** MS Units µg/L

SampID: 24112076-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.50		**50.2**	50.00	0	100.5	74.1	118	11/25/2024
Ethylbenzene		1.00		**50.4**	50.00	0	100.9	74.8	119	11/25/2024
m,p-Xylenes		1.00		**52.6**	50.00	0	105.2	77.8	128	11/25/2024
o-Xylene		1.00		**53.2**	50.00	0	106.3	75.8	118	11/25/2024
Toluene		2.00		**52.5**	50.00	0	105.0	74.4	115	11/25/2024
Xylenes, Total		2.00		**106**	100.0	0	105.8	76.8	123	11/25/2024
Surr: 1,2-Dichloroethane-d4	*			**46.0**	50.00		92.1	80	120	11/25/2024
Surr: 4-Bromofluorobenzene	*			**45.7**	50.00		91.5	80	120	11/25/2024
Surr: Dibromofluoromethane	*			**52.1**	50.00		104.1	80	120	11/25/2024
Surr: Toluene-d8	*			**50.5**	50.00		101.1	80	120	11/25/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231669 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24112076-019BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.50		**53.4**	50.00	0	106.8	50.25	6.12	11/25/2024
Ethylbenzene		1.00		**51.8**	50.00	0	103.6	50.43	2.70	11/25/2024
m,p-Xylenes		1.00		**54.3**	50.00	0	108.6	52.62	3.16	11/25/2024
o-Xylene		1.00		**53.1**	50.00	0	106.2	53.16	0.13	11/25/2024
Toluene		2.00		**51.4**	50.00	0	102.7	52.51	2.19	11/25/2024
Xylenes, Total		2.00		**107**	100.0	0	107.4	105.8	1.52	11/25/2024
Surr: 1,2-Dichloroethane-d4	*			**47.2**	50.00		94.3			11/25/2024
Surr: 4-Bromofluorobenzene	*			**45.8**	50.00		91.6			11/25/2024
Surr: Dibromofluoromethane	*			**54.0**	50.00		108.0			11/25/2024
Surr: Toluene-d8	*			**48.0**	50.00		96.0			11/25/2024

Batch 231715 **SampType:** MBLK Units µg/L

SampID: MBLK-AE241125A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						11/25/2024
Bromoform		2.0		**ND**						11/25/2024
Ethylbenzene		2.0		**ND**						11/25/2024
m,p-Xylenes		2.0		**ND**						11/25/2024
Methylene chloride		2.0		**ND**						11/25/2024
Naphthalene		5.0		**ND**						11/25/2024
o-Xylene		2.0		**ND**						11/25/2024
Toluene		2.0		**ND**						11/25/2024
trans-1,2-Dichloroethene		2.0		**ND**						11/25/2024
Xylenes, Total		4.0		**ND**						11/25/2024
Surr: 1,2-Dichloroethane-d4	*			**46.2**	50.00		92.5	80	120	11/25/2024
Surr: 4-Bromofluorobenzene	*			**46.0**	50.00		91.9	80	120	11/25/2024
Surr: Dibromofluoromethane	*			**51.6**	50.00		103.2	80	120	11/25/2024
Surr: Toluene-d8	*			**48.4**	50.00		96.7	80	120	11/25/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231715 **SampType:** LCS Units µg/L

SampID: LCS-AE241125A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**50.4**	50.00	0	100.7	81.6	120	11/25/2024
Bromoform		2.0		**54.0**	50.00	0	108.0	81.5	118	11/25/2024
Ethylbenzene		2.0		**48.9**	50.00	0	97.8	82.4	116	11/25/2024
m,p-Xylenes		2.0		**96.7**	100.0	0	96.7	82.5	117	11/25/2024
Methylene chloride		2.0		**49.3**	50.00	0	98.6	75.3	122	11/25/2024
Naphthalene		5.0		**45.2**	50.00	0	90.4	71	126	11/25/2024
o-Xylene		2.0		**48.5**	50.00	0	97.1	83	114	11/25/2024
Toluene		2.0		**47.1**	50.00	0	94.2	82.3	113	11/25/2024
trans-1,2-Dichloroethene		2.0		**49.6**	50.00	0	99.3	79.9	124	11/25/2024
Xylenes, Total		4.0		**145**	150.0	0	96.8	82.7	116	11/25/2024
Surr: 1,2-Dichloroethane-d4	*			**45.5**	50.00		91.1	80	120	11/25/2024
Surr: 4-Bromofluorobenzene	*			**46.7**	50.00		93.5	80	120	11/25/2024
Surr: Dibromofluoromethane	*			**51.5**	50.00		102.9	80	120	11/25/2024
Surr: Toluene-d8	*			**46.3**	50.00		92.6	80	120	11/25/2024

Batch 231715 **SampType:** LCSD Units µg/L RPD Limit **20**

SampID: LCSD-AE241125A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**48.9**	50.00	0	97.8	50.35	2.96	11/25/2024
Bromoform		2.0		**53.8**	50.00	0	107.6	54.01	0.39	11/25/2024
Ethylbenzene		2.0		**47.2**	50.00	0	94.4	48.88	3.45	11/25/2024
m,p-Xylenes		2.0		**93.5**	100.0	0	93.5	96.69	3.39	11/25/2024
Methylene chloride		2.0		**47.8**	50.00	0	95.5	49.28	3.11	11/25/2024
Naphthalene		5.0		**44.4**	50.00	0	88.8	45.19	1.72	11/25/2024
o-Xylene		2.0		**47.0**	50.00	0	94.1	48.54	3.16	11/25/2024
Toluene		2.0		**47.3**	50.00	0	94.6	47.11	0.40	11/25/2024
trans-1,2-Dichloroethene		2.0		**48.0**	50.00	0	96.0	49.64	3.40	11/25/2024
Xylenes, Total		4.0		**140**	150.0	0	93.7	145.2	3.31	11/25/2024
Surr: 1,2-Dichloroethane-d4	*			**45.3**	50.00		90.6			11/25/2024
Surr: 4-Bromofluorobenzene	*			**46.5**	50.00		93.0			11/25/2024
Surr: Dibromofluoromethane	*			**51.0**	50.00		102.1			11/25/2024
Surr: Toluene-d8	*			**47.6**	50.00		95.2			11/25/2024

Client: ERM **Work Order:** 24112076

Client Project: Ameren Taylorville 4th Qtr 2024 **Report Date:** 19-Dec-24

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

Batch 231715 **SampType:** MS Units **µg/L**

SampID: 24112076-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		5.00		**1570**	500.0	1091	96.7	74.1	118	11/26/2024
Ethylbenzene		10.0		**790**	500.0	318.7	94.4	74.8	119	11/26/2024
m,p-Xylenes		10.0		**575**	500.0	80.50	98.9	77.8	128	11/26/2024
o-Xylene		10.0		**676**	500.0	200.1	95.3	75.8	118	11/26/2024
Toluene		20.0		**658**	500.0	185.3	94.4	74.4	115	11/26/2024
Xylenes, Total		20.0		**1250**	1000	280.6	97.1	76.8	123	11/26/2024
Surr: 1,2-Dichloroethane-d4	*			**463**	500.0		92.5	80	120	11/26/2024
Surr: 4-Bromofluorobenzene	*			**461**	500.0		92.2	80	120	11/26/2024
Surr: Dibromofluoromethane	*			**528**	500.0		105.6	80	120	11/26/2024
Surr: Toluene-d8	*			**486**	500.0		97.3	80	120	11/26/2024

Batch 231715 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24112076-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		5.00		**1610**	500.0	1091	103.7	1575	2.19	11/26/2024
Ethylbenzene		10.0		**828**	500.0	318.7	101.8	790.5	4.62	11/26/2024
m,p-Xylenes		10.0		**594**	500.0	80.50	102.7	575.1	3.27	11/26/2024
o-Xylene		10.0		**704**	500.0	200.1	100.9	676.4	4.06	11/26/2024
Toluene		20.0		**671**	500.0	185.3	97.1	657.5	2.00	11/26/2024
Xylenes, Total		20.0		**1300**	1000	280.6	101.8	1252	3.69	11/26/2024
Surr: 1,2-Dichloroethane-d4	*			**456**	500.0		91.3			11/26/2024
Surr: 4-Bromofluorobenzene	*			**460**	500.0		92.1			11/26/2024
Surr: Dibromofluoromethane	*			**522**	500.0		104.5			11/26/2024
Surr: Toluene-d8	*			**484**	500.0		96.9			11/26/2024

Receiving Check List

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2024

Work Order: 24112076

Report Date: 19-Dec-24

Carrier: Marshall Arendell

Received By: NR

Completed by: Mary E Kemp
On: 22-Nov-24

Reviewed by: Ellie Hopkins
On: 25-Nov-24

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 2.7
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☑	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

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

Trip Blank collection date and time will be reported as the received date and time (end of trip). - mkemp - 11/22/2024 5:12:39 PM

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

CHAIN OF CUSTODY

pg. 1 of 3 Work order # 24112076

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 2.7 °C LTG# 3

Preserved in: ☐ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes: OK HS MEK 11/22/24

Client Comments Report QC LVL: 3

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 4th Qtr 2024

Sample Collector's Name: Marshall Arendell

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
24112076-001	GW-04R-WG-20241122	11/22/24 1105	1	2		X		X	X
002	GW-05-WG-20241120	11/20/24 1015	1	2		X		X	X
003	GW-07-WG-20241121	11/21/24 1400	1	2		X		X	X
004	GW-14-WG-20241121	11/21/24 1220	1	2		X		X	X
005	GW-15-WG-20241122	11/22/24 0935	1	2		X		X	X
006	GW-16S-WG-20241120	11/20/24 0910	1	2		X		X	X
007	GW-16D-WG-20241120	11/20/24 1210	1	2		X		X	X
008	GW-17-WG-20241120	11/20/24 1345	1	2		X		X	X
009	GW-18S-WG-20241120	11/20/24 1435	1	2		X		X	X
010	GW-18D-WG-20241120	11/20/24 1535	1	2		X		X	X

Relinquished By	Date/Time	Received By	Date/Time
Marshall Arendell	11/22/24 1640	Nick Koch	11/22/24 1640

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: 95070

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

CHAIN OF CUSTODY

pg. 2 of 3 Work order # 241/2076

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: 3

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 4th Qtr 2024	Marshall Arendell

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
2411/2076-011	GW-19S-WG-20241119	11/19/24 1505	1	2		X		X	X
012	GW-19D-WG-20241119	11/19/24 1435	1	2		X		X	X
013	GW-20-WG-20241119	11/19/24 1230	1	2		X		X	X
	GW-21-WG-202408		1	2		X		X	X
014	GW-22S-WG-20241121	11/21/24 1555	1	2		X		X	X
015	GW-22D-WG-20241121	11/21/24 1530	1	2		X		X	X
016	DUP-001-WG-20241121	11/21/24 0001	1	2		X		X	X
	FB-001-WQ-202411		1	2	X			X	X
017	TB-001-WQ-20241119	11/19/24 1220 1600		2			X		X
	TB-002-WQ-202411__			2			X		X

Relinquished By	Date/Time	Received By	Date/Time
Marshall Arendell	11/22/24 1640	Nick Reed	11/22/24 1640

BottleOrder: 95070

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

CHAIN OF CUSTODY

pg. 3 of 3 Work order # 24112076

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: 3

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 4th Qtr 2024

Sample Collector's Name: Marshall Arendell

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
24112076-018	DUP-002-WG-202411~~22~~	11/22/24 0002	1	2		X		X	X
	~~FB-002-WQ-202411__~~		1	2	X			X	X
	~~DUP-003-WG-202411__~~	(no)	1	2		X		X	X (no)
019	GW-25-WG-202411 21	11/21/24 1035	1	2		X		X	X
020	GW-26-WG-202411 20	11/20/24 1055	1	2		X		X	X
021	EQB-001-WQ-202411 19	11/19/24 1200	1	2	X			X	X
022	EQB-002-WQ-202411 22	11/22/24 1045	1	2	X			X	X

Relinquished By	Date/Time	Received By	Date/Time
Marshall Arendell	11/22/24 1640	Trish Reed	11/22/24 1640

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: 95070

ATTACHMENT B GROUNDWATER ELEVATION SUMMARY

Attachment B
Groundwater Elevation Summary
Quarter 4 2024
Ameren Taylorville
Taylorville, Illinois

Monitoring Well Number	Total Depth (feet)	Screened Interval (feet)	TOC Elevation (NAVD88)	Measured 11/19/2024	
				WL Below TOC (feet)	Elevation (feet NAVD88)
GW-4R	26.00	16.00-26.00	619.22	19.01	600.21
GW-5	61.00	51.00-61.00	620.97	17.40	603.57
GW-7	90.00	80.00-90.00	618.59	19.05	599.54
GW-14	94.00	84.00-94.00	619.07	19.14	599.93
GW-15	90.00	80.00-90.00	618.88	19.01	599.87
GW-16D	91.00	81.00-91.00	616.38	16.8	599.58
GW-16S	35.00	25.00-35.00	616.5	16.84	599.66
GW-17	35.00	25.00-35.00	614.6	15.03	599.57
GW-18D	84.00	74.00-84.00	604.32	3.38	600.94
GW-18S	25.00	15.00-25.00	602.05	3.30	598.75
GW-19D	82.50	72.50-82.50	606.9	7.76	599.14
GW-19S	22.00	11.00-22.00	606.7	7.72	598.98
GW-20	9.50	8.50-9.50	588.14	4.68	583.46
GW-22D	89.00	79.00-89.00	617.05	17.41	599.64
GW-22S	35.00	25.00-35.00	617.16	17.32	599.84
GW-25	29.91	19.91-29.91	611.01	11.04	599.97
GW-26	34.82	24.82-34.82	615.79	16.10	599.69

Notes:

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

ATTACHMENT C SUMMARY OF FOURTH QUARTER 2024 ANALYTICAL RESULTS

Attachment C
Analytical Data Summary
Q4 2024
Ameren Taylorville
Taylorville, Illinois

		Location	GW-4R		GW-5	GW-7	GW-14	GW-15	GW-16D	GW-16S	GW-17	GW-18D	GW-18S	GW-19D
		Sample Date	11/22/2024	11/22/2024	11/20/2024	11/21/2024	11/21/2024	11/22/2024	11/20/2024	11/20/2024	11/20/2024	11/20/2024	11/20/2024	11/19/2024
		Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N
		Depth	16 - 26	16 - 26	50.75 - 61	80 - 90	84 - 94	80 - 90	81 - 91	25 - 35	25 - 35	74 - 84	15 - 25	72.5 - 82.5
Analyte	**Unit**	**USEPA ROD 1992 CUOs**												
SW8260B														
Benzene	ug/L	5	**1030**	**1090**	< 0.50	< 0.50	< 0.50	< 0.50	**0.41 j**	< 0.50	< 0.50	**0.10 j**	< 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	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	**306**	**319**	< 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	**79.3**	**80.5**	< 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	< 20.0	< 20.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	**1120**	**1160**	**4.04**	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	**188**	**200**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	**171**	**185**	< 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	< 20.0	< 20.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	**0.36 j**	< 2.00	< 2.00
Xylene, Total	ug/L	10000	**267**	**281**	< 2.00	< 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	**0.0341**	**0.0323**	< 0.000100	**0.000233**	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	**0.0133**	**0.0172**	< 0.000100	**0.000177**	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	**0.0135**	**0.0158**	< 0.000300	**0.00187**	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	**0.0122**	**0.0157**	< 0.000100	**0.000229**	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	**0.00177**	**0.00230**	< 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	**0.0172**	**0.0211**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	**0.00406 J**	**0.00584 J**	< 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	**0.00464 J**	**0.00720 J**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00200	< 0.00200	< 0.00200	**0.00352**	**0.00531**	< 0.00200	**0.00201**	< 0.00200	< 0.00200	**0.00383**	**0.00260**	< 0.00200
Chrysene	mg/L	0.0015	**0.0232**	**0.0281**	< 0.000200	**0.000242**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	**0.00222**	**0.00289**	< 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	< 0.0100
Fluoranthene	mg/L	0.28	**0.0430**	**0.0628**	< 0.000300	**0.00125**	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	**0.0927**	**0.0992**	< 0.000200	**0.000648**	< 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	**0.00449**	**0.00598**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	**0.0029 j**	**0.0022 j**	< 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	**0.809**	**0.876**	< 0.000400	**0.00496**	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
o-Cresol	mg/L	0.35	**0.0026 j**	**0.0020 j**	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Phenanthrene	mg/L	0.21	**0.145**	**0.214**	< 0.000600	**0.00059 j**	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	**0.0366**	**0.0441**	< 0.000200	**0.00302**	< 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
NA = not analyzed
NS = no standard

Validated Qualifier Definition(s)

Analysis performed by TEKLAB
Validation Level = EPA-STAGE2A
j = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
H= Analysis performed outside of holding time
Validation Level = EPA-STAGE3
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
R= Sample results are rejected

Attachment C
Analytical Data Summary
Q4 2024
Ameren Taylorville
Taylorville, Illinois

		Location	GW-19S	GW-20	GW-22D	GW-22S		GW-25	GW-26	EQB-001	EQB-002	TRIP BLANK
		Sample Date	11/19/2024	11/19/2024	11/21/2024	11/21/2024	11/21/2024	11/21/2024	11/20/2024	11/22/2024	11/22/2024	11/22/2024
		Sample Type	N	N	N	N	FD	N	N	EB	EB	TB
		Depth	12 - 22	4.5 - 9.5	79 - 89	25 - 35	25 - 35	18 - 28	26 - 36			
Analyte	**Unit**	**USEPA ROD 1992 CUOs**										
SW8260B												
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	**3.23**	**3.07**	< 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	**0.12 j**	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 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	< 2.00	**4.25**	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 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
SW846 8270C												
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	<0.000111 HR	NA
Acenaphthylene	mg/L	0.21	< 0.000100	**0.000192**	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	<0.000111 HR	NA
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	<0.000333 HR	NA
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	**0.000205**	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	<0.000111 HR	NA
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	**0.000535**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	<0.000222 HR	NA
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	**0.000710**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	<0.000222 HR	NA
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	**0.000832**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	<0.000222 HR	NA
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	**0.00018 j**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	<0.000222 HR	NA
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00200	< 0.00200	< 0.00200	**0.0018 j**	**0.00279**	< 0.00200	< 0.00200	< 0.00200	<0.00222 HR	NA
Chrysene	mg/L	0.0015	< 0.000200	**0.000247**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	<0.000222 HR	NA
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	<0.000222 HR	NA
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	<0.0111 HR	NA
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	<0.000333 HR	NA
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	<0.000222 HR	NA
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	**0.000492**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	<0.000222 HR	NA
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	<0.0111 HR	NA
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	<0.000444 HR	NA
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	<0.0111 HR	NA
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	<0.000667 HR	NA
Pyrene	mg/L	0.21	< 0.000200	**0.000422**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	<0.000222 HR	NA

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank

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

USEPA ROD 1992 CUOs = United States Environmental
NA = not analyzed
NS = no standard

Validated Qualifier Definition(s)

Analysis performed by TEKLAB
Validation Level = EPA-STAGE2A
j = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
H= Analysis performed outside of holding time
Validation Level = EPA-STAGE3
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
R= Sample results are rejected

ATTACHMENT D SUMMARY OF HISTORICAL ANALYTICAL RESULTS

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-01 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/19/2020	Result 5/14/2020	Result 8/13/2020	Result 11/11/2020	Result 2/24/2021	Result 5/13/2021	Result 8/11/2021	Result 11/9/2021	Result 2/16/2022	Result 5/10/2022	Result 9/8/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001 B	< 0.000222	< 0.0003	< 0.0003	< 0.0003	NA	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	NA	**0.000074 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.00148 C	< 0.002 C	< 0.002 C	< 0.002	NA	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000222	< 0.0003	< 0.0003	< 0.0003	NA	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000148	< 0.0002	< 0.0002	< 0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001 B	< 0.000074	< 0.0001	< 0.0001	< 0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000296	< 0.0004	< 0.0004	< 0.0004	NA	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000444	< 0.0006	< 0.0006	**0.0007**	NA	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.000148	< 0.0002	< 0.0002	< 0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.37 J**	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.37 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
NA = Not analyzed due to laboratory error.

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-01 Analyte	Unit	USEPA ROD 1992 CUOs	Result 11/29/2022	Result 2/15/2023	Result 5/16/2023
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	**0.48 J**	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	**0.1 J**	< 2
Toluene	µg/L	1000	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
NA = Not analyzed due to laboratory error.

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-02 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/19/2020	Result 5/14/2020	Result (DUP) 5/14/2020	Result 8/14/2020	Result 11/11/2020	Result (DUP) 11/11/2020	Result 2/24/2021	Result 5/13/2021	Result 8/11/2021	Result 11/9/2021	Result 2/16/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001 B	< 0.000254	< 0.000254	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000074 J**	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000169	< 0.000169	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.00726**	< 0.00169 C	< 0.00169 C	**0.0225 C**	< 0.002 C	< 0.002 C	**0.00364 C**	**0.00206**	**0.0195**	< 0.002 B	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00847	< 0.00847	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000254	< 0.000254	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000169	< 0.000169	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001 B	< 0.000085	< 0.000085	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00847	< 0.00847	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00847	< 0.00847	< 0.01	< 0.0004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000339	< 0.000339	< 0.0004	< 0.01	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000508	< 0.000508	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.000169	< 0.000169	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.35 J**	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2 B	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.35 J**	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-02 Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/10/2022	Result 9/8/2022	Result 11/30/2022	Result (DUP) 11/30/2022	Result 2/15/2023	Result 5/16/2023
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.00008 J**	**0.00171 H**
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.00043**	**0.0036 H**
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.00027	< 0.0003 H
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.00009	< 0.0001 H
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00018	< 0.0002 H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.00009	< 0.0001 H
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00018	< 0.0002 H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.00009	< 0.0001 H
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	**0.0108 S**	< 0.002	< 0.002	**0.00431**	< 0.002 H
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.00009	< 0.0001 H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00018	< 0.0002 H
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00896	< 0.01 H
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.00027	< 0.0003 H
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.00033**	**0.00016 JH**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00018	< 0.0002 H
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00896	< 0.01 H
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00896	< 0.0004 H
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	**0.00448**	< 0.01 H
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.00054	< 0.0006 H
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00018	< 0.0002 H
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	**1.23**	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	**0.53 J**	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	**0.36 J**	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	**0.47 J**	**0.46 BJ**	**7.22**	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	**1.21**	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	**0.15 J**	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	**1.6 J**	< 2

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

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-03 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/19/2020	Result 5/12/2020	Result 8/14/2020	Result 11/10/2020	Result 2/24/2021	Result (DUP) 2/24/2021	Result 5/13/2021	Result 8/11/2021	Result 11/9/2021	Result 2/16/2022	Result 5/12/2022
Acenaphthene	mg/L	0.42	**0.000844**	**0.00117**	**0.00139**	**0.000473**	**0.00078**	**0.000795**	**0.000597**	**0.000938**	**0.000681**	**0.00064**	**0.00114**
Acenaphthylene	mg/L	0.21	**0.00292**	**0.0042 J**	**0.00501**	**0.00183**	**0.00346**	**0.00309**	**0.00245**	**0.00292**	**0.00242**	**0.00245**	**0.00419**
Anthracene	mg/L	2.1	**0.000154**	**0.00017 J**	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	**0.00024 J**	**0.00023 J**	< 0.0003	**0.00025 J**
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000082	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000082	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000082	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000164	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000082	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.0109**	< 0.00164 C	**0.0461 C**	< 0.002 C	**0.00316**	< 0.002	**0.0018 J**	< 0.002	**0.0019 BJ**	**0.00277**	**0.0029**
Chrysene	mg/L	0.0015	< 0.0001	< 0.000082	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000082	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.0082	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.000421**	**0.000306**	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	**0.00186**	**0.00274**	**0.00314**	**0.0012**	**0.00228**	**0.00235**	**0.00159**	**0.00262**	**0.00178**	**0.00175**	**0.0029**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000081 J**	< 0.000082	**0.000071 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.0082	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.0082	< 0.01	< 0.0100	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	**0.153**	**0.521**	**0.587**	**0.128**	**0.239**	**0.181**	**0.202 S**	**0.157**	**0.129**	**0.0873**	**0.329 S**
Phenanthrene	mg/L	0.21	**0.000613**	**0.000971**	**0.0011**	**0.000605**	**0.001080**	**0.000925**	**0.000769**	**0.00127**	**0.000785**	**0.000776**	**0.00143**
Pyrene	mg/L	0.21	**0.000819**	**0.000661**	**0.000298**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	**24**	**50.1**	**47.1**	**16.2**	**23.6**	**22.8**	**10.4**	**24.2**	**11.2**	**13.3**	**24.6**
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 20
Ethylbenzene	µg/L	700	**12.7**	**42.6**	**40.5**	**21.6**	**32.4**	**31.6**	**12.5**	**37.9**	**13.2**	**15.9**	**27.7**
m,p-Xylenes	µg/L	NS	**41.6**	**135**	**76**	**9.33**	**25.8**	**25.5**	**6.19**	**16.4**	**3.16**	**3.42**	**31.9**
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 20
Naphthalene	µg/L	25	**654**	**1000**	**842**	**924**	**421**	**425**	**285 E**	**511**	**224**	**161**	**375**
o-Xylene	µg/L	NS	**52.2**	**124**	**107**	**31**	**41.7**	**40.7**	**15.7**	**38**	**13.8**	**12.5**	**40.2**
Toluene	µg/L	1000	**6.2**	**21.8**	**11.5**	**2.34**	**5.63**	**5.52**	**1.3 J**	**4.37**	**2 J**	**1.1 J**	**9.3 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 20
Xylenes, Total	µg/L	10000	**93.9**	**259**	**183**	**40.4**	**67.5**	**66.2**	**21.9**	**54.4**	**17**	**15.9**	**72.1**

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

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-03 Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/8/2022	Result (DUP) 9/8/2022	Result 11/30/2022	Result 2/15/2023	Result 5/18/2023
Acenaphthene	mg/L	0.42	**0.000699**	**0.000717**	**0.000207**	**0.00243**	**0.000196 H**
Acenaphthylene	mg/L	0.21	**0.00275**	**0.00276**	**0.00093**	**0.00427**	**0.000914 H**
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003 S	< 0.0003	< 0.0003 H
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.0018 J**	**0.0015 J**	< 0.002 S	**0.00314**	< 0.002 H
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01 S	< 0.01	< 0.01 H
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003 S	< 0.0003	< 0.0003 H
Fluorene	mg/L	0.28	**0.00188**	**0.00184**	**0.000851**	< 0.0002	0.00061 H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002 S	< 0.0002	< 0.0002 H
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H
Naphthalene	mg/L	0.025	**0.114**	**0.133**	**0.0112 S**	**0.0004 J**	**0.0128 H**
Phenanthrene	mg/L	0.21	**0.00109**	**0.00103**	< 0.0006 S	< 0.0006	< 0.0006 H
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002 S	< 0.0002	< 0.0002 H
Benzene	µg/L	5	**8.58**	**11**	**2.46 S**	< 0.5	**5.6**
Bromoform	µg/L	0.2	< 2	< 2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	**9.77**	**15**	**0.4 JS**	< 1	**3.95**
m,p-Xylenes	µg/L	NS	**1.57**	**2.01**	**0.32 JS**	< 1	**2.5**
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**143**	**192**	**13.3**	**0.54 J**	**37.8**
o-Xylene	µg/L	NS	**8.35**	**11**	**1.51 S**	< 1	**6.58**
Toluene	µg/L	1000	**0.74 J**	**1 J**	**0.14 JS**	< 2	**0.9 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	**9.92**	**13**	**1.8 JS**	< 2	**9.08**

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

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-04 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/18/2020	Result 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result 2/24/2021	Result 5/13/2021	Result (DUP) 5/13/2021	Result 8/12/2021	Result - DUP 8/12/2021	Result 11/9/2021	Result 2/17/2022
Acenaphthene	mg/L	0.42	**0.0133**	**0.0212**	**0.0284**	**0.0148**	**0.0175**	**0.026**	**0.026**	**0.022**	**0.0239**	**0.0274**	**0.0316**
Acenaphthylene	mg/L	0.21	**0.00336**	< 0.000075	**0.00407**	**0.00144**	**0.00147**	**0.00229**	**0.00303**	**0.00618**	**0.00584**	**0.00531**	**0.00244**
Anthracene	mg/L	2.1	**0.000775**	< 0.000226	**0.000868**	**0.000536**	**0.000792**	**0.000654**	**0.00109**	**0.000745**	**0.000691**	**0.00093**	**0.0012**
Benzo(a)anthracene	mg/L	0.00013	**0.000102**	**0.000086**	**0.000113**	**0.000142**	**0.000133**	**0.000186**	**0.000261**	**0.000158**	**0.000173**	**0.000214**	**0.000104**
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	**0.0001**	**0.000059 J**	< 0.0001	**0.000139**	**0.000120**	**0.000229**	**0.000376**	**0.000125**	**0.000192**	**0.000226**	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.00015	< 0.0002	**0.00005 J**	< 0.00020	< 0.00020	**0.00019 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	**0.000077 J**	**0.000124**	< 0.0001	< 0.0001	**0.00007 J**	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.0015 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002
Chrysene	mg/L	0.0015	**0.000284**	**0.000235**	**0.000313**	**0.000401**	**0.000334**	**0.000493**	**0.000747**	**0.000491**	**0.000501**	**0.000754**	**0.000200**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00752	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00349**	**0.00315**	**0.00366**	**0.00265**	**0.0029**	**0.00334**	**0.0045**	**0.00379**	**0.00404**	**0.00397**	**0.00375**
Fluorene	mg/L	0.28	**0.0464**	**0.0694**	**0.0777**	**0.0399**	**0.0607**	**0.0733**	**0.0735**	**0.0689**	**0.0776**	**0.07**	**0.0906**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000092 J**	< 0.000075	**0.000073 J**	< 0.0001	< 0.0002	< 0.0002	**0.00018 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 1	**0.0017 J**	**0.0081 J**	**0.00075 J**	**0.0086 J**	**0.0164**	**0.022**	**0.007 J**	**0.0083 J**	< 0.01	**0.0023 J**
o-Cresol	mg/L	0.35	< 1	< 0.752	**0.0161**	< 0.0100	**0.0123**	**0.0209**	**0.0244**	**0.0095 J**	**0.0074 J**	< 0.01	**0.0059 J**
Naphthalene	mg/L	0.025	**1.37**	**1.69**	**1.89**	**1.50**	**1.53**	**1.82**	**1.86**	**1.62**	**1.75**	**2.43**	**1.82**
Phenanthrene	mg/L	0.21	**0.0422**	**0.0537**	**0.0681**	**0.0383**	**0.0576**	**0.0674**	**0.0647**	**0.0562**	**0.0609**	**0.0542**	**0.0801**
Pyrene	mg/L	0.21	**0.00161**	**0.00141**	**0.00176**	**0.00143**	**0.00149**	**0.00143**	**0.00219**	**0.00184**	**0.00184**	**0.0019**	**0.00177**
Benzene	µg/L	5	**535 S**	**739**	**450**	**399**	**632**	**341**	**775**	**652**	**658**	**798**	**1150**
Bromoform	µg/L	0.2	< 2	< 20	< 2	< 2	< 2	< 100	< 20	< 100	< 2	< 200	< 2
Ethylbenzene	µg/L	700	**173**	**246**	**200**	**180**	**155**	**104**	**216**	**235**	**243**	**331**	**476**
m,p-Xylenes	µg/L	NS	**159**	**204**	**192**	**168**	**165**	**80.5**	**158**	**135**	**146**	**166**	**108**
Methylene chloride	µg/L	0.2	< 2	< 20	< 2	< 2	< 2	< 100	< 20	< 100	< 2	< 200	< 2
Naphthalene	µg/L	25	**3570**	**5560**	**4700 E**	**4130**	**2790**	**1510**	**3150**	**3020**	**3020**	**3520**	**2530**
o-Xylene	µg/L	NS	**115**	**154**	**135**	**192**	**140**	**67**	**137**	**108**	**118**	**178**	**241**
Toluene	µg/L	1000	**312 S**	**579**	**407**	**125**	**208**	**184**	**409**	**256**	**255**	**216**	**90.5**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 20	< 2	< 2	< 2	< 100	< 20	< 100	< 2	< 200	< 2
Xylenes, Total	µg/L	10000	**274**	**358**	**327**	**359**	**304**	**148**	**295**	**243**	**265**	**344**	**350**

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-04 Analyte	Unit	USEPA ROD 1992 CUOs	Result - DUP 2/17/2022	Result 5/12/2022	Result - DUP 5/12/2022	Result 9/8/2022	Result 11/30/2022	Result 2/15/2023	Result - DUP-003 2/15/2023	Result 5/18/2023	Result - DUP 5/18/2023	Result 9/13/2023	Result - DUP 9/13/2023
Acenaphthene	mg/L	0.42	**0.0348**	**0.0339**	**0.0437**	**0.0404**	**0.00135**	**0.0348**	**0.0334**	**0.0190 H**	**0.0241 H**	**0.0290**	**0.0299**
Acenaphthylene	mg/L	0.21	**0.0029**	**0.00893**	**0.0101**	**0.00446**	**0.00447**	**0.00218**	**0.00195**	**0.000868 H**	**0.00117 H**	**0.00144**	**0.00154**
Anthracene	mg/L	2.1	**0.000864**	< 0.0003	< 0.0003	**0.000749**	**0.00241**	**0.00093**	**0.000616**	**0.000346 H**	**0.000476 H**	**0.000854**	**0.000802**
Benzo(a)anthracene	mg/L	0.00013	**0.000085 J**	< 0.0001	0.000115	**0.00009 J**	**0.00194**	**0.00015**	**0.000109**	< 0.0001 H	**0.000072 JH**	**0.000096 J**	**0.000078 J**
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	**0.00012 J**	< 0.0002	**0.00017 J**	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	**0.000084 J**	< 0.0001	**0.000128**	< 0.0001	**0.00252**	**0.0001**	**0.00007 J**	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000544**	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000697**	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	**0.002 J**	< 0.002	< 0.002	< 0.002 H	< 0.002 H	< 0.002	< 0.002
Chrysene	mg/L	0.0015	**0.000196**	**0.00013**	**0.00022**	**0.000241**	**0.00674**	**0.00051**	**0.000385**	**0.00021 H**	**0.00017 H**	**0.000209**	**0.000187**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000256**	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00357**	**0.00289**	**0.00383**	**0.00414**	**0.021**	**0.00489**	**0.00457**	**0.00257 H**	**0.00276 H**	**0.00460**	**0.00444**
Fluorene	mg/L	0.28	**0.0765**	**0.0847**	**0.104**	**0.0853**	**0.0841**	**0.08**	**0.0801**	**0.0397 H**	**0.0537 H**	**0.0616**	**0.0538**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000588**	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	**0.0018 J**	**0.0046 J**	**0.0068 J**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01
o-Cresol	mg/L	0.35	**0.0035 J**	**0.058 J**	**0.008 J**	< 0.01	< 0.01	< 0.01	< 0.01	**0.00090 JH**	**0.00098 JH**	< 0.01	< 0.01
Naphthalene	mg/L	0.025	**1.82 J**	**2.77**	**3.54**	**2.8**	**1.5**	**1.83**	**1.86**	< 0.0004 H	**0.398 H**	**0.410**	**0.446**
Phenanthrene	mg/L	0.21	**0.075**	**0.0715**	**0.0888**	**0.0799**	**0.142**	**0.0722**	**0.0735**	**0.0148 H**	**0.0461 H**	**0.0694**	< 0.15
Pyrene	mg/L	0.21	**0.00174**	**0.00131**	**0.00184**	**0.00176**	**0.0124**	**0.00208**	**0.00203**	**0.000948 H**	**0.00102 H**	**0.00225**	**0.00227**
Benzene	µg/L	5	**1180**	**1100**	**1070**	**670**	**895**	**609**	**612**	**341**	**364**	**235**	**241**
Bromoform	µg/L	0.2	< 2	< 100	< 100	< 20	< 2	< 10	< 0.2	< 2	< 10	< 2	< 2
Ethylbenzene	µg/L	700	**500**	**312**	**330**	**249**	**304**	**250**	**250**	**186**	**184**	**144**	**144**
m,p-Xylenes	µg/L	NS	**104**	**225**	**229**	**112**	**56.6**	**63.5**	**64.5**	**39.3**	**48 J**	**19.1**	**20.8**
Methylene chloride	µg/L	0.2	< 2	< 100	< 100	< 20	< 20	< 100	< 2	**38.3**	< 100	< 20	**10 J**
Naphthalene	µg/L	25	**2620**	**3550**	**3350**	**3540**	**2340**	**2380**	**2490**	**1580**	**1480**	**814**	**740**
o-Xylene	µg/L	NS	**244**	**176**	**184**	**157**	**187**	**136**	**148**	**93.4**	**100**	**80.3**	**82.1**
Toluene	µg/L	1000	**94.6**	**338**	**357**	**104**	**100**	**72 J**	**70.8**	**30.5**	**42 J**	**14 J**	**15 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 100	< 100	< 20	< 20	< 100	< 2	< 20	< 100	< 20.0	< 20
Xylenes, Total	µg/L	10000	**347**	**400**	**412**	**269**	**243**	**199**	**213**	**133**	**148**	**99.4**	**103**

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µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
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Taylorville, Illinois

GW-04 Analyte	Unit	USEPA ROD 1992 CUOs	Result 10/27/2023	Result - DUP 10/27/2023	Result 2/15/2024	Result - DUP 2/15/2024	Result 5/10/2024	Result - DUP 5/10/2024
Acenaphthene	mg/L	0.42	**0.0330**	**0.0373**	**0.0308**	**0.0293**	**0.0171**	**0.0203**
Acenaphthylene	mg/L	0.21	**0.00163**	**0.00183**	**0.00242**	**0.00226**	**0.0062** J	**0.0056** J
Anthracene	mg/L	2.1	**0.00092**	**0.00135**	**0.000936**	**0.000831**	**0.00122**	**0.00153**
Benzo(a)anthracene	mg/L	0.00013	**0.000570**	**0.000620**	**0.000113**	**0.000109**	**0.000205**	**0.000204**
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	0.000557	**0.000591**	< 0.0001	**0.000092** J	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	**0.000116**	**0.000139**	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 B
Chrysene	mg/L	0.0015	**0.00217**	**0.00233**	**0.000279**	**0.000276**	**0.000455**	**0.000436**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00893**	< 0.015	**0.00472**	**0.00417**	< **0.03**	< **0.03**
Fluorene	mg/L	0.28	**0.0573**	**0.0802**	**0.0719**	**0.0706**	**0.0672**	**0.0691**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	**0.00079** J	**0.001** J	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	**0.001** J	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	**0.343**	**0.414**	**0.839**	**0.634**	**1.02**	**1.38**
Phenanthrene	mg/L	0.21	**0.0669**	**0.0915**	**0.0716**	**0.0726**	**0.0679**	**0.0648**
Pyrene	mg/L	0.21	**0.00411**	**0.00465**	**0.00225**	**0.00159**	**0.00362**	**0.00374**
Benzene	µg/L	5	**346**	**392**	**1380**	**1500**	**1130**	**999** S
Bromoform	µg/L	0.2	< 2	< 0.2	< 5	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	**117**	**159**	**322**	**369**	**295**	**261**
m,p-Xylenes	µg/L	NS	**14.7**	**19.7**	**124**	**145**	**226**	**216**
Methylene chloride	µg/L	0.2	< **20**	< 2	< 50	< 20	< 2	< 2
Naphthalene	µg/L	25	**510**	**531**	**1700**	**1940**	**2300** E	**2220** E
o-Xylene	µg/L	NS	**62**	**80.8**	**182**	**203**	**196**	**188**
Toluene	µg/L	1000	**24.8**	**34.8**	**320**	**378**	**132**	**125**
trans-1,2-Dichloroethene	µg/L	100	< 20	< 2	< 50	< 20	< 2	< 2
Xylenes, Total	µg/L	10000	**76.7**	**101**	**306**	**348**	**422**	**403**

Notes:
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R = RPD outside accepted recovery limits
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-04 Analyte	Unit	USEPA ROD 1992 CUOs	Result 8/30/2024	Result - DUP 8/30/2024	Result 11/22/2024	Result - DUP 11/22/2024
Acenaphthene	mg/L	0.42	**0.0203**	**0.0217**	**0.0341**	**0.0323**
Acenaphthylene	mg/L	0.21	**0.0034 J**	**0.0037 J**	**0.0133**	**0.0172**
Anthracene	mg/L	2.1	**0.0018**	**0.00201**	**0.0135**	**0.0158**
Benzo(a)anthracene	mg/L	0.00013	**0.000267**	**0.000251**	**0.0122**	**0.0157**
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	**0.00177**	**0.00230**
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0002	< 0.0002	**0.0172**	**0.0211**
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	**0.00406**	**0.00584**
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0002	< 0.0002	**0.00464**	**0.00720**
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	**0.0047**	< 0.002	< 0.002
Chrysene	mg/L	0.0015	**0.000541**	**0.000585**	**0.0232**	**0.0281**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	**0.00222**	**0.00289**
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.015	< 0.015	**0.043**	**0.0628**
Fluorene	mg/L	0.28	**0.0888**	**0.0955**	**0.0927**	**0.0992**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	**0.00449**	**0.00598**
m,p-Cresol	mg/L	0.35	**0.0037 J**	< 0.01	**0.0029 J**	**0.0022 J**
o-Cresol	mg/L	0.35	**0.0043 J**	**0.0046 J**	**0.0026 J**	**0.0020 J**
Naphthalene	mg/L	0.025	**1.22**	**1.04**	**0.809**	**0.876**
Phenanthrene	mg/L	0.21	**0.0810**	**0.0868**	**0.145**	**0.214**
Pyrene	mg/L	0.21	**0.00453**	**0.00444**	**0.0366**	**0.0441**
Benzene	µg/L	5	**1150**	**1180**	**1030**	**1090**
Bromoform	µg/L	0.2	< 4	< 4	< 2	< 2
Ethylbenzene	µg/L	700	**261**	**261**	**306**	**319**
m,p-Xylenes	µg/L	NS	**119**	**110**	**79.3**	**80.5**
Methylene chloride	µg/L	0.2	< 40	< 40	< 20	< 20
Naphthalene	µg/L	25	**1790**	**1730**	**1120**	**1160**
o-Xylene	µg/L	NS	**185**	**181**	**188**	**200**
Toluene	µg/L	1000	**159**	**153**	**171**	**185**
trans-1,2-Dichloroethene	µg/L	100	< 40	< 40	< 20	< 20
Xylenes, Total	µg/L	10000	**304**	**291**	**267**	**281**

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-05 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/20/2020	Result 5/12/2020	Result 8/13/2020	Result (DUP) 8/13/2020	Result 11/11/2020	Result 2/24/2021	Result 5/11/2021	Result 8/12/2021	Result 11/9/2021	Result 2/15/2022
Acenaphthene	mg/L	0.42	**0.000056 J**	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000233	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000075** J
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	**0.0101**	**0.00227 C**	**0.00286 C**	**0.00845 S**	**0.0087**	**0.00374**	**0.00627**	**0.00213 B**	< 0.0002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00775	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000233	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	0.000158	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00775	< 0.01	< 0.01	< 0.01 R	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00775	< 0.01	< 0.01	< 0.0100 S	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	**0.00366**	**0.00103**	< 0.0004	< 0.0004	**0.00159 S**	**0.00111**	< 0.0004	**0.00194**	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000465	< 0.0006	< 0.0006	< 0.0006	**0.000838**	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000155	< 0.0002	< 0.0002	< 0.0002	**0.000221**	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.18 J**	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	**0.25 J**	**0.22 J**	< 1	< 1	**1.21**	< 1
m,p-Xylenes	µg/L	NS	**0.18 J**	< 1	< 1	< 1	**0.29 J**	**0.2 J**	< 1	< 1	**0.99 J**	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**46.6**	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 H	< 2
o-Xylene	µg/L	NS	**0.11 J**	< 1	< 1	< 1	**0.17 JS**	**0.14 J**	< 1	< 1	**0.74 J**	< 1
Toluene	µg/L	1000	**0.17 J**	< 2	< 2	< 2	< 2	**0.12 J**	< 2	< 2	**0.3 J**	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	**0.29 J**	< 2	< 2	< 2	**0.46 J**	**0.34 J**	< 2	< 2	**1.7 J**	< 2

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µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-05 Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/10/2022	Result 9/7/2022	Result 11/29/2022	Result 2/13/2023	Result 5/16/2023	Result - DUP 5/16/2023	Result 9/13/2023	Result - DUP 9/13/2023	Result 10/25/2023
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.0002	**0.0017 J**	< 0.002	< 0.002	< 0.002	**0.00262**	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	**0.00066**	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.31 J**	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**1 J**	< 1	**1 J**	**0.49 BJ**	< 2	< 2	**1.4 J**	**11**	**0.93 J**
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.2 J**	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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C = RL shown is a client requested quantitation limit
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mg/L = milligrams per liter
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Attachment D
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Taylorville, Illinois

GW-05 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/13/2024	Result 5/7/2024	Result 8/29/2024	Result 11/20/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	**0.000074 J**	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.0020	< 0.0020	< 0.0020 B	< 0.0020
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	**0.0048 J**	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2.0	< 2.0	**2.1 J**	**4.04**
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Attachment D
Summary of Analytical Results 2020 - November 2024
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Taylorville, Illinois

GW-07 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/18/2020	Result 5/12/2020	Result 8/13/2020	Result 11/10/2020	Result 2/23/2021	Result 5/12/2021	Result 8/12/2021	Result 11/9/2021	Result 2/16/2022	Result 5/11/2022
Acenaphthene	mg/L	0.42	**0.000077 J**	**0.000063 J**	**0.000071 J**	**0.000076 J**	**0.000076 J**	**0.000118**	**0.000079 J**	**0.000136**	**0.000183**	**0.000145**
Acenaphthylene	mg/L	0.21	**0.000116**	**0.000098**	**0.000105**	**0.000142**	**0.000168**	**0.000117**	**0.000137**	**0.000186**	**0.000251**	**0.000149**
Anthracene	mg/L	2.1	**0.000877**	**0.00069**	**0.000772**	**0.0012**	**0.00144**	**0.00119**	**0.00124**	**0.00146**	**0.00144**	**0.00153**
Benzo(a)anthracene	mg/L	0.00013	**0.000164**	**0.000141**	**0.000168**	**0.000155**	**0.000119**	**0.000161**	**0.000186**	**0.000235**	**0.000185**	**0.000182**
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	**0.000057 J**	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000144	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.011**	**0.0022 C**	**0.00202 C**	**0.00655**	**0.00975**	**0.00732**	**0.00233**	**0.00403 S**	**0.00290**	**0.00471**
Chrysene	mg/L	0.0015	**0.000116**	**0.000101**	**0.00014**	**0.000112**	**0.000082** J	**0.000102**	**0.000122**	**0.00017**	**0.000177**	**0.000163**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00719	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00113**	**0.000996**	**0.000951**	**0.00119**	**0.00131**	**0.00136**	**0.00146**	**0.00164**	**0.00147**	**0.00169**
Fluorene	mg/L	0.28	**0.000235**	**0.000165**	**0.000205**	**0.000278**	**0.000295**	**0.000343**	**0.000305**	**0.00039**	**0.000516**	**0.000368**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000072	**0.000076 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00719	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00719	< 0.01	< 0.01	< 0.01	< 0.01	**0.01**	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	**0.00019 J**	< 0.000288	< 0.0004	< 0.0004	< 0.0004	**0.00329**	< 0.0004	< 0.0004	**0.00269**	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000432	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.0016**	**0.00152**	**0.0014**	**0.00185**	**0.00197**	**0.00227**	**0.00233**	**0.0026**	**0.0025**	**0.0030**
Benzene	µg/L	5	< 0.5	< 0.5	**0.51**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1	**0.32 J**	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.54 J**	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**6.07**	< 2	**0.64 J**	**1.4 J**	< 2	**1.4 J**	< 2	< 2 H	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.21 J**	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	**0.1 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.75 J**	< 2	< 2

Notes:
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Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-07 Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/7/2022	Result 11/29/2022	Result 2/15/2023	Result 5/17/2023	Result 9/13/2023	Result 10/27/2023	Result 2/13/2024
Acenaphthene	mg/L	0.42	**0.000118**	**0.00012**	**0.000183**	**0.000122 H**	**0.000155**	**0.000158**	**0.000139**
Acenaphthylene	mg/L	0.21	**0.00017**	**0.000179**	**0.000203**	**0.000137 H**	**0.000194**	**0.000202**	**0.000178**
Anthracene	mg/L	2.1	**0.00162**	**0.00144**	**0.00148**	**0.00115 H**	**0.00179**	**0.00161**	**0.00167**
Benzo(a)anthracene	mg/L	0.00013	**0.000212**	**0.000201**	**0.000202**	**0.000183 H**	**0.000235**	**0.000211**	**0.000224**
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.0015 J**	**0.00578**	**0.00331**	**0.0148 H**	**0.00395**	**0.00271**	**0.0200**
Chrysene	mg/L	0.0015	**0.000164**	**0.000157**	**0.000141**	**0.000145 H**	**0.000194**	**0.000184**	**0.000166**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00154**	**0.00154**	**0.00127**	**0.00106 H**	**0.00141**	**0.00122**	**0.00118**
Fluorene	mg/L	0.28	**0.000331**	**0.000366**	**0.0004**	**0.000331 H**	**0.000413**	**0.000393**	**0.000365**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	**0.00283 S**	< 0.0004 H	< 0.0004	**0.000614**	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006 H	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.0028**	**0.00281**	**0.0026**	**0.00157 H**	**0.00238**	**0.00265**	**0.00275**
Benzene	µg/L	5	< 0.5	< 0.5 S	< 0.5	< 0.5	< 0.5	< 0.5	**0.15 J**
Bromoform	µg/L	0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**
m,p-Xylenes	µg/L	NS	< 1	< 1 S	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	**0.7 J**	**0.36 BJ**	< 2	< 2	< 2	**1.2 J**
o-Xylene	µg/L	NS	< 1	< 1 S	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2 S	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2 S	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-07 Analyte	Unit	USEPA ROD 1992 CUOs	Result - DUP 2/13/2024	Result 5/9/2024	Result - DUP 5/9/2024	Result 8/30/2024	Result 11/21/2024
Acenaphthene	mg/L	0.42	**0.000130**	**0.000136**	**0.000121**	**0.000204**	**0.000233**
Acenaphthylene	mg/L	0.21	**0.000157**	**0.000177**	**0.000182**	**0.000247**	**0.000177**
Anthracene	mg/L	2.1	**0.00149**	**0.00193**	**0.00141**	**0.00222**	**0.00187**
Benzo(a)anthracene	mg/L	0.00013	**0.000204**	**0.000218**	**0.000183**	**0.000285**	**0.000229**
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.0180**	**0.00748**	**0.0016 J**	**0.00698 B**	**0.00352**
Chrysene	mg/L	0.0015	**0.000166**	**0.000204**	**0.00014 J**	**0.0002 J**	**0.000242**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00111**	**0.00129**	**0.000934**	**0.00139**	**0.00125**
Fluorene	mg/L	0.28	**0.000351**	**0.000343**	**0.000334**	**0.000536**	**0.000648**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	**0.00496**
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	**0.00059 J**
Pyrene	mg/L	0.21	**0.00262**	**0.00336**	**0.00237**	**0.00375**	**0.00302**
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	**2.81**	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-9S Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/12/2020	Result 5/12/2021	Result 5/10/2022	Result 5/17/2023
Acenaphthene	mg/L	0.42	< 0.000078	< 0.0001	< 0.0001	< 0.0001 H
Acenaphthylene	mg/L	0.21	< 0.000078	< 0.0001	< 0.0001	< 0.0001 H
Anthracene	mg/L	2.1	< 0.000233	< 0.0003	< 0.0003	< 0.0003 H
Benzo(a)anthracene	mg/L	0.00013	< 0.000078	< 0.0001	< 0.0001	< 0.0001 H
Benzo(a)pyrene	mg/L	0.0002	< 0.000078	< 0.0002	< 0.0002	< 0.0002 H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000078	< 0.0001	< 0.0001	< 0.0001 H
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000155	< 0.0002	< 0.0002	< 0.0002 H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000078	< 0.0001	< 0.0001	< 0.0001 H
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00155 C	< 0.002	**0.0016 J**	< 0.002 H
Chrysene	mg/L	0.0015	< 0.000078	< 0.0001	< 0.0001	< 0.0001 H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000078	< 0.0002	< 0.0002	< 0.0002 H
Di-n-butyl phthalate	mg/L	0.7	< 0.00775	< 0.01	< 0.01	< 0.01 H
Fluoranthene	mg/L	0.28	< 0.000233	< 0.0003	< 0.0003	< 0.0003 H
Fluorene	mg/L	0.28	< 0.000155	< 0.0002	< 0.0002	< 0.0002 H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000078	< 0.0002	< 0.0002	< 0.0002 H
m,p-Cresol	mg/L	0.35	< 0.00775	< 0.01	< 0.01	< 0.01 H
o-Cresol	mg/L	0.35	< 0.00775	< 0.01	< 0.01	< 0.01 H
Naphthalene	mg/L	0.025	< 0.00031	**0.00273**	< 0.0004	< 0.0004 H
Phenanthrene	mg/L	0.21	< 0.000465	< 0.0006	< 0.0006	< 0.0006 H
Pyrene	mg/L	0.21	< 0.000155	< 0.0002	< 0.0002 B	< 0.0002 H
Benzene	µg/L	5	< 0.5	**0.21 J**	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 0.2
Ethylbenzene	µg/L	700	< 1	**0.33 J**	**0.11 J**	< 1
m,p-Xylenes	µg/L	NS	< 1	**0.27 J**	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	**37.8**	**1.4 J**	< 2
o-Xylene	µg/L	NS	< 1	**0.2 J**	**0.1 J**	< 1
Toluene	µg/L	1000	< 2	**0.32 J**	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	**0.47 J**	< 2	< 2

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

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-9D Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/12/2020	Result 5/12/2021	Result (DUP) 5/12/2021	Result 5/10/2022	Result 5/17/2023
Acenaphthene	mg/L	0.42	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Acenaphthylene	mg/L	0.21	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Anthracene	mg/L	2.1	< 0.000216	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H
Benzo(a)anthracene	mg/L	0.00013	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Benzo(a)pyrene	mg/L	0.0002	< 0.000072	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000144	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00144 C	< 0.002	< 0.002	< 0.002	< 0.002 H
Chrysene	mg/L	0.0015	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000072	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Di-n-butyl phthalate	mg/L	0.7	< 0.00719	< 0.01	< 0.01	< 0.01	< 0.01 H
Fluoranthene	mg/L	0.28	< 0.000216	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H
Fluorene	mg/L	0.28	< 0.000144	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000072	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H
m,p-Cresol	mg/L	0.35	< 0.00719	< 0.01	< 0.01	< 0.01	< 0.01 H
o-Cresol	mg/L	0.35	< 0.00719	< 0.01	< 0.01	< 0.01	< 0.01 H
Naphthalene	mg/L	0.025	< 0.000288	< 0.0004	< 0.0004	< 0.0004	< 0.0004 H
Phenanthrene	mg/L	0.21	< 0.000432	< 0.0006	< 0.0006	< 0.0006	< 0.0006 H
Pyrene	mg/L	0.21	< 0.000144	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002 H
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	**5.2**	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2

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

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-12 Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/12/2020	Result 5/12/2021	Result 5/11/2022	Result 5/17/2023	Result 5/8/2024
Acenaphthene	mg/L	0.42	< 0.000078	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.000078	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001
Anthracene	mg/L	2.1	< 0.000233	< 0.0003	< 0.0003	< 0.0003 H	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.000078	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.000078	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000078	**0.000106**	< 0.0001	< 0.0001 H	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000155	**0.000203**	< 0.0002	< 0.0002 H	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000078	**0.000056 J**	< 0.0001	< 0.0001 H	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00155 C	< 0.002	< 0.002	**0.0017 JH**	< 0.002
Chrysene	mg/L	0.0015	< 0.000078	**0.000056 J**	< 0.0001	< 0.0001 H	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000078	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.00775	< 0.01	< 0.01	< 0.01 H	< 0.01
Fluoranthene	mg/L	0.28	< 0.000233	< 0.0003	< 0.0003	< 0.0003 H	< 0.0003
Fluorene	mg/L	0.28	< 0.000155	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000078	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.00775	< 0.01	< 0.01	**0.00097 JH**	< 0.01
o-Cresol	mg/L	0.35	< 0.00775	< 0.01	< 0.01	< 0.01 H	< 0.0004
Naphthalene	mg/L	0.025	< 0.00031	< 0.0004	< 0.0004	< 0.0004 H	< 0.01
Phenanthrene	mg/L	0.21	< 0.000465	< 0.0006	< 0.0006	< 0.0006 H	< 0.0006
Pyrene	mg/L	0.21	< 0.000155	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-13S Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/13/2020	Result 5/12/2021	Result 5/11/2022	Result - DUP 5/11/2022	Result 5/17/2023	Result - DUP 5/17/2023
Acenaphthene	mg/L	0.42	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H
Acenaphthylene	mg/L	0.21	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H
Anthracene	mg/L	2.1	< 0.000227	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H	< 0.0003 H
Benzo(a)anthracene	mg/L	0.00013	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H
Benzo(a)pyrene	mg/L	0.0002	< 0.000076	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00152 C	< 0.002	**0.0015 J**	< 0.002	**0.0016 JH**	**0.00205 H**
Chrysene	mg/L	0.0015	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000076	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H
Di-n-butyl phthalate	mg/L	0.7	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H
Fluoranthene	mg/L	0.28	< 0.000227	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H	< 0.0003 H
Fluorene	mg/L	0.28	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000076	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H
m,p-Cresol	mg/L	0.35	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H
o-Cresol	mg/L	0.35	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H
Naphthalene	mg/L	0.025	< 0.000303	< 0.0004	< 0.0004	< 0.0004	< 0.0004 H	< 0.0004 H
Phenanthrene	mg/L	0.21	< 0.000455	< 0.0006	< 0.0006	< 0.0006	< 0.0006 H	< 0.0006 H
Pyrene	mg/L	0.21	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-13D Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/13/2020	Result 5/13/2021	Result 5/11/2022	Result 5/17/2023
Acenaphthene	mg/L	0.42	< 0.000076	< 0.0001	< 0.0001	< 0.0001 H
Acenaphthylene	mg/L	0.21	< 0.000076	< 0.0001	< 0.0001	< 0.0001 H
Anthracene	mg/L	2.1	< 0.000229	< 0.0003	< 0.0003	< 0.0003 H
Benzo(a)anthracene	mg/L	0.00013	< 0.000076	**0.00007 J**	< 0.0001	< 0.0001 H
Benzo(a)pyrene	mg/L	0.0002	< 0.000076	< 0.0002	< 0.0002	< 0.0002 H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000076	**0.000102**	< 0.0001	< 0.0001 H
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000153	**0.00024**	< 0.0002	< 0.0002 H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000076	**0.000167**	< 0.0001	< 0.0001 H
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00153 C	< 0.002	< 0.002	**0.0016 JH**
Chrysene	mg/L	0.0015	< 0.000076	**0.000104**	< 0.0001	< 0.0001 H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000076	**0.000244**	< 0.0002	< 0.0002 H
Di-n-butyl phthalate	mg/L	0.7	< 0.00763	< 0.01	< 0.01	< 0.01 H
Fluoranthene	mg/L	0.28	< 0.000229	< 0.0003	< 0.0003	< 0.0003 H
Fluorene	mg/L	0.28	< 0.000153	< 0.0002	< 0.0002	< 0.0002 H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000076	**0.000235**	< 0.0002	< 0.0002 H
m,p-Cresol	mg/L	0.35	< 0.00763	< 0.01	< 0.01	< 0.01 H
o-Cresol	mg/L	0.35	< 0.00763	< 0.01	< 0.01	< 0.01 H
Naphthalene	mg/L	0.025	< 0.000305	< 0.0004	< 0.0004	< 0.0004 H
Phenanthrene	mg/L	0.21	< 0.000458	< 0.0006	< 0.0006	< 0.0006 H
Pyrene	mg/L	0.21	< 0.000153	< 0.0002	< 0.0002	< 0.0002 H
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-14 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/18/2020	Result 5/12/2020	Result 8/13/2020	Result 11/10/2020	Result 2/23/2021	Result 5/11/2021	Result 8/12/2021	Result 11/9/2021	Result 2/16/2022	Result 5/11/2022	Result 9/7/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000217	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000145	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.0108**	**0.00417 C**	**0.0336 C**	**0.00766**	**0.00935**	**0.00934**	**0.0139**	**0.0200 B**	**0.0016 J**	**0.0018 J**	**0.00578 S**
Chrysene	mg/L	0.0015	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00725	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000217	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000145	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00725	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00725	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.00029	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000435	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000145	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.38 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.72 J**	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**2.88**	< 2	**0.38 J**	< 2 B	**1.6 J**	**0.49 J**	< 2	**2.53**	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.36 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.19 J**	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**1.1 J**	< 2	< 2	< 2

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

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-14 Analyte	Unit	USEPA ROD 1992 CUOs	Result 11/29/2022	Result 2/14/2023	Result 5/17/2023	Result 9/13/2023	Result 10/26/2023	Result 2/13/2024	Result 5/9/2024	Result 8/30/2024	Result 11/21/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.00304**	< 0.002	**0.00309**	**0.00493**	**0.00216**	**0.00416**	**0.00604**	**0.00270** B	**0.00531**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0004
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.01
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	**0.11** J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**0.62** J	< 2 B	< 2	< 2	< 2	**0.64** J	**1.1** J	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-15 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/20/2020	Result 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result 2/23/2021	Result 5/13/2021	Result 8/12/2021	Result 11/9/2021	Result 2/17/2022	Result - DUP 2/17/2022	Result 5/11/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	**0.000058 J**	< 0.000074	< 0.0001	**0.000081 J**	< 0.0001	0.000063 J	< 0.0001	< 0.0001	< 0.0001	**0.000074 J**	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000222	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	**0.000061 J**	< 0.000074	< 0.0001	**0.000084 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	**0.000078 J**	< 0.000074	< 0.0001	**0.000069 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	**0.000082 J**	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000075 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.00148 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000222	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000148	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000085 J**	< 0.000074	**0.000074 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000296	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000444	< 0.0006	< 0.0006	< 0.0006 R	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.16 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.43 J**	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**1.7 J**	< 2	< 2	< 2 B	**1.1 J**	< 2	< 2	**1.6 J**	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.13 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.56 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-15 Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/9/2022	Result 11/29/2022	Result 2/15/2023	Result - DUP 2/15/2023	Result 5/18/2023	Result - DUP 5/18/2023	Result 9/13/2023	Result 10/25/2023	Result 2/15/2024
Acenaphthene	mg/L	0.42	< 0.0001	**0.000094 J**	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	**0.000087 J**
Acenaphthylene	mg/L	0.21	**0.000077 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H	< 0.0003 H	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 H	< 0.002 H	< 0.002	< 0.002 S	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H	< 0.0003 H	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	**0.000287**	< 0.0002	**0.0001 J**	**0.000204 H**	< 0.0002 H	< 0.0002	< 0.0002	**0.00019 J**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	**0.00366**	**0.00414**	< 0.0004	< 0.0004	< 0.0004 H	< 0.0004 H	< 0.0004	< 0.0004	**0.00250**
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006 H	< 0.0006 H	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	**0.55 J**	< 2 B	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	**0.11 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-15 Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/10/2024	Result 8/30/2024	Result 11/22/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	**0.00322 B**	< 0.002
Chrysene	mg/L	0.0015	< 0.0002	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	**0.000219**	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	**0.00315**	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2
Naphthalene	µg/L	25	**0.6 J**	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-16S Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/18/2020	Result 5/11/2020	Result 8/12/2020	Result 11/9/2020	Result 2/22/2021	Result 5/10/2021	Result 8/10/2021	Result 11/8/2021	Result 2/15/2022	Result 5/9/2022	Result 9/6/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000227	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000076 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.0327**	**0.00207 C**	**0.00771 C**	**0.00589**	< 0.002	**0.00203**	**0.0068**	**0.0016 J**	**0.0016 J**	**0.0019 J**	**0.0024**
Chrysene	mg/L	0.0015	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000227	< 0.0003	< 0.0003	< 0.0003	< 0.0003	**0.00057**	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000992**	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000303	**0.00164**	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000455	< 0.0006	< 0.0006	< 0.0006	< 0.0006	**0.00255**	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000486**	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.16 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.49 J**	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**1.1 J**	< 2	< 2	< 2 B	**0.43 J**	< 2	< 2	**1.2 J**	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.61 J**	< 2	< 2	< 2

Notes:
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E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-16S Analyte	Unit	USEPA ROD 1992 CUOs	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023	Result 10/25/2023	Result 2/13/2024	Result 5/9/2024	Result 8/28/2024	Result 11/20/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	**0.0019 J**	< 0.002	**0.0017 J**	**0.00426**	< 0.0002	< 0.002	**0.00301 B**	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**0.52 J**	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-16D Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/18/2020	Result 5/11/2020	Result 8/12/2020	Result 11/9/2020	Result 2/22/2021	Result 5/10/2021	Result 8/10/2021	Result 11/8/2021	Result 2/15/2022	Result 5/9/2022	Result 9/6/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000222	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000076 J**	< 0.0001	**0.0016 J**	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	**0.012 C**	**0.00595 C**	**0.011 C**	**0.00498**	**0.002 J**	**0.00206**	< 0.002	< 0.002	**0.00299**	**0.0017 J**
Chrysene	mg/L	0.0015	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000222	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000148	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000296	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000444	< 0.0006	< 0.0006	**0.00101**	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.15 J**	< 0.5	< 0.5	**0.38 J**	**0.52**
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.16 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.52 J**	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**0.83 J**	< 2	< 2	< 2 B	**0.34 J**	< 2	< 2	**0.92** J	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.13** J	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.13 J**	< 2	**0.1 J**
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.65 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-16D Analyte	Unit	USEPA ROD 1992 CUOs	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023	Result 10/25/2023	Result 2/14/2024	Result 5/9/2024	Result 8/28/2024	Result 11/20/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	**0.0017 J**	**0.00241**	**0.00726**	**0.00770**	< 0.002	**0.0101 B**	**0.00201**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	**0.71**	**0.70**	**0.80**	**0.76**	**0.64**	**0.71**	< 0.5	< 0.5	**0.41 J**
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**0.51 J**	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	**0.12 J**	< 2	**0.13 J**	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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S = Spike Recovery outside recovery limits
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Yellow = Exceeds ROD CUO
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The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-17 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/18/2020	Result 5/12/2020	Result 8/12/2020	Result 11/11/2020	Result 2/22/2021	Result 5/10/2021	Result 8/10/2021	Result 11/8/2021	Result 2/15/2022	Result 5/9/2022	Result 9/6/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	**0.000115**	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	**0.000055 J**	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.000074 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.00215**	**0.00257 C**	**0.00467 C**	< 0.002 C	**0.0029**	< 0.002	0.00739	< 0.002	< 0.002	< 0.002	**0.00752**
Chrysene	mg/L	0.0015	**0.000047 J**	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.000288**	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000077	**0.000078 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000308	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000462	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.00023**	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.53 J**	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2 B	**0.38 J**	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.65 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
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All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-17 Analyte	Unit	USEPA ROD 1992 CUOs	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023	Result 10/25/2023	Result 2/14/2024	Result 5/9/2024	Result 8/17/2024	Result 11/20/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	**0.0144**	< 0.002	**0.0019** J	< 0.002	< 0.002	< 0.002	**0.0115** B	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**0.49** J	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-18S Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/19/2020	Result 5/13/2020	Result 8/14/2020	Result 11/11/2020	Result 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result - DUP 11/10/2021	Result 2/16/2022	Result 5/9/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	**0.000114**	< 0.000234	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003 B	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000071 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.0118**	**0.00309**	**0.00244 C**	**0.00299**	**0.00249**	**0.00329**	< 0.002	**0.00305**	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000234	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000078	**0.00007 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000312	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000469	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.00011 J**	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**	**0.13 J**	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.39 J**	**0.45 J**	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**0.52 J**	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.13 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.39 J**	**0.56 J**	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-18S Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024	Result 8/29/2024	Result 11/20/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.00228**	< 0.002	**0.00331**	**0.00295**	< 0.002	< 0.002	**0.00266**	**0.00450**	**0.00180 BJ**	**0.00260**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	**0.48 J**	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-18D Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/19/2020	Result 5/13/2020	Result 8/14/2020	Result 11/11/2020	Result 2/23/2021	Result (DUP) 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result 2/16/2022	Result 5/9/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000233	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.00559**	< 0.00155 C	< 0.002 C	**0.00331**	< 0.002	**0.0019** J	**0.00269**	< 0.002	< 0.002	< 0.002	**0.00295**
Chrysene	mg/L	0.0015	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00775	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000233	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00775	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00775	< 0.01	< 0.0004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.00031	< 0.0004	< 0.01	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000465	< 0.0006	< 0.0006	< 0.0006	**0.00185**	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.13** J	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.41** J	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**0.45** J	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.13** J	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	**0.21** J	< 2	**0.13** J	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.54** J	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-18D Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024	Result 8/29/2024	Result 11/20/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.00284**	< 0.002	< 0.002	**0.0015 J**	< 0.002	< 0.002	< 0.002	**0.00227**	**0.00170 BJ**	**0.00383**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.10 J**
Bromoform	µg/L	0.2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	**0.54 J**	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	**0.12 J**	< 2	< 2	**0.19 J**	**0.21 J**	**0.36 J**	**0.36 J**
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-19S Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/19/2020	Result 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result 2/16/2022	Result- DUP 2/16/2022	Result 5/9/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000234	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.00156 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000234	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000312	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000469	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.15 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.5 J**	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**0.39 J**	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.61 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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C = RL shown is a client requested quantitation limit
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S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-19S Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/7/2022	Result 11/29/2022	Result - DUP 11/29/2022	Result 2/14/2023	Result - DUP 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.00238**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	**0.5** J	**0.46** BJ	< 2 B	< 2 B	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
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< = Compound not detected at concentrations above the laboratory reporting detection limit.
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All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-19S Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/14/2024	Result 5/7/2024	Result 8/29/2024	Result 11/19/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001 S	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002 S	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0002 S	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002 BS	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0002 S	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002 S	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01 S	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
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R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-19D Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/19/2020	Result 5/13/2020	Result - DUP 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result - DUP 11/10/2020	Result 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result 2/16/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000213	< 0.000219	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000142	< 0.000146	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.00142 C	< 0.00146 C	< 0.002 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00709	< 0.0073	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000213	< 0.000219	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000142	< 0.000146	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000071	< 0.000073	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00709	< 0.0073	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00709	< 0.0073	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000284	< 0.000292	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000426	< 0.000438	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000142	< 0.000146	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.13 J**	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.5 J**	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	**0.32 J**	< 2 B	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.62 J**	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-19D Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/9/2022	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	**0.00016**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	**0.00391**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	**0.00201**	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	**0.47 BJ**	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	**0.12 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
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The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-19D Analyte	Unit	USEPA ROD 1992 CUOs	Result 8/29/2024		Result 11/19/2024	
Acenaphthene	mg/L	0.42	< 0.0001		< 0.0001	
Acenaphthylene	mg/L	0.21	< 0.0001		< 0.0001	
Anthracene	mg/L	2.1	< 0.0003		< 0.0003	
Benzo(a)anthracene	mg/L	0.00013	< 0.0001		< 0.0001	
Benzo(a)pyrene	mg/L	0.0002	< 0.0002		< 0.0002	
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0002		< 0.0002	
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002		< 0.0002	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0002		< 0.0002	
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	B	< 0.002	
Chrysene	mg/L	0.0015	< 0.0002		< 0.0002	
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002		< 0.0002	
Di-n-butyl phthalate	mg/L	0.7	< 0.01		< 0.01	
Fluoranthene	mg/L	0.28	< 0.0003		< 0.0003	
Fluorene	mg/L	0.28	< 0.0002		< 0.0002	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002		< 0.0002	
m,p-Cresol	mg/L	0.35	< 0.01		< 0.01	
o-Cresol	mg/L	0.35	< 0.01		< 0.01	
Naphthalene	mg/L	0.025	< 0.0004		< 0.0004	
Phenanthrene	mg/L	0.21	< 0.0006		< 0.0006	
Pyrene	mg/L	0.21	< 0.0002		< 0.0002	
Benzene	µg/L	5	< 0.5		< 0.5	
Bromoform	µg/L	0.2	< 0.2		< 0.2	
Ethylbenzene	µg/L	700	< 1		< 1	
m,p-Xylenes	µg/L	NS	< 1		< 1	
Methylene chloride	µg/L	0.2	< 2		< 2	
Naphthalene	µg/L	25	< 2		< 2	
o-Xylene	µg/L	NS	< 1		< 1	
Toluene	µg/L	1000	< 2		< 2	
trans-1,2-Dichloroethene	µg/L	100	< 2		< 2	
Xylenes, Total	µg/L	10000	< 2		< 2	

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-20 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/19/2020	Result 5/13/2020	Result 8/14/2020	Result 11/10/2020	Result 2/23/2021	Result 5/11/2021	Result (DUP) 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result 2/16/2022	Result 5/9/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	**0.000106**	**0.00014**	**0.000155**	**0.000075** J	**0.000330**	**0.000509**	**0.000498**	**0.000229**	**0.00062**	**0.00008** J
Anthracene	mg/L	2.1	< 0.0001	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	**0.000129**	**0.000195**	**0.000141**	< 0.000100	**0.000388**	**0.000671**	**0.000565**	**0.000316**	**0.000693**	**0.000088** J
Benzo(a)pyrene	mg/L	0.0002	**0.000107**	**0.000337**	**0.000648**	**0.000505**	**0.000238**	**0.001350**	**0.002230**	**0.00193**	**0.000893**	**0.00224**	**0.000337**
Benzo(b)fluoranthene	mg/L	0.00018	**0.000138**	**0.000283**	**0.000586**	**0.000342**	**0.000174**	**0.001070**	**0.001840**	**0.00173**	**0.000825**	**0.00198**	**0.000258**
Benzo(g,h,i)perylene	mg/L	0.21	**0.00017** J	**0.000366**	**0.000805**	**0.000547**	**0.000243**	**0.001290**	**0.001970**	**0.00203**	**0.000894**	**0.00219**	**0.000441**
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	**0.000099**	**0.000147**	**0.000085** J	< 0.000100	**0.000302**	**0.000497**	**0.000521**	**0.00017**	**0.000629**	**0.00008** J
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.00154 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	**0.00013**	**0.000245**	**0.000183**	**0.000073** J	**0.000548**	**0.000921**	**0.000754**	**0.000398**	**0.000937**	**0.000151**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000077	**0.000138**	**0.00008** J	< 0.0002	**0.00018** J	**0.000294**	**0.000376**	**0.00012** J	**0.000408**	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000231	< 0.0003	< 0.0003	< 0.0003	**0.000342**	**0.000652**	**0.000616**	**0.000316**	**0.00069**	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000148**	**0.000251**	**0.00054**	**0.000319**	< 0.000200	**0.000892**	**0.001470**	**0.0014**	**0.000611**	**0.00161**	**0.000345**
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000308	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000462	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	**0.000239**	**0.00025**	**0.000328**	< 0.000200	**0.000845**	**0.001510**	**0.00127**	**0.000613**	**0.00156**	**0.000208** B
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12** J	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.47** J	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.47** J	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds ROD CUO
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USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-20 Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024	Result 8/29/2024	Result 11/19/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	**0.0007**	**0.000363**	**0.00067**	**0.00018**	**0.000635**	**0.000198**	**0.000172**	**0.000113**	**0.000285**	**0.000192**
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	**0.000921**	**0.00046**	**0.00065**	**0.00016**	**0.00098**	**0.000314**	**0.000177**	**0.000089 J**	**0.000203**	**0.000205**
Benzo(a)pyrene	mg/L	0.0002	**0.00271**	**0.00167**	**0.00282**	**0.00068**	**0.00315**	**0.00111**	**0.000579**	**0.000328**	**0.000883**	**0.000535**
Benzo(b)fluoranthene	mg/L	0.00018	**0.0024**	**0.00128**	**0.0022**	**0.00043**	**0.00269**	**0.000961**	**0.000563**	**0.000282**	**0.000745**	**0.000710**
Benzo(g,h,i)perylene	mg/L	0.21	**0.00283**	**0.00159**	**0.00261**	**0.00075**	**0.00324**	**0.00112**	**0.000562**	**0.000566**	**0.000992**	**0.000832**
Benzo(k)fluoranthene	mg/L	0.00017	**0.000695**	**0.000393**	**0.00051**	**0.00016**	**0.00077**	**0.000288**	**0.000153**	< 0.000200	**0.000252**	**0.000180 J**
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.0016 J**	< 0.002	< 0.002	< 0.002	**0.0016 J**	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002
Chrysene	mg/L	0.0015	**0.00118**	**0.000604**	**0.00094**	**0.00022**	**0.00131**	**0.000468**	**0.000236**	**0.000170 J**	**0.000344**	**0.000247**
Dibenzo(a,h)anthracene	mg/L	0.0003	**0.00049**	**0.00023**	**0.000475**	**0.00012 J**	**0.00068**	**0.00016 J**	< 0.002	< 0.0002	**0.00013 J**	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.001**	**0.000582**	**0.00058**	< 0.0003	**0.00107**	**0.000333**	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.00202**	**0.00107**	**0.00178**	**0.00044**	**0.00234**	**0.000712**	**0.000374**	**0.000314**	**0.000746**	**0.000492**
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.00197**	**0.00112**	**0.00123**	**0.00036**	**0.00227**	**0.000534**	**0.000294**	**0.000212**	**0.000428**	**0.000422**
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	**0.47 BJ**	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	**0.16 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	**0.48 J**	**0.52 J**	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-21 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/20/2020	Result 5/12/2020	Result 8/14/2020	Result 11/11/2020	Result 2/24/2021	Result 5/12/2021	Result 8/11/2021	Result 11/9/2021	Result 2/16/2022	Result 5/11/2022	Result 9/7/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000214	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000071	**0.000072 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000071	**0.00007 J**	< 0.0001	< 0.0002	< 0.0002	**0.00012 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	**0.000069 J**	< 0.000071	**0.000123**	**0.000074 J**	< 0.000100	< 0.000100	**0.000132**	< 0.0001	**0.000076 J**	< 0.0001	**0.000109**
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000143	**0.0001 J**	**0.000054 J**	< 0.000200	< 0.000200	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000052 J**	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.00143 C	**0.00271 C**	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002 B	**0.00212**	**0.0016 J**	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000071	**0.000071 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000067 J**	< 0.0001	**0.000052 J**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00714	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000214	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000143	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000087 J**	< 0.000071	**0.000126**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00714	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00714	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0004	< 0.0004
Naphthalene	mg/L	0.025	< 0.0002	< 0.000286	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.01	< 0.01
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000429	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000143	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.00018 J**	< 0.0002 B	< 0.0002 B
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.47 J**	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.1 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	**0.43 J**	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.57 J**	< 2	< 2	< 2

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

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-21 Analyte	Unit	USEPA ROD 1992 CUOs	Result 11/29/2022	Result 2/14/2023	Result 5/17/2023	Result 9/15/2023	Result 10/27/2023	Result 2/15/2024	Result 5/8/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000143**	**0.000081 J**	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000056 J**	0.0001	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.0015 J**	**0.0017 J**	< 0.002	< 0.002	**0.00222**	0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000089 J**	**0.000059 J**	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.0004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.01	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2 B	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	**0.2 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-22S Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/20/2020	Result 5/14/2020	Result - DUP 5/14/2020	Result 8/13/2020	Result 11/9/2020	Result 2/22/2021	Result 5/12/2021	Result 8/11/2021	Result - DUP 8/11/2021	Result 11/9/2021	Result - DUP 11/9/2021	Result 2/16/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000068 J**
Anthracene	mg/L	2.1	**0.000637**	< 0.000231	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	**0.000088 J**	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	**0.000061 J**	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**7.1E-05 J**	**0.00007 J**	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000154	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	**0.00191 C**	< 0.00154 C	**0.00279 C**	**0.00517**	**0.0017** J	**0.00472**	**0.00983**	**0.00753**	< 0.002 B	**0.0016 BJ**	< 0.002
Chrysene	mg/L	0.0015	**0.000084 J**	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00769	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.000524**	< 0.000231	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000154	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000093 J**	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00769	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00769	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000308	< 0.000308	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	**0.000695**	< 0.000462	< 0.000462	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.000449**	< 0.000154	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	**0.14 J**	< 1	< 1	< 1	**0.11 J**	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	**0.2 J**	< 1	< 1	**0.39 J**	**0.47 J**	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	**0.13 J**	< 1	< 1	< 1	**0.11 J**	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	**0.33 J**	< 2	< 2	**0.39 J**	**0.58 J**	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-22S Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/10/2022	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.00347**	< 0.002	< 0.002	< 0.002	< 0.002	**0.0019** J
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	**0.47** BJ	< 2 B	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	**0.12** J	< 2	**0.22** J	**0.25** J	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-22S Analyte	Unit	USEPA ROD 1992 CUOs	Result 10/26/2023	Result 2/15/2024	Result 5/9/2024	Result - DUP 5/9/2024	Result 8/30/2024	Result 11/21/2024	Result - DUP 11/21/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	**0.000078 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.00380**	**0.00242**	< 0.002	< 0.002	**0.0018 BJ**	**0.0018 J**	**0.00279**
Chrysene	mg/L	0.0015	< 0.0001	**0.000065 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	**0.00029 J**	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	**115**	**8.66**	**8.58**	**0.88**	**3.23**	**3.07**
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	**1.98**	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	**0.75 J**	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	**2.51**	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	**1.0 J**	< 2	< 2	**0.15 J**	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	**3.26**	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-22D Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/20/2020	Result 5/11/2020	Result 8/12/2020	Result 11/9/2020	Result 2/23/2021	Result 5/12/2021	Result 8/12/2021	Result 11/9/2021	Result 2/16/2022	Result 5/10/2022	Result 9/6/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000242	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000161	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.00161 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00806	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000242	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000161	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00806	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00806	< 0.01	< 0.0004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000323	< 0.0004	< 0.01	< 0.0004	< 0.0004	< 0.0004	**0.00096**	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000484	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000161	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	**0.52**	**1.2**	**0.45 J**	**0.21 J**	< 0.5 S	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1 S	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.43 J**	< 1 S	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**	< 1 S	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 S	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.54 J**	< 2 S	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-22D Analyte	Unit	USEPA ROD 1992 CUOs	Result 11/28/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result - DUP 10/26/2023	Result 2/15/2024	Result 5/9/2024	Result 8/30/2024	Result 11/21/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2 B	**0.59 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	**0.11 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-25 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/19/2020	Result 5/13/2020	Result 8/14/2020	Result (DUP) 8/14/2020	Result 8/14/2020	Result 11/11/2020	Result 2/23/2021	Result 5/12/2021	Result 8/11/2021	Result 11/8/2021	Result 2/15/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000226	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.00015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.0015 C	< 0.002 C	< 0.002 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00752	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000226	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.00015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	**0.00069 J**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00752	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000301	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000451	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.00015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.48 J**	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**0.45 J**	< 2	< 2	< 2	< 2	< 2 B	**3.29**	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.1 J**	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.58 J**	< 2

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

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-25 Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/10/2022	Result 9/6/2022	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023	Result 10/26/2023	Result 2/15/2024	Result 5/9/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 SR
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 SR
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 S
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002 S
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 S
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002 SR
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	**0.012 J**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 S
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002 R
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 S
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.16 J	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2 B	**0.46 BJ**	< 2 B	< 2	**1.5 J**	**3.77**	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	**0.4 J**	**0.29 J**	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-25 Analyte	Unit	USEPA ROD 1992 CUOs	Result 8/28/2024		Result 11/21/2024	
Acenaphthene	mg/L	0.42	< 0.0001		< 0.0001	
Acenaphthylene	mg/L	0.21	< 0.0001		< 0.0001	
Anthracene	mg/L	2.1	< 0.0003		< 0.0003	
Benzo(a)anthracene	mg/L	0.00013	< 0.0001		< 0.0001	
Benzo(a)pyrene	mg/L	0.0002	< 0.0002		< 0.0002	
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0002		< 0.0002	
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002		< 0.0002	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0002		< 0.0002	
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.0017**	**BJ**	< 0.002	
Chrysene	mg/L	0.0015	< 0.0002		< 0.0002	
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002		< 0.0002	
Di-n-butyl phthalate	mg/L	0.7	< 0.01		< 0.01	
Fluoranthene	mg/L	0.28	< 0.0003		< 0.0003	
Fluorene	mg/L	0.28	< 0.0002		< 0.0002	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002		< 0.0002	
m,p-Cresol	mg/L	0.35	< 0.01		< 0.01	SR
o-Cresol	mg/L	0.35	< 0.01		< 0.01	
Naphthalene	mg/L	0.025	< 0.0004		< 0.0004	
Phenanthrene	mg/L	0.21	< 0.0006		< 0.0006	
Pyrene	mg/L	0.21	< 0.0002		< 0.0002	
Benzene	µg/L	5	< 0.5		< 0.5	
Bromoform	µg/L	0.2	< 0.2		< 0.2	
Ethylbenzene	µg/L	700	< 1		< 1	
m,p-Xylenes	µg/L	NS	< 1		< 1	
Methylene chloride	µg/L	0.2	< 2		< 2	
Naphthalene	µg/L	25	**0.86**	**J**	< 2	
o-Xylene	µg/L	NS	< 1		< 1	
Toluene	µg/L	1000	**0.18**	**J**	< 2	
trans-1,2-Dichloroethene	µg/L	100	< 2		< 2	
Xylenes, Total	µg/L	10000	< 2		< 2	

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-26 Analyte	Unit	USEPA ROD 1992 CUOs	Result 2/19/2020	Result 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result 2/24/2021	Result 5/11/2021	Result 8/12/2021	Result 11/8/2021	Result 2/15/2022	Result 5/10/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000072 J**	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000213	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000081 J**	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.000142	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.00142 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00709	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000213	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000142	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000215**	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000071	**0.000082 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.00709	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00709	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0002	< 0.000284	< 0.0004	< 0.0004	< 0.0004	< 0.0004	**0.00429**	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0004	< 0.000426	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000142	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.15 J**	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.52 J**	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2 B	**0.52 J**	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.64 J**	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-26 Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/6/2022	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/15/2023	Result 10/26/2023	Result 2/15/2024	Result 5/8/2024	Result 8/29/2024	Result 11/20/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.0018** J	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12** J
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2 B	< 2 B	< 2	**0.69** J	< 2	< 2	< 2	< 2	**4.25**
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	**0.21** J	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

G-101S Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/13/2020	Result 5/11/2021	Result 5/10/2022	Result 5/16/2023	Result 5/8/2024
Acenaphthene	mg/L	0.42	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.000234	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.000078	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00156 C	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000078	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.000234	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000078	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.000312	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.000469	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.000156	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	**3.01**
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds ROD CUO
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The laboratory reporting detection limit is shown.
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

G-102S Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/13/2020	Result 5/11/2021	Result 5/10/2022	Result 5/16/2023	Result 5/8/2024
Acenaphthene	mg/L	0.42	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.000214	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.000071	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000143	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00143 C	**0.0019 J**	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000071	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.00714	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.000214	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.000143	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000071	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.00714	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.00714	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.000286	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.000429	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.000143	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	**0.58 J**
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

G-102D Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/13/2020	Result 5/11/2021	Result 5/10/2022	Result - DUP 5/10/2022	Result 5/16/2023	Result 5/8/2024
Acenaphthene	mg/L	0.42	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.000221	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.000074	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000147	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00147 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000074	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.00735	< 0.01	**0.00085 J**	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.000221	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.000147	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000074	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.00735	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.00735	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.000294	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.000441	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.000147	< 0.0002	< 0.0002 B	< 0.0002 B	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
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Yellow = Exceeds ROD CUO
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The laboratory reporting detection limit is shown.
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mg/L = milligrams per liter
µg/L = micrograms per liter

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

G-103S Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/12/2020		Result 5/12/2021		Result 5/11/2022		Result 5/17/2023	
Acenaphthene	mg/L	0.42	< 0.000073		< 0.0001		< 0.0001		< 0.0001	H
Acenaphthylene	mg/L	0.21	< 0.000073		< 0.0001		< 0.0001		< 0.0001	H
Anthracene	mg/L	2.1	< 0.000219		< 0.0003		< 0.0003		< 0.0003	H
Benzo(a)anthracene	mg/L	0.00013	< 0.000073		< 0.0001		< 0.0001		< 0.0001	H
Benzo(a)pyrene	mg/L	0.0002	< 0.000073		< 0.0002		< 0.0002		< 0.0002	H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000073		< 0.0001		< 0.0001		< 0.0001	H
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000146		< 0.0002		< 0.0002		< 0.0002	H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000073		< 0.0001		< 0.0001		< 0.0001	H
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00146	C	< 0.002		< 0.002		< 0.002	H
Chrysene	mg/L	0.0015	< 0.000073		< 0.0001		< 0.0001		< 0.0001	H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000073		< 0.0002		< 0.0002		< 0.0002	H
Di-n-butyl phthalate	mg/L	0.7	< 0.0073		< 0.01		< 0.01		< 0.01	H
Fluoranthene	mg/L	0.28	< 0.000219		< 0.0003		< 0.0003		< 0.0003	H
Fluorene	mg/L	0.28	< 0.000146		< 0.0002		< 0.0002		< 0.0002	H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000073		< 0.0002		< 0.0002		< 0.0002	H
m,p-Cresol	mg/L	0.35	< 0.0073		< 0.01		< 0.01		< 0.01	H
o-Cresol	mg/L	0.35	< 0.0073		< 0.01		< 0.01		< 0.01	H
Naphthalene	mg/L	0.025	< 0.000292		< 0.0004		< 0.0004		< 0.0004	H
Phenanthrene	mg/L	0.21	< 0.000438		< 0.0006		< 0.0006		< 0.0006	H
Pyrene	mg/L	0.21	< 0.000146		< 0.0002		< 0.0002		< 0.0002	H
Benzene	µg/L	5	< 0.5		< 0.5		< 0.5		< 0.5	
Bromoform	µg/L	0.2	< 2		< 2		< 2		< 0.2	
Ethylbenzene	µg/L	700	< 1		< 1		< 1		< 1	
m,p-Xylenes	µg/L	NS	< 1		< 1		< 1		< 1	
Methylene chloride	µg/L	0.2	< 2		< 2		< 2		< 2	
Naphthalene	µg/L	25	< 2		< 2		< 2		< 2	
o-Xylene	µg/L	NS	< 1		< 1		< 1		< 1	
Toluene	µg/L	1000	< 2		< 2		< 2		**0.13**	**J**
trans-1,2-Dichloroethene	µg/L	100	< 2		< 2		< 2		< 2	
Xylenes, Total	µg/L	10000	< 2		< 2		< 2		< 2	

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

Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

G-103D Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/12/2020	Result - DUP 5/12/2020	Result 5/12/2021	Result 5/11/2022	Result 5/17/2023
Acenaphthene	mg/L	0.42	< 0.00008	< 0.000071	< 0.0001	< 0.0001	< 0.0001 H
Acenaphthylene	mg/L	0.21	< 0.00008	< 0.000071	< 0.0001	< 0.0001	< 0.0001 H
Anthracene	mg/L	2.1	< 0.00024	< 0.000214	< 0.0003	< 0.0003	< 0.0003 H
Benzo(a)anthracene	mg/L	0.00013	< 0.00008	< 0.000071	< 0.0001	< 0.0001	< 0.0001 H
Benzo(a)pyrene	mg/L	0.0002	< 0.00008	< 0.000071	< 0.0002	< 0.0002	< 0.0002 H
Benzo(b)fluoranthene	mg/L	0.00018	< 0.00008	< 0.000071	< 0.0001	< 0.0001	< 0.0001 H
Benzo(g,h,i)perylene	mg/L	0.21	< 0.00016	< 0.000143	< 0.0002	< 0.0002	< 0.0002 H
Benzo(k)fluoranthene	mg/L	0.00017	< 0.00008	< 0.000071	< 0.0001	< 0.0001	< 0.0001 H
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.0016 C	< 0.00143 C	< 0.002	< 0.002	**0.0015 JH**
Chrysene	mg/L	0.0015	< 0.00008	< 0.000071	< 0.0001	< 0.0001	< 0.0001 H
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.00008	< 0.000071	< 0.0002	< 0.0002	< 0.0002 H
Di-n-butyl phthalate	mg/L	0.7	< 0.008	< 0.00714	< 0.01	< 0.01	< 0.01 H
Fluoranthene	mg/L	0.28	< 0.00024	< 0.000214	< 0.0003	< 0.0003	< 0.0003 H
Fluorene	mg/L	0.28	< 0.00016	< 0.000143	< 0.0002	< 0.0002	< 0.0002 H
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.00008	< 0.000071	< 0.0002	< 0.0002	< 0.0002 H
m,p-Cresol	mg/L	0.35	< 0.008	< 0.00714	< 0.01	< 0.01	< 0.01 H
o-Cresol	mg/L	0.35	< 0.008	< 0.00714	< 0.01	< 0.01	< 0.01 H
Naphthalene	mg/L	0.025	< 0.00032	< 0.000286	< 0.0004	< 0.0004	< 0.0004 H
Phenanthrene	mg/L	0.21	< 0.00048	< 0.000429	< 0.0006	< 0.0006	< 0.0006 H
Pyrene	mg/L	0.21	< 0.00016	< 0.000143	< 0.0002	< 0.0002	< 0.0002 H
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
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Attachment D
Summary of Analytical Results 2020 - November 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

QC Samples Analyte	Unit	USEPA ROD 1992 CUOs	Equipment Blank 1 Result 5/13/2020	Equipment Blank 1 Result 8/12/2020	Equipment Blank 2 Result 8/14/2020	Equipment Blank 1 Result 11/9/2020	Equipment Blank 1 Result 2/24/2021	Trip Blank 1 Result 8/12/2021	Trip Blank 2 Result 8/12/2021	Trip Blank 1 Result 11/10/2021	Trip Blank 2 Result 11/10/2021	Equipment Blank 1 Result 11/9/2021	Trip Blank 1 Result 2/17/2022
Acenaphthene	mg/L	0.42	**0.000193**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA	NA	NA	NA	< 0.0001	NA
Acenaphthylene	mg/L	0.21	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA	NA	NA	NA	< 0.0001	NA
Anthracene	mg/L	2.1	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	NA	NA	NA	NA	< 0.0003	NA
Benzo(a)anthracene	mg/L	0.00013	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA	NA	NA	NA	< 0.0001	NA
Benzo(a)pyrene	mg/L	0.0002	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0002	NA	NA	NA	NA	< 0.0002	NA
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA	NA	NA	NA	< 0.0001	NA
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	NA	NA	NA	NA	< 0.0002	NA
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA	NA	NA	NA	< 0.0001	NA
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00154 C	< 0.002 C	< 0.002 C	< 0.002 C	< 0.002	NA	NA	NA	NA	**0.002 BJ**	NA
Chrysene	mg/L	0.0015	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA	NA	NA	NA	< 0.0001	NA
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0002	NA	NA	NA	NA	< 0.0002	NA
Di-n-butyl phthalate	mg/L	0.7	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	NA	NA	NA	NA	< 0.01	NA
Fluoranthene	mg/L	0.28	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	NA	NA	NA	NA	< 0.0003	NA
Fluorene	mg/L	0.28	**0.000311**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	NA	NA	NA	NA	< 0.0002	NA
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000077	< 0.0001	**7.8E-05 J**	< 0.0001	< 0.0002	NA	NA	NA	NA	< 0.0002	NA
m,p-Cresol	mg/L	0.35	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	NA	NA	NA	NA	< 0.01	NA
o-Cresol	mg/L	0.35	< 0.00769	< 0.01	< 0.01	< 0.0004	< 0.0004	NA	NA	NA	NA	< 0.0004	NA
Naphthalene	mg/L	0.025	< 0.000308	< 0.0004	< 0.0004	< 0.01	< 0.01	NA	NA	NA	NA	< 0.01	NA
Phenanthrene	mg/L	0.21	< 0.000462	< 0.0006	< 0.0006	< 0.0006	< 0.0006	NA	NA	NA	NA	< 0.0006	NA
Pyrene	mg/L	0.21	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	NA	NA	NA	NA	< 0.0002	NA
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.21 J**	**0.2 J**	**0.12 J**	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	0.29 J	< 1	< 1	**0.21 J**	**0.85 J**	**0.93 J**	**0.37 J**	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	**0.67 J**	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.16 J**	**0.19 J**	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.11 J**	**0.11 J**	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	0.29 J	< 2	< 2	< 2	**1 J**	**1.1 J**	**0.37 J**	< 2

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Attachment D
Summary of Analytical Results 2020 - November 2024
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Taylorville, Illinois

QC Samples Analyte	Unit	USEPA ROD 1992 CUOs	Trip Blank 2 Result 2/17/2022	Trip Blank 1 Result 5/12/2022	Trip Blank 2 Result 5/12/2022	Equipment Blank 1 Result 9/8/2022	Trip Blank 1 Result 9/8/2022	Equipment Blank 1 Result 11/30/2022	Trip Blank 1 Result 11/30/2022	Trip Blank 2 Result 11/30/2022	Equipment Blank 1 Result 2/14/2023	Trip Blank 1 Result 2/15/2023	Trip Blank 2 Result 2/15/2023
Acenaphthene	mg/L	0.42	NA	NA	NA	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001	NA	NA
Acenaphthylene	mg/L	0.21	NA	NA	NA	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001	NA	NA
Anthracene	mg/L	2.1	NA	NA	NA	< 0.0003	NA	< 0.0003	NA	NA	< 0.0003	NA	NA
Benzo(a)anthracene	mg/L	0.00013	NA	NA	NA	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001	NA	NA
Benzo(a)pyrene	mg/L	0.0002	NA	NA	NA	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA
Benzo(b)fluoranthene	mg/L	0.00018	NA	NA	NA	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001	NA	NA
Benzo(g,h,i)perylene	mg/L	0.21	NA	NA	NA	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA
Benzo(k)fluoranthene	mg/L	0.00017	NA	NA	NA	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001	NA	NA
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	NA	NA	NA	< 0.002	NA	< 0.002	NA	NA	< 0.002	NA	NA
Chrysene	mg/L	0.0015	NA	NA	NA	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001	NA	NA
Dibenzo(a,h)anthracene	mg/L	0.0003	NA	NA	NA	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA
Di-n-butyl phthalate	mg/L	0.7	NA	NA	NA	< 0.01	NA	< 0.01	NA	NA	< 0.01	NA	NA
Fluoranthene	mg/L	0.28	NA	NA	NA	< 0.0003	NA	< 0.0003	NA	NA	< 0.0003	NA	NA
Fluorene	mg/L	0.28	NA	NA	NA	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	NA	NA	NA	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA
m,p-Cresol	mg/L	0.35	NA	NA	NA	< 0.01	NA	< 0.01	NA	NA	< 0.01	NA	NA
o-Cresol	mg/L	0.35	NA	NA	NA	< 0.0004	NA	< 0.0004	NA	NA	< 0.01	NA	NA
Naphthalene	mg/L	0.025	NA	NA	NA	< 0.01	NA	< 0.01	NA	NA	< 0.0004	NA	NA
Phenanthrene	mg/L	0.21	NA	NA	NA	< 0.0006	NA	< 0.0006	NA	NA	< 0.0006	NA	NA
Pyrene	mg/L	0.21	NA	NA	NA	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002	NA	NA
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	**0.46 BJ**	**0.46 BJ**	**0.78 J**	< 2 B	< 2 B	< 2 B
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	**1.1 J**	< 2	< 2	1.2 J	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:

B = Analyte detected in associated method blank
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Taylorville, Illinois

QC Samples Analyte	Unit	USEPA ROD 1992 CUOs	Trip Blank 1 Result 5/15/2023	Trip Blank 2 Result 5/15/2023	Trip Blank 1 Result 9/15/2023	Trip Blank 1 Result 10/25/2023	Equipment Blank 1 Result 10/26/2023	Equipment Blank 2 Result 10/27/2023	Trip Blank 1 Result 2/13/2024	Equipment Blank 1 Result 2/13/2024	Trip Blank 1 Result 5/10/2024	Trip Blank 1 Result 8/30/2024	Equipment Blank 1 Result 8/30/2024
Acenaphthene	mg/L	0.42	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001
Acenaphthylene	mg/L	0.21	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001
Anthracene	mg/L	2.1	NA	NA	NA	NA	< 0.0003	< 0.0003	NA	< 0.0003	NA	NA	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001	NA	NA	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001	NA	NA	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001	NA	NA	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	NA	NA	NA	NA	< 0.002	< 0.002	NA	< 0.002	NA	NA	**0.0017** J
Chrysene	mg/L	0.0015	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001	NA	NA	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	NA	NA	NA	NA	< 0.01	< 0.01	NA	< 0.01	NA	NA	< 0.01
Fluoranthene	mg/L	0.28	NA	NA	NA	NA	< 0.0003	< 0.0003	NA	< 0.0003	NA	NA	< 0.0003
Fluorene	mg/L	0.28	NA	NA	NA	NA	< 0.0002 B	< 0.0002 B	NA	< 0.0002	NA	NA	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002
m,p-Cresol	mg/L	0.35	NA	NA	NA	NA	< 0.01	< 0.01	NA	< 0.01	NA	NA	< 0.01
o-Cresol	mg/L	0.35	NA	NA	NA	NA	< 0.0004	< 0.0004	NA	< 0.0004	NA	NA	**0.00263**
Naphthalene	mg/L	0.025	NA	NA	NA	NA	< 0.01	< 0.01	NA	< 0.01	NA	NA	< 0.01
Phenanthrene	mg/L	0.21	NA	NA	NA	NA	< 0.0006	< 0.0006	NA	< 0.0006	NA	NA	< 0.0006
Pyrene	mg/L	0.21	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002	NA	NA	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	**0.16** J	**0.1** J	< 2	**1.3** J	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:

B = Analyte detected in associated method blank
H = Analysis outside of hold time
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QC Samples Analyte	Unit	USEPA ROD 1992 CUOs	Equipment Blank 1 Result 11/19/2024	Equipment Blank 2 Result 11/22/2024	Trip Blank 1 Result 11/22/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	NA
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	NA
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	NA
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	NA
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	NA
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	NA
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	NA
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	NA
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	NA
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	NA
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	NA
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	NA
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	NA
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	NA
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	NA
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	NA
o-Cresol	mg/L	0.35	< 0.0004	< 0.0004	NA
Naphthalene	mg/L	0.025	< 0.01	< 0.01	NA
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	NA
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	NA
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2

Notes:

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J = Analyte detected below quantitation limits

C = RL shown is a client requested quantitation limit

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mg/L = milligrams per liter

µg/L = micrograms per liter

ATTACHMENT E DATA VALIDATION SUMMARY

ERM

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Portland, OR 97204

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MEMO

TO	Michael Abegg
FROM	Rachel James
DATE	2024-12-30
REFERENCE	0721631
SUBJECT	Data Review of Ameren Taylorville, 4Q24 Groundwater Monitoring Samples. Samples Collected November 19 - 22, 2024: Teklab, Inc., Data Package(s) 24112076R.

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:	Samples with Non-Preferred Results
Table 3:	Holding Time Evaluation
Table 4:	Matrix Spike Evaluation
Table 5:	Surrogate Evaluation
Table 6:	Internal Standard Evaluation
Table 7:	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.

- **24112076:** Although a collection date and time was listed on the chain-of-custody for the trip blank sample, Teklab's policy is to log the trip blank in with the date and time of sample receipt. The analysis of the trip blank sample still would be in hold if the time listed on the chain-of-custody had been used and qualifications were not necessary.

SAMPLES WITH NON-PREFERRED RESULTS

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

- Suspected contamination during sample extraction; re-extracted results are preferred

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

Non-preferred results requiring additional professional judgement are detailed below.

- The laboratory re-extracted and re-analyzed sample EQB-002-WQ-20241122 for semivolatiles due to suspected contamination during the original extraction.

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 the exceptions and any necessary qualifications noted in Table 3.

Holding time situations requiring additional professional judgement are detailed below.

- Equipment blank sample EQB-002-WQ-20241122 was re-extracted and re-analyzed past holding time due to suspected contamination in the original extraction. The non-detected results were rejected (R) due to the holding time exceedance. These equipment blank results cannot be used to assess the potential for contamination to associated project samples due to field collection activities.

INSTRUMENT TUNING EVALUATION

All instrument tuning criteria met method acceptance criteria.

INITIAL CALIBRATION EVALUATION

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

CALIBRATION VERIFICATION EVALUATION

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

LABORATORY BLANK EVALUATION

The laboratory blank sample results were non-detected for each of the target analytes. 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. The LCS/LCSD recoveries and RPDs indicate acceptable laboratory accuracy and precision.

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, with the exceptions and any necessary qualifications noted in Table 5. Results were not qualified if the sample dilution factor was greater than or equal to 10, if high recoveries were associated with non-detected results, if only one acid or base/neutral surrogate for semivolatiles was out, if the affected surrogate was not associated with reported analytes, or if the affected sample was laboratory quality control.

INTERNAL STANDARD EVALUATION

The internal standard responses for reported results were within acceptable limits, with the exceptions and any necessary qualifications noted in Table 6.

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 7.

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

Excluding rejected results, all data can be used for decision-making purposes; however, the limitation identified by the applied qualifier should be considered when using the data. The quality of the data generated during this investigation is acceptable for the preparation of technically defensible documents.

Table 1
Sample Summary
4Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	VOCs (8260B)	SVOCs (8270C)
24112076	GW-04R-WG-20241122	24112076-001	Groundwater	11/22/2024	-	x	x
	GW-05-WG-20241120	24112076-002	Groundwater	11/20/2024	-	x	x
	GW-07-WG-20241121	24112076-003	Groundwater	11/21/2024	-	x	x
	GW-14-WG-20241121	24112076-004	Groundwater	11/21/2024	-	x	x
	GW-15-WG-20241122	24112076-005	Groundwater	11/22/2024	-	x	x
	GW-16S-WG-20241120	24112076-006	Groundwater	11/20/2024	-	x	x
	GW-16D-WG-20241120	24112076-007	Groundwater	11/20/2024	-	x	x
	GW-17-WG-20241120	24112076-008	Groundwater	11/20/2024	-	x	x
	GW-18S-WG-20241120	24112076-009	Groundwater	11/20/2024	-	x	x
	GW-18D-WG-20241120	24112076-010	Groundwater	11/20/2024	-	x	x
	GW-19S-WG-20241119	24112076-011	Groundwater	11/19/2024	-	x	x
	GW-19D-WG-20241119	24112076-012	Groundwater	11/19/2024	-	x	x
	GW-20-WG-20241119	24112076-013	Groundwater	11/19/2024	-	x	x
	GW-22S-WG-20241121	24112076-014	Groundwater	11/21/2024	-	x	x
	GW-22D-WG-20241121	24112076-015	Groundwater	11/21/2024	-	x	x
	DUP-001-WG-20241121	24112076-016	Groundwater	11/21/2024	GW-22S-WG-20241121	x	x
	TB-001-WQ-20241119	24112076-017	Water Quality	11/19/2024	-	x	
	DUP-002-WG-20241122	24112076-018	Groundwater	11/22/2024	GW-04R-WG-20241122	x	x

Table 1
Sample Summary
4Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	VOCs (8260B)	SVOCs (8270C)
24112076	GW-25-WG-20241121	24112076-019	Groundwater	11/21/2024	-	x	x
	GW-26-WG-20241120	24112076-020	Groundwater	11/20/2024	-	x	x
	EQB-001-WQ-20241119	24112076-021	Water Quality	11/19/2024	-	x	x
	EQB-002-WQ-20241122	24112076-022	Water Quality	11/22/2024	-	x	x

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

Table 2
Samples with Non-Preferred Results
4Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Analysis Date/Time	Reason	Analyte	Result	Units
24112076R	EQB-002-WQ-20241122	8270C	12/2/2024 18:52	Suspected contamination during sample extraction; re-extracted results are preferred	All	Varies	mg/L

Notes:
EQB = equipment blank
mg/L = milligrams per liter

Table 3
Holding Time Evaluation
4Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Extraction Holding Time	Total Time	Analysis Holding Time	Total Time	Analyte	ERM Qualifier
24112076R	EQB-002-WQ-20241122 (re-analysis performed on 12/18/2024)	8270C	7 days	25 days	40 days	1 day	All	R

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

Table 4
Matrix Spike Evaluation
4Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
24112076R	GW-25-WG-20241121 MS/MSD	None for qualification, parent sample ND	m,p-Cresol	Pass/56.4	60-109	23.83	18.6	--	--	--

Notes:
-- = not applicable; associated data not affected
MS = matrix spike
MSD = matrix spike duplicate
ND = not detected
RPD = relative percent difference

Table 5
Surrogate Evaluation
4Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Surrogate	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
24112076R	MBLK-231680	8270C	2-Fluorobiphenyl	51.8	64.1-127	None for qualification, QC sample	1	--
			2-Fluorophenol	56.8	67-152			
			Nitrobenzene-d5	57.2	64.8-127			
	LCS-231680	8270C	2-Fluorobiphenyl	54.9	64.1-127	None for qualification, QC sample	1	--
			2-Fluorophenol	61.5	67-152			
			Nitrobenzene-d5	62.6	64.8-127			
	LCS-231775	8270C	2-Fluorobiphenyl	60.9	64.1-127	None for qualification, QC sample	1	--

Notes:
-- = not applicable; associated data not affected
LCS = laboratory control sample
MBLK = method blank
QC = quality control

Table 6
Internal Standard Evaluation
4Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Internal Standard	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
24112076R	GW-04R-WG-20241122	8270C	Naphthalene-d8	Out	NR	None for qualification, associated analytes not reported from run	1	--
	GW-04R-WG-20241122	8270C	Naphthalene-d8	Out	NR	None for qualification, associated analytes not reported from run	100	--
	DUP-002-WG-20241122	8270C	1,4-Dichlorobenzene-d4	Out	NR	None for qualification, associated analytes not reported from run	100	--

Notes:
-- = not applicable; associated data not affected
NR = not reported
Out = recovery outside acceptable limits (high/low unspecified)

Table 7
Field Duplicate Evaluation
4Q24 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					
24112076R	GW-22S-WG-20241121/ DUP-001-WG-20241121	Bis(2-ethylhexyl)phthalate	0.0018	0.00279	0.0020	0.00200	mg/L	0.00099	--	0.00400	--
		Benzene	3.23	3.07	0.50	0.50	µg/L	--	5.1	30	--
	GW-04R-WG-20241122/ DUP-002-WG-20241122	Acenaphthene	0.0341	0.0323	0.00100	0.00100	mg/L	--	5.4	30	--
		Acenaphthylene	0.0133	0.0172	0.00100	0.00100	mg/L	--	26	30	--
		Anthracene	0.0135	0.0158	0.00300	0.00300	mg/L	0.0023	--	0.00600	--
		Benzo(a)anthracene	0.0122	0.0157	0.00100	0.00100	mg/L	--	25	30	--
		Benzo(a)pyrene	0.00177	0.00230	0.000200	0.000200	mg/L	--	26	30	--
		Benzo(b)fluoranthene	0.0172	0.0211	0.00200	0.00200	mg/L	--	20	30	--
		Benzo(g,h,i)perylene	0.00406	0.00584	0.000200	0.00200	mg/L	0.00178	--	0.000400	J
		Benzo(k)fluoranthene	0.00464	0.00720	0.000200	0.00200	mg/L	0.00256	--	0.000400	J
		Chrysene	0.0232	0.0281	0.00200	0.00200	mg/L	--	19	30	--
		Dibenzo(a,h)anthracene	0.00222	0.00289	0.000200	0.000200	mg/L	--	26	30	--
		Fluoranthene	0.0430	0.0628	0.0300	0.0300	mg/L	0.0198	--	0.0600	--
		Fluorene	0.0927	0.0992	0.0200	0.0200	mg/L	0.0065	--	0.0400	--
		Indeno(1,2,3-cd)pyrene	0.00449	0.00598	0.000200	0.000200	mg/L	--	28	30	--
		m,p-Cresol	0.0029	0.0022	0.010	0.010	mg/L	--	--	NA	--
		Naphthalene (8270C)	0.809	0.876	0.400	0.400	mg/L	0.067	--	0.800	--
		o-Cresol	0.0026	0.0020	0.010	0.010	mg/L	--	--	NA	--
		Phenanthrene	0.145	0.214	0.0600	0.0600	mg/L	0.069	--	0.1200	--
		Pyrene	0.0366	0.0441	0.00200	0.00200	mg/L	--	19	30	--
		Benzene	1030	1090	5.00	5.00	µg/L	--	5.7	30	--
		Ethylbenzene	306	319	10.0	10.0	µg/L	--	4.2	30	--
		m,p-Xylenes	79.3	80.5	10.0	10.0	µg/L	--	1.5	30	--
		Naphthalene (8260B)	1120	1160	20.0	20.0	µg/L	--	3.5	30	--
		o-Xylene	188	200	10.0	10.0	µg/L	--	6.2	30	--
		Toluene	171	185	20.0	20.0	µg/L	--	7.9	30	--
		Xylenes, Total	267	281	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
RPD = relative percent difference