July 22, 2024

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

Dear Mr. Miller:

As required by Article IX (A) of the Consent Order (Case #93-3332), this is the Second 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.

Second Quarter 2024 – Events

- Second quarter 2024 groundwater samples collected in May 2024 (results attached).
- Second quarter 2024 pump and treat system samples (results attached).
- On June 4-5, 2024, extraneous off-site monitoring wells (GW-6S, GW-6D, GW-12, and GW-21 and GW-11) were abandoned as approved by the IEPA in the April 12, 2023, correspondence.

Third Quarter 2024 – Plans

- Collect Third quarter groundwater samples in August.
- Perform groundwater treatment system maintenance, including cleaning of the West Extraction Well.

Problems Encountered or Anticipated Problems

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

We have treated 1,367,350,244 gallons of groundwater through the system since startup until the end of June 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 Serivces
Environmental Strategy & Analysis
Ameren Services

Attachments

Attachments

Pumping Summary and Treatment Plant Results (April - June)

Monitoring Well Location Map

Year 2024 Quarter 2 Groundwater Sampling Results

MGP Pump & Treat System Summary
Taylorville, Illinois
April 2024

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Apr-24					
1	7,035,627	35,880	West	NM (1)	52
2	7,071,507	44,912	West	NM (1)	52
3	7,116,419	24,111	West	NM (1)	52
4	7,140,530	37,596	West	NM (1)	52
5	7,178,126	58,730	West	NM (1)	50
6	7,236,856	41,601	West	NM (1)	50
7	7,278,457	47,500	West	NM (1)	50
8	7,325,957	42,314	West	NM (1)	50
9	7,368,271	41,303	West	NM (1)	50
10	7,409,574	22,639	West	NM (1)	50
11	7,432,213	46,145	West	NM (1)	50
12	7,478,358	55,265	West	NM (1)	50
13	7,533,623	55,647	West	NM (1)	50
14	7,589,270	48,551	West	NM (1)	50
15	7,637,821	41,099	West	NM (1)	52
16	7,678,920	44,994	West	NM (1)	52
17	7,723,914	24,834	West	NM (1)	52
18	7,748,748	49,852	West	NM (1)	52
19	7,798,600	36,953	West	NM (1)	52
20	7,835,553	54,716	West	NM (1)	52
21	7,890,269	38,411	West	NM (1)	52
22	7,928,680	43,493	West	NM (1)	52
23	7,972,173	50,480	West	NM (1)	50
24	8,022,653	42,448	West	NM (1)	50
25	8,065,101	53,245	West	NM (1)	50
26	8,118,346	45,112	West	NM (1)	50
27	8,163,458	41,434	West	NM (1)	50
28	8,204,892	55,677	West	NM (1)	50
29	8,260,569	43,277	West	NM (1)	50
30	8,303,846	40,835	West	NM (1)	50
May-24	8,344,681			NM (1)	50

(1) Not measured - RW abandoned

Flow Data	Gallons
For Month	1,309,054
To Pond	1,309,054
Below Pond	-
Average	43,635
Maximum	58,730
Minimum	22,639
Total Through March	1,363,601,335
Total Through April	1,364,910,389

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None	None	
Back Washed Vessels	None	4/22/2024	
Changed Bag Filters	**North**	**Middle**	**South**
	Inoperable	4/4/2024	4/4/2024
	Inoperable	4/11/2024	4/11/2024
	Inoperable	4/18/2024	4/18/2024
	Inoperable	4/25/2024	4/25/2024

Drum Disposal None

Notes:
Increased VFD on 4/9/24 and 4/29/24 due to low GPM on flow sensor.

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
April 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	4/3/2024		4/10/2024		4/17/2024		4/24/2024		Average	Maximum	
Lab pH		-	-	-	6.98	H	8.37	H	6.99	H	7.01	H	7.34	8.37	H
Iron, Dissolved	mg/L	-	-	-	0.274		0.091		ND		ND		0.183	0.274	
Iron, Total	mg/L	-	-	-	1.24		1.36		1.16		1.16		1.23	1.36	
Acenaphthene	mg/L	-	-	0.42	0.0125		0.0189		0.00817		0.0119		0.0129	0.0189	
Acenaphthylene	mg/L	-	-	-	0.00298		0.00974		0.00184		0.00209		0.00416	0.00974	
Anthracene	mg/L	-	-	2.1	0.00440		0.00583		0.00336		0.00412		0.00443	0.00583	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000563**		**0.00149**		**0.000347**		**0.000391**		**0.000698**	**0.00149**	
Benzo(a)pyrene	mg/L	-	-	0.00023	0.000150	J	**0.000902**		ND		0.000180	J	**0.000411**	**0.000902**	
Benzo(b)fluoranthene	mg/L	-	-	-	0.000243		0.001110		ND		0.000216		0.000523	0.001110	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		0.000528		ND		ND		0.000528	0.000528	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		0.000224		ND		ND		0.000224	0.000224	
Chrysene	mg/L	-	-	-	0.000318		0.000824		0.000218		0.000313		0.000418	0.000824	
Dibenzo(a,h)anthracene	mg/L	-	-	-	0.000200		ND		ND		ND		0.000200	0.000200	
Fluoranthene	mg/L	-	-	0.28	0.00377		0.00477		0.00292		0.00362		0.00377	0.00477	
Fluorene	mg/L	-	-	-	0.00962		0.01180		0.00741		0.00853		0.00934	0.01180	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		0.000362		ND		ND		0.000362	0.000362	
m,p-Cresol	mg/L	-	-	0.35	ND		0.00089	J	ND		ND		0.00089	0.00089	J
o-Cresol	mg/L	-	-	0.35	0.0023	J	0.0015	J	0.0012	J	0.0024	J	0.0019	0.0024	J
Phenanthrene	mg/L	-	-	-	0.0197		0.0270		0.0118		0.0168		0.0188	0.0270	
Pyrene	mg/L	-	-	-	0.00473		0.00616		0.00358		0.00425		0.00468	0.00616	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0590		0.0897		0.0396		0.0524		0.0602	0.0897	
Benzene	µg/L	-	-	5	**116**		**124**		**121**		**107**		**117**	**124**	
Ethylbenzene	µg/L	-	-	700	20.4		18.7		19.3		23.8		20.6	23.8	
m,p-Xylenes	µg/L	-	-	-	38.6		40.4		36.0		32.6		36.9	40.4	
Naphthalene	µg/L	-	-	25	**157**		**147**		**135**		**162**		**150**	**162**	
o-Xylene	µg/L	-	-	-	20.5		22.2		19.7		17.9		20.1	22.2	
Toluene	µg/L	-	-	1000	56.5		53.7		52.4		59.4		55.5	59	
Xylenes, Total	µg/L	-	-	10000	59.1		62.6		55.7		50.5		57.0	62.6	

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

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	4/3/2024		4/10/2024		4/17/2024		4/24/2024		Average	Maximum	
Lab pH		-	-	-	6.98	H	7.64	H	7.06	H	6.99	H	7.17	7.64	H
Iron, Dissolved	mg/L	-	-	-	0.0290	J	0.0330	J	ND		0.0280	J	0.0300	0.0330	J
Iron, Total	mg/L	-	-	-	ND		0.0980		0.0370	J	ND		0.0675	0.0980	
Acenaphthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	-	-	1.0		ND		ND		2.3		1.7	2.3	
Ethylbenzene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Toluene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	

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

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
April 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	4/3/2024		4/10/2024		4/17/2024		4/24/2024		Average	Maximum	
Lab pH		-	-	-	7.00	H	7.74	H	7.29	H	7.03	H	7.27	7.74	H
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND		0.023	J	ND		ND		0.023	0.023	J
Acenaphthene	mg/L	-	0.0608	-	ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	0.0023	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	0.001	-	ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	0.053	0.398	-	ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND	SR	ND	ND	
o-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND	SR	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	S	ND	ND	
Ethylbenzene	µg/L	17	216	-	ND		ND		ND		ND	S	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	S	ND	ND	
Xylenes, Total	µg/L	117	750	-	ND		ND		ND		ND		ND	ND	

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

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	4/5/2024	4/10/2024	4/17/2024	4/24/2024	Average	Maximum
Benzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
m,p-Xylenes	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Naphthalene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
o-Xylene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Toluene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	ND	ND	ND	ND	ND

ND=Not detected above the project acceptable detection limit

MGP Pump & Treat System Summary
Taylorville, Illinois
May 2024

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
May-24					
1	8,344,681	23,416	West	NM (1)	50
2	8,368,097	37,112	West	NM (1)	50
3	8,405,209	52,229	West	NM (1)	50
4	8,457,438	54,144	West	NM (1)	50
5	8,511,582	43,604	West	NM (1)	50
6	8,555,186	40,393	West	NM (1)	50
7	8,595,579	39,439	West	NM (1)	50
8	8,635,018	22,121	West	NM (1)	50
9	8,657,139	33,130	West	NM (1)	50
10	8,690,269	42,827	West	NM (1)	52
11	8,733,096	32,514	West	NM (1)	52
12	8,765,610	30,147	West	NM (1)	58
13	8,795,757	41,042	West	NM (1)	58
14	8,836,799	42,493	West	NM (1)	52
15	8,879,292	23,590	West	NM (1)	52
16	8,902,882	43,605	West	NM (1)	52
17	8,946,487	35,612	West	NM (1)	50
18	8,982,099	32,201	West	NM (1)	50
19	9,014,300	48,031	West	NM (1)	50
20	9,062,331	42,391	West	NM (1)	50
21	9,104,722	40,943	West	NM (1)	50
22	9,145,665	31,912	West	NM (1)	51
23	9,177,577	46,241	West	NM (1)	50
24	9,223,818	36,974	West	NM (1)	50
25	9,260,792	56,084	West	NM (1)	50
26	9,316,876	44,980	West	NM (1)	50
27	9,361,856	49,637	West	NM (1)	52
28	9,411,493	38,390	West	NM (1)	52
29	9,449,883	21,275	West	NM (1)	52
30	9,471,158	42,041	West	NM (1)	52
31	9,513,199	31,527	West	NM (1)	52
Jun-24	9,544,726		West	NM (1)	52

(1) Not measured - RW abandoned

Flow Data	**Gallons**
For Month	1,200,045
To Pond	1,200,045
Below Pond	0
Average	38,711
Maximum	56,084
Minimum	21,275
Total Through April	1,364,910,389
Total Through May	1,366,110,434

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None	None	
Back Washed Vessels	None	None	
Changed Bag Filters	**North**	**Middle**	**South**
	Inoperable	5/2/2024	5/2/2024
	Inoperable	5/9/2024	5/9/2024
	Inoperable	5/16/2024	5/16/2024
	Inoperable	5/23/2024	5/23/2024
	Inoperable	5/30/2024	5/30/2024
Drum Disposal	None		

Note:
Increased VFD on 5/17/24 , 5/21/24 and 5/22/24 due to low GPM.

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
May 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	5/1/2024		5/10/2024		5/15/2024		5/22/2024		5/29/2024		Average	Maximum	
Lab pH		-	-	-	6.90	H	6.97	H	6.90	H	6.99	H	7.02	H	6.96	7.02	H
Iron, Dissolved	mg/L	-	-	-	ND		0.764		0.026	J	ND		ND		0.395	0.764	
Iron, Total	mg/L	-	-	-	1.17		1.26		1.34		1.32		1.65		1.35	1.65	
Acenaphthene	mg/L	-	-	0.42	0.00961		0.0175		0.0186		0.0167		0.00975		0.01443	0.01860	
Acenaphthylene	mg/L	-	-	-	0.00222		0.00381		0.00409		0.00490		0.00156		0.00332	0.00490	
Anthracene	mg/L	-	-	2.1	0.00341		0.00446		0.00472		0.00435		0.00384		0.00416	0.00472	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000215**		**0.000247**		**0.000235**		**0.000473**		**0.000315**		**0.000297**	**0.000473**	
Benzo(a)pyrene	mg/L	-	-	0.00023	ND		ND		ND		0.000213		ND		0.000213	0.000213	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		0.000211		ND		0.000211	0.000211	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		0.00015	J	ND		0.00015	0.00015	J
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	0.000180	J	0.000250		0.000254		0.000487		0.000288		0.000292	0.000487	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00284		0.00394		0.00375		0.00366		0.00350		0.00354	0.00394	
Fluorene	mg/L	-	-	-	0.00736		0.01140		0.01100		0.00993		0.00760		0.00946	0.01140	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	ND		0.00069	J	ND		0.00079	J	ND		0.00074	0.00079	J
o-Cresol	mg/L	-	-	0.35	0.00088	J	0.00320	J	0.00230	J	0.00150	J	0.00077	J	0.00173	0.00320	J
Phenanthrene	mg/L	-	-	-	0.0127		0.0181		0.0186		0.0185		0.0117		0.0159	0.0186	
Pyrene	mg/L	-	-	-	0.00333		0.00448		0.00442		0.00447		0.00413		0.00417	0.00448	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0418		0.0642		0.0657		0.0640		0.0427		0.0557	0.0657	
Benzene	µg/L	-	-	5	**109**		**133**		**131**		**106**		**102**		**116**	**133**	
Ethylbenzene	µg/L	-	-	700	16.4		25.2		23.0		13.2		11.8		17.9	25.2	
m,p-Xylenes	µg/L	-	-	-	33.7		35.2		39.3		34.3		34.1		35.3	39.3	
Naphthalene	µg/L	-	-	25	**169**		**171**		**149**		**93.1**		**102**		**137**	**171**	
o-Xylene	µg/L	-	-	-	18.6		19.5		21.5		19.3		18.8		19.5	21.5	
Toluene	µg/L	-	-	1000	44.9		62.6		58.8		39.4		35.3		48.2	62.6	
Xylenes, Total	µg/L	-	-	10000	52.3		54.7		60.8		53.6		52.9		54.9	60.8	

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

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	5/1/2024		5/10/2024		5/15/2024		5/22/2024		5/29/2024		Average	Maximum	
Lab pH		-	-	-	6.86	H	6.95	H	6.91	H	6.98	H	7.02	H	6.94	7.02	H
Iron, Dissolved	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	-	-	-	ND		ND		ND		0.023	J	ND		0.023	0.023	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		0.000072	J	ND		0.000072	0.000072	J
Benzo(a)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		0.00016	J	ND		0.00016	0.00016	J
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		0.00016	J	ND		0.00016	0.00016	J
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		0.00018	J	ND		0.00018	0.00018	J
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		ND		ND		0.000417		ND		0.000417	0.000417	
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		0.000303		ND		0.000303	0.000303	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	-	-	1.5		0.8		0.5		0.4	J	ND		0.8	1.5	
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		1.7		1.2		ND		1.5	1.7	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Toluene	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	

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

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
May 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	5/1/2024		5/10/2024		5/15/2024		5/22/2024		5/29/2024		Average	Maximum	
Lab pH		-	-	-	6.92	H	7.01	H	7.02	H	7.03	H	7.02	H	7.00	7.03	H
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND		ND		ND		0.038	J	ND		0.038	0.038	J
Acenaphthene	mg/L	-	0.0608	-	ND		ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	0.0023	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	0.001	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	0.053	0.398	-	ND		ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		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 reporting limits
H = Holding times exceeded

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	5/1/2024	5/10/2024	5/15/2024	5/22/2024	5/29/2024	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 reporting limits

MGP Pump & Treat System Summary
Taylorville, Illinois
June 2024

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Jun-24					
1	9,544,726	40,484	West	NM (1)	52
2	9,585,210	44,097	West	NM (1)	52
3	9,629,307	37,297	West	NM (1)	52
4	9,666,604	42,371	West	NM (1)	52
5	9,708,975	26,771	West	NM (1)	52
6	9,735,746	49,021	West	NM (1)	52
7	9,784,767	36,879	West	NM (1)	50
8	9,821,646	42,752	West	NM (1)	50
9	9,864,398	44,099	West	NM (1)	52
10	9,908,497	37,622	West	NM (1)	52
11	9,946,119	32,141	West	NM (1)	52
12	9,978,260	- (2)	West	NM (1)	52
13	18,299	43,041	West	NM (1)	52
14	61,340	35,831	West	NM (1)	50
15	97,171	40,583	West	NM (1)	50
16	137,754	63,213	West	NM (1)	50
17	200,967	46,889	West	NM (1)	50
18	247,856	45,644	West	NM (1)	50
19	293,500	27,060	West	NM (1)	50
20	320,560	37,534	West	NM (1)	50
21	358,094	39,482	West	NM (1)	50
22	397,576	33,844	West	NM (1)	50
23	431,420	79,123	West	NM (1)	50
24	510,543	59,926	West	NM (1)	48
25	570,469	2,426	West	NM (1)	46
26	572,895	32,828	West	NM (1)	48
27	605,723	52,031	West	NM (1)	48
28	657,754	50,612	West	NM (1)	48
29	708,366	55,833	West	NM (1)	48
30	764,199	60,376	West	NM (1)	48
Jul-24	824,575				

(1) Not measured - RW abandoned
(2) Totalizer Reset

Flow Data	**Gallons**
For Month	1,239,810
To Pond	1,239,810
Below Pond	0
Average	41,615
Maximum	79,123
Minimum	2,426
Total Through May	1,366,110,434
Total Through June	1,367,350,244

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None	None	
Back Washed Vessels	6/11/2024	6/11/2024	
Changed Bag Filters	**North**	**Middle**	**South**
	Inoperable	6/6/2024	6/6/2024
	Inoperable	6/13/2024	6/13/2024
	Inoperable	6/19/2024	6/19/2024
	Inoperable	6/27/2024	6/27/2024
Drum Disposal	None		

Notes: Increased VFD on 6/2/2024 through 6/5/2024, 6/15/2024, and 6/21/2024 due to low GPM.

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
June 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	6/5/2024		6/12/2024		6/19/2024		6/26/2024		Average	Maximum	
Lab pH		-	-	-	6.99	H	7.02	H	6.93	H	7.02	H	6.98	7.02	H
Iron, Dissolved	mg/L	-	-	-	ND		0.047		ND		ND		0.047	0.047	
Iron, Total	mg/L	-	-	-	1.86		1.10		1.11		5.72		2.45	5.72	
Acenaphthene	mg/L	-	-	0.42	0.0102		0.0162		0.00464		0.00489		0.0090	0.0162	
Acenaphthylene	mg/L	-	-	-	0.00162		0.00502		0.00051		0.00756		0.00368	0.00756	
Anthracene	mg/L	-	-	2.1	0.00405		0.00457		0.0023		0.0177		0.00716	0.01770	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000479**		**0.000403**		**0.000176**		**0.014000**		**0.003765**	**0.014000**	
Benzo(a)pyrene	mg/L	-	-	0.00023	0.00012	J	0.00017	J	ND		0.0139		0.00017	0.00017	J
Benzo(b)fluoranthene	mg/L	-	-	-	0.00019	J	0.00013	J	ND		0.00983		0.00019	0.00019	J
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		0.00581		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		0.00318		ND	ND	
Chrysene	mg/L	-	-	-	0.000392		0.000317		0.000140	J	0.012300		0.003287	0.012300	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		0.00116		0.00116	0.00116	
Fluoranthene	mg/L	-	-	0.28	0.00438		0.00345		0.00215		0.03000		0.01000	0.03000	
Fluorene	mg/L	-	-	-	0.00823		0.00980		0.00473		0.00693		0.00742	0.00980	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		0.00400		0.00400	0.00400	
m,p-Cresol	mg/L	-	-	0.35	ND		0.00081	J	ND		ND		0.00081	0.00081	J
o-Cresol	mg/L	-	-	0.35	ND		0.00200	J	ND		ND		0.00200	0.00200	J
Phenanthrene	mg/L	-	-	-	0.0120		0.0199		0.00634		0.0254		0.0159	0.0254	
Pyrene	mg/L	-	-	-	0.00558		0.00392		0.00231		0.0384		0.01255	0.03840	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0472		0.0639		0.0233		0.195		0.0824	0.1950	
Benzene	µg/L	-	-	5	**109**		**135**		**88.6**		**93.3**		**106**	**135**	
Ethylbenzene	µg/L	-	-	700	13.0		28.9		16.2		24.5		20.7	28.9	
m,p-Xylenes	µg/L	-	-	-	34.4		38.0		31.3		30.3		33.5	38.0	
Naphthalene	µg/L	-	-	25	**116**		**181**		**104**		**213**		**154**	**213**	
o-Xylene	µg/L	-	-	-	20.2		20.8		18.1		17.8		19.2	20.8	
Toluene	µg/L	-	-	1000	39		67		41		53		50	67	
Xylenes, Total	µg/L	-	-	10000	54.6		58.8		49.4		48.1		52.7	58.8	

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
June 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	6/5/2024		6/12/2024		6/19/2024		6/26/2024		Average	Maximum	
Lab pH		-	-	-	7.02	H	6.98	H	6.99	H	7.03	H	7.01	7.03	H
Iron, Dissolved	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	-	-	-	0.023	J	ND		ND		ND		0.023	0.023	J
Acenaphthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzene	µg/L	-	-	-	0.2	J	2.7		ND		0.6		1.2	2.7	
Ethylbenzene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	-	-	ND		1.9		ND		2.2		2.1	2.2	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Toluene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	

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

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
June 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	6/5/2024		6/12/2024		6/19/2024		6/26/2024		Average	Maximum	
Lab pH		-	-	-	6.98	H	7.06	H	7.05	H	7.06	H	7.04	7.06	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	S	ND		ND		ND		ND	ND	S
Acenaphthylene	mg/L	-	-	-	ND	S	ND		ND		ND		ND	ND	S
Anthracene	mg/L	-	0.0023	-	ND	R	ND		ND		ND		ND	ND	R
Benzo(a)anthracene	mg/L	-	0.001	-	ND	R	ND		ND		ND		ND	ND	R
Benzo(a)pyrene	mg/L	-	0.0005	-	ND	SR	ND		ND		ND		ND	ND	SR
Benzo(b)fluoranthene	mg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	R
Benzo(g,h,i)perylene	mg/L	-	-	-	ND	SR	ND		ND		ND		ND	ND	SR
Benzo(k)fluoranthene	mg/L	-	-	-	ND	R	ND		ND		ND		ND	ND	R
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	SR	ND		ND		ND		ND	ND	SR
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND	SR	ND		ND		ND		ND	ND	SR
o-Cresol	mg/L	-	1.9	-	ND	SR	ND		ND		ND		ND	ND	SR
Phenanthrene	mg/L	-	0.01	-	ND	R	ND		ND		ND		ND	ND	R
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	

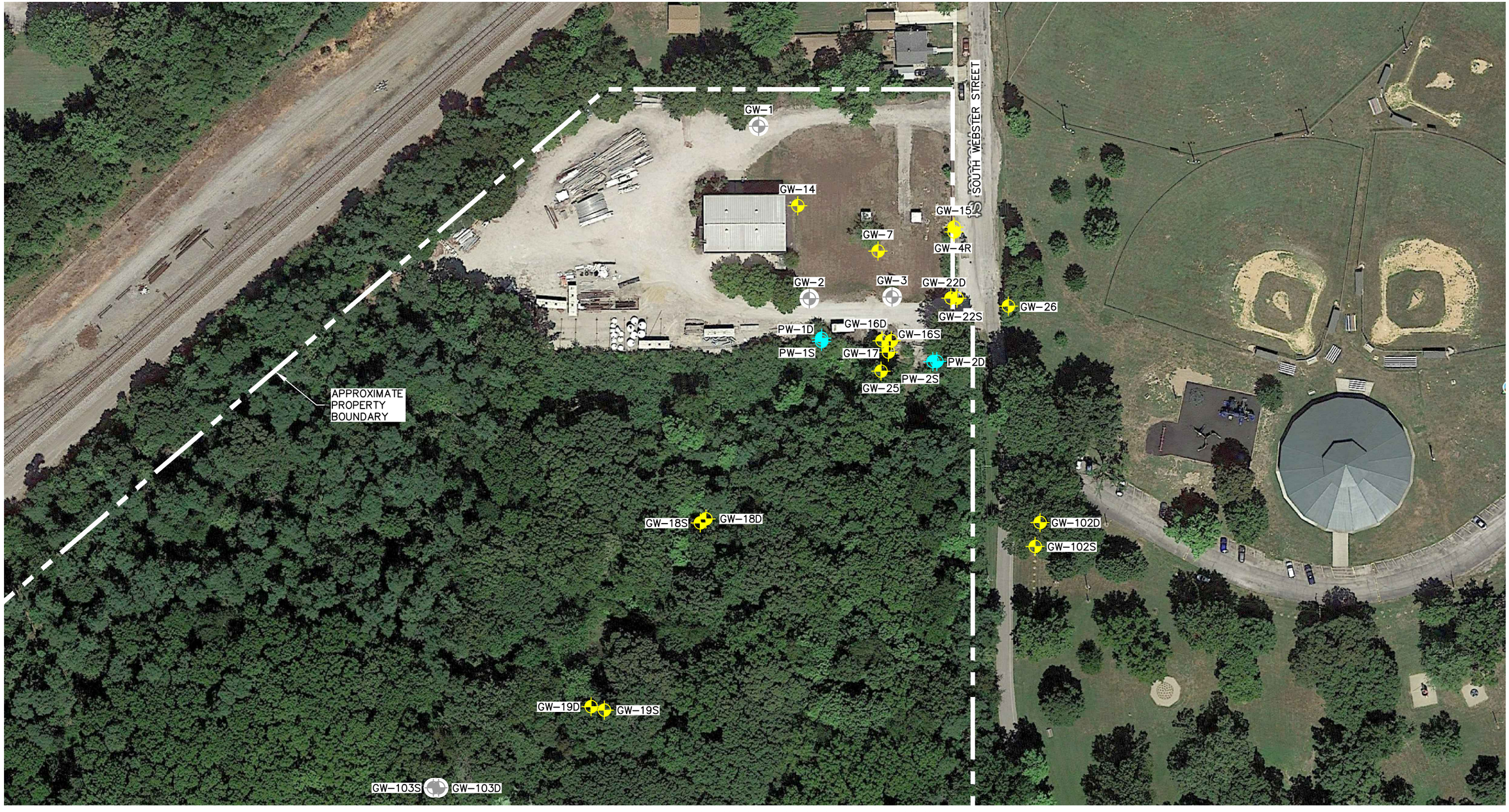
ND=Not detected above the project acceptable detection limit
J=Analyte detected below quantitation limits
B=Analyte found in the method blank at a concentration
S=Spike recovery outside recovery limits
R= MS/MSD relative percent difference outside recovery limits
H= Holding times exceeded

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	6/5/2024	6/12/2024	6/19/2024	6/26/2024	Average	Maximum
Benzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
m,p-Xylenes	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Naphthalene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
o-Xylene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Toluene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	ND	ND	ND	ND	ND

ND=Not detected above the project acceptable detection limit

MONITORING WELL LOCATION MAP



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

LEGEND

- MONITORING WELL
- PERFORMANCE MONITORING WELL
- ABANDONED MONITORING WELL

N

0 100 200

SCALE (IN FEET)

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

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

1968 Craig Road
Suite 100
Saint Louis, MO 63146

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erm.com

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

DATE
14 June 2024

SUBJECT
Year 2024 Quarter 2 Groundwater Sampling Results
Former MGP Site – Taylorville, Illinois

REFERENCE
0721631

Dear Dave:

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

Groundwater sampling activities for the second quarter of 2024 occurred from 7 May through 10 May 2024.

The laboratory analytical results from the second quarter of groundwater sampling, provided by Teklab, Inc., are presented in Attachment A. A summary table of the second quarter 2024 sampling results is presented in Attachment B, while groundwater sampling data from 2020 to the present for each monitoring well is presented in Attachment C. The data validation summary for the second quarter of 2024 is presented in Attachment D. The laboratory analytical results from two rounds of well redevelopment of GW-4R and GW-22S, provided by Teklab, Inc., are presented in Attachment E.

Groundwater Sampling Results

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

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

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Bis(2-ethylhexyl)phthalate was detected from a groundwater sample collected from monitoring well GW-14 above its applicable ROs. This finding is consistent with historical groundwater analytical results at this location.

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-22S, GW-22D, GW-25, and GW-26, did not have any exceedances of the ROs for the primary Site constituents of concern (COC), with one exception discussed below.

Benzene was detected in a groundwater sample collected from monitoring well GW-22S above its RO in the second quarter 2024 sampling event. Benzene was also detected above its RO at this location in the first quarter 2024 groundwater sampling event. However, through the first quarter of 2020 to the fourth quarter of 2023, benzene has not been detected above laboratory reporting limits from samples collected at monitoring well GW-22S . It is assumed that the observed increase in benzene concentration in the first and second quarter of 2024 is temporary, and due to Pilot Study activities performed in fall of 2023 that occurred adjacent to the location of GW-22S.

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

DATA VALIDATION

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

Additional data review of calibration, internal standards and recalculation was completed for 20 percent of the samples. Following the data validation, none of the sample results required rejection, and the quality of the data generated was determined to be acceptable and usable for decision-making purpose. The imitations indicated by the following applied qualifiers should be considered when using this data. A ‘j’ qualifier indicates the result is an estimated concentration, below laboratory reporting limits which is added by the laboratory. A ‘J’ qualifier indicates an estimated concentration qualifier added following data validation. A ‘J+’ qualifier indicates the result is an estimated concentration with a high bias. A ‘UJ’ qualifier indicates that the

result is non-detected with an estimated report limit. Note these qualifiers are applied to sample results in the summary table provided in Attachment C.

Monitoring Well Abandonments

As discussed in previous groundwater sampling reports, monitoring wells GW-01, GW-02 and GW-03 were abandoned after approval between 5 July 2023 and 8 February 2024. Therefore, groundwater samples were not collected from monitoring wells GW-01, GW-02, and GW-03 during the second quarter groundwater 2024 sampling event.

In a letter dated 7 March 2023, ERM on behalf of Ameren requested permission from the IEPA to abandon 19 offsite monitoring wells: GW-6S, GW-6D, GW-8S, GW-8D, GW-9S, GW-9D, GW-10, GW-11, GW-12, GW-13S, GW-13D, GW-21, GW-23, GW-24, GW-101S, GW-102S, GW-102D, GW-103S, and GW-103D. This request was approved by IEPA in a letter dated 12 April 2023.

After obtaining access from property owners and notifying the local health department, GW-10, GW-13S, GW-13D, GW-103S, and GW-103D were abandoned by GeoServe Inc, an Illinois licensed driller, on 4 December 2023 through 5 December 2023. The well sealing forms for the abandonment of these monitoring wells were submitted to the Illinois Department of Health (IDPH) on 13 December 2023. As a result of these abandonments, a groundwater sample was not collected from monitoring wells GW-13S, GW-13D, GW-103S and GW-103D in the second quarter 2024 groundwater sampling, which have previously been included in the annual (second quarter) sampling events.

After obtaining access from the property owner and notifying the local health department, GW-9S, GW-9D were abandoned by GeoServe Inc, an Illinois licensed driller, on 7 February 2023. The well sealing forms for the abandonment of these monitoring wells were submitted to the IDPH on 12 February 2023. As a result of these abandonments, a groundwater sample was not collected from monitoring wells, GW-9S and GW-9D in the second quarter 2024 groundwater sampling which have previously been included in the annual (second quarter) sampling events.

Monitoring Well Redevelopment and Monitoring Well Condition

On 12 February 2024, the well protector of GW-04R was observed to be slightly bent to the east. Groundwater gauging and groundwater sampling has still able to be performed during the past two quarterly sampling events, and the well casing appears to be intact. ERM redeveloped monitoring well GW-04R on 27 March 2024 through 3 April 2024 and 17 April 2024 through 26 April 2024. A total of 715 gallons of groundwater was purged from this monitoring well. A groundwater sample was collected from this monitoring well at the end of each round of redevelopment. Analytical results from samples collected post redevelopment are provided in Attachment E.

Due to the concentrations of benzene observed in the first quarter of 2024 in the sample collected from monitoring wells GW-22S, ERM redeveloped this monitoring well prior to the second quarter 2024 groundwater sampling event on 27 March 2024 through 3 April 2024 and 17 April 2024 through 26 April 2024. A total of 795 gallons of groundwater was purged from this monitoring well. A sample was collected from this monitoring well at the end of each round of redevelopment. Analytical results from samples collected post redevelopment are provided in Attachment E.

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

Sincerely,

Michael Abegg, RG (MO)
Senior Consultant

ATTACHMENT A ANALYTICAL RESULTS – MAY 2024

June 04, 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 2nd Qtr 2024 **WorkOrder:** 24050941

Dear Michael Abegg:

TEKLAB, INC received 27 samples on 5/10/2024 11:48:00 AM for the analysis presented in the following report.

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

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

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

Sincerely,

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

Report Contents

http://www.teklabinc.com/

Client: ERM

Work Order: 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024

Report Date: 04-Jun-24

This reporting package includes the following:

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Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-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)

Definitions

Client: ERM

Work Order: 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024

Report Date: 04-Jun-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: 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024

Report Date: 04-Jun-24

Cooler Receipt Temp: 5.1 °C

This report was revised on June 3, 2024 per Michael Abegg's request for rechecks for Naphthalene by 8260 in GW-05, GW-101S, and GW-102S. The reason for the revision is report the re-analysis. Please replace report dated May 21, 2024 with this report. EAH 6/3/24

This is the second revision for this WO last revised on June 4, 2024, per Rachel James' request. The reason for this revision is to include the following explanation for the reported re-analysis: GW-05, GW-101S, and GW-102S were re-analyzed per Michael Abegg's request; the analyst determined that the originally reported Naphthalene values for these samples were likely carryover from the sample that preceded them in the analytical run/s. Please replace report dated June 3, 2024 with this report. EAH 6/4/24

Locations

Collinsville

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

Springfield

Address 3920 Pintail Dr
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Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
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Phone (618) 344-1004
Fax (618) 344-1005
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Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Accreditations

http://www.teklabinc.com/

Client: ERM

Work Order: 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024

Report Date: 04-Jun-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	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	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

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-001
Client Sample ID: GW-04R-WG-20240510
Matrix: GROUNDWATER
Collection Date: 05/10/2024 9:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.00700	0.0100		**0.0171**	mg/L	100	05/20/2024 14:43	223004
Acenaphthylene	NELAP	0.0050	0.010	J	**0.0062**	mg/L	100	05/20/2024 14:43	223004
Anthracene	NELAP	).000200	0.000300		**0.00122**	mg/L	1	05/17/2024 13:42	223004
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000205**	mg/L	1	05/17/2024 13:42	223004
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/17/2024 13:42	223004
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/17/2024 13:42	223004
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/17/2024 13:42	223004
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/17/2024 13:42	223004
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/17/2024 13:42	223004
Chrysene	NELAP	).000120	0.000200		**0.000455**	mg/L	1	05/17/2024 13:42	223004
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/17/2024 13:42	223004
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/17/2024 13:42	223004
Fluoranthene	NELAP	0.0270	0.0300		**ND**	mg/L	100	05/20/2024 14:43	223004
Fluorene	NELAP	0.0170	0.0200		**0.0672**	mg/L	100	05/20/2024 14:43	223004
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/17/2024 13:42	223004
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/17/2024 13:42	223004
Naphthalene	NELAP	0.160	0.400		**1.02**	mg/L	1000	05/20/2024 16:01	223004
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/17/2024 13:42	223004
Phenanthrene	NELAP	0.0530	0.0600		**0.0679**	mg/L	100	05/20/2024 14:43	223004
Pyrene	NELAP	).000180	0.000200		**0.00362**	mg/L	1	05/17/2024 13:42	223004
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**85.8**	%REC	1	05/17/2024 13:42	223004
Surr: 2-Fluorobiphenyl	*	0	39.6-113	S	**128.4**	%REC	1	05/17/2024 13:42	223004
Surr: 2-Fluorophenol	*	0	32.2-111		**78.3**	%REC	1	05/17/2024 13:42	223004
Surr: Nitrobenzene-d5	*	0	41.1-114	S	**146.2**	%REC	1	05/17/2024 13:42	223004
Surr: Phenol-d5	*	0	23.2-103		**67.3**	%REC	1	05/17/2024 13:42	223004
Surr: p-Terphenyl-d14	*	0	46.8-149		**94.7**	%REC	1	05/17/2024 13:42	223004

Elevated reporting limit due to high levels of target analytes.
Surrogate recovery is outside control limits due to matrix interference.
Allowable Marginal Exceedance of Benzo(a)anthracene and Pyrene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.50	5.00		**1130**	µg/L	10	05/13/2024 14:47	222867
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/10/2024 21:56	222827
Ethylbenzene	NELAP	1.00	10.0		**295**	µg/L	10	05/13/2024 14:47	222867
m,p-Xylenes	NELAP	0.22	1.00		**226**	µg/L	1	05/10/2024 21:56	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/10/2024 21:56	222827
Naphthalene	NELAP	5.70	20.0	E	**2300**	µg/L	10	05/13/2024 14:47	222867
o-Xylene	NELAP	0.05	1.00		**196**	µg/L	1	05/10/2024 21:56	222827
Toluene	NELAP	0.10	2.00		**132**	µg/L	1	05/10/2024 21:56	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/10/2024 21:56	222827
Xylenes, Total	NELAP	0.28	2.00		**422**	µg/L	1	05/10/2024 21:56	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.7**	%REC	1	05/10/2024 21:56	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.2**	%REC	1	05/10/2024 21:56	222827
Surr: Dibromofluoromethane	*	0	80-120		**105.2**	%REC	1	05/10/2024 21:56	222827
Surr: Toluene-d8	*	0	80-120		**101.7**	%REC	1	05/10/2024 21:56	222827

Results for naphthalene are estimated due to sample result being outside the calibration range. Insufficient sample for re-analysis.

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-002
Client Sample ID: GW-05-WG-20240507
Matrix: GROUNDWATER
Collection Date: 05/07/2024 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	05/14/2024 0:13	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 0:13	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 0:13	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 0:13	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 0:13	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 0:13	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 0:13	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 0:13	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2024 0:13	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 0:13	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 0:13	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 0:13	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 0:13	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 0:13	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 0:13	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 0:13	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 0:13	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 0:13	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 0:13	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 0:13	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**75.3**	%REC	1	05/14/2024 0:13	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**64.9**	%REC	1	05/14/2024 0:13	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**63.0**	%REC	1	05/14/2024 0:13	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**66.9**	%REC	1	05/14/2024 0:13	222840
Surr: Phenol-d5	*	0	23.2-103		**56.9**	%REC	1	05/14/2024 0:13	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**64.4**	%REC	1	05/14/2024 0:13	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/10/2024 22:21	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/10/2024 22:21	222827
Ethylbenzene	NELAP	0.10	1.0	J	**0.23**	µg/L	1	05/10/2024 22:21	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/10/2024 22:21	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/10/2024 22:21	222827
Naphthalene	NELAP	0.57	2.00	H	**ND**	µg/L	1	05/31/2024 14:32	223697
o-Xylene	NELAP	0.05	1.0	J	**0.15**	µg/L	1	05/10/2024 22:21	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/10/2024 22:21	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/10/2024 22:21	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/10/2024 22:21	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**98.8**	%REC	1	05/10/2024 22:21	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.2**	%REC	1	05/10/2024 22:21	222827
Surr: Dibromofluoromethane	*	0	80-120		**99.7**	%REC	1	05/10/2024 22:21	222827
Surr: Toluene-d8	*	0	80-120		**100.8**	%REC	1	05/10/2024 22:21	222827

Sample required re-analysis for naphthalene out of hold time.

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-003
Client Sample ID: GW-07-WG-20240509
Matrix: GROUNDWATER
Collection Date: 05/09/2024 14:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**0.000136**	mg/L	1	05/16/2024 11:39	223004
Acenaphthylene	NELAP	).000050	0.000100		**0.000177**	mg/L	1	05/16/2024 11:39	223004
Anthracene	NELAP	).000200	0.000300		**0.00193**	mg/L	1	05/16/2024 11:39	223004
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000218**	mg/L	1	05/16/2024 11:39	223004
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/16/2024 11:39	223004
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/16/2024 11:39	223004
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 11:39	223004
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 11:39	223004
Bis(2-ethylhexyl)phthalate	NELAP	0.00286	0.00400		**0.00748**	mg/L	2	05/20/2024 12:45	223004
Chrysene	NELAP	).000120	0.000200		**0.000204**	mg/L	1	05/16/2024 11:39	223004
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 11:39	223004
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/16/2024 11:39	223004
Fluoranthene	NELAP	).000270	0.000300		**0.00129**	mg/L	1	05/16/2024 11:39	223004
Fluorene	NELAP	).000170	0.000200		**0.000343**	mg/L	1	05/16/2024 11:39	223004
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/16/2024 11:39	223004
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/16/2024 11:39	223004
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/16/2024 11:39	223004
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/16/2024 11:39	223004
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/16/2024 11:39	223004
Pyrene	NELAP	).000180	0.000200		**0.00336**	mg/L	1	05/16/2024 11:39	223004
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**107.1**	%REC	1	05/16/2024 11:39	223004
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**92.0**	%REC	1	05/16/2024 11:39	223004
Surr: 2-Fluorophenol	*	0	32.2-111		**88.6**	%REC	1	05/16/2024 11:39	223004
Surr: Nitrobenzene-d5	*	0	41.1-114		**97.2**	%REC	1	05/16/2024 11:39	223004
Surr: Phenol-d5	*	0	23.2-103		**66.0**	%REC	1	05/16/2024 11:39	223004
Surr: p-Terphenyl-d14	*	0	46.8-149		**98.9**	%REC	1	05/16/2024 11:39	223004

Allowable Marginal Exceedance of Benzo(a)anthracene and Pyrene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/10/2024 22:45	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/10/2024 22:45	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/10/2024 22:45	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/10/2024 22:45	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/10/2024 22:45	222827
Naphthalene	NELAP	0.57	2.00		**2.81**	µg/L	1	05/10/2024 22:45	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/10/2024 22:45	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/10/2024 22:45	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/10/2024 22:45	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/10/2024 22:45	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.1**	%REC	1	05/10/2024 22:45	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.9**	%REC	1	05/10/2024 22:45	222827
Surr: Dibromofluoromethane	*	0	80-120		**100.6**	%REC	1	05/10/2024 22:45	222827
Surr: Toluene-d8	*	0	80-120		**101.8**	%REC	1	05/10/2024 22:45	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-004
Client Sample ID: GW-14-WG-20240509
Matrix: GROUNDWATER
Collection Date: 05/09/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/16/2024 12:17	223004
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/16/2024 12:17	223004
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/16/2024 12:17	223004
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/16/2024 12:17	223004
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/16/2024 12:17	223004
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/16/2024 12:17	223004
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 12:17	223004
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 12:17	223004
Bis(2-ethylhexyl)phthalate	NELAP	0.00286	0.00400		**0.00604**	mg/L	2	05/20/2024 13:24	223004
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 12:17	223004
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 12:17	223004
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/16/2024 12:17	223004
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/16/2024 12:17	223004
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/16/2024 12:17	223004
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/16/2024 12:17	223004
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/16/2024 12:17	223004
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/16/2024 12:17	223004
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/16/2024 12:17	223004
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/16/2024 12:17	223004
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/16/2024 12:17	223004
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**107.9**	%REC	1	05/16/2024 12:17	223004
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**93.8**	%REC	1	05/16/2024 12:17	223004
Surr: 2-Fluorophenol	*	0	32.2-111		**89.2**	%REC	1	05/16/2024 12:17	223004
Surr: Nitrobenzene-d5	*	0	41.1-114		**93.5**	%REC	1	05/16/2024 12:17	223004
Surr: Phenol-d5	*	0	23.2-103		**70.5**	%REC	1	05/16/2024 12:17	223004
Surr: p-Terphenyl-d14	*	0	46.8-149		**103.2**	%REC	1	05/16/2024 12:17	223004

Allowable Marginal Exceedance of Benzo(a)anthracene and Pyrene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/10/2024 23:10	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/10/2024 23:10	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/10/2024 23:10	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/10/2024 23:10	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/10/2024 23:10	222827
Naphthalene	NELAP	0.57	2.0	J	**1.1**	µg/L	1	05/10/2024 23:10	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/10/2024 23:10	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/10/2024 23:10	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/10/2024 23:10	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/10/2024 23:10	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.1**	%REC	1	05/10/2024 23:10	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.6**	%REC	1	05/10/2024 23:10	222827
Surr: Dibromofluoromethane	*	0	80-120		**100.4**	%REC	1	05/10/2024 23:10	222827
Surr: Toluene-d8	*	0	80-120		**100.9**	%REC	1	05/10/2024 23:10	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-005
Client Sample ID: GW-15-WG-20240510
Matrix: GROUNDWATER
Collection Date: 05/10/2024 9:05

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	05/17/2024 16:57	223004
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/17/2024 16:57	223004
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/17/2024 16:57	223004
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/17/2024 16:57	223004
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/17/2024 16:57	223004
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/17/2024 16:57	223004
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/17/2024 16:57	223004
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/17/2024 16:57	223004
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/17/2024 16:57	223004
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/17/2024 16:57	223004
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/17/2024 16:57	223004
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/17/2024 16:57	223004
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/17/2024 16:57	223004
Fluorene	NELAP	).000170	0.000200		**0.000219**	mg/L	1	05/17/2024 16:57	223004
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/17/2024 16:57	223004
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/17/2024 16:57	223004
Naphthalene	NELAP	).000160	0.000400		**0.00315**	mg/L	1	05/17/2024 16:57	223004
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/17/2024 16:57	223004
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/17/2024 16:57	223004
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/17/2024 16:57	223004
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**94.4**	%REC	1	05/17/2024 16:57	223004
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**73.4**	%REC	1	05/17/2024 16:57	223004
Surr: 2-Fluorophenol	*	0	32.2-111		**105.7**	%REC	1	05/17/2024 16:57	223004
Surr: Nitrobenzene-d5	*	0	41.1-114		**103.6**	%REC	1	05/17/2024 16:57	223004
Surr: Phenol-d5	*	0	23.2-103		**84.2**	%REC	1	05/17/2024 16:57	223004
Surr: p-Terphenyl-d14	*	0	46.8-149		**115.4**	%REC	1	05/17/2024 16:57	223004

Allowable Marginal Exceedance of Benzo(a)anthracene and Pyrene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/10/2024 23:34	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/10/2024 23:34	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/10/2024 23:34	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/10/2024 23:34	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/10/2024 23:34	222827
Naphthalene	NELAP	0.57	2.0	J	**0.60**	µg/L	1	05/10/2024 23:34	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/10/2024 23:34	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/10/2024 23:34	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/10/2024 23:34	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/10/2024 23:34	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.1**	%REC	1	05/10/2024 23:34	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.3**	%REC	1	05/10/2024 23:34	222827
Surr: Dibromofluoromethane	*	0	80-120		**100.0**	%REC	1	05/10/2024 23:34	222827
Surr: Toluene-d8	*	0	80-120		**101.4**	%REC	1	05/10/2024 23:34	222827

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-006
Client Sample ID: GW-16S-WG-20240509
Matrix: GROUNDWATER
Collection Date: 05/09/2024 9:05

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	05/15/2024 17:38	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/15/2024 17:38	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/15/2024 17:38	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/15/2024 17:38	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/15/2024 17:38	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/15/2024 17:38	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 17:38	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 17:38	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/15/2024 17:38	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 17:38	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 17:38	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/15/2024 17:38	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/15/2024 17:38	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/15/2024 17:38	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/15/2024 17:38	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/15/2024 17:38	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/15/2024 17:38	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/15/2024 17:38	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/15/2024 17:38	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/15/2024 17:38	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**108.4**	%REC	1	05/15/2024 17:38	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**87.7**	%REC	1	05/15/2024 17:38	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**86.0**	%REC	1	05/15/2024 17:38	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**91.7**	%REC	1	05/15/2024 17:38	222840
Surr: Phenol-d5	*	0	23.2-103		**88.9**	%REC	1	05/15/2024 17:38	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**102.7**	%REC	1	05/15/2024 17:38	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/10/2024 23:59	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/10/2024 23:59	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/10/2024 23:59	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/10/2024 23:59	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/10/2024 23:59	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/10/2024 23:59	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/10/2024 23:59	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/10/2024 23:59	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/10/2024 23:59	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/10/2024 23:59	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**99.7**	%REC	1	05/10/2024 23:59	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.0**	%REC	1	05/10/2024 23:59	222827
Surr: Dibromofluoromethane	*	0	80-120		**100.4**	%REC	1	05/10/2024 23:59	222827
Surr: Toluene-d8	*	0	80-120		**101.4**	%REC	1	05/10/2024 23:59	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-007
Client Sample ID: GW-16D-WG-20240509
Matrix: GROUNDWATER
Collection Date: 05/09/2024 8:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/15/2024 18:15	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/15/2024 18:15	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/15/2024 18:15	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/15/2024 18:15	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/15/2024 18:15	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/15/2024 18:15	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 18:15	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 18:15	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/15/2024 18:15	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 18:15	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 18:15	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/15/2024 18:15	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/15/2024 18:15	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/15/2024 18:15	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/15/2024 18:15	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/15/2024 18:15	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/15/2024 18:15	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/15/2024 18:15	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/15/2024 18:15	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/15/2024 18:15	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**126.2**	%REC	1	05/15/2024 18:15	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**96.2**	%REC	1	05/15/2024 18:15	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**100.3**	%REC	1	05/15/2024 18:15	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**109.1**	%REC	1	05/15/2024 18:15	222840
Surr: Phenol-d5	*	0	23.2-103		**98.5**	%REC	1	05/15/2024 18:15	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**114.3**	%REC	1	05/15/2024 18:15	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/11/2024 0:24	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 0:24	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 0:24	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 0:24	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 0:24	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 0:24	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 0:24	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 0:24	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 0:24	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 0:24	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.8**	%REC	1	05/11/2024 0:24	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.6**	%REC	1	05/11/2024 0:24	222827
Surr: Dibromofluoromethane	*	0	80-120		**100.9**	%REC	1	05/11/2024 0:24	222827
Surr: Toluene-d8	*	0	80-120		**100.4**	%REC	1	05/11/2024 0:24	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-008
Client Sample ID: GW-17-WG-20240509
Matrix: GROUNDWATER
Collection Date: 05/09/2024 9:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/15/2024 18:53	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/15/2024 18:53	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/15/2024 18:53	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/15/2024 18:53	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/15/2024 18:53	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/15/2024 18:53	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 18:53	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 18:53	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/15/2024 18:53	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 18:53	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 18:53	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/15/2024 18:53	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/15/2024 18:53	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/15/2024 18:53	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/15/2024 18:53	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/15/2024 18:53	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/15/2024 18:53	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/15/2024 18:53	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/15/2024 18:53	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/15/2024 18:53	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**129.5**	%REC	1	05/15/2024 18:53	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**109.5**	%REC	1	05/15/2024 18:53	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**105.6**	%REC	1	05/15/2024 18:53	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**112.5**	%REC	1	05/15/2024 18:53	222840
Surr: Phenol-d5	*	0	23.2-103	S	**116.5**	%REC	1	05/15/2024 18:53	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**122.2**	%REC	1	05/15/2024 18:53	222840

Surrogate recovery is outside control limits due to matrix interference.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/11/2024 0:48	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 0:48	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 0:48	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 0:48	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 0:48	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 0:48	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 0:48	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 0:48	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 0:48	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 0:48	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**102.1**	%REC	1	05/11/2024 0:48	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.1**	%REC	1	05/11/2024 0:48	222827
Surr: Dibromofluoromethane	*	0	80-120		**101.0**	%REC	1	05/11/2024 0:48	222827
Surr: Toluene-d8	*	0	80-120		**101.2**	%REC	1	05/11/2024 0:48	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-009
Client Sample ID: GW-18S-WG-20240507
Matrix: GROUNDWATER
Collection Date: 05/07/2024 16:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 0:51	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 0:51	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 0:51	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 0:51	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 0:51	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 0:51	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 0:51	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 0:51	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00450**	mg/L	1	05/14/2024 0:51	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 0:51	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 0:51	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 0:51	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 0:51	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 0:51	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 0:51	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 0:51	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 0:51	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 0:51	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 0:51	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 0:51	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**84.8**	%REC	1	05/14/2024 0:51	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**67.6**	%REC	1	05/14/2024 0:51	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**68.2**	%REC	1	05/14/2024 0:51	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**71.5**	%REC	1	05/14/2024 0:51	222840
Surr: Phenol-d5	*	0	23.2-103		**63.3**	%REC	1	05/14/2024 0:51	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**68.3**	%REC	1	05/14/2024 0:51	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/11/2024 1:13	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 1:13	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 1:13	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 1:13	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 1:13	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 1:13	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 1:13	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 1:13	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 1:13	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 1:13	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.2**	%REC	1	05/11/2024 1:13	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.8**	%REC	1	05/11/2024 1:13	222827
Surr: Dibromofluoromethane	*	0	80-120		**100.7**	%REC	1	05/11/2024 1:13	222827
Surr: Toluene-d8	*	0	80-120		**101.0**	%REC	1	05/11/2024 1:13	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-010
Client Sample ID: GW-18D-WG-20240507
Matrix: GROUNDWATER
Collection Date: 05/07/2024 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	05/14/2024 1:28	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 1:28	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 1:28	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 1:28	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 1:28	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 1:28	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 1:28	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 1:28	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00227**	mg/L	1	05/14/2024 1:28	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 1:28	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 1:28	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 1:28	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 1:28	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 1:28	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 1:28	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 1:28	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 1:28	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 1:28	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 1:28	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 1:28	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**69.2**	%REC	1	05/14/2024 1:28	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**60.2**	%REC	1	05/14/2024 1:28	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**59.7**	%REC	1	05/14/2024 1:28	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**63.4**	%REC	1	05/14/2024 1:28	222840
Surr: Phenol-d5	*	0	23.2-103		**54.7**	%REC	1	05/14/2024 1:28	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**58.6**	%REC	1	05/14/2024 1:28	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/11/2024 1:37	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 1:37	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 1:37	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 1:37	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 1:37	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 1:37	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 1:37	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 1:37	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.0	J	**0.21**	µg/L	1	05/11/2024 1:37	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 1:37	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.9**	%REC	1	05/11/2024 1:37	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.0**	%REC	1	05/11/2024 1:37	222827
Surr: Dibromofluoromethane	*	0	80-120		**100.6**	%REC	1	05/11/2024 1:37	222827
Surr: Toluene-d8	*	0	80-120		**101.1**	%REC	1	05/11/2024 1:37	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-011
Client Sample ID: GW-19S-WG-20240507
Matrix: GROUNDWATER
Collection Date: 05/07/2024 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 2:06	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 2:06	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 2:06	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 2:06	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 2:06	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 2:06	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 2:06	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 2:06	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2024 2:06	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 2:06	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 2:06	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 2:06	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 2:06	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 2:06	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 2:06	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 2:06	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 2:06	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 2:06	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 2:06	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 2:06	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**74.2**	%REC	1	05/14/2024 2:06	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**62.7**	%REC	1	05/14/2024 2:06	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**60.4**	%REC	1	05/14/2024 2:06	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**61.1**	%REC	1	05/14/2024 2:06	222840
Surr: Phenol-d5	*	0	23.2-103		**55.3**	%REC	1	05/14/2024 2:06	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**59.8**	%REC	1	05/14/2024 2:06	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/11/2024 2:02	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 2:02	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 2:02	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 2:02	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 2:02	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 2:02	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 2:02	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 2:02	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 2:02	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 2:02	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.0**	%REC	1	05/11/2024 2:02	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.4**	%REC	1	05/11/2024 2:02	222827
Surr: Dibromofluoromethane	*	0	80-120		**100.8**	%REC	1	05/11/2024 2:02	222827
Surr: Toluene-d8	*	0	80-120		**100.5**	%REC	1	05/11/2024 2:02	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-012
Client Sample ID: GW-19D-WG-20240507
Matrix: GROUNDWATER
Collection Date: 05/07/2024 12:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 2:44	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 2:44	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 2:44	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 2:44	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 2:44	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 2:44	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 2:44	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 2:44	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2024 2:44	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 2:44	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 2:44	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 2:44	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 2:44	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 2:44	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 2:44	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 2:44	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 2:44	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 2:44	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 2:44	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 2:44	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**75.3**	%REC	1	05/14/2024 2:44	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**66.7**	%REC	1	05/14/2024 2:44	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**64.3**	%REC	1	05/14/2024 2:44	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**66.5**	%REC	1	05/14/2024 2:44	222840
Surr: Phenol-d5	*	0	23.2-103		**56.7**	%REC	1	05/14/2024 2:44	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**62.0**	%REC	1	05/14/2024 2:44	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/11/2024 2:27	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 2:27	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 2:27	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 2:27	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 2:27	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 2:27	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 2:27	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 2:27	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 2:27	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 2:27	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**102.8**	%REC	1	05/11/2024 2:27	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.1**	%REC	1	05/11/2024 2:27	222827
Surr: Dibromofluoromethane	*	0	80-120		**102.3**	%REC	1	05/11/2024 2:27	222827
Surr: Toluene-d8	*	0	80-120		**100.4**	%REC	1	05/11/2024 2:27	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-013
Client Sample ID: GW-20-WG-20240507
Matrix: GROUNDWATER
Collection Date: 05/07/2024 11:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 14:15	222840
Acenaphthylene	NELAP	).000050	0.000100		**0.000113**	mg/L	1	05/14/2024 14:15	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 14:15	222840
Benzo(a)anthracene	NELAP	).000070	0.00010	J	**0.000089**	mg/L	1	05/14/2024 14:15	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**0.000328**	mg/L	1	05/14/2024 14:15	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**0.000282**	mg/L	1	05/14/2024 14:15	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**0.000566**	mg/L	1	05/14/2024 14:15	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 14:15	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2024 14:15	222840
Chrysene	NELAP	0.00012	0.00020	J	**0.00017**	mg/L	1	05/14/2024 14:15	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 14:15	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 14:15	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 14:15	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 14:15	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**0.000314**	mg/L	1	05/14/2024 14:15	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 14:15	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 14:15	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 14:15	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 14:15	222840
Pyrene	NELAP	).000180	0.000200		**0.000212**	mg/L	1	05/14/2024 14:15	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**99.5**	%REC	1	05/14/2024 14:15	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**79.9**	%REC	1	05/14/2024 14:15	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**73.0**	%REC	1	05/14/2024 14:15	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**82.1**	%REC	1	05/14/2024 14:15	222840
Surr: Phenol-d5	*	0	23.2-103		**70.6**	%REC	1	05/14/2024 14:15	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**80.8**	%REC	1	05/14/2024 14:15	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/11/2024 2:51	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 2:51	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 2:51	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 2:51	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 2:51	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 2:51	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 2:51	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 2:51	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 2:51	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 2:51	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.3**	%REC	1	05/11/2024 2:51	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.2**	%REC	1	05/11/2024 2:51	222827
Surr: Dibromofluoromethane	*	0	80-120		**100.0**	%REC	1	05/11/2024 2:51	222827
Surr: Toluene-d8	*	0	80-120		**100.8**	%REC	1	05/11/2024 2:51	222827

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-014
Client Sample ID: GW-21-WG-20240508
Matrix: GROUNDWATER
Collection Date: 05/08/2024 8:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 14:53	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 14:53	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 14:53	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 14:53	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 14:53	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 14:53	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 14:53	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 14:53	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2024 14:53	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 14:53	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 14:53	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 14:53	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 14:53	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 14:53	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 14:53	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 14:53	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 14:53	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 14:53	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 14:53	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 14:53	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**81.9**	%REC	1	05/14/2024 14:53	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**67.8**	%REC	1	05/14/2024 14:53	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**63.0**	%REC	1	05/14/2024 14:53	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**67.6**	%REC	1	05/14/2024 14:53	222840
Surr: Phenol-d5	*	0	23.2-103		**62.4**	%REC	1	05/14/2024 14:53	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**66.0**	%REC	1	05/14/2024 14:53	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/11/2024 3:16	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 3:16	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 3:16	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 3:16	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 3:16	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 3:16	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 3:16	222827
Toluene	NELAP	0.10	2.0	J	**0.20**	µg/L	1	05/11/2024 3:16	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 3:16	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 3:16	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.9**	%REC	1	05/11/2024 3:16	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.8**	%REC	1	05/11/2024 3:16	222827
Surr: Dibromofluoromethane	*	0	80-120		**101.9**	%REC	1	05/11/2024 3:16	222827
Surr: Toluene-d8	*	0	80-120		**102.3**	%REC	1	05/11/2024 3:16	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-015
Client Sample ID: GW-22S-WG-20240509
Matrix: GROUNDWATER
Collection Date: 05/09/2024 16:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 16:46	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 16:46	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 16:46	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 16:46	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 16:46	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 16:46	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 16:46	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 16:46	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2024 16:46	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 16:46	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 16:46	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 16:46	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 16:46	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 16:46	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 16:46	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 16:46	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 16:46	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 16:46	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 16:46	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 16:46	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**126.2**	%REC	1	05/14/2024 16:46	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**76.0**	%REC	1	05/14/2024 16:46	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**85.7**	%REC	1	05/14/2024 16:46	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**86.7**	%REC	1	05/14/2024 16:46	222840
Surr: Phenol-d5	*	0	23.2-103		**82.7**	%REC	1	05/14/2024 16:46	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**84.7**	%REC	1	05/14/2024 16:46	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**8.66**	µg/L	1	05/11/2024 3:40	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 3:40	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 3:40	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 3:40	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 3:40	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 3:40	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 3:40	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 3:40	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 3:40	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 3:40	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**102.5**	%REC	1	05/11/2024 3:40	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.0**	%REC	1	05/11/2024 3:40	222827
Surr: Dibromofluoromethane	*	0	80-120		**101.2**	%REC	1	05/11/2024 3:40	222827
Surr: Toluene-d8	*	0	80-120		**102.7**	%REC	1	05/11/2024 3:40	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-016
Client Sample ID: GW-22D-WG-20240509
Matrix: GROUNDWATER
Collection Date: 05/09/2024 15:45

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	05/14/2024 17:23	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 17:23	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 17:23	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 17:23	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 17:23	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 17:23	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 17:23	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 17:23	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2024 17:23	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 17:23	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 17:23	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 17:23	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 17:23	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 17:23	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 17:23	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 17:23	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 17:23	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 17:23	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 17:23	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 17:23	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**87.9**	%REC	1	05/14/2024 17:23	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**66.0**	%REC	1	05/14/2024 17:23	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**76.2**	%REC	1	05/14/2024 17:23	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**78.8**	%REC	1	05/14/2024 17:23	222840
Surr: Phenol-d5	*	0	23.2-103		**75.4**	%REC	1	05/14/2024 17:23	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**75.4**	%REC	1	05/14/2024 17:23	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/11/2024 4:05	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 4:05	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 4:05	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 4:05	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 4:05	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 4:05	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 4:05	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 4:05	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 4:05	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 4:05	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.0**	%REC	1	05/11/2024 4:05	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.1**	%REC	1	05/11/2024 4:05	222827
Surr: Dibromofluoromethane	*	0	80-120		**101.6**	%REC	1	05/11/2024 4:05	222827
Surr: Toluene-d8	*	0	80-120		**101.6**	%REC	1	05/11/2024 4:05	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-017
Client Sample ID: DUP-001-WG-20240509
Matrix: GROUNDWATER
Collection Date: 05/09/2024 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**0.000121**	mg/L	1	05/14/2024 18:01	222840
Acenaphthylene	NELAP	).000050	0.000100		**0.000182**	mg/L	1	05/14/2024 18:01	222840
Anthracene	NELAP	).000200	0.000300		**0.00141**	mg/L	1	05/14/2024 18:01	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000183**	mg/L	1	05/14/2024 18:01	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 18:01	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 18:01	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 18:01	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 18:01	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.0014	0.0020	J	**0.0016**	mg/L	1	05/14/2024 18:01	222840
Chrysene	NELAP	0.00012	0.00020	J	**0.00014**	mg/L	1	05/14/2024 18:01	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 18:01	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 18:01	222840
Fluoranthene	NELAP	).000270	0.000300		**0.000934**	mg/L	1	05/14/2024 18:01	222840
Fluorene	NELAP	).000170	0.000200		**0.000334**	mg/L	1	05/14/2024 18:01	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 18:01	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 18:01	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 18:01	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 18:01	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 18:01	222840
Pyrene	NELAP	).000180	0.000200		**0.00237**	mg/L	1	05/14/2024 18:01	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**112.3**	%REC	1	05/14/2024 18:01	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**71.4**	%REC	1	05/14/2024 18:01	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**75.6**	%REC	1	05/14/2024 18:01	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**78.8**	%REC	1	05/14/2024 18:01	222840
Surr: Phenol-d5	*	0	23.2-103		**75.4**	%REC	1	05/14/2024 18:01	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**77.5**	%REC	1	05/14/2024 18:01	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/11/2024 4:30	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 4:30	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 4:30	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 4:30	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 4:30	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 4:30	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 4:30	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 4:30	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 4:30	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 4:30	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.5**	%REC	1	05/11/2024 4:30	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.1**	%REC	1	05/11/2024 4:30	222827
Surr: Dibromofluoromethane	*	0	80-120		**101.1**	%REC	1	05/11/2024 4:30	222827
Surr: Toluene-d8	*	0	80-120		**101.0**	%REC	1	05/11/2024 4:30	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-018
Client Sample ID: TB-001-WQ-20240507
Matrix: TRIP BLANK
Collection Date: 05/10/2024 11:48

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	05/11/2024 4:55	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 4:55	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 4:55	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 4:55	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 4:55	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 4:55	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 4:55	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 4:55	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 4:55	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 4:55	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**102.1**	%REC	1	05/11/2024 4:55	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**97.4**	%REC	1	05/11/2024 4:55	222827
Surr: Dibromofluoromethane	*	0	80-120		**103.1**	%REC	1	05/11/2024 4:55	222827
Surr: Toluene-d8	*	0	80-120		**100.4**	%REC	1	05/11/2024 4:55	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-019
Client Sample ID: DUP-002-WG-20240509
Matrix: GROUNDWATER
Collection Date: 05/09/2024 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/16/2024 12:54	223004
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/16/2024 12:54	223004
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/16/2024 12:54	223004
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/16/2024 12:54	223004
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/16/2024 12:54	223004
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/16/2024 12:54	223004
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 12:54	223004
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 12:54	223004
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/16/2024 12:54	223004
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 12:54	223004
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 12:54	223004
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/16/2024 12:54	223004
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/16/2024 12:54	223004
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/16/2024 12:54	223004
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/16/2024 12:54	223004
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/16/2024 12:54	223004
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/16/2024 12:54	223004
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/16/2024 12:54	223004
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/16/2024 12:54	223004
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/16/2024 12:54	223004
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**117.7**	%REC	1	05/16/2024 12:54	223004
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**93.0**	%REC	1	05/16/2024 12:54	223004
Surr: 2-Fluorophenol	*	0	32.2-111		**94.5**	%REC	1	05/16/2024 12:54	223004
Surr: Nitrobenzene-d5	*	0	41.1-114		**100.6**	%REC	1	05/16/2024 12:54	223004
Surr: Phenol-d5	*	0	23.2-103		**76.6**	%REC	1	05/16/2024 12:54	223004
Surr: p-Terphenyl-d14	*	0	46.8-149		**110.5**	%REC	1	05/16/2024 12:54	223004

Allowable Marginal Exceedance of Benzo(a)anthracene and Pyrene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**8.58**	µg/L	1	05/11/2024 5:19	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 5:19	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 5:19	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 5:19	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 5:19	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 5:19	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 5:19	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 5:19	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 5:19	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 5:19	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.6**	%REC	1	05/11/2024 5:19	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.1**	%REC	1	05/11/2024 5:19	222827
Surr: Dibromofluoromethane	*	0	80-120		**102.7**	%REC	1	05/11/2024 5:19	222827
Surr: Toluene-d8	*	0	80-120		**100.5**	%REC	1	05/11/2024 5:19	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-020
Client Sample ID: GW-12-WG-20240508
Matrix: GROUNDWATER
Collection Date: 05/08/2024 8:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 15:30	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 15:30	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 15:30	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 15:30	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 15:30	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 15:30	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 15:30	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 15:30	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2024 15:30	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 15:30	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 15:30	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 15:30	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 15:30	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 15:30	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 15:30	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 15:30	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 15:30	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 15:30	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 15:30	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 15:30	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**101.4**	%REC	1	05/14/2024 15:30	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**73.9**	%REC	1	05/14/2024 15:30	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**69.3**	%REC	1	05/14/2024 15:30	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**74.8**	%REC	1	05/14/2024 15:30	222840
Surr: Phenol-d5	*	0	23.2-103		**69.1**	%REC	1	05/14/2024 15:30	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**77.0**	%REC	1	05/14/2024 15:30	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/11/2024 5:44	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 5:44	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 5:44	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 5:44	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 5:44	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 5:44	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 5:44	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 5:44	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 5:44	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 5:44	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.0**	%REC	1	05/11/2024 5:44	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.8**	%REC	1	05/11/2024 5:44	222827
Surr: Dibromofluoromethane	*	0	80-120		**101.1**	%REC	1	05/11/2024 5:44	222827
Surr: Toluene-d8	*	0	80-120		**100.5**	%REC	1	05/11/2024 5:44	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-021
Client Sample ID: GW-101S-WG-20240508
Matrix: GROUNDWATER
Collection Date: 05/08/2024 12:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 16:08	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 16:08	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 16:08	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 16:08	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 16:08	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 16:08	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 16:08	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 16:08	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2024 16:08	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 16:08	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 16:08	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 16:08	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 16:08	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 16:08	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 16:08	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 16:08	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 16:08	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 16:08	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 16:08	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 16:08	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**92.5**	%REC	1	05/14/2024 16:08	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**72.4**	%REC	1	05/14/2024 16:08	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**75.4**	%REC	1	05/14/2024 16:08	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**79.3**	%REC	1	05/14/2024 16:08	222840
Surr: Phenol-d5	*	0	23.2-103		**75.4**	%REC	1	05/14/2024 16:08	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**78.0**	%REC	1	05/14/2024 16:08	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/13/2024 16:00	222867
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/13/2024 16:00	222867
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/13/2024 16:00	222867
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/13/2024 16:00	222867
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/13/2024 16:00	222867
Naphthalene	NELAP	0.57	2.00	H	**ND**	µg/L	1	05/31/2024 14:56	223697
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/13/2024 16:00	222867
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/13/2024 16:00	222867
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/13/2024 16:00	222867
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/13/2024 16:00	222867
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.9**	%REC	1	05/13/2024 16:00	222867
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.5**	%REC	1	05/13/2024 16:00	222867
Surr: Dibromofluoromethane	*	0	80-120		**99.2**	%REC	1	05/13/2024 16:00	222867
Surr: Toluene-d8	*	0	80-120		**102.6**	%REC	1	05/13/2024 16:00	222867

Sample required re-analysis for naphthalene out of hold time.

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-022
Client Sample ID: GW-102S-WG-20240508
Matrix: GROUNDWATER
Collection Date: 05/08/2024 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 18:39	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 18:39	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 18:39	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 18:39	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 18:39	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 18:39	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 18:39	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 18:39	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2024 18:39	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 18:39	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 18:39	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 18:39	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 18:39	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 18:39	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 18:39	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 18:39	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 18:39	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 18:39	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 18:39	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 18:39	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**61.6**	%REC	1	05/14/2024 18:39	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**46.8**	%REC	1	05/14/2024 18:39	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**48.9**	%REC	1	05/14/2024 18:39	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**49.4**	%REC	1	05/14/2024 18:39	222840
Surr: Phenol-d5	*	0	23.2-103		**58.5**	%REC	1	05/14/2024 18:39	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**49.0**	%REC	1	05/14/2024 18:39	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/13/2024 16:25	222867
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/13/2024 16:25	222867
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/13/2024 16:25	222867
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/13/2024 16:25	222867
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/13/2024 16:25	222867
Naphthalene	NELAP	0.57	2.00	H	**ND**	µg/L	1	05/31/2024 15:21	223697
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/13/2024 16:25	222867
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/13/2024 16:25	222867
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/13/2024 16:25	222867
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/13/2024 16:25	222867
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**99.6**	%REC	1	05/13/2024 16:25	222867
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.2**	%REC	1	05/13/2024 16:25	222867
Surr: Dibromofluoromethane	*	0	80-120		**101.6**	%REC	1	05/13/2024 16:25	222867
Surr: Toluene-d8	*	0	80-120		**101.1**	%REC	1	05/13/2024 16:25	222867

Sample required re-analysis for naphthalene out of hold time.

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-023
Client Sample ID: GW-102D-WG-20240508
Matrix: GROUNDWATER
Collection Date: 05/08/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 19:16	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 19:16	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 19:16	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 19:16	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 19:16	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 19:16	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 19:16	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 19:16	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2024 19:16	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 19:16	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 19:16	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 19:16	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 19:16	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 19:16	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 19:16	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 19:16	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 19:16	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 19:16	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 19:16	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 19:16	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**93.6**	%REC	1	05/14/2024 19:16	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**77.8**	%REC	1	05/14/2024 19:16	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**73.5**	%REC	1	05/14/2024 19:16	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**77.8**	%REC	1	05/14/2024 19:16	222840
Surr: Phenol-d5	*	0	23.2-103		**77.3**	%REC	1	05/14/2024 19:16	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**77.7**	%REC	1	05/14/2024 19:16	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/13/2024 16:49	222867
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/13/2024 16:49	222867
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/13/2024 16:49	222867
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/13/2024 16:49	222867
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/13/2024 16:49	222867
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/13/2024 16:49	222867
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/13/2024 16:49	222867
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/13/2024 16:49	222867
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/13/2024 16:49	222867
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/13/2024 16:49	222867
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.0**	%REC	1	05/13/2024 16:49	222867
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.0**	%REC	1	05/13/2024 16:49	222867
Surr: Dibromofluoromethane	*	0	80-120		**99.6**	%REC	1	05/13/2024 16:49	222867
Surr: Toluene-d8	*	0	80-120		**100.0**	%REC	1	05/13/2024 16:49	222867

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-024
Client Sample ID: DUP-003-WG-20240510
Matrix: GROUNDWATER
Collection Date: 05/10/2024 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.00700	0.0100		**0.0203**	mg/L	100	05/20/2024 14:03	223004
Acenaphthylene	NELAP	0.0050	0.010	J	**0.0056**	mg/L	100	05/20/2024 14:03	223004
Anthracene	NELAP	).000200	0.000300		**0.00153**	mg/L	1	05/17/2024 13:02	223004
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000204**	mg/L	1	05/17/2024 13:02	223004
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/17/2024 13:02	223004
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/17/2024 13:02	223004
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/17/2024 13:02	223004
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/17/2024 13:02	223004
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/17/2024 13:02	223004
Chrysene	NELAP	).000120	0.000200		**0.000436**	mg/L	1	05/17/2024 13:02	223004
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/17/2024 13:02	223004
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/17/2024 13:02	223004
Fluoranthene	NELAP	0.0270	0.0300		**ND**	mg/L	100	05/20/2024 14:03	223004
Fluorene	NELAP	0.0170	0.0200		**0.0691**	mg/L	100	05/20/2024 14:03	223004
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/17/2024 13:02	223004
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/17/2024 13:02	223004
Naphthalene	NELAP	0.160	0.400		**1.38**	mg/L	1000	05/20/2024 15:22	223004
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/17/2024 13:02	223004
Phenanthrene	NELAP	0.0530	0.0600		**0.0648**	mg/L	100	05/20/2024 14:03	223004
Pyrene	NELAP	).000180	0.000200		**0.00374**	mg/L	1	05/17/2024 13:02	223004
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**89.4**	%REC	1	05/17/2024 13:02	223004
Surr: 2-Fluorobiphenyl	*	0	39.6-113	S	**0**	%REC	100	05/20/2024 14:03	223004
Surr: 2-Fluorophenol	*	0	32.2-111		**70.1**	%REC	1	05/17/2024 13:02	223004
Surr: Nitrobenzene-d5	*	0	41.1-114		**95.5**	%REC	100	05/20/2024 14:03	223004
Surr: Phenol-d5	*	0	23.2-103		**69.1**	%REC	1	05/17/2024 13:02	223004
Surr: p-Terphenyl-d14	*	0	46.8-149		**96.5**	%REC	1	05/17/2024 13:02	223004

Surrogate recovery is outside control limits due to sample dilution.
Elevated reporting limit due to high levels of target analytes.
Allowable Marginal Exceedance of Benzo(a)anthracene and Pyrene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.50	5.00	S	**999**	µg/L	10	05/16/2024 12:38	223108
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/13/2024 17:14	222867
Ethylbenzene	NELAP	1.00	10.0		**261**	µg/L	10	05/16/2024 12:38	223108
m,p-Xylenes	NELAP	0.22	1.00		**216**	µg/L	1	05/13/2024 17:14	222867
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/13/2024 17:14	222867
Naphthalene	NELAP	5.70	20.0	E	**2220**	µg/L	10	05/16/2024 12:38	223108
o-Xylene	NELAP	0.05	1.00		**188**	µg/L	1	05/13/2024 17:14	222867
Toluene	NELAP	0.10	2.00		**125**	µg/L	1	05/13/2024 17:14	222867
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/13/2024 17:14	222867
Xylenes, Total	NELAP	0.28	2.00		**403**	µg/L	1	05/13/2024 17:14	222867
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**99.9**	%REC	1	05/13/2024 17:14	222867
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.3**	%REC	1	05/13/2024 17:14	222867
Surr: Dibromofluoromethane	*	0	80-120		**103.3**	%REC	1	05/13/2024 17:14	222867
Surr: Toluene-d8	*	0	80-120		**101.3**	%REC	1	05/13/2024 17:14	222867

Results are estimated due to sample result being outside the calibration range for Naphthalene.
Matrix spike did not recover within control limits for Benzene.
Insufficient sample for re-analysis.

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-025
Client Sample ID: GW-25-WG-20240509
Matrix: GROUNDWATER
Collection Date: 05/09/2024 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	SR	**ND**	mg/L	1	05/15/2024 19:31	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/15/2024 19:31	222840
Anthracene	NELAP	).000200	0.000300	SR	**ND**	mg/L	1	05/15/2024 19:31	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/15/2024 19:31	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/15/2024 19:31	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/15/2024 19:31	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200	S	**ND**	mg/L	1	05/15/2024 19:31	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200	S	**ND**	mg/L	1	05/15/2024 19:31	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	S	**ND**	mg/L	1	05/15/2024 19:31	222840
Chrysene	NELAP	).000120	0.000200	SR	**ND**	mg/L	1	05/15/2024 19:31	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/15/2024 19:31	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/15/2024 19:31	222840
Fluoranthene	NELAP	).000270	0.000300	S	**ND**	mg/L	1	05/15/2024 19:31	222840
Fluorene	NELAP	).000170	0.000200	R	**ND**	mg/L	1	05/15/2024 19:31	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/15/2024 19:31	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/15/2024 19:31	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/15/2024 19:31	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/15/2024 19:31	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/15/2024 19:31	222840
Pyrene	NELAP	).000180	0.000200	S	**ND**	mg/L	1	05/15/2024 19:31	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136	S	**111.8**	%REC	1	05/15/2024 19:31	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**100.1**	%REC	1	05/15/2024 19:31	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**93.5**	%REC	1	05/15/2024 19:31	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**100.1**	%REC	1	05/15/2024 19:31	222840
Surr: Phenol-d5	*	0	23.2-103		**91.8**	%REC	1	05/15/2024 19:31	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**110.9**	%REC	1	05/15/2024 19:31	222840

Surrogate recovery is outside control limits in the matrix spike due to sample composition.
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	05/11/2024 6:09	222827
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 6:09	222827
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 6:09	222827
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 6:09	222827
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 6:09	222827
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 6:09	222827
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 6:09	222827
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 6:09	222827
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 6:09	222827
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 6:09	222827
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**103.1**	%REC	1	05/11/2024 6:09	222827
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.1**	%REC	1	05/11/2024 6:09	222827
Surr: Dibromofluoromethane	*	0	80-120		**100.9**	%REC	1	05/11/2024 6:09	222827
Surr: Toluene-d8	*	0	80-120		**101.5**	%REC	1	05/11/2024 6:09	222827

Laboratory Results

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Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-026
Client Sample ID: GW-26-WG-20240508
Matrix: GROUNDWATER
Collection Date: 05/08/2024 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	05/14/2024 19:54	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/14/2024 19:54	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/14/2024 19:54	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/14/2024 19:54	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/14/2024 19:54	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/14/2024 19:54	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 19:54	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 19:54	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/14/2024 19:54	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 19:54	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/14/2024 19:54	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/14/2024 19:54	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/14/2024 19:54	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/14/2024 19:54	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/14/2024 19:54	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/14/2024 19:54	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/14/2024 19:54	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/14/2024 19:54	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/14/2024 19:54	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/14/2024 19:54	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**87.9**	%REC	1	05/14/2024 19:54	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**73.8**	%REC	1	05/14/2024 19:54	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**72.9**	%REC	1	05/14/2024 19:54	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**74.9**	%REC	1	05/14/2024 19:54	222840
Surr: Phenol-d5	*	0	23.2-103		**76.0**	%REC	1	05/14/2024 19:54	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**73.9**	%REC	1	05/14/2024 19:54	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	05/11/2024 5:15	222841
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 5:15	222841
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 5:15	222841
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 5:15	222841
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 5:15	222841
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 5:15	222841
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 5:15	222841
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 5:15	222841
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 5:15	222841
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 5:15	222841
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.8**	%REC	1	05/11/2024 5:15	222841
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.3**	%REC	1	05/11/2024 5:15	222841
Surr: Dibromofluoromethane	*	0	80-120		**100.1**	%REC	1	05/11/2024 5:15	222841
Surr: Toluene-d8	*	0	80-120		**85.6**	%REC	1	05/11/2024 5:15	222841

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24050941
Client Project: Ameren Taylorville 2nd Qtr 2024
Report Date: 04-Jun-24
Lab ID: 24050941-027
Client Sample ID: EQB-001-WQ-20240508
Matrix: GROUNDWATER
Collection Date: 05/08/2024 7:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/16/2024 17:17	222840
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/16/2024 17:17	222840
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/16/2024 17:17	222840
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/16/2024 17:17	222840
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/16/2024 17:17	222840
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	05/16/2024 17:17	222840
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 17:17	222840
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 17:17	222840
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**ND**	mg/L	1	05/16/2024 17:17	222840
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 17:17	222840
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/16/2024 17:17	222840
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	05/16/2024 17:17	222840
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/16/2024 17:17	222840
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/16/2024 17:17	222840
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/16/2024 17:17	222840
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	05/16/2024 17:17	222840
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	05/16/2024 17:17	222840
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	05/16/2024 17:17	222840
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/16/2024 17:17	222840
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/16/2024 17:17	222840
Surr: 2,4,6-Tribromophenol	*	0	36.9-136		**124.0**	%REC	1	05/16/2024 17:17	222840
Surr: 2-Fluorobiphenyl	*	0	39.6-113		**112.8**	%REC	1	05/16/2024 17:17	222840
Surr: 2-Fluorophenol	*	0	32.2-111		**105.4**	%REC	1	05/16/2024 17:17	222840
Surr: Nitrobenzene-d5	*	0	41.1-114		**110.2**	%REC	1	05/16/2024 17:17	222840
Surr: Phenol-d5	*	0	23.2-103		**79.1**	%REC	1	05/16/2024 17:17	222840
Surr: p-Terphenyl-d14	*	0	46.8-149		**118.6**	%REC	1	05/16/2024 17:17	222840
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50	J	**0.29**	µg/L	1	05/11/2024 5:39	222841
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	05/11/2024 5:39	222841
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	05/11/2024 5:39	222841
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	05/11/2024 5:39	222841
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	05/11/2024 5:39	222841
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	05/11/2024 5:39	222841
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	05/11/2024 5:39	222841
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 5:39	222841
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	05/11/2024 5:39	222841
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	05/11/2024 5:39	222841
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.6**	%REC	1	05/11/2024 5:39	222841
Surr: 4-Bromofluorobenzene	*	0	80-120		**94.5**	%REC	1	05/11/2024 5:39	222841
Surr: Dibromofluoromethane	*	0	80-120		**100.7**	%REC	1	05/11/2024 5:39	222841
Surr: Toluene-d8	*	0	80-120		**98.3**	%REC	1	05/11/2024 5:39	222841

Sample Summary

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2024

Work Order: 24050941

Report Date: 04-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24050941-001	GW-04R-WG-20240510	Groundwater	2	05/10/2024 9:50
24050941-002	GW-05-WG-20240507	Groundwater	2	05/07/2024 14:35
24050941-003	GW-07-WG-20240509	Groundwater	2	05/09/2024 14:15
24050941-004	GW-14-WG-20240509	Groundwater	2	05/09/2024 11:30
24050941-005	GW-15-WG-20240510	Groundwater	2	05/10/2024 9:05
24050941-006	GW-16S-WG-20240509	Groundwater	2	05/09/2024 9:05
24050941-007	GW-16D-WG-20240509	Groundwater	2	05/09/2024 8:40
24050941-008	GW-17-WG-20240509	Groundwater	2	05/09/2024 9:30
24050941-009	GW-18S-WG-20240507	Groundwater	2	05/07/2024 16:07
24050941-010	GW-18D-WG-20240507	Groundwater	2	05/07/2024 15:05
24050941-011	GW-19S-WG-20240507	Groundwater	2	05/07/2024 13:20
24050941-012	GW-19D-WG-20240507	Groundwater	2	05/07/2024 12:50
24050941-013	GW-20-WG-20240507	Groundwater	2	05/07/2024 11:00
24050941-014	GW-21-WG-20240508	Groundwater	2	05/08/2024 8:25
24050941-015	GW-22S-WG-20240509	Groundwater	2	05/09/2024 16:20
24050941-016	GW-22D-WG-20240509	Groundwater	2	05/09/2024 15:45
24050941-017	DUP-001-WG-20240509	Groundwater	2	05/09/2024 0:00
24050941-018	TB-001-WQ-20240507	Trip Blank	1	05/10/2024 11:48
24050941-019	DUP-002-WG-20240509	Groundwater	2	05/09/2024 0:00
24050941-020	GW-12-WG-20240508	Groundwater	2	05/08/2024 8:50
24050941-021	GW-101S-WG-20240508	Groundwater	2	05/08/2024 12:25
24050941-022	GW-102S-WG-20240508	Groundwater	2	05/08/2024 11:55
24050941-023	GW-102D-WG-20240508	Groundwater	2	05/08/2024 11:30
24050941-024	DUP-003-WG-20240510	Groundwater	2	05/10/2024 0:00
24050941-025	GW-25-WG-20240509	Groundwater	2	05/09/2024 10:15
24050941-026	GW-26-WG-20240508	Groundwater	2	05/08/2024 10:35
24050941-027	EQB-001-WQ-20240508	Groundwater	2	05/08/2024 7:20

Dates Report

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2024

Work Order: 24050941

Report Date: 04-Jun-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
24050941-001A	GW-04R-WG-20240510	05/10/2024 9:50	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/15/2024 19:59	05/17/2024 13:42
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/15/2024 19:59	05/20/2024 14:43
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/15/2024 19:59	05/20/2024 16:01
24050941-001B	GW-04R-WG-20240510	05/10/2024 9:50	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/10/2024 21:56
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/13/2024 14:47
24050941-002A	GW-05-WG-20240507	05/07/2024 14:35	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 9:34	05/14/2024 0:13
24050941-002B	GW-05-WG-20240507	05/07/2024 14:35	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/10/2024 22:21
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/31/2024 14:32
24050941-003A	GW-07-WG-20240509	05/09/2024 14:15	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/15/2024 16:12	05/16/2024 11:39
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/15/2024 16:12	05/20/2024 12:45
24050941-003B	GW-07-WG-20240509	05/09/2024 14:15	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/10/2024 22:45
24050941-004A	GW-14-WG-20240509	05/09/2024 11:30	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/15/2024 16:12	05/16/2024 12:17
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/15/2024 16:12	05/20/2024 13:24
24050941-004B	GW-14-WG-20240509	05/09/2024 11:30	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/10/2024 23:10
24050941-005A	GW-15-WG-20240510	05/10/2024 9:05	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/15/2024 19:59	05/17/2024 16:57
24050941-005B	GW-15-WG-20240510	05/10/2024 9:05	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/10/2024 23:34
24050941-006A	GW-16S-WG-20240509	05/09/2024 9:05	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 16:26	05/15/2024 17:38
24050941-006B	GW-16S-WG-20240509	05/09/2024 9:05	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/10/2024 23:59
24050941-007A	GW-16D-WG-20240509	05/09/2024 8:40	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 16:26	05/15/2024 18:15
24050941-007B	GW-16D-WG-20240509	05/09/2024 8:40	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 0:24
24050941-008A	GW-17-WG-20240509	05/09/2024 9:30	05/10/2024 11:48		

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 16:26	05/15/2024 18:53
24050941-008B	GW-17-WG-20240509	05/09/2024 9:30	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 0:48
24050941-009A	GW-18S-WG-20240507	05/07/2024 16:07	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 9:34	05/14/2024 0:51
24050941-009B	GW-18S-WG-20240507	05/07/2024 16:07	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 1:13
24050941-010A	GW-18D-WG-20240507	05/07/2024 15:05	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 9:34	05/14/2024 1:28
24050941-010B	GW-18D-WG-20240507	05/07/2024 15:05	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 1:37
24050941-011A	GW-19S-WG-20240507	05/07/2024 13:20	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 9:34	05/14/2024 2:06
24050941-011B	GW-19S-WG-20240507	05/07/2024 13:20	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 2:02
24050941-012A	GW-19D-WG-20240507	05/07/2024 12:50	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 9:34	05/14/2024 2:44
24050941-012B	GW-19D-WG-20240507	05/07/2024 12:50	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 2:27
24050941-013A	GW-20-WG-20240507	05/07/2024 11:00	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 9:34	05/14/2024 14:15
24050941-013B	GW-20-WG-20240507	05/07/2024 11:00	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 2:51
24050941-014A	GW-21-WG-20240508	05/08/2024 8:25	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 9:34	05/14/2024 14:53
24050941-014B	GW-21-WG-20240508	05/08/2024 8:25	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 3:16
24050941-015A	GW-22S-WG-20240509	05/09/2024 16:20	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 16:26	05/14/2024 16:46
24050941-015B	GW-22S-WG-20240509	05/09/2024 16:20	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 3:40
24050941-016A	GW-22D-WG-20240509	05/09/2024 15:45	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 16:26	05/14/2024 17:23
24050941-016B	GW-22D-WG-20240509	05/09/2024 15:45	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 4:05

Dates Report

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2024

Work Order: 24050941

Report Date: 04-Jun-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
24050941-017A	DUP-001-WG-20240509	05/09/2024 0:00	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 16:26	05/14/2024 18:01
24050941-017B	DUP-001-WG-20240509	05/09/2024 0:00	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 4:30
24050941-018A	TB-001-WQ-20240507	05/10/2024 11:48	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 4:55
24050941-019A	DUP-002-WG-20240509	05/09/2024 0:00	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/15/2024 16:12	05/16/2024 12:54
24050941-019B	DUP-002-WG-20240509	05/09/2024 0:00	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 5:19
24050941-020A	GW-12-WG-20240508	05/08/2024 8:50	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 9:34	05/14/2024 15:30
24050941-020B	GW-12-WG-20240508	05/08/2024 8:50	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 5:44
24050941-021A	GW-101S-WG-20240508	05/08/2024 12:25	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 9:34	05/14/2024 16:08
24050941-021B	GW-101S-WG-20240508	05/08/2024 12:25	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/13/2024 16:00
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/31/2024 14:56
24050941-022A	GW-102S-WG-20240508	05/08/2024 11:55	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 16:26	05/14/2024 18:39
24050941-022B	GW-102S-WG-20240508	05/08/2024 11:55	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/13/2024 16:25
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/31/2024 15:21
24050941-023A	GW-102D-WG-20240508	05/08/2024 11:30	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 16:26	05/14/2024 19:16
24050941-023B	GW-102D-WG-20240508	05/08/2024 11:30	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/13/2024 16:49
24050941-024A	DUP-003-WG-20240510	05/10/2024 0:00	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/15/2024 19:59	05/17/2024 13:02
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/15/2024 19:59	05/20/2024 14:03
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/15/2024 19:59	05/20/2024 15:22
24050941-024B	DUP-003-WG-20240510	05/10/2024 0:00	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/13/2024 17:14
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2024 12:38

Dates Report

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2024

Work Order: 24050941

Report Date: 04-Jun-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
24050941-025A	GW-25-WG-20240509	05/09/2024 10:15	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 16:26	05/15/2024 19:31
24050941-025B	GW-25-WG-20240509	05/09/2024 10:15	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 6:09
24050941-026A	GW-26-WG-20240508	05/08/2024 10:35	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 16:26	05/14/2024 19:54
24050941-026B	GW-26-WG-20240508	05/08/2024 10:35	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 5:15
24050941-027A	EQB-001-WQ-20240508	05/08/2024 7:20	05/10/2024 11:48		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/13/2024 16:26	05/16/2024 17:17
24050941-027B	EQB-001-WQ-20240508	05/08/2024 7:20	05/10/2024 11:48		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2024 5:39

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch **222840** **SampType:** **MBLK** Units **mg/L**

SampID: MBLK-222840

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						05/13/2024
Acenaphthylene		0.000100		**ND**						05/13/2024
Anthracene		0.000300		**ND**						05/13/2024
Benzo(a)anthracene		0.000100		**ND**						05/13/2024
Benzo(a)pyrene		0.000200		**ND**						05/13/2024
Benzo(b)fluoranthene		0.000200		**ND**						05/13/2024
Benzo(g,h,i)perylene		0.000200		**ND**						05/13/2024
Benzo(k)fluoranthene		0.000200		**ND**						05/13/2024
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						05/13/2024
Chrysene		0.000200		**ND**						05/13/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						05/13/2024
Di-n-butyl phthalate		0.0100		**ND**						05/13/2024
Fluoranthene		0.000300		**ND**						05/13/2024
Fluorene		0.000200		**ND**						05/13/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						05/13/2024
m,p-Cresol		0.0100		**ND**						05/13/2024
Naphthalene		0.000400		**ND**						05/13/2024
o-Cresol		0.0100		**ND**						05/13/2024
Phenanthrene		0.000600		**ND**						05/13/2024
Pyrene		0.000200		**ND**						05/13/2024
Surr: 2,4,6-Tribromophenol	*			**0.00147**	0.0020		73.3	34.3	131	05/13/2024
Surr: 2-Fluorobiphenyl	*			**0.000672**	0.0010		67.2	41.4	114	05/13/2024
Surr: 2-Fluorophenol	*			**0.00134**	0.0020		66.9	33.1	113	05/13/2024
Surr: Nitrobenzene-d5	*			**0.000690**	0.0010		69.0	39.7	126	05/13/2024
Surr: Phenol-d5	*			**0.00112**	0.0020		55.8	28.5	115	05/13/2024
Surr: p-Terphenyl-d14	*			**0.000668**	0.0010		66.8	52.2	143	05/13/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch **222840** **SampType:** **LCS** Units **mg/L**

SampID: LCS-222840

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00133**	0.0020	0	66.3	59.6	100	05/13/2024
Acenaphthylene		0.000100		**0.00158**	0.0020	0	78.9	63.6	112	05/13/2024
Anthracene		0.000300		**0.00160**	0.0020	0	80.2	55	111	05/13/2024
Benzo(a)anthracene		0.000100		**0.00136**	0.0020	0	68.1	56.6	113	05/13/2024
Benzo(a)pyrene		0.000200		**0.00167**	0.0020	0	83.4	54.8	122	05/13/2024
Benzo(b)fluoranthene		0.000200		**0.00127**	0.0020	0	63.7	50.6	130	05/13/2024
Benzo(g,h,i)perylene		0.000200		**0.00152**	0.0020	0	76.2	58.5	122	05/13/2024
Benzo(k)fluoranthene		0.000200		**0.00163**	0.0020	0	81.3	56.3	116	05/13/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0016**	0.0020	0	79.9	62.7	191	05/13/2024
Chrysene		0.000200		**0.00161**	0.0020	0	80.7	55	115	05/13/2024
Dibenzo(a,h)anthracene		0.000200		**0.00170**	0.0020	0	85.0	58.6	135	05/13/2024
Di-n-butyl phthalate		0.0100	J	**0.0017**	0.0020	0	85.0	61	130	05/13/2024
Fluoranthene		0.000300		**0.00162**	0.0020	0	80.8	57	115	05/13/2024
Fluorene		0.000200		**0.00145**	0.0020	0	72.6	57.2	108	05/13/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00169**	0.0020	0	84.3	62.3	128	05/13/2024
m,p-Cresol		0.0100		**0.0147**	0.0200	0	73.4	59.3	112	05/13/2024
Naphthalene		0.000400		**0.00148**	0.0020	0	74.2	59.3	102	05/13/2024
o-Cresol		0.0100		**0.0143**	0.0200	0	71.7	59.2	108	05/13/2024
Phenanthrene		0.000600		**0.00154**	0.0020	0	77.0	55.7	118	05/13/2024
Pyrene		0.000200		**0.00157**	0.0020	0	78.5	55	108	05/13/2024
Surr: 2,4,6-Tribromophenol	*			**0.00197**	0.0020		98.3	34.3	131	05/13/2024
Surr: 2-Fluorobiphenyl	*			**0.000766**	0.0010		76.6	41.4	114	05/13/2024
Surr: 2-Fluorophenol	*			**0.00160**	0.0020		79.9	33.1	113	05/13/2024
Surr: Nitrobenzene-d5	*			**0.000815**	0.0010		81.5	39.7	126	05/13/2024
Surr: Phenol-d5	*			**0.00154**	0.0020		76.9	28.5	115	05/13/2024
Surr: p-Terphenyl-d14	*			**0.000794**	0.0010		79.4	52.2	143	05/13/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch **222840** **SampType:** **LCSD** Units **mg/L** RPD Limit **34.5**

SampID: LCSD-222840

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	0.001326	3.77	05/13/2024
Acenaphthylene		0.000100		**0.00164**	0.0020	0	82.0	0.001579	3.78	05/13/2024
Anthracene		0.000300		**0.00153**	0.0020	0	76.7	0.001604	4.48	05/13/2024
Benzo(a)anthracene		0.000100		**0.00124**	0.0020	0	61.8	0.001362	9.67	05/13/2024
Benzo(a)pyrene		0.000200		**0.00160**	0.0020	0	79.8	0.001668	4.36	05/13/2024
Benzo(b)fluoranthene		0.000200		**0.00122**	0.0020	0	61.2	0.001274	4.08	05/13/2024
Benzo(g,h,i)perylene		0.000200		**0.00143**	0.0020	0	71.3	0.001524	6.60	05/13/2024
Benzo(k)fluoranthene		0.000200		**0.00162**	0.0020	0	80.8	0.001626	0.60	05/13/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0017**	0.0020	0	83.5	0.001598	0.00	05/13/2024
Chrysene		0.000200		**0.00155**	0.0020	0	77.3	0.001613	4.31	05/13/2024
Dibenzo(a,h)anthracene		0.000200		**0.00164**	0.0020	0	82.2	0.001700	3.29	05/13/2024
Di-n-butyl phthalate		0.0100	J	**0.0016**	0.0020	0	82.1	0.001701	0.00	05/13/2024
Fluoranthene		0.000300		**0.00157**	0.0020	0	78.6	0.001616	2.84	05/13/2024
Fluorene		0.000200		**0.00154**	0.0020	0	77.2	0.001452	6.08	05/13/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00161**	0.0020	0	80.6	0.001686	4.48	05/13/2024
m,p-Cresol		0.0100		**0.0139**	0.0200	0	69.5	0.01467	5.34	05/13/2024
Naphthalene		0.000400		**0.00140**	0.0020	0	70.1	0.001484	5.66	05/13/2024
o-Cresol		0.0100		**0.0136**	0.0200	0	68.2	0.01435	5.01	05/13/2024
Phenanthrene		0.000600		**0.00150**	0.0020	0	74.9	0.001540	2.69	05/13/2024
Pyrene		0.000200		**0.00151**	0.0020	0	75.6	0.001570	3.86	05/13/2024
Surr: 2,4,6-Tribromophenol	*			**0.00191**	0.0020		95.7			05/13/2024
Surr: 2-Fluorobiphenyl	*			**0.000648**	0.0010		64.8			05/13/2024
Surr: 2-Fluorophenol	*			**0.00135**	0.0020		67.7			05/13/2024
Surr: Nitrobenzene-d5	*			**0.000716**	0.0010		71.6			05/13/2024
Surr: Phenol-d5	*			**0.00134**	0.0020		66.9			05/13/2024
Surr: p-Terphenyl-d14	*			**0.000710**	0.0010		71.0			05/13/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch **222840** **SampType:** **MS** Units **mg/L**

SampID: 24050941-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100	S	**0.00202**	0.0020	0	101.2	62.7	99	05/15/2024
Acenaphthylene		0.000100		**0.00207**	0.0020	0	103.4	65.3	112	05/15/2024
Anthracene		0.000300	S	**0.00234**	0.0020	0	116.9	58.5	108	05/15/2024
Benzo(a)anthracene		0.000100		**0.00184**	0.0020	0	91.9	64	108	05/15/2024
Benzo(a)pyrene		0.000200		**0.00232**	0.0020	0	116.2	58.5	117	05/15/2024
Benzo(b)fluoranthene		0.000200		**0.00167**	0.0020	0	83.6	58	125	05/15/2024
Benzo(g,h,i)perylene		0.000200	S	**0.00259**	0.0020	0	129.3	62.2	120	05/15/2024
Benzo(k)fluoranthene		0.000200	S	**0.00244**	0.0020	0	121.8	61.3	111	05/15/2024
Bis(2-ethylhexyl)phthalate		0.00600	JS	**0.0043**	0.0020	0	216.1	80.2	167	05/15/2024
Chrysene		0.000200	S	**0.00242**	0.0020	0	120.8	57.1	113	05/15/2024
Dibenzo(a,h)anthracene		0.000200		**0.00236**	0.0020	0	117.9	62.4	136	05/15/2024
Di-n-butyl phthalate		0.0100	J	**0.0024**	0.0020	0	119.0	70.4	123	05/15/2024
Fluoranthene		0.000300	S	**0.00234**	0.0020	0	116.8	61.7	113	05/15/2024
Fluorene		0.000200		**0.00206**	0.0020	0	103.0	59.7	107	05/15/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00260**	0.0020	0	130.0	63.8	130	05/15/2024
m,p-Cresol		0.0100		**0.0200**	0.0200	0	99.8	60	109	05/15/2024
Naphthalene		0.000400		**0.00195**	0.0020	0	97.5	60.6	101	05/15/2024
o-Cresol		0.0100		**0.0189**	0.0200	0	94.6	57.4	108	05/15/2024
Phenanthrene		0.000600		**0.00218**	0.0020	0	109.2	57.9	117	05/15/2024
Pyrene		0.000200	S	**0.00228**	0.0020	0	114.1	53.7	107	05/15/2024
Surr: 2,4,6-Tribromophenol	*		S	**0.00272**	0.0020		136.2	36.9	136	05/15/2024
Surr: 2-Fluorobiphenyl	*			**0.00106**	0.0010		106.1	39.6	113	05/15/2024
Surr: 2-Fluorophenol	*			**0.00202**	0.0020		101.2	32.2	111	05/15/2024
Surr: Nitrobenzene-d5	*			**0.00105**	0.0010		104.6	41.1	114	05/15/2024
Surr: Phenol-d5	*			**0.00206**	0.0020		102.8	23.2	103	05/15/2024
Surr: p-Terphenyl-d14	*			**0.00115**	0.0010		115.1	46.8	149	05/15/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch **222840** **SampType:** **MSD** Units **mg/L** RPD Limit **18.6**

SampID: 24050941-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100	R	**0.00164**	0.0020	0	82.0	0.002023	20.90	05/15/2024
Acenaphthylene		0.000100		**0.00176**	0.0020	0	87.8	0.002068	16.35	05/15/2024
Anthracene		0.000300	R	**0.00190**	0.0020	0	95.1	0.002338	20.59	05/15/2024
Benzo(a)anthracene		0.000100		**0.00155**	0.0020	0	77.4	0.001838	17.11	05/15/2024
Benzo(a)pyrene		0.000200		**0.00202**	0.0020	0	101.0	0.002324	14.00	05/15/2024
Benzo(b)fluoranthene		0.000200		**0.00145**	0.0020	0	72.6	0.001672	14.16	05/15/2024
Benzo(g,h,i)perylene		0.000200		**0.00228**	0.0020	0	113.9	0.002586	12.67	05/15/2024
Benzo(k)fluoranthene		0.000200		**0.00215**	0.0020	0	107.5	0.002436	12.49	05/15/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0027**	0.0020	0	136.0	0.004322	0.00	05/15/2024
Chrysene		0.000200	R	**0.00201**	0.0020	0	100.6	0.002417	18.29	05/15/2024
Dibenzo(a,h)anthracene		0.000200		**0.00229**	0.0020	0	114.4	0.002358	3.03	05/15/2024
Di-n-butyl phthalate		0.0100	J	**0.0020**	0.0020	0	99.6	0.002380	0.00	05/15/2024
Fluoranthene		0.000300		**0.00201**	0.0020	0	100.5	0.002336	15.05	05/15/2024
Fluorene		0.000200	R	**0.00164**	0.0020	0	82.1	0.002059	22.55	05/15/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00230**	0.0020	0	114.8	0.002600	12.43	05/15/2024
m,p-Cresol		0.0100		**0.0162**	0.0200	0	81.0	0.01996	20.79	05/15/2024
Naphthalene		0.000400		**0.00159**	0.0020	0	79.3	0.001950	20.59	05/15/2024
o-Cresol		0.0100		**0.0153**	0.0200	0	76.6	0.01892	20.99	05/15/2024
Phenanthrene		0.000600		**0.00179**	0.0020	0	89.7	0.002184	19.55	05/15/2024
Pyrene		0.000200		**0.00191**	0.0020	0	95.4	0.002283	17.90	05/15/2024
Surr: 2,4,6-Tribromophenol	*			**0.00231**	0.0020		115.7			05/15/2024
Surr: 2-Fluorobiphenyl	*			**0.000870**	0.0010		87.0			05/15/2024
Surr: 2-Fluorophenol	*			**0.00166**	0.0020		83.1			05/15/2024
Surr: Nitrobenzene-d5	*			**0.000879**	0.0010		87.9			05/15/2024
Surr: Phenol-d5	*			**0.00172**	0.0020		85.9			05/15/2024
Surr: p-Terphenyl-d14	*			**0.000986**	0.0010		98.6			05/15/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch **223004** **SampType:** **MBLK** Units **mg/L**

SampID: MBLK-223004

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						05/17/2024
Acenaphthylene		0.000100		**ND**						05/17/2024
Anthracene		0.000300		**ND**						05/17/2024
Benzo(a)anthracene		0.000100		**ND**						05/17/2024
Benzo(a)pyrene		0.000200		**ND**						05/17/2024
Benzo(b)fluoranthene		0.000200		**ND**						05/17/2024
Benzo(g,h,i)perylene		0.000200		**ND**						05/17/2024
Benzo(k)fluoranthene		0.000200		**ND**						05/17/2024
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						05/17/2024
Chrysene		0.000200		**ND**						05/17/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						05/17/2024
Di-n-butyl phthalate		0.0100		**ND**						05/17/2024
Fluoranthene		0.000300		**ND**						05/17/2024
Fluorene		0.000200		**ND**						05/17/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						05/17/2024
m,p-Cresol		0.0100		**ND**						05/17/2024
Naphthalene		0.000400		**ND**						05/17/2024
o-Cresol		0.0100		**ND**						05/17/2024
Phenanthrene		0.000600		**ND**						05/17/2024
Pyrene		0.000200		**ND**						05/17/2024
Surr: 2,4,6-Tribromophenol	*			**0.00203**	0.0020		101.5	34.3	131	05/17/2024
Surr: 2-Fluorobiphenyl	*			**0.00101**	0.0010		101.2	41.4	114	05/17/2024
Surr: 2-Fluorophenol	*			**0.00214**	0.0020		107.0	33.1	113	05/17/2024
Surr: Nitrobenzene-d5	*			**0.00101**	0.0010		101.4	39.7	126	05/17/2024
Surr: Phenol-d5	*			**0.00149**	0.0020		74.7	28.5	115	05/17/2024
Surr: p-Terphenyl-d14	*			**0.00110**	0.0010		109.7	52.2	143	05/17/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch **223004** **SampType:** **LCS** Units **mg/L**

SampID: LCS-223004

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00197**	0.0020	0	98.5	59.6	100	05/17/2024
Acenaphthylene		0.000100		**0.00203**	0.0020	0	101.6	63.6	112	05/17/2024
Anthracene		0.000300		**0.00211**	0.0020	0	105.3	55	111	05/17/2024
Benzo(a)anthracene		0.000100	S	**0.00232**	0.0020	0	116.0	56.6	113	05/17/2024
Benzo(a)pyrene		0.000200		**0.00214**	0.0020	0	106.8	54.8	122	05/17/2024
Benzo(b)fluoranthene		0.000200		**0.00231**	0.0020	0	115.6	50.6	130	05/17/2024
Benzo(g,h,i)perylene		0.000200		**0.00216**	0.0020	0	108.2	58.5	122	05/17/2024
Benzo(k)fluoranthene		0.000200		**0.00231**	0.0020	0	115.5	56.3	116	05/17/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0030**	0.0020	0	148.2	62.7	191	05/17/2024
Chrysene		0.000200		**0.00206**	0.0020	0	103.0	55	115	05/17/2024
Dibenzo(a,h)anthracene		0.000200		**0.00233**	0.0020	0	116.6	58.6	135	05/17/2024
Di-n-butyl phthalate		0.0100	J	**0.0026**	0.0020	0	129.4	61	130	05/17/2024
Fluoranthene		0.000300		**0.00222**	0.0020	0	111.2	57	115	05/17/2024
Fluorene		0.000200		**0.00204**	0.0020	0	102.2	57.2	108	05/17/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00232**	0.0020	0	116.2	62.3	128	05/17/2024
m,p-Cresol		0.0100		**0.0165**	0.0200	0	82.6	59.3	112	05/17/2024
Naphthalene		0.000400		**0.00191**	0.0020	0	95.6	59.3	102	05/17/2024
o-Cresol		0.0100		**0.0159**	0.0200	0	79.4	59.2	108	05/17/2024
Phenanthrene		0.000600		**0.00218**	0.0020	0	109.2	55.7	118	05/17/2024
Pyrene		0.000200	S	**0.00222**	0.0020	0	110.9	55	108	05/17/2024
Surr: 2,4,6-Tribromophenol	*			**0.00203**	0.0020		101.6	34.3	131	05/17/2024
Surr: 2-Fluorobiphenyl	*			**0.000908**	0.0010		90.8	41.4	114	05/17/2024
Surr: 2-Fluorophenol	*			**0.00203**	0.0020		101.6	33.1	113	05/17/2024
Surr: Nitrobenzene-d5	*			**0.00105**	0.0010		104.9	39.7	126	05/17/2024
Surr: Phenol-d5	*			**0.00175**	0.0020		87.6	28.5	115	05/17/2024
Surr: p-Terphenyl-d14	*			**0.00107**	0.0010		107.5	52.2	143	05/17/2024

Quality Control Results

http://www.teklabinc.com/

Client: ERM

Work Order: 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024

Report Date: 04-Jun-24

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

Batch **223004** **SampType:** **LCSD** Units **mg/L** RPD Limit **34.5**

SampID: LCSD-223004

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00194**	0.0020	0	97.2	0.001970	1.32	05/17/2024
Acenaphthylene		0.000100		**0.00199**	0.0020	0	99.6	0.002032	2.01	05/17/2024
Anthracene		0.000300		**0.00203**	0.0020	0	101.6	0.002105	3.56	05/17/2024
Benzo(a)anthracene		0.000100		**0.00216**	0.0020	0	107.9	0.002321	7.30	05/17/2024
Benzo(a)pyrene		0.000200		**0.00215**	0.0020	0	107.6	0.002137	0.71	05/17/2024
Benzo(b)fluoranthene		0.000200		**0.00222**	0.0020	0	111.0	0.002313	4.09	05/17/2024
Benzo(g,h,i)perylene		0.000200		**0.00204**	0.0020	0	102.1	0.002163	5.73	05/17/2024
Benzo(k)fluoranthene		0.000200		**0.00222**	0.0020	0	111.2	0.002310	3.82	05/17/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0027**	0.0020	0	133.3	0.002963	0.00	05/17/2024
Chrysene		0.000200		**0.00218**	0.0020	0	108.9	0.002060	5.56	05/17/2024
Dibenzo(a,h)anthracene		0.000200		**0.00220**	0.0020	0	110.1	0.002333	5.77	05/17/2024
Di-n-butyl phthalate		0.0100	J	**0.0026**	0.0020	0	128.4	0.002589	0.00	05/17/2024
Fluoranthene		0.000300		**0.00217**	0.0020	0	108.3	0.002223	2.57	05/17/2024
Fluorene		0.000200		**0.00201**	0.0020	0	100.3	0.002044	1.90	05/17/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00224**	0.0020	0	112.1	0.002325	3.64	05/17/2024
m,p-Cresol		0.0100		**0.0148**	0.0200	0	74.0	0.01652	10.92	05/17/2024
Naphthalene		0.000400		**0.00180**	0.0020	0	90.0	0.001912	6.05	05/17/2024
o-Cresol		0.0100		**0.0145**	0.0200	0	72.7	0.01587	8.78	05/17/2024
Phenanthrene		0.000600		**0.00211**	0.0020	0	105.4	0.002183	3.47	05/17/2024
Pyrene		0.000200	S	**0.00221**	0.0020	0	110.7	0.002217	0.13	05/17/2024
Surr: 2,4,6-Tribromophenol	*			**0.00184**	0.0020		92.1			05/17/2024
Surr: 2-Fluorobiphenyl	*			**0.000839**	0.0010		83.9			05/17/2024
Surr: 2-Fluorophenol	*			**0.00202**	0.0020		101.0			05/17/2024
Surr: Nitrobenzene-d5	*			**0.00107**	0.0010		107.1			05/17/2024
Surr: Phenol-d5	*			**0.00160**	0.0020		79.8			05/17/2024
Surr: p-Terphenyl-d14	*			**0.00102**	0.0010		101.5			05/17/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch 222827 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AE240510A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						05/10/2024
Bromoform		2.0		**ND**						05/10/2024
Ethylbenzene		2.0		**ND**						05/10/2024
m,p-Xylenes		2.0		**ND**						05/10/2024
Methylene chloride		2.0		**ND**						05/10/2024
Naphthalene		5.0		**ND**						05/10/2024
o-Xylene		2.0		**ND**						05/10/2024
Toluene		2.0		**ND**						05/10/2024
trans-1,2-Dichloroethene		2.0		**ND**						05/10/2024
Xylenes, Total		4.0		**ND**						05/10/2024
Surr: 1,2-Dichloroethane-d4	*			**50.2**	50.00		100.5	80	120	05/10/2024
Surr: 4-Bromofluorobenzene	*			**48.9**	50.00		97.8	80	120	05/10/2024
Surr: Dibromofluoromethane	*			**50.4**	50.00		100.9	80	120	05/10/2024
Surr: Toluene-d8	*			**50.7**	50.00		101.3	80	120	05/10/2024

Batch 222827 **SampType:** LCS Units **µg/L**

SampID: LCS-AE240510A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**51.3**	50.00	0	102.6	81.6	120	05/10/2024
Bromoform		2.0		**49.1**	50.00	0	98.2	81.5	118	05/10/2024
Ethylbenzene		2.0		**51.0**	50.00	0	102.0	82.4	116	05/10/2024
m,p-Xylenes		2.0		**104**	100.0	0	103.6	82.5	117	05/10/2024
Methylene chloride		2.0		**47.9**	50.00	0	95.9	75.3	122	05/10/2024
Naphthalene		5.0		**51.2**	50.00	0	102.4	71	126	05/10/2024
o-Xylene		2.0		**51.4**	50.00	0	102.8	83	114	05/10/2024
Toluene		2.0		**50.4**	50.00	0	100.9	82.3	113	05/10/2024
trans-1,2-Dichloroethene		2.0		**53.2**	50.00	0	106.4	79.9	124	05/10/2024
Xylenes, Total		4.0		**155**	150.0	0	103.4	82.7	116	05/10/2024
Surr: 1,2-Dichloroethane-d4	*			**50.9**	50.00		101.9	80	120	05/10/2024
Surr: 4-Bromofluorobenzene	*			**49.7**	50.00		99.5	80	120	05/10/2024
Surr: Dibromofluoromethane	*			**50.4**	50.00		100.8	80	120	05/10/2024
Surr: Toluene-d8	*			**50.3**	50.00		100.7	80	120	05/10/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch 222827 **SampType:** LCSD Units **µg/L** RPD Limit **20**

SampID: LCSD-AE240510A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**50.5**	50.00	0	101.1	51.30	1.51	05/10/2024
Bromoform		2.0		**49.7**	50.00	0	99.4	49.12	1.15	05/10/2024
Ethylbenzene		2.0		**50.7**	50.00	0	101.3	50.98	0.63	05/10/2024
m,p-Xylenes		2.0		**103**	100.0	0	102.8	103.6	0.86	05/10/2024
Methylene chloride		2.0		**47.0**	50.00	0	93.9	47.93	2.02	05/10/2024
Naphthalene		5.0		**53.2**	50.00	0	106.5	51.20	3.93	05/10/2024
o-Xylene		2.0		**51.3**	50.00	0	102.6	51.40	0.16	05/10/2024
Toluene		2.0		**50.4**	50.00	0	100.8	50.45	0.12	05/10/2024
trans-1,2-Dichloroethene		2.0		**51.8**	50.00	0	103.6	53.18	2.59	05/10/2024
Xylenes, Total		4.0		**154**	150.0	0	102.7	155.0	0.63	05/10/2024
Surr: 1,2-Dichloroethane-d4	*			**49.9**	50.00		99.9			05/10/2024
Surr: 4-Bromofluorobenzene	*			**50.7**	50.00		101.3			05/10/2024
Surr: Dibromofluoromethane	*			**49.8**	50.00		99.6			05/10/2024
Surr: Toluene-d8	*			**50.0**	50.00		99.9			05/10/2024

Batch 222827 **SampType:** MS Units **µg/L**

SampID: 24050941-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.50		**50.1**	50.00	0	100.2	74.1	118	05/11/2024
Ethylbenzene		1.00		**52.6**	50.00	0	105.3	74.8	119	05/11/2024
m,p-Xylenes		1.00		**56.5**	50.00	0	112.9	77.8	128	05/11/2024
o-Xylene		1.00		**52.3**	50.00	0	104.6	75.8	118	05/11/2024
Toluene		2.00		**51.9**	50.00	0	103.8	74.4	115	05/11/2024
Xylenes, Total		2.00		**109**	100.0	0	108.8	76.8	123	05/11/2024
Surr: 1,2-Dichloroethane-d4	*			**50.2**	50.00		100.4	80	120	05/11/2024
Surr: 4-Bromofluorobenzene	*			**49.5**	50.00		99.0	80	120	05/11/2024
Surr: Dibromofluoromethane	*			**50.7**	50.00		101.4	80	120	05/11/2024
Surr: Toluene-d8	*			**50.5**	50.00		101.1	80	120	05/11/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch 222827 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24050941-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.50		**49.4**	50.00	0	98.8	50.08	1.37	05/11/2024
Ethylbenzene		1.00		**52.1**	50.00	0	104.3	52.64	0.95	05/11/2024
m,p-Xylenes		1.00		**56.0**	50.00	0	112.1	56.47	0.75	05/11/2024
o-Xylene		1.00		**51.6**	50.00	0	103.1	52.29	1.39	05/11/2024
Toluene		2.00		**51.2**	50.00	0	102.5	51.92	1.32	05/11/2024
Xylenes, Total		2.00		**108**	100.0	0	107.6	108.8	1.05	05/11/2024
Surr: 1,2-Dichloroethane-d4	*			**50.5**	50.00		101.0			05/11/2024
Surr: 4-Bromofluorobenzene	*			**49.4**	50.00		98.8			05/11/2024
Surr: Dibromofluoromethane	*			**51.0**	50.00		102.0			05/11/2024
Surr: Toluene-d8	*			**50.7**	50.00		101.3			05/11/2024

Batch 222841 **SampType:** MBLK Units µg/L

SampID: MBLK-AK240510A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						05/10/2024
Bromoform		2.0		**ND**						05/10/2024
Ethylbenzene		2.0		**ND**						05/10/2024
m,p-Xylenes		2.0		**ND**						05/10/2024
Methylene chloride		2.0		**ND**						05/10/2024
Naphthalene		5.0		**ND**						05/10/2024
o-Xylene		2.0		**ND**						05/10/2024
Toluene		2.0		**ND**						05/10/2024
trans-1,2-Dichloroethene		2.0		**ND**						05/10/2024
Xylenes, Total		4.0		**ND**						05/10/2024
Surr: 1,2-Dichloroethane-d4	*			**49.9**	50.00		99.8	80	120	05/10/2024
Surr: 4-Bromofluorobenzene	*			**47.8**	50.00		95.6	80	120	05/10/2024
Surr: Dibromofluoromethane	*			**50.4**	50.00		100.9	80	120	05/10/2024
Surr: Toluene-d8	*			**49.3**	50.00		98.5	80	120	05/10/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch 222841 **SampType:** LCS Units **µg/L**

SampID: LCS-AK240510A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**53.6**	50.00	0	107.2	81.6	120	05/10/2024
Bromoform		2.0		**57.8**	50.00	0	115.7	81.5	118	05/10/2024
Ethylbenzene		2.0		**53.5**	50.00	0	107.0	82.4	116	05/10/2024
m,p-Xylenes		2.0		**107**	100.0	0	106.9	82.5	117	05/10/2024
Methylene chloride		2.0		**52.9**	50.00	0	105.8	75.3	122	05/10/2024
Naphthalene		5.0		**55.1**	50.00	0	110.2	71	126	05/10/2024
o-Xylene		2.0		**52.8**	50.00	0	105.6	83	114	05/10/2024
Toluene		2.0		**52.8**	50.00	0	105.6	82.3	113	05/10/2024
trans-1,2-Dichloroethene		2.0		**55.6**	50.00	0	111.1	79.9	124	05/10/2024
Xylenes, Total		4.0		**160**	150.0	0	106.5	82.7	116	05/10/2024
Surr: 1,2-Dichloroethane-d4	*			**50.1**	50.00		100.2	80	120	05/10/2024
Surr: 4-Bromofluorobenzene	*			**46.5**	50.00		93.0	80	120	05/10/2024
Surr: Dibromofluoromethane	*			**51.2**	50.00		102.4	80	120	05/10/2024
Surr: Toluene-d8	*			**49.2**	50.00		98.5	80	120	05/10/2024

Batch 222841 **SampType:** LCSD Units **µg/L** RPD Limit **20**

SampID: LCSD-AK240510A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**48.3**	50.00	0	96.7	53.62	10.38	05/10/2024
Bromoform		2.0		**52.4**	50.00	0	104.7	57.84	9.93	05/10/2024
Ethylbenzene		2.0		**47.8**	50.00	0	95.6	53.52	11.31	05/10/2024
m,p-Xylenes		2.0		**96.7**	100.0	0	96.7	106.9	10.04	05/10/2024
Methylene chloride		2.0		**47.4**	50.00	0	94.8	52.88	10.91	05/10/2024
Naphthalene		5.0		**49.7**	50.00	0	99.4	55.11	10.34	05/10/2024
o-Xylene		2.0		**47.3**	50.00	0	94.5	52.80	11.07	05/10/2024
Toluene		2.0		**47.6**	50.00	0	95.2	52.78	10.32	05/10/2024
trans-1,2-Dichloroethene		2.0		**49.8**	50.00	0	99.7	55.57	10.87	05/10/2024
Xylenes, Total		4.0		**144**	150.0	0	95.9	159.7	10.38	05/10/2024
Surr: 1,2-Dichloroethane-d4	*			**49.4**	50.00		98.9			05/10/2024
Surr: 4-Bromofluorobenzene	*			**47.3**	50.00		94.5			05/10/2024
Surr: Dibromofluoromethane	*			**51.3**	50.00		102.5			05/10/2024
Surr: Toluene-d8	*			**49.3**	50.00		98.6			05/10/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch 222867 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AE240513A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						05/13/2024
Bromoform		2.0		**ND**						05/13/2024
Ethylbenzene		2.0		**ND**						05/13/2024
m,p-Xylenes		2.0		**ND**						05/13/2024
Methylene chloride		2.0		**ND**						05/13/2024
Naphthalene		5.0		**ND**						05/13/2024
o-Xylene		2.0		**ND**						05/13/2024
Toluene		2.0		**ND**						05/13/2024
trans-1,2-Dichloroethene		2.0		**ND**						05/13/2024
Xylenes, Total		4.0		**ND**						05/13/2024
Surr: 1,2-Dichloroethane-d4	*			**50.1**	50.00		100.1	80	120	05/13/2024
Surr: 4-Bromofluorobenzene	*			**50.2**	50.00		100.4	80	120	05/13/2024
Surr: Dibromofluoromethane	*			**50.8**	50.00		101.7	80	120	05/13/2024
Surr: Toluene-d8	*			**50.6**	50.00		101.1	80	120	05/13/2024

Batch 222867 **SampType:** LCS Units **µg/L**

SampID: LCS-AE240513A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**55.4**	50.00	0	110.7	81.6	120	05/13/2024
Bromoform		2.0		**51.1**	50.00	0	102.2	81.5	118	05/13/2024
Ethylbenzene		2.0		**55.0**	50.00	0	110.0	82.4	116	05/13/2024
m,p-Xylenes		2.0		**112**	100.0	0	111.6	82.5	117	05/13/2024
Methylene chloride		2.0		**51.2**	50.00	0	102.3	75.3	122	05/13/2024
Naphthalene		5.0		**56.0**	50.00	0	111.9	71	126	05/13/2024
o-Xylene		2.0		**55.2**	50.00	0	110.5	83	114	05/13/2024
Toluene		2.0		**54.4**	50.00	0	108.8	82.3	113	05/13/2024
trans-1,2-Dichloroethene		2.0		**57.4**	50.00	0	114.7	79.9	124	05/13/2024
Xylenes, Total		4.0		**167**	150.0	0	111.3	82.7	116	05/13/2024
Surr: 1,2-Dichloroethane-d4	*			**50.5**	50.00		101.0	80	120	05/13/2024
Surr: 4-Bromofluorobenzene	*			**50.6**	50.00		101.2	80	120	05/13/2024
Surr: Dibromofluoromethane	*			**50.1**	50.00		100.3	80	120	05/13/2024
Surr: Toluene-d8	*			**50.3**	50.00		100.5	80	120	05/13/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch 222867 **SampType:** LCSD Units **µg/L** RPD Limit **20**

SampID: LCSD-AE240513A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**51.9**	50.00	0	103.9	55.37	6.41	05/13/2024
Bromoform		2.0		**48.9**	50.00	0	97.8	51.08	4.34	05/13/2024
Ethylbenzene		2.0		**51.6**	50.00	0	103.1	54.98	6.40	05/13/2024
m,p-Xylenes		2.0		**106**	100.0	0	105.6	111.6	5.53	05/13/2024
Methylene chloride		2.0		**48.6**	50.00	0	97.1	51.16	5.19	05/13/2024
Naphthalene		5.0		**51.9**	50.00	0	103.8	55.97	7.57	05/13/2024
o-Xylene		2.0		**51.6**	50.00	0	103.2	55.24	6.78	05/13/2024
Toluene		2.0		**51.4**	50.00	0	102.7	54.41	5.77	05/13/2024
trans-1,2-Dichloroethene		2.0		**53.1**	50.00	0	106.3	57.36	7.66	05/13/2024
Xylenes, Total		4.0		**157**	150.0	0	104.8	166.9	5.94	05/13/2024
Surr: 1,2-Dichloroethane-d4	*			**49.5**	50.00		99.1			05/13/2024
Surr: 4-Bromofluorobenzene	*			**50.0**	50.00		100.0			05/13/2024
Surr: Dibromofluoromethane	*			**49.9**	50.00		99.9			05/13/2024
Surr: Toluene-d8	*			**50.0**	50.00		100.0			05/13/2024

Batch 222867 **SampType:** MS Units **µg/L**

SampID: 24050941-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		5.00		**1580**	500.0	1125	90.5	74.1	118	05/13/2024
Ethylbenzene		10.0		**763**	500.0	294.8	93.6	74.8	119	05/13/2024
m,p-Xylenes		10.0		**722**	500.0	215.2	101.4	77.8	128	05/13/2024
o-Xylene		10.0		**664**	500.0	187.0	95.4	75.8	118	05/13/2024
Toluene		20.0		**583**	500.0	121.1	92.4	74.4	115	05/13/2024
Xylenes, Total		20.0		**1390**	1000	402.2	98.4	76.8	123	05/13/2024
Surr: 1,2-Dichloroethane-d4	*			**495**	500.0		99.1	80	120	05/13/2024
Surr: 4-Bromofluorobenzene	*			**503**	500.0		100.6	80	120	05/13/2024
Surr: Dibromofluoromethane	*			**512**	500.0		102.4	80	120	05/13/2024
Surr: Toluene-d8	*			**506**	500.0		101.3	80	120	05/13/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch 222867 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24050941-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		5.00		**1630**	500.0	1125	101.8	1578	3.54	05/13/2024
Ethylbenzene		10.0		**794**	500.0	294.8	99.8	762.7	4.01	05/13/2024
m,p-Xylenes		10.0		**754**	500.0	215.2	107.7	722.0	4.30	05/13/2024
o-Xylene		10.0		**686**	500.0	187.0	99.8	663.8	3.30	05/13/2024
Toluene		20.0		**611**	500.0	121.1	97.9	583.0	4.64	05/13/2024
Xylenes, Total		20.0		**1440**	1000	402.2	103.8	1386	3.82	05/13/2024
Surr: 1,2-Dichloroethane-d4	*			**495**	500.0		99.0			05/13/2024
Surr: 4-Bromofluorobenzene	*			**499**	500.0		99.9			05/13/2024
Surr: Dibromofluoromethane	*			**508**	500.0		101.7			05/13/2024
Surr: Toluene-d8	*			**508**	500.0		101.6			05/13/2024

Batch 223108 **SampType:** MBLK Units µg/L

SampID: MBLK-AM240516A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						05/16/2024
Bromoform		2.0		**ND**						05/16/2024
Ethylbenzene		2.0		**ND**						05/16/2024
m,p-Xylenes		2.0		**ND**						05/16/2024
Methylene chloride		2.0		**ND**						05/16/2024
Naphthalene		5.0		**ND**						05/16/2024
o-Xylene		2.0		**ND**						05/16/2024
Toluene		2.0		**ND**						05/16/2024
trans-1,2-Dichloroethene		2.0		**ND**						05/16/2024
Xylenes, Total		4.0		**ND**						05/16/2024
Surr: 1,2-Dichloroethane-d4	*			**52.8**	50.00		105.6	80	120	05/16/2024
Surr: 4-Bromofluorobenzene	*			**49.5**	50.00		98.9	80	120	05/16/2024
Surr: Dibromofluoromethane	*			**49.1**	50.00		98.2	80	120	05/16/2024
Surr: Toluene-d8	*			**51.7**	50.00		103.3	80	120	05/16/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch 223108 **SampType:** LCS Units **µg/L**

SampID: LCS-AM240516A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**49.1**	50.00	0	98.2	81.6	120	05/16/2024
Bromoform		2.0		**44.8**	50.00	0	89.5	81.5	118	05/16/2024
Ethylbenzene		2.0		**51.0**	50.00	0	102.0	82.4	116	05/16/2024
m,p-Xylenes		2.0		**105**	100.0	0	104.5	82.5	117	05/16/2024
Methylene chloride		2.0		**53.6**	50.00	0	107.1	75.3	122	05/16/2024
Naphthalene		5.0		**46.8**	50.00	0	93.7	71	126	05/16/2024
o-Xylene		2.0		**50.8**	50.00	0	101.6	83	114	05/16/2024
Toluene		2.0		**52.3**	50.00	0	104.7	82.3	113	05/16/2024
trans-1,2-Dichloroethene		2.0		**49.2**	50.00	0	98.4	79.9	124	05/16/2024
Xylenes, Total		4.0		**155**	150.0	0	103.6	82.7	116	05/16/2024
Surr: 1,2-Dichloroethane-d4	*			**51.3**	50.00		102.6	80	120	05/16/2024
Surr: 4-Bromofluorobenzene	*			**49.9**	50.00		99.8	80	120	05/16/2024
Surr: Dibromofluoromethane	*			**50.0**	50.00		100.0	80	120	05/16/2024
Surr: Toluene-d8	*			**52.5**	50.00		105.0	80	120	05/16/2024

Batch 223108 **SampType:** LCSD Units **µg/L** RPD Limit **20**

SampID: LCSD-AM240516A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**49.4**	50.00	0	98.8	49.08	0.69	05/16/2024
Bromoform		2.0		**44.5**	50.00	0	89.0	44.75	0.52	05/16/2024
Ethylbenzene		2.0		**51.8**	50.00	0	103.6	50.99	1.54	05/16/2024
m,p-Xylenes		2.0		**105**	100.0	0	105.1	104.5	0.58	05/16/2024
Methylene chloride		2.0		**54.1**	50.00	0	108.3	53.57	1.04	05/16/2024
Naphthalene		5.0		**46.3**	50.00	0	92.5	46.85	1.25	05/16/2024
o-Xylene		2.0		**51.2**	50.00	0	102.4	50.80	0.82	05/16/2024
Toluene		2.0		**52.7**	50.00	0	105.3	52.33	0.63	05/16/2024
trans-1,2-Dichloroethene		2.0		**50.8**	50.00	0	101.5	49.22	3.10	05/16/2024
Xylenes, Total		4.0		**156**	150.0	0	104.2	155.3	0.66	05/16/2024
Surr: 1,2-Dichloroethane-d4	*			**51.9**	50.00		103.8			05/16/2024
Surr: 4-Bromofluorobenzene	*			**50.7**	50.00		101.4			05/16/2024
Surr: Dibromofluoromethane	*			**50.2**	50.00		100.4			05/16/2024
Surr: Toluene-d8	*			**51.7**	50.00		103.4			05/16/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch 223108 **SampType:** LCS Units **µg/L**

SampID: QCS-AM240516A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**49.1**	50.00	0	98.2	65	135	05/16/2024
Bromoform		2.0		**44.8**	50.00	0	89.5	70	130	05/16/2024
Ethylbenzene		2.0		**51.0**	50.00	0	102.0	60	140	05/16/2024
m,p-Xylenes		2.0		**105**	100.0	0	104.5	60	140	05/16/2024
Methylene chloride		2.0		**53.6**	50.00	0	107.1	60	140	05/16/2024
Naphthalene		5.0		**46.8**	50.00	0	93.7	60	140	05/16/2024
o-Xylene	*	2.0		**50.8**	50.00	0	101.6	60	140	05/16/2024
Toluene		2.0		**52.3**	50.00	0	104.7	70	130	05/16/2024
trans-1,2-Dichloroethene		2.0		**49.2**	50.00	0	98.4	70	130	05/16/2024
Xylenes, Total		4.0		**155**	150.0	0	103.6	60	140	05/16/2024
Surr: 1,2-Dichloroethane-d4	*			**51.3**	50.00		102.6	80	120	05/16/2024
Surr: 4-Bromofluorobenzene	*			**49.9**	50.00		99.8	80	120	05/16/2024
Surr: Dibromofluoromethane	*			**50.0**	50.00		100.0	80	120	05/16/2024
Surr: Toluene-d8	*			**52.5**	50.00		105.0	80	120	05/16/2024

Batch 223108 **SampType:** LCSD Units **µg/L** RPD Limit **40**

SampID: QCSD-AM240516A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**49.4**	50.00	0	98.8	49.08	0.69	05/16/2024
Bromoform		2.0		**44.5**	50.00	0	89.0	44.75	0.52	05/16/2024
Ethylbenzene		2.0		**51.8**	50.00	0	103.6	50.99	1.54	05/16/2024
m,p-Xylenes		2.0		**105**	100.0	0	105.1	104.5	0.58	05/16/2024
Methylene chloride		2.0		**54.1**	50.00	0	108.3	53.57	1.04	05/16/2024
Naphthalene		5.0		**46.3**	50.00	0	92.5	46.85	1.25	05/16/2024
o-Xylene	*	2.0		**51.2**	50.00	0	102.4	50.80	0.82	05/16/2024
Toluene		2.0		**52.7**	50.00	0	105.3	52.33	0.63	05/16/2024
trans-1,2-Dichloroethene		2.0		**50.8**	50.00	0	101.5	49.22	3.10	05/16/2024
Xylenes, Total		4.0		**156**	150.0	0	104.2	155.3	0.66	05/16/2024
Surr: 1,2-Dichloroethane-d4	*			**51.9**	50.00		103.8			05/16/2024
Surr: 4-Bromofluorobenzene	*			**50.7**	50.00		101.4			05/16/2024
Surr: Dibromofluoromethane	*			**50.2**	50.00		100.4			05/16/2024
Surr: Toluene-d8	*			**51.7**	50.00		103.4			05/16/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch 223108 **SampType:** MS Units **µg/L**

SampID: 24050941-024BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		5.00	S	**1590**	500.0	999.4	119.1	74.1	118	05/16/2024
Ethylbenzene		10.0		**829**	500.0	260.7	113.6	74.8	119	05/16/2024
m,p-Xylenes		10.0		**797**	500.0	189.1	121.6	77.8	128	05/16/2024
o-Xylene		10.0		**737**	500.0	166.4	114.1	75.8	118	05/16/2024
Toluene		20.0		**664**	500.0	110.1	110.8	74.4	115	05/16/2024
Xylenes, Total		20.0		**1530**	1000	355.5	117.8	76.8	123	05/16/2024
Surr: 1,2-Dichloroethane-d4	*			**529**	500.0		105.9	80	120	05/16/2024
Surr: 4-Bromofluorobenzene	*			**489**	500.0		97.8	80	120	05/16/2024
Surr: Dibromofluoromethane	*			**498**	500.0		99.7	80	120	05/16/2024
Surr: Toluene-d8	*			**512**	500.0		102.4	80	120	05/16/2024

Batch 223108 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24050941-024BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		5.00		**1570**	500.0	999.4	114.7	1595	1.36	05/16/2024
Ethylbenzene		10.0		**821**	500.0	260.7	112.0	828.6	0.96	05/16/2024
m,p-Xylenes		10.0		**790**	500.0	189.1	120.1	797.0	0.95	05/16/2024
o-Xylene		10.0		**734**	500.0	166.4	113.4	736.8	0.44	05/16/2024
Toluene		20.0		**651**	500.0	110.1	108.2	663.9	1.93	05/16/2024
Xylenes, Total		20.0		**1520**	1000	355.5	116.8	1534	0.70	05/16/2024
Surr: 1,2-Dichloroethane-d4	*			**539**	500.0		107.9			05/16/2024
Surr: 4-Bromofluorobenzene	*			**483**	500.0		96.5			05/16/2024
Surr: Dibromofluoromethane	*			**498**	500.0		99.6			05/16/2024
Surr: Toluene-d8	*			**517**	500.0		103.5			05/16/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch 223697 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AE240531A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						05/31/2024
Bromoform		2.0		**ND**						05/31/2024
Ethylbenzene		2.0		**ND**						05/31/2024
m,p-Xylenes		2.0		**ND**						05/31/2024
Methylene chloride		2.0		**ND**						05/31/2024
Naphthalene		5.0		**ND**						05/31/2024
o-Xylene		2.0		**ND**						05/31/2024
Toluene		2.0		**ND**						05/31/2024
trans-1,2-Dichloroethene		2.0		**ND**						05/31/2024
Xylenes, Total		4.0		**ND**						05/31/2024
Surr: 1,2-Dichloroethane-d4	*			**46.9**	50.00		93.7	80	120	05/31/2024
Surr: 4-Bromofluorobenzene	*			**49.5**	50.00		99.0	80	120	05/31/2024
Surr: Dibromofluoromethane	*			**49.2**	50.00		98.4	80	120	05/31/2024
Surr: Toluene-d8	*			**51.2**	50.00		102.4	80	120	05/31/2024

Batch 223697 **SampType:** LCS Units **µg/L**

SampID: LCS-AE240531A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**52.0**	50.00	0	104.1	81.6	120	05/31/2024
Bromoform		2.0		**48.1**	50.00	0	96.2	81.5	118	05/31/2024
Ethylbenzene		2.0		**50.9**	50.00	0	101.8	82.4	116	05/31/2024
m,p-Xylenes		2.0		**104**	100.0	0	103.9	82.5	117	05/31/2024
Methylene chloride		2.0		**48.3**	50.00	0	96.6	75.3	122	05/31/2024
Naphthalene		5.0		**51.6**	50.00	0	103.3	71	126	05/31/2024
o-Xylene		2.0		**51.3**	50.00	0	102.6	83	114	05/31/2024
Toluene		2.0		**48.1**	50.00	0	96.2	82.3	113	05/31/2024
trans-1,2-Dichloroethene		2.0		**52.9**	50.00	0	105.8	79.9	124	05/31/2024
Xylenes, Total		4.0		**155**	150.0	0	103.5	82.7	116	05/31/2024
Surr: 1,2-Dichloroethane-d4	*			**45.4**	50.00		90.8	80	120	05/31/2024
Surr: 4-Bromofluorobenzene	*			**53.2**	50.00		106.4	80	120	05/31/2024
Surr: Dibromofluoromethane	*			**45.6**	50.00		91.3	80	120	05/31/2024
Surr: Toluene-d8	*			**46.8**	50.00		93.5	80	120	05/31/2024

Client: ERM **Work Order:** 24050941

Client Project: Ameren Taylorville 2nd Qtr 2024 **Report Date:** 04-Jun-24

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

Batch **223697** **SampType:** **LCSD** Units **µg/L** RPD Limit **20**

SampID: LCSD-AE240531A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**50.2**	50.00	0	100.4	52.03	3.54	05/31/2024
Bromoform		2.0		**48.9**	50.00	0	97.7	48.08	1.63	05/31/2024
Ethylbenzene		2.0		**50.7**	50.00	0	101.4	50.88	0.39	05/31/2024
m,p-Xylenes		2.0		**103**	100.0	0	102.6	103.9	1.32	05/31/2024
Methylene chloride		2.0		**47.1**	50.00	0	94.2	48.31	2.58	05/31/2024
Naphthalene		5.0		**46.7**	50.00	0	93.4	51.65	10.07	05/31/2024
o-Xylene		2.0		**50.4**	50.00	0	100.7	51.32	1.87	05/31/2024
Toluene		2.0		**50.8**	50.00	0	101.6	48.09	5.48	05/31/2024
trans-1,2-Dichloroethene		2.0		**50.7**	50.00	0	101.4	52.89	4.19	05/31/2024
Xylenes, Total		4.0		**153**	150.0	0	102.0	155.2	1.50	05/31/2024
Surr: 1,2-Dichloroethane-d4	*			**45.7**	50.00		91.3			05/31/2024
Surr: 4-Bromofluorobenzene	*			**49.3**	50.00		98.6			05/31/2024
Surr: Dibromofluoromethane	*			**48.8**	50.00		97.5			05/31/2024
Surr: Toluene-d8	*			**50.2**	50.00		100.4			05/31/2024

Receiving Check List

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2024

Work Order: 24050941

Report Date: 04-Jun-24

Carrier: Breana Houska

Received By: WAO

Completed by: Amber Dilallo
On: 10-May-24

Reviewed by: Ellie Hopkins
On: 10-May-24

Pages to follow: Chain of custody 4 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C **5.1**
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). - ehurley - 5/10/2024 4:13:26 PM

CHAIN OF CUSTODY

pg. 1 of 4 Work order # 2405094

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

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

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 5.1 °C LTG# 3
Preserved in: [ ] LAB [ ] FIELD **FOR LAB USE ONLY**
Lab Notes: GW07 and DUP 001 OICHS LH 5/10/24
ERM Springfield project. rest OHS GW25 has MS/MSD

Client Comments

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

Project Name/Number	Sample Collector's Name
Ameren Taylorville 2nd Qtr 2024	J. Richards + B. Hauska

Results Requested
[X] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other ____ [ ] 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HCl	MATRIX: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: PAHs	VOCs
2405094 001	GW-04R-WG-2024 0510	5/10/24 / 0950	1	2		X		X	X
002	GW-05-WG-2024 0507	5/7/24 / 1435	1	2		X		X	X
003	GW-07-WG-2024 0509	5/9/24 / 1415	1	2		X		X	X
004	GW-14-WG-2024 0509	5/9/24 / 1130	1	2		X		X	X
005	GW-15-WG-2024 0510	5/10/24 / 0905	1	2		X		X	X
006	GW-16S-WG-2024 0509	5/9/24 / 0905	1	2		X		X	X
007	GW-16D-WG-2024 0509	0840 / 5/9/24	1	2		X		X	X
008	GW-17-WG-2024 0509	5/9/24 / 0930	1	2		X		X	X
009	GW-18S-WG-2024 0507	5/7/24 / 1607	1	2		X		X	X
010	GW-18D-WG-2024 0507	5/7/24 / 1505	1	2		X		X	X

Relinquished By	Date/Time	Received By	Date/Time
Breana Hauska	5/10/24 1148	[signature]	5/10/24 1148

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: 89211

CHAIN OF CUSTC Y

pg. 2 of 4 Work order # 2405094

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

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

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

Client Comments

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

Project Name/Number	Sample Collector's Name
Ameren Taylorville 2nd Qtr 2024	J. Richards & B. Houska

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HCl							MATRIX: Aqueous	Groundwater	Trip Blank				INDICATE ANALYSIS REQUESTED: PAHs	VOCs												
2405094 011	GW-19S-WG-2024~~0507~~	5/7/24 / 1320	1	2								X					X	X												
012	GW-19D-WG-2024~~0507~~	5/7/24 / 1250	1	2								X					X	X												
013	GW-20-WG-2024~~0507~~	5/7/24 / 1100	1	2								X					X	X												
014	GW-21-WG-2024~~0508~~	5/8/24 / 0825	1	2								X					X	X												
015	GW-22S-WG-2024~~0509~~	5/9/24 / 1620	1	2								X					X	X												
016	GW-22D-WG-2024~~0509~~	5/9/24 / 1545	1	2								X					X	X												
017	DUP-001-WG-2024~~0509~~	5/9/24 —	1	2								X					X	X												
	~~FB-001-WQ-2024~~		~~1~~	~~2~~							X						~~X~~	~~X~~												
018	TB-001-WQ-2024~~0507~~	5/7/24 / 1055		2									X					X												
	TB-002-WQ-2024			2									X					X												

Relinquished By	Date/Time	Received By	Date/Time
Breana Houska	5/10/24 1148	[illegible]	5/10/24 1148

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BottleOrder 89211

CHAIN OF CUSTODY

pg. 3 of 4 Work order # 2405094

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

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

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

Client Comments

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

Project Name/Number	Sample Collector's Name
Ameren Taylorville 2nd Qtr 2024	J. Richards + B. Houska

Results Requested
☒ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HCl	Aqueous	Groundwater	Trip Blank	PAHs	VOCs
2405094 019	DUP-002-WG-2024 0509	5/9/24	1	2		X		X	X
020	GW-12-WG-2024 0508	5/8/24 / 0850	1	2		X		X	X
021	GW-101S-WG-2024 0508	5/8/24 - 1225	1	2		X		X	X
022	GW-102S-WG-2024 0508	5/8/24 - 1155	1	2		X		X	X
023	GW-102D-WG-2024 0508	5/8/24 - 1130	1	2		X		X	X
	~~FB-002-WG-2024~~		1	2		X		X	X
024	DUP-003-WG-2024 0510	5/10/24	1	2		X		X	X
025	GW-25-WG-2024 0509	5/9/24 - 1015	1	2		X		X	X
026	GW-26-WG-2024 0508	5/8/24 - 1035	1	2		X		X	X
027	EQB-001-WQ-2024 0508	5/8/24 - 0720	1	2	X			X	X

Relinquished By	Date/Time	Received By	Date/Time
Breana Houska	5/10/24 1148	Whitney Clem	5/10/24 1148

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BottleOrder: 89211

CHAIN OF CUSTODY

pg. 4 of 4 Work order # 2405094(

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

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

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE ____ °C LTG# ____
Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments

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

Project Name/Number	Sample Collector's Name
Ameren Taylorville 2nd Qtr 2024	J. Richards + B. Houska

Results Requested
☒ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HCl							MATRIX: Aqueous	Groundwater	Trip Blank				INDICATE ANALYSIS REQUESTED: PAHs	VOCs													
	EQB-002-WQ-2024		1	2							X						X	X													

Relinquished By	Date/Time	Received By	Date/Time
Breana Houska	5/10/24 1148	[illegible]	5/10/24 1148

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BottleOrder: 89211

ATTACHMENT B SUMMARY OF QUARTER 2 2024 ANALYTICAL RESULTS – 7-10 MAY 2024

Attachment B
Q2 2024 Groundwater Analytical Summary Table
Ameren Taylorville Former MGP Site
Taylorville, Illinois

		Sample Location	GW-4R		GW-4R		GW-5	GW-7		GW-7		GW-14	GW-15		GW-16D	GW-16S	GW-17	GW-18D	GW-18S	GW-19D	GW-19S
		Sample Type Code	FD		N		N	FD		N		N	N		N	N	N	N	N	N	N
		Sample Date	05/10/2024		05/10/2024		05/07/2024	05/09/2024		05/09/2024		05/09/2024	05/10/2024		05/09/2024	05/09/2024	05/09/2024	05/07/2024	05/07/2024	05/07/2024	05/07/2024
Constituent	Unit	CLASS I GROUNDWATER INGESTION																			
SVOC																					
Acenaphthene	mg/L	0.42	**0.0203**	J	**0.0171**	J	< 0.000070	**0.000121**		**0.000136**		< 0.000070	< 0.000070		< 0.000070	< 0.000070	< 0.000070	< 0.000070	< 0.000070	< 0.000070	< 0.000070
Acenaphthylene	mg/L	0.42	**0.0056**	j	**0.0062**	j	< 0.000050	**0.000182**		**0.000177**		< 0.000050	< 0.000050		< 0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050
Anthracene	mg/L	2.1	**0.00153**		**0.00122**	J+	< 0.000200	**0.00141**		**0.00193**		< 0.000200	< 0.000200		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(a)anthracene	mg/L	0.00013	**0.000204**		**0.000205**	J+	< 0.000070	**0.000183**		**0.000218**		< 0.000070	< 0.000070		< 0.000070	< 0.000070	< 0.000070	< 0.000070	< 0.000070	< 0.000070	< 0.000070
Benzo(a)pyrene	mg/L	0.0002	< 0.000110		< 0.000110		< 0.000110	< 0.000110		< 0.000110		< 0.000110	< 0.000110		< 0.000110	< 0.000110	< 0.000110	< 0.000110	< 0.000110	< 0.000110	< 0.000110
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000130		< 0.000130		< 0.000130	< 0.000130	UJ	< 0.000130		< 0.000130	< 0.000130		< 0.000130	< 0.000130	< 0.000130	< 0.000130	< 0.000130	< 0.000130	< 0.000130
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000120		< 0.000120		< 0.000120	< 0.000120		< 0.000120		< 0.000120	< 0.000120		< 0.000120	< 0.000120	< 0.000120	< 0.000120	< 0.000120	< 0.000120	< 0.000120
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000120		< 0.000120		< 0.000120	< 0.000120	UJ	< 0.000120		< 0.000120	< 0.000120		< 0.000120	< 0.000120	< 0.000120	< 0.000120	< 0.000120	< 0.000120	< 0.000120
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00143		< 0.00143		< 0.00143	**0.0016**	J	**0.00748**	J	**0.00604**	< 0.00143		< 0.00143	< 0.00143	< 0.00143	**0.00227**	**0.00450**	< 0.00143	< 0.00143
Chrysene	mg/L	0.0015	**0.000436**		**0.000455**	J+	< 0.000120	**0.00014**	j	**0.000204**		< 0.000120	< 0.000120		< 0.000120	< 0.000120	< 0.000120	< 0.000120	< 0.000120	< 0.000120	< 0.000120
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000120		< 0.000120		< 0.000120	< 0.000120		< 0.000120		< 0.000120	< 0.000120		< 0.000120	< 0.000120	< 0.000120	< 0.000120	< 0.000120	< 0.000120	< 0.000120
Dibutyl phthalate	mg/L	0.7	< 0.000830		< 0.000830		< 0.000830	< 0.000830		< 0.000830		< 0.000830	< 0.000830		< 0.000830	< 0.000830	< 0.000830	< 0.000830	< 0.000830	< 0.000830	< 0.000830
Fluoranthene	mg/L	0.28	< 0.0270		< 0.0270		< 0.000270	**0.000934**		**0.00129**		< 0.000270	< 0.000270		< 0.000270	< 0.000270	< 0.000270	< 0.000270	< 0.000270	< 0.000270	< 0.000270
Fluorene	mg/L	0.28	**0.0691**		**0.0672**		< 0.000170	**0.000334**		**0.000343**		< 0.000170	**0.000219**		< 0.000170	< 0.000170	< 0.000170	< 0.000170	< 0.000170	< 0.000170	< 0.000170
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000160		< 0.000160		< 0.000160	< 0.000160	UJ	< 0.000160		< 0.000160	< 0.000160		< 0.000160	< 0.000160	< 0.000160	< 0.000160	< 0.000160	< 0.000160	< 0.000160
m,p-cresol	mg/L		< 0.000590		< 0.000590		< 0.000590	< 0.000590		< 0.000590		< 0.000590	< 0.000590		< 0.000590	< 0.000590	< 0.000590	< 0.000590	< 0.000590	< 0.000590	< 0.000590
Naphthalene	mg/L	0.14	**1.38**		**1.02**		< 0.000160	< 0.000160		< 0.000160		< 0.000160	**0.00315**		< 0.000160	< 0.000160	< 0.000160	< 0.000160	< 0.000160	< 0.000160	< 0.000160
o-Cresol	mg/L	0.35	< 0.000540		< 0.000540		< 0.000540	< 0.000540		< 0.000540		< 0.000540	< 0.000540		< 0.000540	< 0.000540	< 0.000540	< 0.000540	< 0.000540	< 0.000540	< 0.000540
Phenanthrene	mg/L	0.21	**0.0648**		**0.0679**		< 0.000530	< 0.000530		< 0.000530		< 0.000530	< 0.000530		< 0.000530	< 0.000530	< 0.000530	< 0.000530	< 0.000530	< 0.000530	< 0.000530
Pyrene	mg/L	0.21	**0.00374**		**0.00362**	J+	< 0.000180	**0.00237**	J	**0.00336**	J	< 0.000180	< 0.000180		< 0.000180	< 0.000180	< 0.000180	< 0.000180	< 0.000180	< 0.000180	< 0.000180
VOC																					
Benzene	ug/L	5	**999**		**1130**		< 0.05	< 0.05		< 0.05		< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromoform	ug/L	1	< 0.09		< 0.09		< 0.09	< 0.09		< 0.09		< 0.09	< 0.09		< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ethylbenzene	ug/L	700	**261**		**295**		**0.23**	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
m,p-Xylenes	ug/L		**216**		**226**		< 0.22	< 0.22		< 0.22		< 0.22	< 0.22		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Methylene chloride	ug/L	5	< 0.87		< 0.87		< 0.87	< 0.87		< 0.87		< 0.87	< 0.87		< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
Naphthalene	ug/L	140	**2220**	J	**2300**	J	< 0.57	< 0.57		**2.81**		**1.1**	j	**0.60**	j	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57
o-Xylene	ug/L		**188**		**196**		**0.15**	< 0.05		< 0.05		< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	ug/L	1000	**125**		**132**		< 0.10	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
trans-1,2-Dichloroethene	ug/L	100	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	**0.21**	j	< 0.10	< 0.10
Xylene, Total	ug/L	10000	**403**		**422**		< 0.28	< 0.28		< 0.28		< 0.28	< 0.28		< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28

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

Attachment B
Q2 2024 Groundwater Analytical Summary Table
Ameren Taylorville
Taylorville, IL

		Sample Location	GW-20		GW-21		GW-22D		GW-22S		GW-22S		GW-25		GW-26		EQUIPMENT BLANK		TRIP BLANK	
		Sample Type Code	N		N		N		FD		N		N		N		FB		TB	
		Sample Date	05/07/2024		05/08/2024		05/09/2024		05/09/2024		05/09/2024		05/09/2024		05/08/2024		5/8/2024		05/10/2024	
Constituent	Unit	CLASS I GROUNDWATER INGESTION																		
SVOC																				
Acenaphthene	mg/L	0.42	< 0.000070		< 0.000070		< 0.000070		< 0.000070		< 0.000070		< 0.000070		< 0.000070		< 0.000070		NA	
Acenaphthylene	mg/L	0.42	**0.000113**		< 0.000050		< 0.000050		< 0.000050		< 0.000050		< 0.000050		< 0.000050		< 0.000050		NA	
Anthracene	mg/L	2.1	< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		< 0.000200		NA	
Benzo(a)anthracene	mg/L	0.00013	**0.000089**	j	< 0.000070		< 0.000070		< 0.000070		< 0.000070		< 0.000070		< 0.000070		< 0.000070		NA	
Benzo(a)pyrene	mg/L	0.0002	**0.000328**		< 0.000110		< 0.000110		< 0.000110		< 0.000110		< 0.000110		< 0.000110		< 0.000110		NA	
Benzo(b)fluoranthene	mg/L	0.00018	**0.000282**	J	< 0.000130	UJ	< 0.000130	UJ	< 0.000130		< 0.000130	UJ	< 0.000130		< 0.000130	UJ	< 0.000130		NA	
Benzo(g,h,i)perylene	mg/L	0.21	**0.000566**		< 0.000120		< 0.000120		< 0.000120		< 0.000120		< 0.000120		< 0.000120		< 0.000120		NA	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000120	UJ	< 0.000120	UJ	< 0.000120	UJ	< 0.000120		< 0.000120	UJ	< 0.000120		< 0.000120	UJ	< 0.000120		NA	
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00143		< 0.00143		< 0.00143		< 0.00143		< 0.00143		< 0.00143		< 0.00143		< 0.00143		NA	
Chrysene	mg/L	0.0015	**0.00017**	j	< 0.000120		< 0.000120		< 0.000120		< 0.000120		< 0.000120		< 0.000120		< 0.000120		NA	
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000120		< 0.000120		< 0.000120		< 0.000120		< 0.000120		< 0.000120		< 0.000120		< 0.000120		NA	
Dibutyl phthalate	mg/L	0.7	< 0.000830		< 0.000830		< 0.000830		< 0.000830		< 0.000830		< 0.000830		< 0.000830		< 0.000830		NA	
Fluoranthene	mg/L	0.28	< 0.000270		< 0.000270		< 0.000270		< 0.000270		< 0.000270		< 0.000270		< 0.000270		< 0.000270		NA	
Fluorene	mg/L	0.28	< 0.000170		< 0.000170		< 0.000170		< 0.000170		< 0.000170		< 0.000170		< 0.000170		< 0.000170		NA	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000314**	J	< 0.000160	UJ	< 0.000160	UJ	< 0.000160		< 0.000160	UJ	< 0.000160		< 0.000160	UJ	< 0.000160		NA	
m,p-cresol	mg/L		< 0.000590		< 0.000590		< 0.000590		< 0.000590		< 0.000590		< 0.000590		< 0.000590		< 0.000590		NA	
Naphthalene	mg/L	0.14	< 0.000160		< 0.000160		< 0.000160		< 0.000160		< 0.000160		< 0.000160		< 0.000160		< 0.000160		NA	
o-Cresol	mg/L	0.35	< 0.000540		< 0.000540		< 0.000540		< 0.000540		< 0.000540		< 0.000540		< 0.000540		< 0.000540		NA	
Phenanthrene	mg/L	0.21	< 0.000530		< 0.000530		< 0.000530		< 0.000530		< 0.000530		< 0.000530		< 0.000530		< 0.000530		NA	
Pyrene	mg/L	0.21	**0.000212**		< 0.000180		< 0.000180		< 0.000180		< 0.000180		< 0.000180		< 0.000180		< 0.000180		NA	
VOC																				
Benzene	ug/L	5	< 0.05		< 0.05		< 0.05		**8.58**		**8.66**		< 0.05		< 0.05		< 0.05		< 0.05	
Bromoform	ug/L	1	< 0.09		< 0.09		< 0.09		< 0.09		< 0.09		< 0.09		< 0.09		< 0.09		< 0.09	
Ethylbenzene	ug/L	700	< 0.10		< 0.10		< 0.10		< 0.10		< 0.10		< 0.10		< 0.10		< 0.10		< 0.10	
m,p-Xylenes	ug/L		< 0.22		< 0.22		< 0.22		< 0.22		< 0.22		< 0.22		< 0.22		< 0.22		< 0.22	
Methylene chloride	ug/L	5	< 0.87		< 0.87		< 0.87		< 0.87		< 0.87		< 0.87		< 0.87		< 0.87		< 0.87	
Naphthalene	ug/L	140	< 0.57		< 0.57		< 0.57		< 0.57		< 0.57		< 0.57		< 0.57		< 0.57		< 0.57	
o-Xylene	ug/L		< 0.05		< 0.05		< 0.05		< 0.05		< 0.05		< 0.05		< 0.05		< 0.05		< 0.05	
Toluene	ug/L	1000	< 0.10		**0.20**	j	< 0.10		< 0.10		< 0.10		< 0.10		< 0.10		**0.29**	j	< 0.10	
trans-1,2-Dichloroethene	ug/L	100	< 0.10		< 0.10		< 0.10		< 0.10		< 0.10		< 0.10		< 0.10		< 0.10		< 0.10	
Xylene, Total	ug/L	10000	< 0.28		< 0.28		< 0.28		< 0.28		< 0.28		< 0.28		< 0.28		< 0.28		< 0.28	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GW-04 Analyte	Unit	Remediation Objective (RO)	Result 10/27/2023	Result - DUP 10/27/2023	Result 2/15/2024	Result - DUP 2/15/2024	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	-	0.00163	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	-	< 0.0002	< 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	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
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	-	0.00079 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	0.14	0.343	0.414	0.839	0.634	1.02	1.38
Phenanthrene	mg/L	-	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	5.0	346	392	1380	1500	1130	999 S
Bromoform	µg/L	1.0	< 2	< 0.2	< 5	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	117	159	322	369	295	261
m,p-Xylenes	µg/L	-	14.7	19.7	124	145	226	216
Methylene chloride	µg/L	5.0	< 20	< 2	< 50	< 20	< 2	< 2
Naphthalene	µg/L	140	510	531	1700	1940	2300 E	2220 E
o-Xylene	µg/L	-	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:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

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

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

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

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

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

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

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

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

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

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

GW-07 Analyte	Unit	Remediation Objective (RO)	Result 9/7/2022	Result 11/29/2022	Result 2/15/2023	Result 5/17/2023	Result 9/13/2023	Result 10/27/2023	Result 2/13/2024
Acenaphthene	mg/L	0.42	**0.000118**	**0.00012**	**0.000183**	**0.000122 H**	**0.000155**	**0.000158**	**0.000139**
Acenaphthylene	mg/L	-	**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	-	< 0.0002	< 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	0.006	**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	-	< 0.01	< 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	0.14	< 0.0004	< 0.0004	**0.00283 S**	< 0.0004 H	< 0.0004	**0.000614**	< 0.0004
Phenanthrene	mg/L	-	< 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	< 0.5	< 0.5 S	< 0.5	< 0.5	< 0.5	< 0.5	**0.15 J**
Bromoform	µg/L	1.0	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**
m,p-Xylenes	µg/L	-	< 1	< 1 S	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.7 J**	**0.36 BJ**	< 2	< 2	< 2	**1.2 J**
o-Xylene	µg/L	-	< 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:
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H = Analysis outside of hold time
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Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

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

GW-07 Analyte	Unit	Remediation Objective (RO)	Result - DUP 2/13/2024	Result 5/9/2024	Result - DUP 5/9/2024	
Acenaphthene	mg/L	0.42	**0.000130**	**0.000136**	**0.000121**	
Acenaphthylene	mg/L	-	**0.000157**	**0.000177**	**0.000182**	
Anthracene	mg/L	2.1	**0.00149**	**0.00193**	**0.00141**	
Benzo(a)anthracene	mg/L	0.00013	**0.000204**	**0.000218**	**0.000183**	
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0002	< 0.0002	
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0002	< 0.0002	
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0180**	**0.0075**	**0.0016**	**J**
Chrysene	mg/L	0.0015	**0.000166**	**0.000204**	**0.00014**	**J**
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	**0.00111**	**0.00129**	**0.000934**	
Fluorene	mg/L	0.28	**0.000351**	**0.000343**	**0.000334**	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	
Pyrene	mg/L	0.21	**0.00262**	**0.00336**	**0.00237**	
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	
Bromoform	µg/L	1.0	< 0.2	< 0.2	< 0.2	
Ethylbenzene	µg/L	700	< 1	< 1	< 1	
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	
Naphthalene	µg/L	140	< 2	**2.81**	< 2	
o-Xylene	µg/L	-	< 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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Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

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

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

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

Attachment C
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Taylorville, Illinois

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

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

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

GW-12 Analyte	Unit	Remediation Objective (RO)	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	-	< 0.000078	< 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	-	< 0.000155	**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	0.006	< 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	-	< 0.00775	< 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	0.14	< 0.00031	< 0.0004	< 0.0004	< 0.0004 H	< 0.01
Phenanthrene	mg/L	-	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2

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

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Summary of Analytical Results 2020 - February 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

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

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

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Taylorville, Illinois

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

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

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Taylorville, Illinois

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

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

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

GW-14 Analyte	Unit	Remediation Objective (RO)	Result 11/29/2022	Result 2/14/2023	Result 5/17/2023	Result 9/13/2023	Result 10/26/2023	Result 2/13/2024	Result 5/9/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00304**	< 0.002	**0.00309**	**0.00493**	**0.00216**	**0.00416**	**0.00604**
Chrysene	mg/L	0.0015	< 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
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 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
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 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
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.62 J**	< 2 B	< 2	< 2	< 2	**0.64 J**	**1.1 J**
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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

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

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

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

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

GW-15 Analyte	Unit	Remediation Objective (RO)	Result 9/9/2022	Result 11/29/2022	Result 2/15/2023	Result - DUP 2/15/2023	Result 5/18/2023	Result - DUP 5/18/2023	Result 9/13/2023	Result 10/25/2023	Result 2/15/2024	Result 5/10/2024
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**	< 0.0001
Acenaphthylene	mg/L	-	**0.000077 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 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	< 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	< 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	< 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	< 0.0002
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002	< 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	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 H	< 0.002 H	< 0.002	< 0.002 S	< 0.002	< 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	< 0.0002
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	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 H	< 0.0003 H	< 0.0003	< 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**	**0.000219**
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	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01	< 0.01	< 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	< 0.01
Naphthalene	mg/L	0.14	**0.00366**	**0.00414**	< 0.0004	< 0.0004	< 0.0004 H	< 0.0004 H	< 0.0004	< 0.0004	**0.00250**	**0.00315**
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006 H	< 0.0006 H	< 0.0006	< 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	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 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	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.55 J**	< 2 B	< 2 B	< 2	< 2	< 2	< 2	< 2	**0.6 J**
o-Xylene	µg/L	-	**0.11 J**	< 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 RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

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

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

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

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

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

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

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

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

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

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

GW-16D Analyte	Unit	Remediation Objective (RO)	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023	Result 10/25/2023	Result 2/14/2024	Result 5/9/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	**0.0017 J**	**0.00241**	**0.00726**	**0.00770**	< 0.002
Chrysene	mg/L	0.0015	< 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
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 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
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	**0.71**	**0.70**	**0.80**	**0.76**	**0.64**	**0.71**	< 0.5
Bromoform	µg/L	1.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.51 J**	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	**0.12 J**	< 2	**0.13 J**	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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

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

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

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

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

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

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

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

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

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

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

GW-18S Analyte	Unit	Remediation Objective (RO)	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00228**	< 0.002	**0.00331**	**0.00295**	< 0.002	< 0.002	**0.00266**	**0.00450**
Chrysene	mg/L	0.0015	< 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
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 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
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.48 J**	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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

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

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

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

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

GW-18D Analyte	Unit	Remediation Objective (RO)	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00284**	< 0.002	< 0.002	**0.0015 J**	< 0.002	< 0.002	< 0.002	**0.00227**
Chrysene	mg/L	0.0015	< 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
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 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
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.54 J**	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	**0.12 J**	< 2	< 2	**0.19 J**	**0.21 J**
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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

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

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

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

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

GW-19S Analyte	Unit	Remediation Objective (RO)	Result 9/7/2022	Result 11/29/2022	Result - DUP 11/29/2022	Result 2/14/2023	Result - DUP 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00238**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 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	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.5 J**	**0.46 BJ**	< 2 B	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 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 RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

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

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

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

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

GW-19D Analyte	Unit	Remediation Objective (RO)	Result 5/9/2022	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	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	-	< 0.0001	< 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	-	< 0.0002	< 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	0.006	< 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	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	**0.47 BJ**	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 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
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

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

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

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

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

GW-20 Analyte	Unit	Remediation Objective (RO)	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	**0.0007**	**0.000363**	**0.00067**	**0.00018**	**0.000635**	**0.000198**	**0.000172**	**0.000113**
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	**0.000921**	**0.00046**	**0.00065**	**0.00016**	**0.00098**	**0.000314**	**0.000177**	**0.000089 J**
Benzo(a)pyrene	mg/L	0.0002	**0.00271**	**0.00167**	**0.00282**	**0.00068**	**0.00315**	**0.00111**	**0.000579**	**0.000328**
Benzo(b)fluoranthene	mg/L	0.00018	**0.0024**	**0.00128**	**0.0022**	**0.00043**	**0.00269**	**0.000961**	**0.000563**	**0.000282**
Benzo(g,h,i)perylene	mg/L	-	**0.00283**	**0.00159**	**0.00261**	**0.00075**	**0.00324**	**0.00112**	**0.000562**	**0.000566**
Benzo(k)fluoranthene	mg/L	0.00017	**0.000695**	**0.000393**	**0.00051**	**0.00016**	**0.00077**	**0.000288**	**0.000153**	< 0.000200
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0016 J**	< 0.002	< 0.002	< 0.002	**0.0016 J**	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	**0.00118**	**0.000604**	**0.00094**	**0.00022**	**0.00131**	**0.000468**	**0.000236**	**0.000170 J**
Dibenzo(a,h)anthracene	mg/L	0.0003	**0.00049**	**0.00023**	**0.00048**	**0.00012 J**	**0.00068**	**0.00016 J**	< 0.002	< 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	**0.001**	**0.000582**	**0.00058**	< 0.0003	**0.00107**	**0.00033**	< 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
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**
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.00197**	**0.00112**	**0.00123**	**0.00036**	**0.00227**	**0.000534**	**0.000294**	**0.000212**
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.47 BJ**	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	**0.16 J**	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	**0.48 J**	**0.52 J**	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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

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

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

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

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

GW-21 Analyte	Unit	Remediation Objective (RO)	Result 11/29/2022	Result 2/14/2023	Result 5/17/2023	Result 9/15/2023	Result 10/27/2023	Result 2/15/2024	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	-	< 0.0001	< 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	-	< 0.0002	< 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	0.006	**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	-	< 0.01	< 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	0.14	< 0.01	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2 B	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	**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 RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

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

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

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

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

GW-22S Analyte	Unit	Remediation Objective (RO)	Result 5/10/2022	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/15/2024	Result 5/9/2024	Result - DUP 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	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000078 J**	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00347**	< 0.002	< 0.002	< 0.002	< 0.002	**0.0019 J**	**0.0038**	**0.00242**	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000065 J**	< 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	**0.00029 J**	< 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	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**115**	**8.66**	**8.58**
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.98**	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.75 J**	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	**0.47 BJ**	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**2.51**	< 1	< 1
Toluene	µg/L	1000	**0.12 J**	< 2	**0.22 J**	**0.25 J**	< 2	< 2	< 2	**1.0 J**	< 2.0	< 2.0
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	**3.26**	< 2	< 2

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

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

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

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

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

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

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

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

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

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

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

GW-25 Analyte	Unit	Remediation Objective (RO)	Result 5/10/2022	Result 9/6/2022	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023	Result 10/26/2023	Result 2/15/2024	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	-	< 0.0001	< 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	-	< 0.0002	< 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	0.006	< 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	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 S
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.16 J	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2 B	**0.46 BJ**	< 2 B	< 2	**1.5 J**	**3.77**	< 2	< 2	< 2
o-Xylene	µg/L	-	< 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
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds RO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Remediation Objective (RO) = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

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

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

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

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

GW-26 Analyte	Unit	Remediation Objective (RO)	Result 9/6/2022	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/15/2023	Result 10/26/2023	Result 2/15/2024	Result 5/8/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0018 J**	< 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 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
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2 B	< 2 B	< 2	**0.69 J**	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	**0.21 J**	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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

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

G-101S Analyte	Unit	Remediation Objective (RO)	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	-	< 0.000078	< 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	-	< 0.000156	< 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	0.006	< 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	-	< 0.00781	< 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	0.14	< 0.000312	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	**3.01**
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2

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

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

G-102S Analyte	Unit	Remediation Objective (RO)	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	-	< 0.000071	< 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	-	< 0.000143	< 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	0.006	< 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	-	< 0.00714	< 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	0.14	< 0.000286	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	**0.58 J**
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2

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

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

G-102D Analyte	Unit	Remediation Objective (RO)	Result 5/13/2020	Result 5/11/2021	Result 5/10/2022	Result - DUP 5/10/2022	Result 5/16/2023	Result 5/8/2024
Acenaphthene	mg/L	0.42	< 0.000074	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.000074	< 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	-	< 0.000147	< 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	0.006	< 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	-	< 0.00735	< 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	0.14	< 0.000294	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2

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

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

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

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

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

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

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

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

Notes:
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µg/L = micrograms per liter

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

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

Notes:
B = Analyte detected in associated method blank
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Attachment C
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Taylorville, Illinois

QC Samples Analyte	Unit	Remediation Objective (RO)	Trip Blank 1 Result 5/15/2023	Trip Blank 2 Result 5/15/2023	Trip Blank 1 Result 9/15/2023	Trip Blank 1 Result 10/25/2023	Field Blank 1 Result 10/26/2023	Field Blank 2 Result 10/27/2023	Trip Blank 1 Result 2/13/2024	Field Blank 1 Result 2/13/2024	Trip Blank 1 Result 5/10/2024	Field Blank 1 Result 5/8/2024
Acenaphthene	mg/L	0.42	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001	NA	< 0.0001
Acenaphthylene	mg/L	-	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001	NA	< 0.0001
Anthracene	mg/L	2.1	NA	NA	NA	NA	< 0.0003	< 0.0003	NA	< 0.0003	NA	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001	NA	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002	NA	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001	NA	< 0.0002
Benzo(g,h,i)perylene	mg/L	-	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002	NA	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001	NA	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.006	NA	NA	NA	NA	< 0.002	< 0.002	NA	< 0.002	NA	< 0.002
Chrysene	mg/L	0.0015	NA	NA	NA	NA	< 0.0001	< 0.0001	NA	< 0.0001	NA	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002	NA	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	NA	NA	NA	NA	< 0.01	< 0.01	NA	< 0.01	NA	< 0.01
Fluoranthene	mg/L	0.28	NA	NA	NA	NA	< 0.0003	< 0.0003	NA	< 0.0003	NA	< 0.0003
Fluorene	mg/L	0.28	NA	NA	NA	NA	< 0.0002 B	< 0.0002 B	NA	< 0.0002	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	< 0.0002
m,p-Cresol	mg/L	-	NA	NA	NA	NA	< 0.01	< 0.01	NA	< 0.01	NA	< 0.01
o-Cresol	mg/L	0.35	NA	NA	NA	NA	< 0.0004	< 0.0004	NA	< 0.0004	NA	< 0.0004
Naphthalene	mg/L	0.14	NA	NA	NA	NA	< 0.01	< 0.01	NA	< 0.01	NA	< 0.01
Phenanthrene	mg/L	-	NA	NA	NA	NA	< 0.0006	< 0.0006	NA	< 0.0006	NA	< 0.0006
Pyrene	mg/L	0.21	NA	NA	NA	NA	< 0.0002	< 0.0002	NA	< 0.0002	NA	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.29 J**
Bromoform	µg/L	1.0	< 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
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 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	< 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
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µg/L = micrograms per liter

ATTACHMENT D DATA VALIDATION SUMMARY

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MEMO

TO	Michael Abegg
FROM	Rachel James
DATE	2024-06-14
REFERENCE	0721631
SUBJECT	Revised Data Review of Ameren Taylorville, 2Q24 Groundwater Monitoring Samples. Samples Collected May 7 - 10, 2024: Teklab, Inc., Data Package 24050941RR.

Environmental Resources Management, Inc. (ERM) assessed the data quality and applied any necessary qualifiers following the *Quality Assurance Project Plan (QAPP) CIPS Taylorsville Site – Groundwater Monitoring Program*, November 2022, *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.

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- **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 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.

Table Number	Table Name
1	Sample Summary
2	Holding Time Evaluation
3	Calibration Verification Evaluation
4	Field Blank Evaluation
5	Laboratory Control Spike Evaluation
6	Matrix Spike Evaluation
7	Surrogate Evaluation
8	Field Duplicate Evaluation
9	Calibration Range Evaluation

REVISION 1

This QA Memo was revised to incorporate the Groundwater Monitoring Program QAPP.

SAMPLE SUMMARY

A summary of samples reviewed and results validated is included in Table 1.

CHAIN-OF-CUSTODY DISCREPANCIES

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

- 24050941: Although a collection date and time was listed on the chain-of-custody for the trip blank sample, Teklab's policy is to log the trip blank in with the date and time of sample receipt., The analysis of the trip blank sample still would be in hold if the time listed on the chain-of-custody had been used and qualifications were not necessary.

SAMPLES WITH NON-PREFERRED RESULTS

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

CASE NARRATIVE EVALUATION

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

PRESERVATION EVALUATION

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

HOLDING TIME EVALUATION

The samples were prepared and analyzed within the method-prescribed time period from the date of collection, with the exceptions and any necessary qualifications noted in Table 2.

Holding time situations requiring additional professional judgement are detailed below.

- Samples GW-05-WG-2024-0507, GW-101S-WG-20240508, and GW-102S-WG-20240508 were re-analyzed past the holding time due to carryover in the original runs. The re-analysis results were non-detect. These results were compared with historical data for consistency and agreed; therefore, the results were qualified as estimates (UJ) and were not rejected.

INSTRUMENT TUNING EVALUATION

All instrument tuning criteria met method acceptance criteria.

INITIAL CALIBRATION EVALUATION

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

CALIBRATION VERIFICATION EVALUATION

The initial and continuing calibration verifications were within required percent difference (%D) or percent recoveries (%R) and RRF limits (as applicable to the methods) for target analytes, with the exceptions and any necessary qualifications noted in Table 3.

LABORATORY BLANK EVALUATION

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

FIELD BLANK EVALUATION

The trip and equipment blank sample results were non-detected for each of the target analytes, with the exceptions and any necessary qualifications noted in Table 4. Any field blank detections associated with laboratory blank contamination and qualified as non-detected (U) are not included in Table 4. The following criteria were taken into consideration when assessing blank contamination and applying any necessary qualifications:

- Non-detected results or results greater than five times the blank concentration (ten times for inorganics or common laboratory contaminants) were considered not affected by contamination and were not qualified.
- If results were associated with more than one blank, the greater of the two blank concentrations was used for applying qualifications.
- Results within five times the blank concentration (ten times for inorganics or common laboratory contaminants) and less than the reporting limit were qualified as non-detect (U) at the sample reporting limit.
- Results within five times the blank concentration (ten times for inorganics or common laboratory contaminants), greater than the reporting limit, but less than the blank concentration were qualified as non-detect (U) at the sample concentration.
- Results within five times the blank concentration (ten times for inorganics or common laboratory contaminants), greater than the reporting limit, and greater than the blank concentration were qualified as estimates with a high bias (J+).
- Equipment and field blank results associated with method blank contamination were attributed to and qualified for laboratory introduced contamination. No additional qualifications were made to sample results based on the equipment and/or field blanks in these instances.

LABORATORY CONTROL SPIKE EVALUATION

The laboratory control sample (LCS) recoveries and, if included, the laboratory control sample duplicate (LCSD) recoveries and relative percent differences (RPDs) were within the laboratory's limits of acceptance, with the exceptions and any necessary qualifications noted in Table 5. Results were not qualified if the paired spiked sample recovery was acceptable, if high recoveries or RPDs were associated with non-detected results, or if the exception was not associated with reported results.

MATRIX SPIKE EVALUATION

The matrix spike (MS) recoveries and, if included, the matrix spike duplicate (MSD) recoveries and RPDs were within the laboratory's limits of acceptance for target analytes for spiked project samples, with the exceptions and any necessary

qualifications noted in Table 6. 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 7. Results were not qualified if the sample dilution factor was greater than or equal to 10, if high recoveries were associated with non-detected results, if only one acid or base/neutral surrogate for semivolatiles was out, if the affected surrogate was not associated with reported analytes, or if the affected sample was laboratory quality control.

INTERNAL STANDARD EVALUATION

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

FIELD DUPLICATE EVALUATION

One or more samples were submitted to the laboratory as field duplicates. RPDs or absolute differences were calculated as appropriate for detected results. When results were greater than or equal to five times the reporting limit, RPD control limits of 30 for an aqueous matrix or 50 for a non-aqueous matrix were used. When results were less than five times the reporting limit, difference limits of ± two times the reporting limit for an aqueous matrix or ± four times the reporting limit for a non-aqueous matrix were used. Control limits were not applicable if both results were less than the reporting limits. If one result was greater than the reporting limit and the other was not detected, the reporting limit for the non-detect result was used when calculating differences. Additionally, if the reporting limits were not the same between the parent and field duplicate samples, professional judgment was used to determine the difference control limit or if the calculation was meaningful. The RPDs and/or absolute differences were within QAPP criteria, whichever is applicable, with any exceptions and necessary qualifications noted in Table 8.

CALIBRATION RANGE EVALUATION

All results were reported within each instrument’s calibration range, with the exceptions and any necessary qualifications noted in Table 9.

Recalculation

All result recalculations performed agreed with reported results.

PROFESSIONAL JUDGEMENT EVALUATION

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

OVERALL ASSESSMENT

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

Table 1
Sample Summary
2Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	VOCs (8260B)	SVOCs (8270C)
24050941RR	GW-04R-WG-20240510	24050941-001	Groundwater	5/10/2024	-	x	x
	GW-05-WG-20240507	24050941-002	Groundwater	5/7/2024	-	x	x
	GW-07-WG-20240509	24050941-003	Groundwater	5/9/2024	-	x	x
	GW-14-WG-20240509	24050941-004	Groundwater	5/9/2024	-	x	x
	GW-15-WG-20240510	24050941-005	Groundwater	5/10/2024	-	x	x
	GW-16S-WG-20240509	24050941-006	Groundwater	5/9/2024	-	x	x
	GW-16D-WG-20240509	24050941-007	Groundwater	5/9/2024	-	x	x
	GW-17-WG-20240509	24050941-008	Groundwater	5/9/2024	-	x	x
	GW-18S-WG-20240507	24050941-009	Groundwater	5/7/2024	-	x	x
	GW-18D-WG-20240507	24050941-010	Groundwater	5/7/2024	-	x	x
	GW-19S-WG-20240507	24050941-011	Groundwater	5/7/2024	-	x	x
	GW-19D-WG-20240507	24050941-012	Groundwater	5/7/2024	-	x	x
	GW-20-WG-20240507	24050941-013	Groundwater	5/7/2024	-	x	x
	GW-21-WG-20240508	24050941-014	Groundwater	5/8/2024	-	x	x
	GW-22S-WG-20240509	24050941-015	Groundwater	5/9/2024	-	x	x
	GW-22D-WG-20240509	24050941-016	Groundwater	5/9/2024	-	x	x
	DUP-001-WG-20240509	24050941-017	Groundwater	5/9/2024	GW-07-WG-20240509	x	x
	TB-001-WQ-20240507	24050941-018	Water Quality	5/7/2024	-	x	
	DUP-002-WG-20240509	24050941-019	Groundwater	5/9/2024	GW-22S-WG-20240509	x	x
	GW-12-WG-20240508	24050941-020	Groundwater	5/8/2024	-	x	x
	GW-101S-WG-20240508	24050941-021	Groundwater	5/8/2024	-	x	x
	GW-102S-WG-20240508	24050941-022	Groundwater	5/8/2024	-	x	x

Table 1
Sample Summary
2Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	VOCs (8260B)	SVOCs (8270C)
	GW-04R-WG-20240510	24050941-001	Groundwater	5/10/2024	-	x	x
	GW-05-WG-20240507	24050941-002	Groundwater	5/7/2024	-	x	x
24050941RR	GW-102D-WG-20240508	24050941-023	Groundwater	5/8/2024	-	x	x
	DUP-003-WG-20240510	24050941-024	Groundwater	5/10/2024	GW-04R-WG-20240510	x	x
	GW-25-WG-20240509	24050941-025	Groundwater	5/9/2024	-	x	x
	GW-26-WG-20240508	24050941-026	Groundwater	5/8/2024	-	x	x
	EQB-001-WQ-20240508	24050941-027	Water Quality	5/8/2024	-	x	x

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

Table 2
Holding Time Evaluation
2Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Analysis Holding Time	Total Time	Analyte	ERM Qualifier
24050941RR	GW-05-WG-20240507	8260B	14 days	24 days	Naphthalene (8260B)	UJ
	GW-101S-WG-20240508	8260B	14 days	23 days	Naphthalene (8260B)	UJ
	GW-102S-WG-20240508	8260B	14 days	23 days	Naphthalene (8260B)	UJ

Notes:
UJ = non-detected, estimated report limit

Table 3
Calibration Verification Evaluation
2Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	ICV/CCV Sample ID	Analyte	ICV/CCV (%)	ICV/CCV RRF	Limits	Associated Sample	Result	Units	ERM Qualifier
24050941RR	CCV BNA240502C	Benzo(b)fluoranthene	28.6 %D	--	± 25.0	DUP-001-WG-20240509	ND	mg/L	UJ
						GW-101S-WG-20240508	ND	mg/L	UJ
						GW-102D-WG-20240508	ND	mg/L	UJ
						GW-102S-WG-20240508	ND	mg/L	UJ
						GW-12-WG-20240508	ND	mg/L	UJ
						GW-20-WG-20240507	0.00028	mg/L	J
						GW-21-WG-20240508	ND	mg/L	UJ
						GW-22D-WG-20240509	ND	mg/L	UJ
						GW-22S-WG-20240509	ND	mg/L	UJ
						GW-26-WG-20240508	ND	mg/L	UJ
	CCV BNA240502C	Benzo(k)fluoranthene	-29.3 %D	--	± 25.0	DUP-001-WG-20240509	ND	mg/L	UJ
						GW-101S-WG-20240508	ND	mg/L	UJ
						GW-102D-WG-20240508	ND	mg/L	UJ
						GW-102S-WG-20240508	ND	mg/L	UJ
						GW-12-WG-20240508	ND	mg/L	UJ
						GW-20-WG-20240507	ND	mg/L	UJ
						GW-21-WG-20240508	ND	mg/L	UJ
						GW-22D-WG-20240509	ND	mg/L	UJ
						GW-22S-WG-20240509	ND	mg/L	UJ
						GW-26-WG-20240508	ND	mg/L	UJ

Table 3
Calibration Verification Evaluation
2Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	ICV/CCV Sample ID	Analyte	ICV/CCV (%)	ICV/CCV RRF	Limits	Associated Sample	Result	Units	ERM Qualifier
24050941RR	CCV BNA240502C	Indeno(1,2,3-cd)pyrene	-25.9 %D	--	± 25.0	DUP-001-WG-20240509	ND	mg/L	UJ
						GW-101S-WG-20240508	ND	mg/L	UJ
						GW-102D-WG-20240508	ND	mg/L	UJ
						GW-102S-WG-20240508	ND	mg/L	UJ
						GW-12-WG-20240508	ND	mg/L	UJ
						GW-20-WG-20240507	0.00031	mg/L	J
						GW-21-WG-20240508	ND	mg/L	UJ
						GW-22D-WG-20240509	ND	mg/L	UJ
						GW-22S-WG-20240509	ND	mg/L	UJ
						GW-26-WG-20240508	ND	mg/L	UJ

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

Table 4
Field Blank Evaluation
2Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Blank ID	Analyte	Reported Blank Conc.	Blank RL	Associated Sample	Assoc. Sample Result	Assoc. Sample RL	Units	ERM Qualifier
24050941RR	EQB-001-WQ-20240508	Benzene	0.29	0.50	None for qualification, samples ND or > 5x blank	--	--	--	--

Notes:
-- = not applicable; associated data not affected
Conc. = concentration
EQB = equipment blank
ND = not detected
RL = reporting limit

Table 5
Laboratory Control Spike Evaluation
2Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
24050941RR	LCS-223004	None for qualification, one recovery passes	Benzo(a)anthracene	116/Pass	56.6-113	7.30	34.5	--	--	--

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

Table 6
Matrix Spike Evaluation
2Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
24050941RR	GW-25-WG-20240509 MS/MSD	None for qualification, parent sample ND	Acenaphthene	101.2/Pass	62.7-99	20.90	18.6	--	--	--
			Anthracene	116.9/Pass	58.5-108	20.59	18.6	--	--	--
		None for qualification, one recovery passes	Benzo(g,h,i)perylene	129.3/Pass	62.2-120	Pass	18.6	--	--	--
			Benzo(k)fluoranthene	121.8/Pass	61.3-111	Pass	18.6	--	--	--
			Bis(2-ethylhexyl)phthalate	216.1/Pass	80.2-167	Pass	18.6	--	--	--
			Chrysene	120.8/Pass	57.1-113	Pass	18.6	--	--	--
			Fluoranthene	116.8/Pass	61.7-113	Pass	18.6	--	--	--
		None for qualification, parent sample ND	Fluorene	Pass/Pass	59.7-107	22.55	18.6	--	--	--
			m,p-Cresol	Pass/Pass	60-109	20.79	18.6	--	--	--
			Naphthalene (8270C)	Pass/Pass	60.6-101	20.59	18.6	--	--	--
			o-Cresol	Pass/Pass	57.4-108	20.99	18.6	--	--	--
			Phenanthrene	Pass/Pass	57.9-117	19.55	18.6	--	--	--
		None for qualification, one recovery passes	Pyrene	114.1/Pass	53.7-107	Pass	18.6	--	--	--
	DUP-003-WG-20240510 MS/MSD	None for qualification, one recovery passes	Benzene	119.1/Pass	74.1-118	Pass	20	--	--	--

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

Table 7
Surrogate Evaluation
2Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Surrogate	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
24050941RR	GW-04R-WG-20240510	8270C	2-Fluorobiphenyl	128.4	39.6-113	All detects from 1x dilution	1	J+
			Nitrobenzene-d5	146.2	41.1-114		1	
	GW-17-WG-20240509	8270C	Phenol-d5	116.5	23.2-103	None for qualification, no detects	1	--
	DUP-003-WG-20240510	8270C	2-Fluorobiphenyl	0	39.6-113	None for qualification, dilution factor ≥ 10	100	--

Notes:
-- = not applicable; associated data not affected
J+ = detected results are estimated with a high bias

Table 8
Field Duplicate Evaluation
2Q24 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					
24050941RR	GW-07-WG-20240509/ DUP-001-WG-20240509	Acenaphthene	0.000136	0.000121	0.000100	0.000100	mg/L	0.000015	--	0.000200	--
		Acenaphthylene	0.000177	0.000182	0.000100	0.000100	mg/L	0.000005	--	0.000200	--
		Anthracene	0.00193	0.00141	0.000300	0.000300	mg/L	0.00052	--	0.000600	--
		Benzo(a)anthracene	0.000218	0.000183	0.000100	0.000100	mg/L	0.000035	--	0.000200	--
		Bis(2-ethylhexyl)phthalate	0.00748	0.0016	0.00400	0.00200	mg/L	0.0059	--	0.00400	J
		Chrysene	0.000204	0.00014	0.000200	0.000200	mg/L	0.00006	--	0.000400	--
		Fluoranthene	0.00129	0.000934	0.000300	0.000300	mg/L	0.00036	--	0.000600	--
		Fluorene	0.000343	0.000334	0.000200	0.000200	mg/L	0.00001	--	0.000400	--
		Pyrene	0.00336	0.00237	0.000200	0.000200	mg/L	--	35	30	J
		Naphthalene (8260B)	2.81	ND[1]	2.00	2.00	µg/L	0.81	--	4.00	--
	GW-22S-WG-20240509/ DUP-002-WG-20240509	Benzene	8.66	8.58	0.50	0.50	µg/L	--	0.93	30	--
	GW-04R-WG-20240510/ DUP-003-WG-20240510	Acenaphthene	0.0171	0.203	0.0100	0.0100	mg/L	0.186	--	0.0200	J
		Acenaphthylene	0.0062	0.0056	0.010	0.010	mg/L	--	--	NA	--
		Anthracene	0.00122	0.00153	0.000300	0.000300	mg/L	0.00031	--	0.000600	--
		Benzo(a)anthracene	0.000205	0.000204	0.000100	0.000100	mg/L	0.000001	--	0.000200	--
		Chrysene	0.000455	0.000436	0.000200	0.000200	mg/L	0.000019	--	0.000400	--
		Fluorene	0.0672	0.0691	0.0200	0.0200	mg/L	0.0019	--	0.0400	--
		Naphthalene	1.02	1.38	0.400	0.400	mg/L	0.36	--	0.800	--
		Phenanthrene	0.0679	0.0648	0.0600	0.0600	mg/L	0.0031	--	0.1200	--
		Pyrene	0.00362	0.00374	0.000200	0.000200	mg/L	--	3.3	30	--

Table 8
Field Duplicate Evaluation
2Q24 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					
24050941RR	GW-04R-WG-20240510/ DUP-003-WG-20240510	Benzene	1130	999	5.00	5.00	µg/L	--	12	30	--
		Ethylbenzene	295	261	10.0	10.0	µg/L	--	12	30	--
		m,p-Xylenes	226	216	1.00	1.00	µg/L	--	4.5	30	--
		Naphthalene (8260B)	2300	2220	20.0	20.0	µg/L	--	3.5	30	--
		o-Xylene	196	188	1.00	1.00	µg/L	--	4.2	30	--
		Toluene	132	125	2.00	2.00	µg/L	--	5.4	30	--
		Xylenes, Total	422	403	2.00	2.00	µg/L	--	4.6	30	--

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

Table 9
Calibration Range Evaluation
2Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Analyte	Reported Concentration	Units	ERM Qualifier
24050941RR	GW-04R-WG-20240510	Naphthalene (8260B)	2300	µg/L	J
	DUP-003-WG-20240510	Naphthalene (8260B)	2220	µg/L	J

Notes:
J = estimated detected result
µg/L = micrograms per liter

ATTACHMENT E ANALYTICAL RESULTS - WELL REDEVELOPMENT

April 12, 2024

Michael Abegg
ERM
1968 Craig Road
Suite 100
St. Louis, MO 63146
TEL: (314) 551-7098
FAX:

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

RE: Ameren MGP Taylorville Performance Monitoring **WorkOrder:** 24040613

Dear Michael Abegg:

TEKLAB, INC received 2 samples on 4/5/2024 11:38:00 AM for the analysis presented in the following report.

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

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

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

Sincerely,

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

Report Contents

http://www.teklabinc.com/

Client: ERM

Work Order: 24040613

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 12-Apr-24

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Client: ERM **Work Order:** 24040613

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 12-Apr-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: 24040613

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 12-Apr-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		

Client: ERM

Work Order: 24040613

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 12-Apr-24

Cooler Receipt Temp: 3.1 °C

Locations

Collinsville

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

Springfield

Address	3920 Pintail Dr Springfield, IL 62711-9415
Phone	(217) 698-1004
Fax	(217) 698-1005
Email	KKlostermann@teklabinc.com

Kansas City

Address	8421 Nieman Road Lenexa, KS 66214
Phone	(913) 541-1998
Fax	(913) 541-1998
Email	jhriley@teklabinc.com

Collinsville Air

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

Chicago

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

Accreditations

Client: ERM

Work Order: 24040613

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 12-Apr-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	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24040613
Client Project: Ameren MGP Taylorville Performance Monitoring
Report Date: 12-Apr-24
Lab ID: 24040613-001
Client Sample ID: GW-4R-WG-20240403
Matrix: GROUNDWATER
Collection Date: 04/03/2024 17:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.00250		**0.0140**	mg/L	25	04/11/2024 17:30	221062
Anthracene	NELAP	0.000300		**0.000381**	mg/L	1	04/09/2024 13:23	221062
Benzo(a)anthracene	NELAP	0.000100		**0.000191**	mg/L	1	04/09/2024 13:23	221062
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	04/09/2024 13:23	221062
Benzo(b)fluoranthene	NELAP	0.00020	J	**0.00020**	mg/L	1	04/09/2024 13:23	221062
Benzo(k)fluoranthene	NELAP	0.000200		**ND**	mg/L	1	04/09/2024 13:23	221062
Chrysene	NELAP	0.000200		**0.000241**	mg/L	1	04/09/2024 13:23	221062
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	04/09/2024 13:23	221062
Fluoranthene	NELAP	0.000300		**0.00369**	mg/L	1	04/09/2024 13:23	221062
Fluorene	NELAP	0.00500		**0.0368**	mg/L	25	04/11/2024 17:30	221062
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	04/09/2024 13:23	221062
Naphthalene	NELAP	0.0100		**0.108**	mg/L	25	04/11/2024 17:30	221062
Pyrene	NELAP	0.000200		**0.00203**	mg/L	1	04/09/2024 13:23	221062
Surr: 2-Fluorobiphenyl	*	44.3-113		**69.7**	%REC	1	04/09/2024 13:23	221062
Surr: Nitrobenzene-d5	*	46.6-114		**77.1**	%REC	1	04/09/2024 13:23	221062
Surr: p-Terphenyl-d14	*	42.2-147		**77.8**	%REC	1	04/09/2024 13:23	221062
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**620**	µg/L	10	04/08/2024 14:19	221020
Ethylbenzene	NELAP	2.0		**128**	µg/L	1	04/05/2024 15:38	220936
Naphthalene	NELAP	5.0		**ND**	µg/L	1	04/05/2024 15:38	220936
Toluene	NELAP	2.0		**133**	µg/L	1	04/05/2024 15:38	220936
Xylenes, Total	NELAP	4.0		**183**	µg/L	1	04/05/2024 15:38	220936
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.7**	%REC	1	04/05/2024 15:38	220936
Surr: 4-Bromofluorobenzene	*	80-120		**96.9**	%REC	1	04/05/2024 15:38	220936
Surr: Dibromofluoromethane	*	80-120		**96.6**	%REC	1	04/05/2024 15:38	220936
Surr: Toluene-d8	*	80-120		**98.8**	%REC	1	04/05/2024 15:38	220936

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24040613
Client Project: Ameren MGP Taylorville Performance Monitoring
Report Date: 12-Apr-24
Lab ID: 24040613-002
Client Sample ID: TB-002-WQ-20240403
Matrix: TRIP BLANK
Collection Date: 04/03/2024 17:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	04/05/2024 16:02	220936
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	04/05/2024 16:02	220936
Naphthalene	NELAP	5.0	J	**2.8**	µg/L	1	04/05/2024 16:02	220936
Toluene	NELAP	2.0	J	**0.2**	µg/L	1	04/05/2024 16:02	220936
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	04/05/2024 16:02	220936
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.6**	%REC	1	04/05/2024 16:02	220936
Surr: 4-Bromofluorobenzene	*	80-120		**96.1**	%REC	1	04/05/2024 16:02	220936
Surr: Dibromofluoromethane	*	80-120		**96.4**	%REC	1	04/05/2024 16:02	220936
Surr: Toluene-d8	*	80-120		**98.8**	%REC	1	04/05/2024 16:02	220936

Sample Summary

http://www.teklabinc.com/

Client: ERM

Work Order: 24040613

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 12-Apr-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24040613-001	GW-4R-WG-20240403	Groundwater	2	04/03/2024 17:40
24040613-002	TB-002-WQ-20240403	Trip Blank	1	04/03/2024 17:30

Dates Report

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren MGP Taylorville Performance Monitoring

Work Order: 24040613

Report Date: 12-Apr-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
24040613-001A	GW-4R-WG-20240403	04/03/2024 17:40	04/05/2024 11:38		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/08/2024 17:07	04/09/2024 13:23
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/08/2024 17:07	04/11/2024 17:30
24040613-001B	GW-4R-WG-20240403	04/03/2024 17:40	04/05/2024 11:38		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/05/2024 15:38
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/08/2024 14:19
24040613-002A	TB-002-WQ-20240403	04/03/2024 17:30	04/05/2024 11:38		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/05/2024 16:02

Client: ERM **Work Order:** 24040613

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 12-Apr-24

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

Batch 221062 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221062

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						04/09/2024
Anthracene		0.000300		**ND**						04/09/2024
Benzo(a)anthracene		0.000100		**ND**						04/09/2024
Benzo(a)pyrene		0.000200		**ND**						04/09/2024
Benzo(b)fluoranthene		0.000200		**ND**						04/09/2024
Benzo(k)fluoranthene		0.000200		**ND**						04/09/2024
Chrysene		0.000200		**ND**						04/09/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						04/09/2024
Fluoranthene		0.000300		**ND**						04/09/2024
Fluorene		0.000200		**ND**						04/09/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						04/09/2024
Naphthalene		0.000400		**ND**						04/09/2024
Pyrene		0.000200		**ND**						04/09/2024
Surr: 2-Fluorobiphenyl	*			**0.000757**	0.0010		75.7	49.2	114	04/09/2024
Surr: Nitrobenzene-d5	*			**0.000778**	0.0010		77.8	49.3	116	04/09/2024
Surr: p-Terphenyl-d14	*			**0.00100**	0.0010		100.0	40	151	04/09/2024

Batch 221062 **SampType:** LCS Units **mg/L**

SampID: LCS-221062

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00161**	0.0020	0	80.4	59.6	100	04/09/2024
Anthracene		0.000300		**0.00157**	0.0020	0	78.3	55	111	04/09/2024
Benzo(a)anthracene		0.000100		**0.00199**	0.0020	0	99.7	56.6	113	04/09/2024
Benzo(a)pyrene		0.000200		**0.00173**	0.0020	0	86.7	54.8	122	04/09/2024
Benzo(b)fluoranthene		0.000200		**0.00222**	0.0020	0	111.0	50.6	130	04/09/2024
Benzo(k)fluoranthene		0.000200		**0.00165**	0.0020	0	82.7	56.3	116	04/09/2024
Chrysene		0.000200		**0.00156**	0.0020	0	78.1	55	115	04/09/2024
Dibenzo(a,h)anthracene		0.000200		**0.00170**	0.0020	0	85.0	58.6	135	04/09/2024
Fluoranthene		0.000300		**0.00172**	0.0020	0	86.2	57	115	04/09/2024
Fluorene		0.000200		**0.00168**	0.0020	0	84.1	57.2	108	04/09/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00191**	0.0020	0	95.4	62.3	128	04/09/2024
Naphthalene		0.000400		**0.00152**	0.0020	0	76.2	59.3	102	04/09/2024
Pyrene		0.000200		**0.00171**	0.0020	0	85.3	55	108	04/09/2024
Surr: 2-Fluorobiphenyl	*			**0.000786**	0.0010		78.6	50	110	04/09/2024
Surr: Nitrobenzene-d5	*			**0.000894**	0.0010		89.4	51.2	114	04/09/2024
Surr: p-Terphenyl-d14	*			**0.00108**	0.0010		108.1	39.9	143	04/09/2024

Client: ERM **Work Order:** 24040613

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 12-Apr-24

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

Batch **221062** **SampType:** **LCSD** Units **mg/L** RPD Limit: **34.5**

SampID: LCSD-221062

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00162**	0.0020	0	80.9	0.001608	0.68	04/09/2024
Anthracene		0.000300		**0.00158**	0.0020	0	78.8	0.001566	0.69	04/09/2024
Benzo(a)anthracene		0.000100		**0.00200**	0.0020	0	100.0	0.001993	0.37	04/09/2024
Benzo(a)pyrene		0.000200		**0.00176**	0.0020	0	87.8	0.001735	1.19	04/09/2024
Benzo(b)fluoranthene		0.000200		**0.00220**	0.0020	0	109.8	0.002219	1.02	04/09/2024
Benzo(k)fluoranthene		0.000200		**0.00163**	0.0020	0	81.7	0.001654	1.25	04/09/2024
Chrysene		0.000200		**0.00158**	0.0020	0	78.9	0.001561	1.07	04/09/2024
Dibenzo(a,h)anthracene		0.000200		**0.00169**	0.0020	0	84.7	0.001700	0.34	04/09/2024
Fluoranthene		0.000300		**0.00172**	0.0020	0	86.0	0.001724	0.30	04/09/2024
Fluorene		0.000200		**0.00170**	0.0020	0	85.2	0.001682	1.28	04/09/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00204**	0.0020	0	102.2	0.001909	6.89	04/09/2024
Naphthalene		0.000400		**0.00155**	0.0020	0	77.4	0.001523	1.61	04/09/2024
Pyrene		0.000200		**0.00170**	0.0020	0	85.1	0.001707	0.24	04/09/2024
Surr: 2-Fluorobiphenyl	*			**0.000803**	0.0010		80.3			04/09/2024
Surr: Nitrobenzene-d5	*			**0.000900**	0.0010		90.0			04/09/2024
Surr: p-Terphenyl-d14	*			**0.00103**	0.0010		103.0			04/09/2024

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

Batch **220936** **SampType:** **MBLK** Units **µg/L**

SampID: MBLK-AK240405A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						04/05/2024
Ethylbenzene	*	2.0		**ND**						04/05/2024
Naphthalene	*	5.0		**ND**						04/05/2024
Toluene	*	2.0		**ND**						04/05/2024
Xylenes, Total	*	4.0		**ND**						04/05/2024
Surr: 1,2-Dichloroethane-d4	*			**46.4**	50.00		92.7	80	120	04/05/2024
Surr: 4-Bromofluorobenzene	*			**48.0**	50.00		96.0	80	120	04/05/2024
Surr: Dibromofluoromethane	*			**48.3**	50.00		96.7	80	120	04/05/2024
Surr: Toluene-d8	*			**49.4**	50.00		98.8	80	120	04/05/2024

Client: ERM **Work Order:** 24040613

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 12-Apr-24

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

Batch 220936 **SampType:** LCS Units **µg/L**

SampID: LCS-AK240405A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**49.1**	50.00	0	98.2	81.6	120	04/05/2024
Ethylbenzene	*	2.0		**49.5**	50.00	0	99.0	82.4	116	04/05/2024
Naphthalene	*	5.0		**47.3**	50.00	0	94.7	71	126	04/05/2024
Toluene	*	2.0		**49.0**	50.00	0	98.1	82.3	113	04/05/2024
Xylenes, Total	*	4.0		**148**	150.0	0	98.4	82.7	116	04/05/2024
Surr: 1,2-Dichloroethane-d4	*			**46.4**	50.00		92.9	80	120	04/05/2024
Surr: 4-Bromofluorobenzene	*			**47.9**	50.00		95.9	80	120	04/05/2024
Surr: Dibromofluoromethane	*			**48.8**	50.00		97.7	80	120	04/05/2024
Surr: Toluene-d8	*			**49.3**	50.00		98.6	80	120	04/05/2024

Batch 220936 **SampType:** LCSD Units **µg/L** RPD Limit: **20**

SampID: LCSD-AK240405A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**46.9**	50.00	0	93.8	49.09	4.56	04/05/2024
Ethylbenzene	*	2.0		**47.6**	50.00	0	95.2	49.49	3.91	04/05/2024
Naphthalene	*	5.0		**46.2**	50.00	0	92.4	47.33	2.37	04/05/2024
Toluene	*	2.0		**47.3**	50.00	0	94.7	49.05	3.55	04/05/2024
Xylenes, Total	*	4.0		**143**	150.0	0	95.0	147.6	3.52	04/05/2024
Surr: 1,2-Dichloroethane-d4	*			**45.9**	50.00		91.8			04/05/2024
Surr: 4-Bromofluorobenzene	*			**47.8**	50.00		95.6			04/05/2024
Surr: Dibromofluoromethane	*			**48.6**	50.00		97.3			04/05/2024
Surr: Toluene-d8	*			**49.0**	50.00		98.1			04/05/2024

Batch 220936 **SampType:** LCS Units **µg/L**

SampID: QCS-AK240405A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**49.1**	50.00	0	98.2	65	135	04/05/2024
Ethylbenzene		2.0		**49.5**	50.00	0	99.0	60	140	04/05/2024
Naphthalene		5.0		**47.3**	50.00	0	94.7	60	140	04/05/2024
Toluene		2.0		**49.0**	50.00	0	98.1	70	130	04/05/2024
Xylenes, Total		4.0		**148**	150.0	0	98.4	60	140	04/05/2024
Surr: 1,2-Dichloroethane-d4	*			**46.4**	50.00		92.9	80	120	04/05/2024
Surr: 4-Bromofluorobenzene	*			**47.9**	50.00		95.9	80	120	04/05/2024
Surr: Dibromofluoromethane	*			**48.8**	50.00		97.7	80	120	04/05/2024
Surr: Toluene-d8	*			**49.3**	50.00		98.6	80	120	04/05/2024

Client: ERM **Work Order:** 24040613

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 12-Apr-24

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

Batch 220936 **SampType:** LCSD Units **µg/L** RPD Limit: **40**

SampID: QCSD-AK240405A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**46.9**	50.00	0	93.8	49.09	4.56	04/05/2024
Ethylbenzene		2.0		**47.6**	50.00	0	95.2	49.49	3.91	04/05/2024
Naphthalene		5.0		**46.2**	50.00	0	92.4	47.33	2.37	04/05/2024
Toluene		2.0		**47.3**	50.00	0	94.7	49.05	3.55	04/05/2024
Xylenes, Total		4.0		**143**	150.0	0	95.0	147.6	3.52	04/05/2024
Surr: 1,2-Dichloroethane-d4	*			**45.9**	50.00		91.8			04/05/2024
Surr: 4-Bromofluorobenzene	*			**47.8**	50.00		95.6			04/05/2024
Surr: Dibromofluoromethane	*			**48.6**	50.00		97.3			04/05/2024
Surr: Toluene-d8	*			**49.0**	50.00		98.1			04/05/2024

Batch 221020 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AM240408A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						04/08/2024
Ethylbenzene	*	2.0		**ND**						04/08/2024
Naphthalene	*	5.0		**ND**						04/08/2024
Toluene	*	2.0		**ND**						04/08/2024
Xylenes, Total	*	4.0		**ND**						04/08/2024
Surr: 1,2-Dichloroethane-d4	*			**50.7**	50.00		101.4	80	120	04/08/2024
Surr: 4-Bromofluorobenzene	*			**49.7**	50.00		99.4	80	120	04/08/2024
Surr: Dibromofluoromethane	*			**48.6**	50.00		97.1	80	120	04/08/2024
Surr: Toluene-d8	*			**51.4**	50.00		102.8	80	120	04/08/2024

Batch 221020 **SampType:** LCS Units **µg/L**

SampID: LCS-AM240408A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**52.1**	50.00	0	104.2	81.6	120	04/08/2024
Ethylbenzene	*	2.0		**53.3**	50.00	0	106.6	82.4	116	04/08/2024
Naphthalene	*	5.0		**52.7**	50.00	0	105.4	71	126	04/08/2024
Toluene	*	2.0		**54.2**	50.00	0	108.5	82.3	113	04/08/2024
Xylenes, Total	*	4.0		**162**	150.0	0	108.2	82.7	116	04/08/2024
Surr: 1,2-Dichloroethane-d4	*			**50.7**	50.00		101.4	80	120	04/08/2024
Surr: 4-Bromofluorobenzene	*			**50.9**	50.00		101.7	80	120	04/08/2024
Surr: Dibromofluoromethane	*			**50.3**	50.00		100.5	80	120	04/08/2024
Surr: Toluene-d8	*			**51.8**	50.00		103.6	80	120	04/08/2024

Quality Control Results

http://www.teklabinc.com/

Client: ERM

Work Order: 24040613

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 12-Apr-24

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

Batch **221020** **SampType:** **LCSD** Units **µg/L** RPD Limit: **20**

SampID: LCSD-AM240408A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**48.1**	50.00	0	96.2	52.10	8.00	04/08/2024
Ethylbenzene	*	2.0		**49.8**	50.00	0	99.6	53.29	6.73	04/08/2024
Naphthalene	*	5.0		**50.4**	50.00	0	100.9	52.71	4.38	04/08/2024
Toluene	*	2.0		**50.2**	50.00	0	100.4	54.25	7.74	04/08/2024
Xylenes, Total	*	4.0		**152**	150.0	0	101.1	162.2	6.73	04/08/2024
Surr: 1,2-Dichloroethane-d4	*			**50.1**	50.00		100.3			04/08/2024
Surr: 4-Bromofluorobenzene	*			**49.4**	50.00		98.7			04/08/2024
Surr: Dibromofluoromethane	*			**49.8**	50.00		99.6			04/08/2024
Surr: Toluene-d8	*			**51.5**	50.00		103.0			04/08/2024

Receiving Check List

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren MGP Taylorville Performance Monitoring

Work Order: 24040613

Report Date: 12-Apr-24

Carrier: Joshua Richards

Received By: WAO

Completed by: Paul Schultz
On: 05-Apr-24

Reviewed by: Ellie Hopkins
On: 05-Apr-24

Pages to follow: Chain of custody 1 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 3.1
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.

Per client request, Trip Blank collection date and time will be reported as listed on the chain of custody rather than as the received date and time (end of trip). - ehurley - 4/5/2024 6:28:15 PM

Headspace was present in the TB volatile vials. Client was notified via work order summary. - LM/ehurley - 4/5/2024 6:28:19 PM

CHAIN OF CUSTODY

pg. ____ of ____ Work order # 24040613

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

Client: ERM
Address: 1968 Craig Road
City / State / Zip St. Louis, MO 63146
Contact: Michael Abegg **Phone:** (314) 551-7098
E-Mail: michael.abegg@erm.com **Fax:**

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 3.1 °C LTG# 3
Preserved in: ☐ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes HS present in 2/2 vials for TB on 4/5

Client Comments:

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

Project Name/Number
Ameren MGP Taylorville Performance Monitoring

Sample Collector's Name
J. Richards

Results Requested
☒ Standard ☐ 1-2 Day (100% Surcharge)
☒ Other 5 day ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	BTEXN	Select SVOCs
24040613-001	GW-4R-WG-20240403	4/3/24 1740	1				2									X	X	X
-002	TB-002-WQ-20240403	4/3/24 1730					2										X	

Relinquished By	Date/Time	Received By	Date/Time
Joshua Kisherty	4/5/24 1138	[illegible]	4/5/24 1138

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: 88520

April 11, 2024

Michael Abegg
ERM
1968 Craig Road
Suite 100
St. Louis, MO 63146
TEL: (314) 551-7098
FAX:

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

RE: Ameren MGP Taylorville **WorkOrder:** 24040614

Dear Michael Abegg:

TEKLAB, INC received 2 samples on 4/5/2024 11:38:00 AM for the analysis presented in the following report.

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

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

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

Sincerely,

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

Report Contents

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren MGP Taylorville

Work Order: 24040614

Report Date: 11-Apr-24

This reporting package includes the following:

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Client: ERM **Work Order:** 24040614

Client Project: Ameren MGP Taylorville **Report Date:** 11-Apr-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: 24040614

Client Project: Ameren MGP Taylorville

Report Date: 11-Apr-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

Client Project: Ameren MGP Taylorville

Work Order: 24040614

Report Date: 11-Apr-24

Cooler Receipt Temp: 3.1 °C

Locations

Collinsville

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

Springfield

Address	3920 Pintail Dr Springfield, IL 62711-9415
Phone	(217) 698-1004
Fax	(217) 698-1005
Email	KKlostermann@teklabinc.com

Kansas City

Address	8421 Nieman Road Lenexa, KS 66214
Phone	(913) 541-1998
Fax	(913) 541-1998
Email	jhriley@teklabinc.com

Collinsville Air

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

Chicago

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

Accreditations

Client: ERM

Client Project: Ameren MGP Taylorville

Work Order: 24040614

Report Date: 11-Apr-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	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24040614
Client Project: Ameren MGP Taylorville
Report Date: 11-Apr-24
Lab ID: 24040614-001
Client Sample ID: GW-22S-WG-20240403
Matrix: GROUNDWATER
Collection Date: 04/03/2024 15:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	04/09/2024 14:01	221062
Anthracene	NELAP	0.000300		**ND**	mg/L	1	04/09/2024 14:01	221062
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	04/09/2024 14:01	221062
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	04/09/2024 14:01	221062
Benzo(b)fluoranthene	NELAP	0.000200		**ND**	mg/L	1	04/09/2024 14:01	221062
Benzo(k)fluoranthene	NELAP	0.000200		**ND**	mg/L	1	04/09/2024 14:01	221062
Chrysene	NELAP	0.000200		**ND**	mg/L	1	04/09/2024 14:01	221062
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	04/09/2024 14:01	221062
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	04/09/2024 14:01	221062
Fluorene	NELAP	0.000200		**ND**	mg/L	1	04/09/2024 14:01	221062
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	04/09/2024 14:01	221062
Naphthalene	NELAP	0.000400		**0.000425**	mg/L	1	04/09/2024 14:01	221062
Pyrene	NELAP	0.000200		**ND**	mg/L	1	04/09/2024 14:01	221062
Surr: 2-Fluorobiphenyl	*	44.3-113		**82.5**	%REC	1	04/09/2024 14:01	221062
Surr: Nitrobenzene-d5	*	46.6-114		**79.8**	%REC	1	04/09/2024 14:01	221062
Surr: p-Terphenyl-d14	*	42.2-147		**90.5**	%REC	1	04/09/2024 14:01	221062
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**26.8**	µg/L	1	04/05/2024 16:26	220936
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	04/05/2024 16:26	220936
Naphthalene	NELAP	5.0	J	**1.1**	µg/L	1	04/05/2024 16:26	220936
Toluene	NELAP	2.0		**ND**	µg/L	1	04/05/2024 16:26	220936
Xylenes, Total	NELAP	4.0	J	**0.4**	µg/L	1	04/05/2024 16:26	220936
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.7**	%REC	1	04/05/2024 16:26	220936
Surr: 4-Bromofluorobenzene	*	80-120		**94.2**	%REC	1	04/05/2024 16:26	220936
Surr: Dibromofluoromethane	*	80-120		**96.7**	%REC	1	04/05/2024 16:26	220936
Surr: Toluene-d8	*	80-120		**98.7**	%REC	1	04/05/2024 16:26	220936

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24040614
Client Project: Ameren MGP Taylorville
Report Date: 11-Apr-24
Lab ID: 24040614-002
Client Sample ID: TB-001-WQ-20240403
Matrix: TRIP BLANK
Collection Date: 04/03/2024 15:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	04/05/2024 16:49	220936
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	04/05/2024 16:49	220936
Naphthalene	NELAP	5.0		**ND**	µg/L	1	04/05/2024 16:49	220936
Toluene	NELAP	2.0		**ND**	µg/L	1	04/05/2024 16:49	220936
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	04/05/2024 16:49	220936
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.4**	%REC	1	04/05/2024 16:49	220936
Surr: 4-Bromofluorobenzene	*	80-120		**97.1**	%REC	1	04/05/2024 16:49	220936
Surr: Dibromofluoromethane	*	80-120		**96.0**	%REC	1	04/05/2024 16:49	220936
Surr: Toluene-d8	*	80-120		**98.5**	%REC	1	04/05/2024 16:49	220936

Sample Summary

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren MGP Taylorville

Work Order: 24040614

Report Date: 11-Apr-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24040614-001	GW-22S-WG-20240403	Groundwater	2	04/03/2024 15:30
24040614-002	TB-001-WQ-20240403	Trip Blank	1	04/03/2024 15:20

Dates Report

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren MGP Taylorville

Work Order: 24040614

Report Date: 11-Apr-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
24040614-001A	GW-22S-WG-20240403	04/03/2024 15:30	04/05/2024 11:38		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/08/2024 17:07	04/09/2024 14:01
24040614-001B	GW-22S-WG-20240403	04/03/2024 15:30	04/05/2024 11:38		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/05/2024 16:26
24040614-002A	TB-001-WQ-20240403	04/03/2024 15:20	04/05/2024 11:38		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/05/2024 16:49

Client: ERM **Work Order:** 24040614

Client Project: Ameren MGP Taylorville **Report Date:** 11-Apr-24

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

Batch 221062 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221062

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						04/09/2024
Anthracene		0.000300		**ND**						04/09/2024
Benzo(a)anthracene		0.000100		**ND**						04/09/2024
Benzo(a)pyrene		0.000200		**ND**						04/09/2024
Benzo(b)fluoranthene		0.000200		**ND**						04/09/2024
Benzo(k)fluoranthene		0.000200		**ND**						04/09/2024
Chrysene		0.000200		**ND**						04/09/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						04/09/2024
Fluoranthene		0.000300		**ND**						04/09/2024
Fluorene		0.000200		**ND**						04/09/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						04/09/2024
Naphthalene		0.000400		**ND**						04/09/2024
Pyrene		0.000200		**ND**						04/09/2024
Surr: 2-Fluorobiphenyl	*			**0.000757**	0.0010		75.7	49.2	114	04/09/2024
Surr: Nitrobenzene-d5	*			**0.000778**	0.0010		77.8	49.3	116	04/09/2024
Surr: p-Terphenyl-d14	*			**0.00100**	0.0010		100.0	40	151	04/09/2024

Batch 221062 **SampType:** LCS Units **mg/L**

SampID: LCS-221062

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00161**	0.0020	0	80.4	59.6	100	04/09/2024
Anthracene		0.000300		**0.00157**	0.0020	0	78.3	55	111	04/09/2024
Benzo(a)anthracene		0.000100		**0.00199**	0.0020	0	99.7	56.6	113	04/09/2024
Benzo(a)pyrene		0.000200		**0.00173**	0.0020	0	86.7	54.8	122	04/09/2024
Benzo(b)fluoranthene		0.000200		**0.00222**	0.0020	0	111.0	50.6	130	04/09/2024
Benzo(k)fluoranthene		0.000200		**0.00165**	0.0020	0	82.7	56.3	116	04/09/2024
Chrysene		0.000200		**0.00156**	0.0020	0	78.1	55	115	04/09/2024
Dibenzo(a,h)anthracene		0.000200		**0.00170**	0.0020	0	85.0	58.6	135	04/09/2024
Fluoranthene		0.000300		**0.00172**	0.0020	0	86.2	57	115	04/09/2024
Fluorene		0.000200		**0.00168**	0.0020	0	84.1	57.2	108	04/09/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00191**	0.0020	0	95.4	62.3	128	04/09/2024
Naphthalene		0.000400		**0.00152**	0.0020	0	76.2	59.3	102	04/09/2024
Pyrene		0.000200		**0.00171**	0.0020	0	85.3	55	108	04/09/2024
Surr: 2-Fluorobiphenyl	*			**0.000786**	0.0010		78.6	50	110	04/09/2024
Surr: Nitrobenzene-d5	*			**0.000894**	0.0010		89.4	51.2	114	04/09/2024
Surr: p-Terphenyl-d14	*			**0.00108**	0.0010		108.1	39.9	143	04/09/2024

Client: ERM **Work Order:** 24040614

Client Project: Ameren MGP Taylorville **Report Date:** 11-Apr-24

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

Batch **221062** **SampType:** **LCSD** Units **mg/L** RPD Limit **34.5**

SampID: LCSD-221062

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00162**	0.0020	0	80.9	0.001608	0.68	04/09/2024
Anthracene		0.000300		**0.00158**	0.0020	0	78.8	0.001566	0.69	04/09/2024
Benzo(a)anthracene		0.000100		**0.00200**	0.0020	0	100.0	0.001993	0.37	04/09/2024
Benzo(a)pyrene		0.000200		**0.00176**	0.0020	0	87.8	0.001735	1.19	04/09/2024
Benzo(b)fluoranthene		0.000200		**0.00220**	0.0020	0	109.8	0.002219	1.02	04/09/2024
Benzo(k)fluoranthene		0.000200		**0.00163**	0.0020	0	81.7	0.001654	1.25	04/09/2024
Chrysene		0.000200		**0.00158**	0.0020	0	78.9	0.001561	1.07	04/09/2024
Dibenzo(a,h)anthracene		0.000200		**0.00169**	0.0020	0	84.7	0.001700	0.34	04/09/2024
Fluoranthene		0.000300		**0.00172**	0.0020	0	86.0	0.001724	0.30	04/09/2024
Fluorene		0.000200		**0.00170**	0.0020	0	85.2	0.001682	1.28	04/09/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00204**	0.0020	0	102.2	0.001909	6.89	04/09/2024
Naphthalene		0.000400		**0.00155**	0.0020	0	77.4	0.001523	1.61	04/09/2024
Pyrene		0.000200		**0.00170**	0.0020	0	85.1	0.001707	0.24	04/09/2024
Surr: 2-Fluorobiphenyl	*			**0.000803**	0.0010		80.3			04/09/2024
Surr: Nitrobenzene-d5	*			**0.000900**	0.0010		90.0			04/09/2024
Surr: p-Terphenyl-d14	*			**0.00103**	0.0010		103.0			04/09/2024

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

Batch **220936** **SampType:** **MBLK** Units **µg/L**

SampID: MBLK-AK240405A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						04/05/2024
Ethylbenzene	*	2.0		**ND**						04/05/2024
Naphthalene	*	5.0		**ND**						04/05/2024
Toluene	*	2.0		**ND**						04/05/2024
Xylenes, Total	*	4.0		**ND**						04/05/2024
Surr: 1,2-Dichloroethane-d4	*			**46.4**	50.00		92.7	80	120	04/05/2024
Surr: 4-Bromofluorobenzene	*			**48.0**	50.00		96.0	80	120	04/05/2024
Surr: Dibromofluoromethane	*			**48.3**	50.00		96.7	80	120	04/05/2024
Surr: Toluene-d8	*			**49.4**	50.00		98.8	80	120	04/05/2024

Quality Control Results

http://www.teklabinc.com/

Client: ERM

Work Order: 24040614

Client Project: Ameren MGP Taylorville

Report Date: 11-Apr-24

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

Batch 220936 **SampType:** LCS Units **µg/L**

SampID: LCS-AK240405A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**49.1**	50.00	0	98.2	81.6	120	04/05/2024
Ethylbenzene	*	2.0		**49.5**	50.00	0	99.0	82.4	116	04/05/2024
Naphthalene	*	5.0		**47.3**	50.00	0	94.7	71	126	04/05/2024
Toluene	*	2.0		**49.0**	50.00	0	98.1	82.3	113	04/05/2024
Xylenes, Total	*	4.0		**148**	150.0	0	98.4	82.7	116	04/05/2024
Surr: 1,2-Dichloroethane-d4	*			**46.4**	50.00		92.9	80	120	04/05/2024
Surr: 4-Bromofluorobenzene	*			**47.9**	50.00		95.9	80	120	04/05/2024
Surr: Dibromofluoromethane	*			**48.8**	50.00		97.7	80	120	04/05/2024
Surr: Toluene-d8	*			**49.3**	50.00		98.6	80	120	04/05/2024

Batch 220936 **SampType:** LCSD Units **µg/L** RPD Limit **20**

SampID: LCSD-AK240405A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**46.9**	50.00	0	93.8	49.09	4.56	04/05/2024
Ethylbenzene	*	2.0		**47.6**	50.00	0	95.2	49.49	3.91	04/05/2024
Naphthalene	*	5.0		**46.2**	50.00	0	92.4	47.33	2.37	04/05/2024
Toluene	*	2.0		**47.3**	50.00	0	94.7	49.05	3.55	04/05/2024
Xylenes, Total	*	4.0		**143**	150.0	0	95.0	147.6	3.52	04/05/2024
Surr: 1,2-Dichloroethane-d4	*			**45.9**	50.00		91.8			04/05/2024
Surr: 4-Bromofluorobenzene	*			**47.8**	50.00		95.6			04/05/2024
Surr: Dibromofluoromethane	*			**48.6**	50.00		97.3			04/05/2024
Surr: Toluene-d8	*			**49.0**	50.00		98.1			04/05/2024

Batch 220936 **SampType:** LCS Units **µg/L**

SampID: QCS-AK240405A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**49.1**	50.00	0	98.2	65	135	04/05/2024
Ethylbenzene		2.0		**49.5**	50.00	0	99.0	60	140	04/05/2024
Naphthalene		5.0		**47.3**	50.00	0	94.7	60	140	04/05/2024
Toluene		2.0		**49.0**	50.00	0	98.1	70	130	04/05/2024
Xylenes, Total		4.0		**148**	150.0	0	98.4	60	140	04/05/2024
Surr: 1,2-Dichloroethane-d4	*			**46.4**	50.00		92.9	80	120	04/05/2024
Surr: 4-Bromofluorobenzene	*			**47.9**	50.00		95.9	80	120	04/05/2024
Surr: Dibromofluoromethane	*			**48.8**	50.00		97.7	80	120	04/05/2024
Surr: Toluene-d8	*			**49.3**	50.00		98.6	80	120	04/05/2024

Client: ERM **Work Order:** 24040614

Client Project: Ameren MGP Taylorville **Report Date:** 11-Apr-24

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

Batch **220936** **SampType:** **LCSD** Units **µg/L** RPD Limit **40**

SampID: QCSD-AK240405A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**46.9**	50.00	0	93.8	49.09	4.56	04/05/2024
Ethylbenzene		2.0		**47.6**	50.00	0	95.2	49.49	3.91	04/05/2024
Naphthalene		5.0		**46.2**	50.00	0	92.4	47.33	2.37	04/05/2024
Toluene		2.0		**47.3**	50.00	0	94.7	49.05	3.55	04/05/2024
Xylenes, Total		4.0		**143**	150.0	0	95.0	147.6	3.52	04/05/2024
Surr: 1,2-Dichloroethane-d4	*			**45.9**	50.00		91.8			04/05/2024
Surr: 4-Bromofluorobenzene	*			**47.8**	50.00		95.6			04/05/2024
Surr: Dibromofluoromethane	*			**48.6**	50.00		97.3			04/05/2024
Surr: Toluene-d8	*			**49.0**	50.00		98.1			04/05/2024

Receiving Check List

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren MGP Taylorville

Work Order: 24040614

Report Date: 11-Apr-24

Carrier: Joshua Richards

Received By: WAO

Completed by: Paul Schultz
On: 05-Apr-24

Reviewed by: Ellie Hopkins
On: 05-Apr-24

Pages to follow: Chain of custody 1 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 3.1
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.

Per client request, Trip Blank collection date and time will be reported as listed on the chain of custody rather than as the received date and time (end of trip). - ehurley - 4/5/2024 6:30:54 PM

CHAIN OF CUSTODY

pg. 1 of 1 Work order # 24040614

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

Client: ERM
Address: 1968 Craig Road
City / State / Zip St. Louis, MO 63146
Contact: Michael Abegg **Phone:** (314) 551-7098
E-Mail: michael.abegg@erm.com **Fax:**

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 3-1 °C LTG# 3
Preserved in: [ ] LAB [ ] FIELD
FOR LAB USE ONLY
Lab Notes ∅ HS wm 4/5

Client Comments:

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

Project Name/Number
Ameren MGP Taylorville

Sample Collector's Name
J. Richards

Results Requested
[X] Standard [ ] 1-2 Day (100% Surcharge)
[X] Other 5-day [ ] 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: PAHs	VOCs	BTEXN	Select SVOCs
24040614-001	GW-22S-WG-20240403	4/3/24 1530	1				2									X			X	X
-002	TB-001-WQ-20240403	4/3/24 1520					2												X	

Relinquished By	Date/Time	Received By	Date/Time
Joshua Richards	4/5/24 1138	Whitney Oliver	11:38 4/5/24

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: 88259

May 07, 2024

Michael Abegg
ERM
1968 Craig Road
Suite 100
St. Louis, MO 63146
TEL: (314) 551-7098
FAX:

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

RE: Ameren MGP Taylorville Performance Monitoring **WorkOrder:** 24042265

Dear Michael Abegg:

TEKLAB, INC received 2 samples on 4/26/2024 3:16:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

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

Report Contents

http://www.teklabinc.com/

Client: ERM

Work Order: 24042265

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 07-May-24

This reporting package includes the following:

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Chain of Custody	Appended

Client: ERM **Work Order:** 24042265

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 07-May-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: 24042265

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 07-May-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: 24042265

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 07-May-24

Cooler Receipt Temp: 2.0 °C

Locations

Collinsville

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

Springfield

Address	3920 Pintail Dr Springfield, IL 62711-9415
Phone	(217) 698-1004
Fax	(217) 698-1005
Email	KKlostermann@teklabinc.com

Kansas City

Address	8421 Nieman Road Lenexa, KS 66214
Phone	(913) 541-1998
Fax	(913) 541-1998
Email	jhriley@teklabinc.com

Collinsville Air

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

Chicago

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

Accreditations

Client: ERM

Work Order: 24042265

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 07-May-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	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	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

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24042265
Client Project: Ameren MGP Taylorville Performance Monitoring
Report Date: 07-May-24
Lab ID: 24042265-001
Client Sample ID: GW-22S-WG-20240426
Matrix: GROUNDWATER
Collection Date: 04/26/2024 13:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/05/2024 17:56	222418
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/05/2024 17:56	222418
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/05/2024 17:56	222418
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 17:56	222418
Benzo(b)fluoranthene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 17:56	222418
Benzo(k)fluoranthene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 17:56	222418
Chrysene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 17:56	222418
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 17:56	222418
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/05/2024 17:56	222418
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 17:56	222418
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 17:56	222418
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/05/2024 17:56	222418
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 17:56	222418
Surr: 2-Fluorobiphenyl	*	39.6-113		**78.7**	%REC	1	05/05/2024 17:56	222418
Surr: Nitrobenzene-d5	*	41.1-114		**83.0**	%REC	1	05/05/2024 17:56	222418
Surr: p-Terphenyl-d14	*	46.8-149		**96.6**	%REC	1	05/05/2024 17:56	222418
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	04/30/2024 4:13	222237
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	04/30/2024 4:13	222237
Naphthalene	NELAP	5.0		**ND**	µg/L	1	04/30/2024 4:13	222237
Toluene	NELAP	2.0		**ND**	µg/L	1	04/30/2024 4:13	222237
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	04/30/2024 4:13	222237
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.0**	%REC	1	04/30/2024 4:13	222237
Surr: 4-Bromofluorobenzene	*	80-120		**105.3**	%REC	1	04/30/2024 4:13	222237
Surr: Dibromofluoromethane	*	80-120		**98.4**	%REC	1	04/30/2024 4:13	222237
Surr: Toluene-d8	*	80-120		**101.3**	%REC	1	04/30/2024 4:13	222237

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24042265
Client Project: Ameren MGP Taylorville Performance Monitoring
Report Date: 07-May-24
Lab ID: 24042265-002
Client Sample ID: TB-002-WQ-20240426
Matrix: TRIP BLANK
Collection Date: 04/26/2024 13:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	04/29/2024 21:51	222237
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	04/29/2024 21:51	222237
Naphthalene	NELAP	5.0		**ND**	µg/L	1	04/29/2024 21:51	222237
Toluene	NELAP	2.0		**ND**	µg/L	1	04/29/2024 21:51	222237
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	04/29/2024 21:51	222237
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.4**	%REC	1	04/29/2024 21:51	222237
Surr: 4-Bromofluorobenzene	*	80-120		**104.8**	%REC	1	04/29/2024 21:51	222237
Surr: Dibromofluoromethane	*	80-120		**98.0**	%REC	1	04/29/2024 21:51	222237
Surr: Toluene-d8	*	80-120		**100.7**	%REC	1	04/29/2024 21:51	222237

Sample Summary

http://www.teklabinc.com/

Client: ERM

Work Order: 24042265

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 07-May-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24042265-001	GW-22S-WG-20240426	Groundwater	2	04/26/2024 13:20
24042265-002	TB-002-WQ-20240426	Trip Blank	1	04/26/2024 13:10

Dates Report

http://www.teklabinc.com/

Client: ERM

Work Order: 24042265

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 07-May-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
24042265-001A	GW-22S-WG-20240426	04/26/2024 13:20	04/26/2024 15:16		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2024 17:01	05/05/2024 17:56
24042265-001B	GW-22S-WG-20240426	04/26/2024 13:20	04/26/2024 15:16		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/30/2024 4:13
24042265-002A	TB-002-WQ-20240426	04/26/2024 13:10	04/26/2024 15:16		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2024 21:51

Client: ERM **Work Order:** 24042265

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 07-May-24

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

Batch 222418 **SampType:** MBLK Units **mg/L**

SampID: MBLK-222418

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						05/05/2024
Anthracene		0.000300		**ND**						05/05/2024
Benzo(a)anthracene		0.000100		**ND**						05/05/2024
Benzo(a)pyrene		0.000200		**ND**						05/05/2024
Benzo(b)fluoranthene		0.000200		**ND**						05/05/2024
Benzo(k)fluoranthene		0.000200		**ND**						05/05/2024
Chrysene		0.000200		**ND**						05/05/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						05/05/2024
Fluoranthene		0.000300		**ND**						05/05/2024
Fluorene		0.000200		**ND**						05/05/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						05/05/2024
Naphthalene		0.000400		**ND**						05/05/2024
Pyrene		0.000200		**ND**						05/05/2024
Surr: 2-Fluorobiphenyl	*			**0.000801**	0.0010		80.1	41.4	114	05/05/2024
Surr: Nitrobenzene-d5	*			**0.000822**	0.0010		82.2	39.7	126	05/05/2024
Surr: p-Terphenyl-d14	*			**0.00108**	0.0010		108.0	52.2	143	05/05/2024

Batch 222418 **SampType:** LCS Units **mg/L**

SampID: LCS-222418

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00172**	0.0020	0	86.1	59.6	100	05/05/2024
Anthracene		0.000300		**0.00191**	0.0020	0	95.3	55	111	05/05/2024
Benzo(a)anthracene		0.000100		**0.00203**	0.0020	0	101.7	56.6	113	05/05/2024
Benzo(a)pyrene		0.000200		**0.00195**	0.0020	0	97.6	54.8	122	05/05/2024
Benzo(b)fluoranthene		0.000200		**0.00217**	0.0020	0	108.7	50.6	130	05/05/2024
Benzo(k)fluoranthene		0.000200		**0.00193**	0.0020	0	96.4	56.3	116	05/05/2024
Chrysene		0.000200		**0.00179**	0.0020	0	89.3	55	115	05/05/2024
Dibenzo(a,h)anthracene		0.000200		**0.00206**	0.0020	0	103.2	58.6	135	05/05/2024
Fluoranthene		0.000300		**0.00200**	0.0020	0	99.8	57	115	05/05/2024
Fluorene		0.000200		**0.00181**	0.0020	0	90.6	57.2	108	05/05/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00197**	0.0020	0	98.7	62.3	128	05/05/2024
Naphthalene		0.000400		**0.00166**	0.0020	0	82.9	59.3	102	05/05/2024
Pyrene		0.000200		**0.00198**	0.0020	0	98.9	55	108	05/05/2024
Surr: 2-Fluorobiphenyl	*			**0.000936**	0.0010		93.6	41.4	114	05/05/2024
Surr: Nitrobenzene-d5	*			**0.000971**	0.0010		97.1	39.7	126	05/05/2024
Surr: p-Terphenyl-d14	*			**0.00116**	0.0010		115.8	52.2	143	05/05/2024

Client: ERM **Work Order:** 24042265

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 07-May-24

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

Batch **222418** **SampType:** **LCSD** Units **mg/L** RPD Limit **34.5**

SampID: LCSD-222418

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00177**	0.0020	0	88.7	0.001721	3.02	05/05/2024
Anthracene		0.000300		**0.00183**	0.0020	0	91.4	0.001906	4.23	05/05/2024
Benzo(a)anthracene		0.000100		**0.00205**	0.0020	0	102.7	0.002034	0.99	05/05/2024
Benzo(a)pyrene		0.000200		**0.00187**	0.0020	0	93.7	0.001952	4.06	05/05/2024
Benzo(b)fluoranthene		0.000200		**0.00219**	0.0020	0	109.4	0.002175	0.63	05/05/2024
Benzo(k)fluoranthene		0.000200		**0.00192**	0.0020	0	95.8	0.001927	0.60	05/05/2024
Chrysene		0.000200		**0.00181**	0.0020	0	90.3	0.001785	1.17	05/05/2024
Dibenzo(a,h)anthracene		0.000200		**0.00206**	0.0020	0	103.0	0.002065	0.22	05/05/2024
Fluoranthene		0.000300		**0.00194**	0.0020	0	97.2	0.001996	2.61	05/05/2024
Fluorene		0.000200		**0.00180**	0.0020	0	89.9	0.001812	0.73	05/05/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00198**	0.0020	0	99.1	0.001974	0.43	05/05/2024
Naphthalene		0.000400		**0.00172**	0.0020	0	85.8	0.001658	3.39	05/05/2024
Pyrene		0.000200		**0.00193**	0.0020	0	96.7	0.001978	2.25	05/05/2024
Surr: 2-Fluorobiphenyl	*			**0.000905**	0.0010		90.5			05/05/2024
Surr: Nitrobenzene-d5	*			**0.00104**	0.0010		103.7			05/05/2024
Surr: p-Terphenyl-d14	*			**0.00109**	0.0010		108.7			05/05/2024

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

Batch **222237** **SampType:** **MBLK** Units **µg/L**

SampID: MBLK-AK240429A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						04/29/2024
Ethylbenzene	*	2.0		**ND**						04/29/2024
Naphthalene	*	5.0		**ND**						04/29/2024
Toluene	*	2.0		**ND**						04/29/2024
Xylenes, Total	*	4.0		**ND**						04/29/2024
Surr: 1,2-Dichloroethane-d4	*			**51.2**	50.00		102.4	80	120	04/29/2024
Surr: 4-Bromofluorobenzene	*			**51.7**	50.00		103.4	80	120	04/29/2024
Surr: Dibromofluoromethane	*			**49.0**	50.00		98.0	80	120	04/29/2024
Surr: Toluene-d8	*			**50.3**	50.00		100.6	80	120	04/29/2024

Client: ERM **Work Order:** 24042265

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 07-May-24

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

Batch 222237 **SampType:** LCS Units **µg/L**

SampID: LCS-AK240429A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**47.0**	50.00	0	94.0	81.6	120	04/29/2024
Ethylbenzene	*	2.0		**49.4**	50.00	0	98.7	82.4	116	04/29/2024
Naphthalene	*	5.0		**46.6**	50.00	0	93.1	71	126	04/29/2024
Toluene	*	2.0		**49.0**	50.00	0	98.0	82.3	113	04/29/2024
Xylenes, Total	*	4.0		**147**	150.0	0	98.2	82.7	116	04/29/2024
Surr: 1,2-Dichloroethane-d4	*			**50.6**	50.00		101.3	80	120	04/29/2024
Surr: 4-Bromofluorobenzene	*			**51.4**	50.00		102.7	80	120	04/29/2024
Surr: Dibromofluoromethane	*			**49.3**	50.00		98.5	80	120	04/29/2024
Surr: Toluene-d8	*			**50.0**	50.00		100.0	80	120	04/29/2024

Batch 222237 **SampType:** LCSD Units **µg/L** RPD Limit **20**

SampID: LCSD-AK240429A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**45.8**	50.00	0	91.7	47.00	2.50	04/29/2024
Ethylbenzene	*	2.0		**48.0**	50.00	0	96.0	49.37	2.83	04/29/2024
Naphthalene	*	5.0		**45.0**	50.00	0	90.0	46.55	3.41	04/29/2024
Toluene	*	2.0		**47.5**	50.00	0	95.1	49.00	3.05	04/29/2024
Xylenes, Total	*	4.0		**144**	150.0	0	95.8	147.4	2.49	04/29/2024
Surr: 1,2-Dichloroethane-d4	*			**50.4**	50.00		100.8			04/29/2024
Surr: 4-Bromofluorobenzene	*			**51.4**	50.00		102.8			04/29/2024
Surr: Dibromofluoromethane	*			**49.7**	50.00		99.3			04/29/2024
Surr: Toluene-d8	*			**50.1**	50.00		100.1			04/29/2024

Receiving Check List

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren MGP Taylorville Performance Monitoring

Work Order: 24042265

Report Date: 07-May-24

Carrier: Caleb Lowell

Received By: HAW

Completed by: Mary E. Kemp
On: 26-Apr-24
Mary E Kemp

Reviewed by: Ellie Hopkins
On: 26-Apr-24
Ellie Hopkins

Pages to follow: Chain of custody 1 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 2.0
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.

Per client request, Trip Blank collection date and time will be reported as listed on the chain of custody rather than as the received date and time (end of trip). - ehurley - 4/29/2024 8:39:17 AM

CHAIN OF CUSTODY

pg. 1 of 1 Work order # 24042265

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

Client: ERM
Address: 1968 Craig Road
City / State / Zip: St. Louis, MO 63146
Contact: Michael Abegg Phone: (314) 551-7098
E-Mail: michael.abegg@erm.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 2.0 °C LTG# 3
Preserved in: [ ] LAB [ ] FIELD
FOR LAB USE ONLY
Lab Notes NDHS WD 4/26/24

Client Comments:

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

Project Name/Number: Ameren MGP Taylorville Performance Monitoring
Sample Collector's Name: Caleb Lowell
Results Requested: [X] Standard [ ] 1-2 Day (100% Surcharge) [ ] Other ____ [ ] 3 Day (50% Surcharge)
Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	BTEXN	Select SVOCs
24042265001	GW-225-WG-20240426	4-26-2024; 1320	1				2									X	X	X
↓ 002	TB-002-WQ-20240426	4-26-2024; 1310					2				X						X	X

Relinquished By	Date/Time	Received By	Date/Time
Caleb Lowell	4-26-24 / 1516	[illegible]	4/26/24 1516
		[illegible] TEKLAB	

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: 89032

WD

May 07, 2024

Michael Abegg
ERM
1968 Craig Road
Suite 100
St. Louis, MO 63146
TEL: (314) 551-7098
FAX:

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

RE: Ameren MGP Taylorville Performance Monitoring **WorkOrder:** 24042266

Dear Michael Abegg:

TEKLAB, INC received 2 samples on 4/26/2024 3:16:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

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

Report Contents

http://www.teklabinc.com/

Client: ERM

Work Order: 24042266

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 07-May-24

This reporting package includes the following:

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Chain of Custody	Appended

Client: ERM **Work Order:** 24042266

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 07-May-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: 24042266

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 07-May-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		

Client: ERM

Work Order: 24042266

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 07-May-24

Cooler Receipt Temp: 2.0 °C

Locations

Collinsville

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

Springfield

Address	3920 Pintail Dr Springfield, IL 62711-9415
Phone	(217) 698-1004
Fax	(217) 698-1005
Email	KKlostermann@teklabinc.com

Kansas City

Address	8421 Nieman Road Lenexa, KS 66214
Phone	(913) 541-1998
Fax	(913) 541-1998
Email	jhriley@teklabinc.com

Collinsville Air

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

Chicago

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

Accreditations

Client: ERM

Work Order: 24042266

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 07-May-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	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	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

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24042266
Client Project: Ameren MGP Taylorville Performance Monitoring
Report Date: 07-May-24
Lab ID: 24042266-001
Client Sample ID: GW-4R-WG-20240426
Matrix: GROUNDWATER
Collection Date: 04/26/2024 12:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/05/2024 18:35	222418
Anthracene	NELAP	0.000300		**0.000659**	mg/L	1	05/05/2024 18:35	222418
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/05/2024 18:35	222418
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 18:35	222418
Benzo(b)fluoranthene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 18:35	222418
Benzo(k)fluoranthene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 18:35	222418
Chrysene	NELAP	0.00020	J	**0.00014**	mg/L	1	05/05/2024 18:35	222418
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 18:35	222418
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/05/2024 18:35	222418
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 18:35	222418
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/05/2024 18:35	222418
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/05/2024 18:35	222418
Pyrene	NELAP	0.000200		**0.00195**	mg/L	1	05/05/2024 18:35	222418
Surr: 2-Fluorobiphenyl	*	39.6-113		**91.2**	%REC	1	05/05/2024 18:35	222418
Surr: Nitrobenzene-d5	*	41.1-114		**99.0**	%REC	1	05/05/2024 18:35	222418
Surr: p-Terphenyl-d14	*	46.8-149		**102.0**	%REC	1	05/05/2024 18:35	222418
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**1290**	µg/L	10	04/30/2024 4:36	222237
Ethylbenzene	NELAP	20.0		**263**	µg/L	10	04/30/2024 4:36	222237
Naphthalene	NELAP	50.0		**1980**	µg/L	10	04/30/2024 4:36	222237
Toluene	NELAP	20.0		**230**	µg/L	10	04/30/2024 4:36	222237
Xylenes, Total	NELAP	40.0		**321**	µg/L	10	04/30/2024 4:36	222237
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.5**	%REC	10	04/30/2024 4:36	222237
Surr: 4-Bromofluorobenzene	*	80-120		**103.1**	%REC	10	04/30/2024 4:36	222237
Surr: Dibromofluoromethane	*	80-120		**96.1**	%REC	10	04/30/2024 4:36	222237
Surr: Toluene-d8	*	80-120		**101.1**	%REC	10	04/30/2024 4:36	222237

Laboratory Results

http://www.teklabinc.com/

Client: ERM
Work Order: 24042266
Client Project: Ameren MGP Taylorville Performance Monitoring
Report Date: 07-May-24
Lab ID: 24042266-002
Client Sample ID: TB-001-WQ-20240426
Matrix: TRIP BLANK
Collection Date: 04/26/2024 12:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	04/29/2024 22:15	222237
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	04/29/2024 22:15	222237
Naphthalene	NELAP	5.0		**ND**	µg/L	1	04/29/2024 22:15	222237
Toluene	NELAP	2.0		**ND**	µg/L	1	04/29/2024 22:15	222237
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	04/29/2024 22:15	222237
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.9**	%REC	1	04/29/2024 22:15	222237
Surr: 4-Bromofluorobenzene	*	80-120		**101.8**	%REC	1	04/29/2024 22:15	222237
Surr: Dibromofluoromethane	*	80-120		**98.0**	%REC	1	04/29/2024 22:15	222237
Surr: Toluene-d8	*	80-120		**100.1**	%REC	1	04/29/2024 22:15	222237

Sample Summary

http://www.teklabinc.com/

Client: ERM

Work Order: 24042266

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 07-May-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24042266-001	GW-4R-WG-20240426	Groundwater	2	04/26/2024 12:40
24042266-002	TB-001-WQ-20240426	Trip Blank	1	04/26/2024 12:35

Dates Report

http://www.teklabinc.com/

Client: ERM

Work Order: 24042266

Client Project: Ameren MGP Taylorville Performance Monitoring

Report Date: 07-May-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
24042266-001A	GW-4R-WG-20240426	04/26/2024 12:40	04/26/2024 15:16		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2024 17:01	05/05/2024 18:35
24042266-001B	GW-4R-WG-20240426	04/26/2024 12:40	04/26/2024 15:16		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/30/2024 4:36
24042266-002A	TB-001-WQ-20240426	04/26/2024 12:35	04/26/2024 15:16		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2024 22:15

Quality Control Results

http://www.teklabinc.com/

Client: ERM **Work Order:** 24042266

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 07-May-24

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

Batch 222418 **SampType:** MBLK Units **mg/L**

SampID: MBLK-222418

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						05/05/2024
Anthracene		0.000300		**ND**						05/05/2024
Benzo(a)anthracene		0.000100		**ND**						05/05/2024
Benzo(a)pyrene		0.000200		**ND**						05/05/2024
Benzo(b)fluoranthene		0.000200		**ND**						05/05/2024
Benzo(k)fluoranthene		0.000200		**ND**						05/05/2024
Chrysene		0.000200		**ND**						05/05/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						05/05/2024
Fluoranthene		0.000300		**ND**						05/05/2024
Fluorene		0.000200		**ND**						05/05/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						05/05/2024
Naphthalene		0.000400		**ND**						05/05/2024
Pyrene		0.000200		**ND**						05/05/2024
Surr: 2-Fluorobiphenyl	*			**0.000801**	0.0010		80.1	41.4	114	05/05/2024
Surr: Nitrobenzene-d5	*			**0.000822**	0.0010		82.2	39.7	126	05/05/2024
Surr: p-Terphenyl-d14	*			**0.00108**	0.0010		108.0	52.2	143	05/05/2024

Batch 222418 **SampType:** LCS Units **mg/L**

SampID: LCS-222418

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00172**	0.0020	0	86.1	59.6	100	05/05/2024
Anthracene		0.000300		**0.00191**	0.0020	0	95.3	55	111	05/05/2024
Benzo(a)anthracene		0.000100		**0.00203**	0.0020	0	101.7	56.6	113	05/05/2024
Benzo(a)pyrene		0.000200		**0.00195**	0.0020	0	97.6	54.8	122	05/05/2024
Benzo(b)fluoranthene		0.000200		**0.00217**	0.0020	0	108.7	50.6	130	05/05/2024
Benzo(k)fluoranthene		0.000200		**0.00193**	0.0020	0	96.4	56.3	116	05/05/2024
Chrysene		0.000200		**0.00179**	0.0020	0	89.3	55	115	05/05/2024
Dibenzo(a,h)anthracene		0.000200		**0.00206**	0.0020	0	103.2	58.6	135	05/05/2024
Fluoranthene		0.000300		**0.00200**	0.0020	0	99.8	57	115	05/05/2024
Fluorene		0.000200		**0.00181**	0.0020	0	90.6	57.2	108	05/05/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00197**	0.0020	0	98.7	62.3	128	05/05/2024
Naphthalene		0.000400		**0.00166**	0.0020	0	82.9	59.3	102	05/05/2024
Pyrene		0.000200		**0.00198**	0.0020	0	98.9	55	108	05/05/2024
Surr: 2-Fluorobiphenyl	*			**0.000936**	0.0010		93.6	41.4	114	05/05/2024
Surr: Nitrobenzene-d5	*			**0.000971**	0.0010		97.1	39.7	126	05/05/2024
Surr: p-Terphenyl-d14	*			**0.00116**	0.0010		115.8	52.2	143	05/05/2024

Client: ERM **Work Order:** 24042266

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 07-May-24

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

Batch **222418** **SampType:** **LCSD** Units **mg/L** RPD Limit **34.5**

SampID: LCSD-222418

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00177**	0.0020	0	88.7	0.001721	3.02	05/05/2024
Anthracene		0.000300		**0.00183**	0.0020	0	91.4	0.001906	4.23	05/05/2024
Benzo(a)anthracene		0.000100		**0.00205**	0.0020	0	102.7	0.002034	0.99	05/05/2024
Benzo(a)pyrene		0.000200		**0.00187**	0.0020	0	93.7	0.001952	4.06	05/05/2024
Benzo(b)fluoranthene		0.000200		**0.00219**	0.0020	0	109.4	0.002175	0.63	05/05/2024
Benzo(k)fluoranthene		0.000200		**0.00192**	0.0020	0	95.8	0.001927	0.60	05/05/2024
Chrysene		0.000200		**0.00181**	0.0020	0	90.3	0.001785	1.17	05/05/2024
Dibenzo(a,h)anthracene		0.000200		**0.00206**	0.0020	0	103.0	0.002065	0.22	05/05/2024
Fluoranthene		0.000300		**0.00194**	0.0020	0	97.2	0.001996	2.61	05/05/2024
Fluorene		0.000200		**0.00180**	0.0020	0	89.9	0.001812	0.73	05/05/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00198**	0.0020	0	99.1	0.001974	0.43	05/05/2024
Naphthalene		0.000400		**0.00172**	0.0020	0	85.8	0.001658	3.39	05/05/2024
Pyrene		0.000200		**0.00193**	0.0020	0	96.7	0.001978	2.25	05/05/2024
Surr: 2-Fluorobiphenyl	*			**0.000905**	0.0010		90.5			05/05/2024
Surr: Nitrobenzene-d5	*			**0.00104**	0.0010		103.7			05/05/2024
Surr: p-Terphenyl-d14	*			**0.00109**	0.0010		108.7			05/05/2024

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

Batch **222237** **SampType:** **MBLK** Units **µg/L**

SampID: MBLK-AK240429A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						04/29/2024
Ethylbenzene	*	2.0		**ND**						04/29/2024
Naphthalene	*	5.0		**ND**						04/29/2024
Toluene	*	2.0		**ND**						04/29/2024
Xylenes, Total	*	4.0		**ND**						04/29/2024
Surr: 1,2-Dichloroethane-d4	*			**51.2**	50.00		102.4	80	120	04/29/2024
Surr: 4-Bromofluorobenzene	*			**51.7**	50.00		103.4	80	120	04/29/2024
Surr: Dibromofluoromethane	*			**49.0**	50.00		98.0	80	120	04/29/2024
Surr: Toluene-d8	*			**50.3**	50.00		100.6	80	120	04/29/2024

Client: ERM **Work Order:** 24042266

Client Project: Ameren MGP Taylorville Performance Monitoring **Report Date:** 07-May-24

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

Batch 222237 **SampType:** LCS Units **µg/L**

SampID: LCS-AK240429A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**47.0**	50.00	0	94.0	81.6	120	04/29/2024
Ethylbenzene	*	2.0		**49.4**	50.00	0	98.7	82.4	116	04/29/2024
Naphthalene	*	5.0		**46.6**	50.00	0	93.1	71	126	04/29/2024
Toluene	*	2.0		**49.0**	50.00	0	98.0	82.3	113	04/29/2024
Xylenes, Total	*	4.0		**147**	150.0	0	98.2	82.7	116	04/29/2024
Surr: 1,2-Dichloroethane-d4	*			**50.6**	50.00		101.3	80	120	04/29/2024
Surr: 4-Bromofluorobenzene	*			**51.4**	50.00		102.7	80	120	04/29/2024
Surr: Dibromofluoromethane	*			**49.3**	50.00		98.5	80	120	04/29/2024
Surr: Toluene-d8	*			**50.0**	50.00		100.0	80	120	04/29/2024

Batch 222237 **SampType:** LCSD Units **µg/L** RPD Limit **20**

SampID: LCSD-AK240429A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**45.8**	50.00	0	91.7	47.00	2.50	04/29/2024
Ethylbenzene	*	2.0		**48.0**	50.00	0	96.0	49.37	2.83	04/29/2024
Naphthalene	*	5.0		**45.0**	50.00	0	90.0	46.55	3.41	04/29/2024
Toluene	*	2.0		**47.5**	50.00	0	95.1	49.00	3.05	04/29/2024
Xylenes, Total	*	4.0		**144**	150.0	0	95.8	147.4	2.49	04/29/2024
Surr: 1,2-Dichloroethane-d4	*			**50.4**	50.00		100.8			04/29/2024
Surr: 4-Bromofluorobenzene	*			**51.4**	50.00		102.8			04/29/2024
Surr: Dibromofluoromethane	*			**49.7**	50.00		99.3			04/29/2024
Surr: Toluene-d8	*			**50.1**	50.00		100.1			04/29/2024

Receiving Check List

http://www.teklabinc.com/

Client: ERM

Client Project: Ameren MGP Taylorville Performance Monitoring

Work Order: 24042266

Report Date: 07-May-24

Carrier: Caleb Lowell

Received By: HAW

Completed by: Mary E. Kemp
On: 26-Apr-24
Mary E Kemp

Reviewed by: Ellie Hopkins
On: 26-Apr-24
Ellie Hopkins

Pages to follow: Chain of custody 1 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 2.0
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.

Per client request, Trip Blank collection date and time will be reported as listed on the chain of custody rather than the received date and time (end of trip). - ehurley - 4/29/2024 8:38:58 AM

CHAIN OF CUSTODY

pg. 1 of 1 Work order # 24042266

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

Client: ERM
Address: 1968 Craig Road
City / State / Zip: St. Louis, MO 63146
Contact: Michael Abegg Phone: (314) 551-7098
E-Mail: michael.abegg@erm.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 20 °C LTG# 3
Preserved in: [ ] LAB [ ] FIELD
FOR LAB USE ONLY
Lab Notes ND HS WO 4/26/24

Client Comments:

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

Project Name/Number: Ameren MGP Taylorville Performance Monitoring
Sample Collector's Name: Joshua Richards
Results Requested: [X] Standard [ ] 1-2 Day (100% Surcharge) [ ] Other ____ [ ] 3 Day (50% Surcharge)
Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	BTEXN	Select SVOCs
24042266-01	GW-4R-WG-20240426	4/26/24 / 1240					2									X	X	X
002	TB-001-WQ-20240426	4/26/24 / 1235					2				X						X	X

Relinquished By	Date/Time	Received By	Date/Time
Joshua Richards	4/26/24 / 1300	[signature]	4/26/24 1516
Caleb Russell	4/26/24 / 1516		

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: 89032

WO