October 25, 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 Third 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.

Third Quarter 2024 – Events

- Third quarter 2024 groundwater samples collected in August 2024 (results attached).
- Third quarter 2024 pump and treat system samples (results attached).
- Maintenance of the groundwater treatment system and associated building was performed this quarter. Notably:
    - From July 8-18, 2024, the groundwater treatment system was shut down to allow for cleaning of the West Recovery Well and replacement of the well pump. The system was restarted on July 19, 2024.
    - From August 11-22, 2024, the groundwater treatment system was shut down to allow for filter vessel repairs and installation of a new PLC panel. The system was restarted on August 22, 2024.

Fourth Quarter 2024 – Plans

- Collect Fourth quarter groundwater samples in November.

Problems Encountered or Anticipated Problems

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

We have treated 1,371,081,894 gallons of groundwater through the system since startup until the end of September 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 (July - September)

Monitoring Well Location Map

Year 2024 Quarter 3 Groundwater Sampling Results

MGP Pump & Treat System Summary
Taylorville, Illinois
July 2024

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Jul-24					
1	824,575	44,314	West	NM (1)	48
2	868,889	35,813	West	NM (1)	48
3	904,702	41,159	West	NM (1)	48
4	945,861	49,058	West	NM (1)	50
5	994,919	52,988	West	NM (1)	50
6	1,047,907	37,990	West	NM (1)	50
7	1,085,897	43,255	West	NM (1)	50
8	1,129,152	155	West	NM (1)	50
9	1,129,307	0	West	NM (1)	NM (2)
10	1,129,307	12,752	West	NM (1)	NM (2)
11	1,142,059	0	West	NM (1)	NM (2)
12	1,142,059	0	West	NM (1)	NM (2)
13	1,142,059	0	West	NM (1)	NM (2)
14	1,142,059	0	West	NM (1)	NM (2)
15	1,142,059	0	West	NM (1)	NM (2)
16	1,142,059	19,570	West	NM (1)	NM (2)
17	1,161,629	0	West	NM (1)	NM (2)
18	1,161,629	487	West	NM (1)	NM (2)
19	1,162,116	10,664	West	NM (1)	32
20	1,172,780	73,066	West	NM (1)	44
21	1,245,846	77,366	West	NM (1)	44
22	1,323,212	49,694	West	NM (1)	46
23	1,372,906	102,313	West	NM (1)	41
24	1,475,219	54,354	West	NM (1)	42
25	1,529,573	78,519	West	NM (1)	42
26	1,608,092	103,853	West	NM (1)	43
27	1,711,945	91,490	West	NM (1)	43
28	1,803,435	89,693	West	NM (1)	43
29	1,893,128	80,285	West	NM (1)	44
30	1,973,413	61,562	West	NM (1)	45
31	2,034,975	36,860	West	NM (1)	43
Aug-24	2,071,835		West	NM (1)	45

NM = Not measured
(1) Not measured - RW abandoned
(2) Not measured - System shut down for well cleaning and pump replacement

Flow Data	**Gallons**
For Month	1,247,260
To Pond	1,247,260
Below Pond	0
Average	40,234
Maximum	103,853
Minimum	0
Total Through June	1,367,350,244
Total Through July	1,368,597,504

Maintenance Summary

Well Cleaning	7/8/2024 - 7/18/2024	
Vessel	**North**	**South**
Carbon Change	None	7/19/2024
Cleaned Effluent Backwash Storage	None	None
Back Washed Vessels	None	7/17/2024, 7/19/2024

Changed Bag Filters	**North**	**Middle**	**South**
	Inoperable	7/3/2024	7/3/2024
	Inoperable	7/12/2024	7/12/2024
	Inoperable	7/23/2024	7/23/2024
	Inoperable	7/25/2024	7/25/2024

Drum Disposal No

Notes:
Well cleaning on West RW 7/8/2024-7/18/2024. System shut down; processed development water through system
New RW well pump and riser installed
System restarted on 7/19/2024
Basket on North Filter Vessel dropped out, evaluated for welding repairs.

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
July 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	7/2/2024		7/10/2024	7/17/2024	7/24/2024		7/31/2024		Average	Maximum	
Lab pH		-	-	-	6.86	H	NS	NS	7.08	H	7.06	H	7.00	7.08	H
Iron, Dissolved	mg/L	-	-	-	ND		NS	NS	0.912		0.877		0.895	0.912	
Iron, Total	mg/L	-	-	-	1.18		NS	NS	2.11		1.37		1.55	2.11	
Acenaphthene	mg/L	-	-	0.42	0.0145		NS	NS	0.0118		0.0089		0.0117	0.0145	
Acenaphthylene	mg/L	-	-	-	0.00163		NS	NS	0.00467		0.00264		0.00298	0.00467	
Anthracene	mg/L	-	-	2.1	0.00664		NS	NS	0.00419		0.000454		0.00376	0.00664	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000368**		NS	NS	**0.000487**		**0.000181**		**0.000345**	**0.000487**	
Benzo(a)pyrene	mg/L	-	-	0.00023	0.00013	J	NS	NS	0.00015	J	ND		0.00014	0.00015	J
Benzo(b)fluoranthene	mg/L	-	-	-	0.00014	J	NS	NS	0.00016	J	ND		0.00015	0.00016	J
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	0.000362		NS	NS	0.000483		0.00017	J	0.000338	0.000483	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00445		NS	NS	0.00400		0.00266		0.00370	0.00445	
Fluorene	mg/L	-	-	-	0.01000		NS	NS	0.00590		0.000807		0.00557	0.01000	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	ND		NS	NS	ND		ND		ND	ND	
o-Cresol	mg/L	-	-	0.35	0.0031	J	NS	NS	0.0021	J	0.0044	J	0.0032	0.0044	J
Phenanthrene	mg/L	-	-	-	0.0153		NS	NS	0.0186		ND		0.0170	0.0186	
Pyrene	mg/L	-	-	-	0.00464		NS	NS	0.00587		0.00333		0.00461	0.00587	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0581		NS	NS	0.0562		0.0191		0.0445	0.0581	
Benzene	µg/L	-	-	5	**101**		NS	NS	**82.2**		**65.8**		**83.0**	**101**	
Ethylbenzene	µg/L	-	-	700	19		NS	NS	25.8		20.3		21.7	25.8	
m,p-Xylenes	µg/L	-	-	-	34.7		NS	NS	18.3		17.6		23.5	34.7	
Naphthalene	µg/L	-	-	25	**116**		NS	NS	**168**		**128**		**137**	**168**	
o-Xylene	µg/L	-	-	-	19.6		NS	NS	10.1		10.0		13.2	19.6	
Toluene	µg/L	-	-	1000	45.6		NS	NS	62.2		46.0		51.3	62.2	
Xylenes, Total	µg/L	-	-	10000	54.3		NS	NS	28.5		27.5		36.8	54.3	

ND=Not detected above the project acceptable detection limit
J = Estimated concentration
BOLD text indicates exceedance of the groundwater quality standard
H = Holding times exceeded
NS= No sample collected

Between Columns
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
July 2023

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	7/2/2024		7/10/2024	7/17/2024	7/24/2024		7/31/2024		Average	Maximum	
Lab pH		-	-	-	6.87	H	NS	NS	7.02	H	7.06	H	6.98	7.06	H
Iron, Dissolved	mg/L	-	-	-	0.024	J	NS	NS	0.212		0.0824		0.106	0.212	
Iron, Total	mg/L	-	-	-	0.022	J	NS	NS	0.248		0.126		0.132	0.248	
Acenaphthene	mg/L	-	-	-	0.000093	J	NS	NS	ND		ND		0.000093	0.000093	J
Acenaphthylene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Anthracene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
o-Cresol	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Phenanthrene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Benzene	µg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Ethylbenzene	µg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Naphthalene	µg/L	-	-	-	ND		NS	NS	1.0		1.0		1.0	1.0	
o-Xylene	µg/L	-	-	-	ND		NS	NS	ND		ND		ND	0	
Toluene	µg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Xylenes, Total	µg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	

ND=Not detected above the project acceptable detection limit
J=Analyte detected below quantitation limits
H = Holding times exceeded
NS= No sample collected

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
July 2023

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	7/2/2024		7/10/2024	7/17/2024	7/24/2024		7/31/2024		Average	Maximum	
Lab pH		-	-	-	6.91	H	NS	NS	6.92	H	7.07	H	6.97	7.07	H
Iron, Dissolved	mg/L	-	1	-	ND		NS	NS	ND		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND		NS	NS	ND		0.023	J	0.023	0.023	J
Acenaphthene	mg/L	-	0.0608	-	ND		NS	NS	ND		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Anthracene	mg/L	-	0.0023	-	ND		NS	NS	ND		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	0.001	-	ND	S	NS	NS	ND		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		NS	NS	ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Fluoranthene	mg/L	0.053	0.398	-	ND		NS	NS	ND		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		NS	NS	ND		ND		ND	ND	
o-Cresol	mg/L	-	1.9	-	ND		NS	NS	ND		ND		ND	ND	
Phenanthrene	mg/L	-	0.01	-	ND		NS	NS	ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Benzene	µg/L	-	50	-	ND		NS	NS	ND		ND		ND	0.0	
Ethylbenzene	µg/L	17	216	-	ND		NS	NS	ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Naphthalene	µg/L	-	670	-	ND		NS	NS	ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		NS	NS	ND		ND		ND	ND	
Toluene	µg/L	70	750	-	ND		NS	NS	ND		ND		ND	ND	
Xylenes, Total	µg/L	117	750	-	ND		NS	NS	ND		ND		ND	ND	

ND=Not detected above the project acceptable detection limit
J=Analyte detected below quantitation limits
S=Spike recovery outside recovery limits
H = Holding times exceeded
NS= No sample collected

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	7/2/2024	7/10/2024	7/17/2024	7/24/2024	7/31/2024	Average	Maximum
Benzene	µg/L	-	-	-	ND	NS	NS	ND	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	NS	NS	ND	ND	ND	ND
m,p-Xylenes	µg/L	-	-	-	ND	NS	NS	ND	ND	ND	ND
Naphthalene	µg/L	-	-	-	ND	NS	NS	ND	ND	ND	ND
o-Xylene	µg/L	-	-	-	ND	NS	NS	ND	ND	ND	ND
Toluene	µg/L	-	-	-	ND	NS	NS	ND	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	NS	NS	ND	ND	ND	ND

ND=Not detected above the project acceptable detection limit
NS= No sample collected

MGP Pump & Treat System Summary
Taylorville, Illinois
August 2024

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water West
Aug-24					
1	2,071,835	82,427	West	NM (1)	45
2	2,154,262	54,025	West	NM (1)	45
3	2,208,287	69,978	West	NM (1)	46
4	2,278,265	62,310	West	NM (1)	44
5	2,340,575	63,746	West	NM (1)	41
6	2,404,321	64,445	West	NM (1)	45
7	2,468,766	50,226	West	NM (1)	46
8	2,518,992	68,135	West	NM (1)	46
9	2,587,127	57,147	West	NM (1)	46
10	2,644,274	43,551	West	NM (1)	46
11	2,687,825	172	West	NM (1)	46
12	2,687,997	0	West	NM (2)	46
13	2,687,997	0	West	NM (2)	45
14	2,687,997	0	West	NM (2)	42
15	2,687,997	0	West	NM (2)	45
16	2,687,997	0	West	NM (2)	44
17	2,687,997	0	West	NM (2)	34
18	2,687,997	0	West	NM (2)	38
19	2,687,997	0	West	NM (2)	38
20	2,687,997	0	West	NM (2)	44
21	2,687,997	0	West	NM (2)	44
22	2,687,997	12,311	West	NM (1)	44
23	2,700,308	50,965	West	NM (1)	41
24	2,751,273	56,962	West	NM (1)	46
25	2,808,235	72,610	West	NM (1)	45
26	2,880,845	45,409	West	NM (1)	45
27	2,926,254	59,980	West	NM (1)	45
28	2,986,234	29,499	West	NM (1)	43
29	3,015,733	58,767	West	NM (1)	43
30	3,074,500	44,713	West	NM (1)	42
31	3,119,213	48,077	West	NM (1)	42
Sep-24	3,167,290		West	NM (1)	41

NM = Not measured
(1) Not measured - RW abandoned
(2) Not measured - System shut down for filter vessle repairs and PLC pannel installation.

Flow Data	**Gallons**
For Month	1,095,455
To Pond	1,095,455
Below Pond	0
Average	35,337
Maximum	82,427
Minimum	0
Total Through July	1,368,597,504
Total Through Aug	1,369,692,959

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	8/1/2024	8/1/2024
	8/15/2024	8/15/2024	8/15/2024
	8/29/2024	8/29/2024	8/29/2024

Drum Disposal No

NOTES: System shut down 8.11.2024 through 8.22.2024 for filter vessel repairs and PLC pannel installation. North filter vessel is operable and in use. System restarted on 8.22.2024.

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
August 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	8/7/2024		8/14/2024	8/21/2024	8/28/2024		Average	Maximum	
Lab pH		-	-	-	7.08	H	NS	NS	7.04	H	7.06	7.08	H
Iron, Dissolved	mg/L	-	-	-	0.903		NS	NS	0.996		0.950	0.996	
Iron, Total	mg/L	-	-	-	1.45		NS	NS	1.29		1.37	1.45	
Acenaphthene	mg/L	-	-	0.42	0.0094		NS	NS	0.0074		0.0084	0.0094	
Acenaphthylene	mg/L	-	-	-	0.00240		NS	NS	0.00076		0.00158	0.00240	
Anthracene	mg/L	-	-	2.1	0.00271		NS	NS	0.00279		0.00275	0.00279	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000181**		NS	NS	**0.000246**		**0.000214**	**0.000246**	
Benzo(a)pyrene	mg/L	-	-	0.00023	ND		NS	NS	ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Chrysene	mg/L	-	-	-	0.00017	J	NS	NS	0.000245		0.000208	0.000245	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00253		NS	NS	0.00304		0.00279	0.00304	
Fluorene	mg/L	-	-	-	0.00492		NS	NS	0.00475		0.00484	0.00492	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	ND		NS	NS	0.00064	J	0.0006	0.00064	J
o-Cresol	mg/L	-	-	0.35	0.0013	J	NS	NS	0.0048	J	0.0031	0.0048	J
Phenanthrene	mg/L	-	-	-	0.00590	J	NS	NS	0.00422		0.00506	0.00590	J
Pyrene	mg/L	-	-	-	0.00339		NS	NS	0.00341		0.00340	0.00341	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0316		NS	NS	0.0268		0.0292	0.0316	
Benzene	µg/L	-	-	5	**81.2**		NS	NS	**69.0**		**75.1**	**81.2**	
Ethylbenzene	µg/L	-	-	700	26.2		NS	NS	22.4		24.3	26.2	
m,p-Xylenes	µg/L	-	-	-	21.1		NS	NS	15.6		18.4	21.1	
Naphthalene	µg/L	-	-	25	**130**		NS	NS	**125**		**128**	**130**	
o-Xylene	µg/L	-	-	-	11.8		NS	NS	9.0		10.4	11.8	
Toluene	µg/L	-	-	1000	59.9		NS	NS	49.5		54.7	59.9	
Xylenes, Total	µg/L	-	-	10000	32.9		NS	NS	24.6		28.8	32.9	

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
NS=Not sampled - system shutdown for maintenance

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	8/7/2024		8/14/2024	8/21/2024	8/28/2024		Average	Maximum	
Lab pH		-	-	-	7.05	H	NS	NS	7.10	H	7.08	7.10	H
Iron, Dissolved	mg/L	-	-	-	0.1120		NS	NS	0.0751		0.0936	0.1120	
Iron, Total	mg/L	-	-	-	0.222		NS	NS	0.195		0.209	0.222	
Acenaphthene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Anthracene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Benzo(a)anthracene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Benzo(a)pyrene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Fluoranthene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
m,p-Cresol	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
o-Cresol	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Phenanthrene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Benzene	µg/L	-	-	-	0.4	J	NS	NS	0.2	J	0.3	0.4	J
Ethylbenzene	µg/L	-	-	-	ND		NS	NS	ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Naphthalene	µg/L	-	-	-	1.0		NS	NS	1.8		1.4	1.8	
o-Xylene	µg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Toluene	µg/L	-	-	-	ND		NS	NS	ND		ND	ND	
Xylenes, Total	µg/L	-	-	-	ND		NS	NS	ND		ND	ND	

ND=Not detected above the project acceptable detection limit
J=Analyte detected below quantitation limits
H = Holding times exceeded
NS=Not sampled - system shutdown for maintenance

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
August 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	8/7/2024		8/14/2024	8/21/2024		8/28/2024		Average	Maximum	
Lab pH		-	-	-	7.17	H	NS	NS	H	7.07	H	7.12	7.12	H
Iron, Dissolved	mg/L	-	1	-	ND		NS	NS		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND		NS	NS		0.035	J	0.035	0.035	J
Acenaphthene	mg/L	-	0.0608	-	ND		NS	NS		ND		ND	ND	
Acenaphthylene	mg/L	-	-	-	ND		NS	NS		ND		ND	ND	
Anthracene	mg/L	-	0.0023	-	ND		NS	NS		ND		ND	ND	
Benzo(a)anthracene	mg/L	-	0.001	-	ND		NS	NS		ND		ND	ND	
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		NS	NS		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		NS	NS		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		NS	NS		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		NS	NS		ND		ND	ND	
Chrysene	mg/L	-	-	-	ND		NS	NS		ND		ND	ND	
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		NS	NS		ND		ND	ND	
Fluoranthene	mg/L	0.053	0.398	-	ND		NS	NS		ND		ND	ND	
Fluorene	mg/L	-	-	-	ND		NS	NS		ND		ND	ND	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		NS	NS		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		NS	NS		ND		ND	ND	
o-Cresol	mg/L	-	1.9	-	ND		NS	NS		ND		ND	ND	
Phenanthrene	mg/L	-	0.01	-	ND		NS	NS		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		NS	NS		ND		ND	ND	
Total PNAs except Naphthalene	mg/L	-	-	-	ND		NS	NS		ND		ND	ND	
Benzene	µg/L	-	50	-	ND		NS	NS		ND		ND	ND	
Ethylbenzene	µg/L	17	216	-	ND		NS	NS		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		NS	NS		ND		ND	ND	
Naphthalene	µg/L	-	670	-	ND		NS	NS		ND		ND	ND	
o-Xylene	µg/L	-	-	-	ND		NS	NS		ND		ND	ND	
Toluene	µg/L	70	750	-	ND		NS	NS		ND		ND	ND	
Xylenes, Total	µg/L	117	750	-	ND		NS	NS		ND		ND	ND	

NA=Not analyzed
ND=Not detected above the project acceptable detection limit
J=Analyte detected below quantitation limits
H = Holding times exceeded
NS=Not sampled - system shutdown for maintenance

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	8/7/2024	8/14/2024	8/21/2024	8/28/2024	Average	Maximum
Benzene	µg/L	-	-	-	ND	NS	NS	ND	ND	ND
Ethylbenzene	µg/L	-	-	-	ND	NS	NS	ND	ND	ND
m,p-Xylenes	µg/L	-	-	-	ND	NS	NS	ND	ND	ND
Naphthalene	µg/L	-	-	-	ND	NS	NS	ND	ND	ND
o-Xylene	µg/L	-	-	-	ND	NS	NS	ND	ND	ND
Toluene	µg/L	-	-	-	ND	NS	NS	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	NS	NS	ND	ND	ND

ND=Not detected above the project acceptable detection limit
NS=Not sampled - system shutdown for maintenance

MGP Pump & Treat System Summary
Taylorville, Illinois
September 2024

DATE	TOTALIZER READING	FLOW	EXTRACTION WELL	Water Level East	Water Level West
Sep-24					
1	3,167,290	52,302	WEST	NM (1)	41
2	3,219,592	37,301	WEST	NM (1)	44
3	3,256,893	53,526	WEST	NM (1)	46
4	3,310,419	28,328	WEST	NM (1)	48
5	3,338,747	57,581	WEST	NM (1)	48
6	3,396,328	38,510	WEST	NM (1)	46
7	3,434,838	47,792	WEST	NM (1)	46
8	3,482,630	61,427	WEST	NM (1)	46
9	3,544,057	40,217	WEST	NM (1)	46
10	3,584,274	44,849	WEST	NM (1)	46
11	3,629,123	24,631	WEST	NM (1)	48
12	3,653,754	58,772	WEST	NM (1)	48
13	3,712,526	43,807	WEST	NM (1)	50
14	3,756,333	43,450	WEST	NM (1)	50
15	3,799,783	68,861	WEST	NM (1)	50
16	3,868,644	50,432	WEST	NM (1)	48
17	3,919,076	47,836	WEST	NM (1)	36
18	3,966,912	26,309	WEST	NM (1)	48
19	3,993,221	38,177	WEST	NM (1)	46
20	4,031,398	34,671	WEST	NM (1)	48
21	4,066,069	38,047	WEST	NM (1)	48
22	4,104,116	44,598	WEST	NM (1)	49
23	4,148,714	40,469	WEST	NM (1)	49
24	4,189,183	50,612	WEST	NM (1)	48
25	4,239,795	27,426	WEST	NM (1)	49
26	4,267,221	50,199	WEST	NM (1)	49
27	4,317,420	43,510	WEST	NM (1)	48
28	4,360,930	46,631	WEST	NM (1)	48
29	4,407,561	54,608	WEST	NM (1)	48
30	4,462,169	94,056	WEST	NM (1)	49
Oct-24	4,556,225				

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

Flow Data	**Gallons**
For Month	1,388,935
To Pond	1,388,935
Below Pond	0
Average	46,298
Maximum	94,056
Minimum	24,631
Total Through Aug	1,369,692,959
Total Through Sept	1,371,081,894

Maintenance Summary

Well Cleaning	None		
Vessel	**North**	**South**	
Carbon Change	None	None	
Cleaned Effluent Backwash Storage	None	None	
Back Washed Vessels	9/30/2024	9/30/2024	
Changed Bag Filters	**North**	**Middle**	**South**
	9/5/2024	9/5/2024	9/5/2024
	9/12/2024	9/12/2024	9/12/2024
	9/19/2024	9/19/2024	9/19/2024
	9/26/2024	9/26/2024	9/26/2024

Drum Disposal Drums of spent filter bags disposed on 10/12/2024

NOTES:

Influent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
September 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	9/4/2024		9/11/2024		9/18/2024		9/25/2024		Average	Maximum	
Lab pH		-	-	-	6.99	H	7.07	H	7.03	H	6.94	H	7.01	7.07	H
Iron, Dissolved	mg/L	-	-	-	0.140		0.158		0.509		0.0419		0.212	0.509	
Iron, Total	mg/L	-	-	-	1.26	B	1.17		1.16		1.58		1.29	1.58	
Acenaphthene	mg/L	-	-	0.42	0.00265		0.00170		0.00394		0.00088		0.00229	0.00394	
Acenaphthylene	mg/L	-	-	-	0.000224		0.000152		0.000397		0.000131		0.00023	0.000397	
Anthracene	mg/L	-	-	2.1	0.00192		0.00180		0.00198		0.00030	J	0.00150	0.00198	
Benzo(a)anthracene	mg/L	-	-	0.00013	**0.000188**		**0.000192**		**0.000203**		**0.000185**		**0.000192**	**0.000203**	
Benzo(a)pyrene	mg/L	-	-	0.00023	ND		ND		ND		ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Chrysene	mg/L	-	-	-	0.00017	J	0.00015	J	0.00017	J	0.00014	J	0.00016	0.00017	J
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	-	-	0.28	0.00260		0.00272		0.00273		0.00256		0.00265	0.00273	
Fluorene	mg/L	-	-	-	0.00317		0.00288		0.00311		0.000275		0.00236	0.00317	
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	-	0.35	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	-	0.35	0.0011	J	0.0010	J	0.0013	J	ND		0.0011	0.0013	J
Phenanthrene	mg/L	-	-	-	0.000821		0.000550	J	ND		ND		0.000686	0.000821	
Pyrene	mg/L	-	-	-	0.00286		0.00292		0.00310		0.00260		0.00287	0.00310	
Total PNAs except Naphthalene	mg/L	-	-	-	0.0146		0.0131		0.0156		0.00707		0.0126	0.0156	
Benzene	µg/L	-	-	5	**56.0**		**55.4**		**54.6**		**62.1**		**57.0**	**62.1**	
Ethylbenzene	µg/L	-	-	700	15.6		15.0	J	17.0		18.3		16.5	18.3	
m,p-Xylenes	µg/L	-	-	-	17.4		17.0	J	17.5		19.1		17.8	19.1	
Naphthalene	µg/L	-	-	25	**111**		**77.7**		**92.2**		**84.0**		**91.2**	**111**	
o-Xylene	µg/L	-	-	-	10.2		9.8	J	10.0		10.9		10.2	10.9	
Toluene	µg/L	-	-	1000	39.2		38.2		39.6		43.1		40.0	43.1	
Xylenes, Total	µg/L	-	-	10000	27.6		26.9		27.5		30.0		28.0	30.0	

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
September 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	9/4/2024		9/11/2024		9/18/2024		9/25/2024		Average	Maximum	
Lab pH		-	-	-	7.08	H	7.09	H	7.21	H	7.02	H	7.10	7.21	H
Iron, Dissolved	mg/L	-	-	-	0.026	J	0.027	J	0.037	J	0.0689		ND	ND	
Iron, Total	mg/L	-	-	-	0.0683		0.137		0.141		0.0759		0.106	0.141	
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	-	-	-	0.1	J	ND		ND		ND		0.1	0.1	J
Ethylbenzene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Xylenes	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Naphthalene	µg/L	-	-	-	0.9		ND		ND		ND		0.9	0.9	
o-Xylene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Toluene	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Xylenes, Total	µg/L	-	-	-	ND		ND		ND		ND		ND	ND	

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

Effluent
Ameren CIPS Manufactured Gas Plant
Taylorville, Illinois
September 2024

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	9/4/2024		9/11/2024		9/18/2024		9/25/2024		Average	Maximum	
Lab pH		-	-	-	7.17	H	7.15	H	7.18	H	7.07	H	7.14	7.18	H
Iron, Dissolved	mg/L	-	1	-	ND		ND		ND		ND		ND	ND	
Iron, Total	mg/L	2	4	-	ND	B	ND		ND		ND		ND	ND	B
Acenaphthene	mg/L	-	0.0608	-	ND	S	ND		ND	S	ND	S	ND	ND	S
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	S	ND		ND	S	ND		ND	ND	S
Benzo(a)pyrene	mg/L	-	0.0005	-	ND		ND		ND	S	ND		ND	ND	
Benzo(b)fluoranthene	mg/L	-	-	-	ND		ND		ND	S	ND		ND	ND	
Benzo(g,h,i)perylene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Benzo(k)fluoranthene	mg/L	-	-	-	ND	S	ND		ND	S	ND		ND	ND	S
Chrysene	mg/L	-	-	-	ND	S	ND		ND	S	ND		ND	ND	S
Dibenzo(a,h)anthracene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
Fluoranthene	mg/L	0.053	0.398	-	ND		ND		ND	S	ND		ND	ND	
Fluorene	mg/L	-	-	-	ND	S	ND		ND	S	ND		ND	ND	S
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	ND		ND		ND		ND		ND	ND	
m,p-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND	ND	
o-Cresol	mg/L	-	1.9	-	ND		ND		ND		ND		ND	ND	
Phenanthrene	mg/L	-	0.01	-	ND		ND		ND		ND		ND	ND	
Pyrene	mg/L	-	-	-	ND		ND		ND	S	ND		ND	ND	S
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	-	-	-	0.2	J	ND		ND		ND		ND	0.2	J
Naphthalene	µg/L	-	670	-	ND		ND		ND		ND		ND	ND	
o-Xylene	µg/L	-	-	-	0.1	J	ND		ND		ND		ND	0.1	J
Toluene	µg/L	70	750	-	0.3	J	ND		ND		ND		ND	0.3	J
Xylenes, Total	µg/L	117	750	-	0.3	J	ND		ND		ND		ND	0.3	J

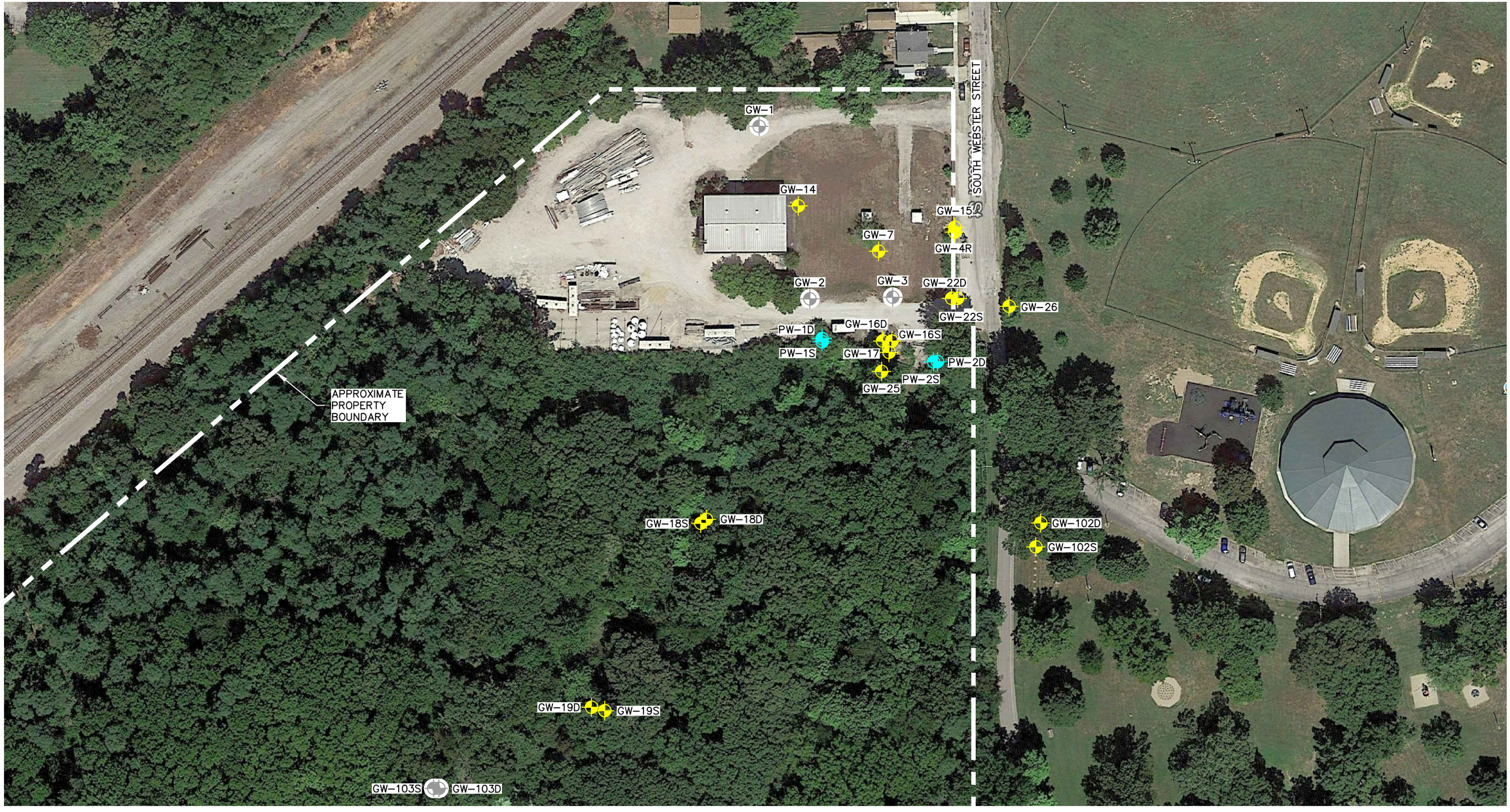
ND=Not detected above the project acceptable detection limit
J=Analyte detected below quantitation limits
B=Analyte found in the method blank at a concentration
H = Holding times exceeded
S = Matrix spike outside control limits

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

Parameter	Units	30 Day Avg Limit	Daily Max	GW Cleanup Goals	9/4/2024	9/11/2023	9/18/2024	9/25/2024	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	-	-	-	0.1 J	ND	ND	ND	0.1	0.1 J
Toluene	µg/L	-	-	-	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	-	-	-	ND	ND	ND	ND	ND	ND

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

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

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Mr. Brian Martin
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Senior Manager, Environmental and ESG Services
Environmental Strategy & Analysis
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St. Louis, Missouri 63103

DATE
22 October 2024

SUBJECT
Year 2024 Quarter 3 Groundwater Sampling Results
Former MGP Site – Taylorville, Illinois

REFERENCE
0721631

Dear Mr. Martin:

Environmental Resources Management, Inc. (ERM) has completed the third quarter 2024 groundwater sampling event at the Ameren former manufactured gas plant (MGP) site, located at 917 South Webster Street in Taylorville, Illinois (the "Site"). This report summarizes the field data and analytical results for the quarterly groundwater sampling event conducted from 28 August through 30 August 2024.

METHODOLOGY

During the sampling event, groundwater samples were collected from 17 monitoring wells, which included six (6) monitoring wells on or immediately adjacent to the remediation site (Site), nine (9) monitoring wells south of the Site on Ameren owned parcels, and two (2) monitoring wells located offsite. Monitoring well location maps are provided as Figure 1 and Figure 2.

Groundwater level measurements were recorded from each monitoring well prior to purging or sampling using a decontaminated water level meter referenced from the marked top of casing to an accuracy of 0.01 feet. A groundwater contour map is provided as Figure 3.

Purging and sampling was conducted at all monitoring wells, with the exception of GW-20, using a dedicated bladder pump installed in the middle of the well screen. A new section of disposable 3/8" ID by 1/2" OD polyethylene tubing was used at each monitoring well to connect the bladder pump to the water quality meter (YSI) flow-through cell. During purging, field parameters pH, specific conductivity (SC), dissolved oxygen (DO), temperature, oxidation reductive potential (ORP), and turbidity were collected using a calibrated YSI water quality meter and HACH turbidimeter at an initial reading, and upon purging each well volume. Purging was conducted until a minimum of three (3) well volumes of groundwater were removed.

At monitoring well GW-20, a dedicated bailer was used during purging and sampling due to shallow well depth and low well volume historically observed at this location.

The bailer was lowered to the bottom of the well screen and retrieved to collect groundwater. During purging, the field parameters pH, SC, DO, temperature, ORP and turbidity were collected using a calibrated YSI water quality meter and HACH turbidimeter at an initial reading, and during purging. Purging was conducted until a minimum of three (3) well volumes of groundwater were removed . Purge water generated from groundwater sampling activities was treated and discharged through the on-site groundwater treatment system (GWTS).

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

Quality assurance (QA) samples collected during the event included duplicates, matrix spike and matrix spike duplicates (MS/MSD), an equipment blank and a trip blank. One duplicate sample was collected for every 10 normal groundwater samples and one MS/MSD sample was collected for every 20 normal groundwater samples. These samples are identified on the chain-of-custody and analytical report as DUP-001 and DUP-002 and were collected from monitoring wells GW-4R and GW-22S. One trip blank was included in each cooler containing groundwater samples to be analyzed for VOCs. One equipment reinstate blank was collected from the water level meter used during the groundwater monitoring event using lab-provided deionized water.

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

GROUNDWATER MONITORING RESULTS

GROUNDWATER LEVELS

The measured depth to groundwater (DTW) from the monitoring wells during the third quarter 2024 sampling event ranged from 2.95 to 19.80 feet below top of casing (BTOC).

The west extraction well at the Site is gauged daily using an airline gauge which measures the height of groundwater above the top of the pump. The depth to water at

the west extraction well was on average approximately 42 feet bgs from 28 August through 30 August 2024. The groundwater elevation in the recovery well was approximately 578 feet above mean sea level. For comparison, the measured groundwater elevation at nearby monitoring well GW-7 is 599.84 feet above mean sea level, indicating that groundwater in this area flows toward the extraction well.

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

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

DATA VALIDATION

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

Stage 3 data validation including additional data review of calibration, internal standards and recalculation, was completed for 20 percent of the samples. Following the data validation, 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 limitations indicated by the following applied qualifiers should be considered when using this data. A ‘j’ qualifier, applied by the laboratory, indicates the result is an estimated concentration, below laboratory reporting limits. A ‘J+’ qualifier, added following data validation by ERM, indicates the result is an estimated concentration with a high bias. A ‘UJ’ qualifier, added following data validation by ERM, indicates that the result is non-detected with an estimated report. Note these qualifiers are applied to sample results in the summary table provided in Attachment B. The data validation summary for the third quarter sampling results is provided as Attachment D.

ANALYTICAL RESULTS

Analytical results from the groundwater samples collected during the third quarter 2024 sampling event were compared to site-specific clean up objectives (CUOs) established in the USEPA 1992 ROD for the Site. The laboratory report for the third quarter 2024 sampling event is provided as Attachment A. Attachment B contains the validated analytical data summary for the third quarter 2024 sampling event.

Attachment C contains the historical data summary for the site monitoring wells from the period of February 2020 through August 2024.

Of the 17 monitoring wells sampled during the third quarter 2024 groundwater sampling event, samples collected at five (5) monitoring wells contained exceedances of Site CUOS.

- Benzene, naphthalene, benzo(a)anthracene and bis(2-ethylhexyl)phthalate were detected in groundwater samples collected at GW-4R exceeding CUOs. Benzene was detected at 1,180 µg/L, naphthalene was detected at 1,790 µg/L, benzo(a)anthracene was detected at 0.000267 mg/L and bis(2-ethylhexyl)phthalate was detected at 0.00470 mg/L in the groundwater samples collected from this location. These findings are consistent with what has been observed during past quarterly groundwater sampling events in that the highest concentrations of COCs have been noted in samples collected from GW-4R.
- Benzo(a)anthracene and bis(2-ethylhexyl)phthalate were detected in groundwater samples collected at GW-7 exceeding CUOs. Benzo(a)anthracene was detected at 0.000285 mg/L and bis(2-ethylhexyl)phthalate was detected at 0.00698 mg/L in the groundwater samples collected from this location. These findings are consistent with what has been observed during past quarterly groundwater sampling events.

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

- Bis(2-ethylhexyl)phthalate was detected above CUOs from the groundwater samples collected from monitoring wells GW-16D and GW-17. It should be noted that both these detections are qualified with a "B" indicating that this constituent was also detected in the laboratory method blank associated with the groundwater samples collected from GW-16D and GW-17. This constituent has been previously detected above CUOs from the groundwater samples collected from these monitoring wells.
- Consistent with previous quarterly groundwater sampling events, PAHs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and indeno(1,2,3-cd)pyrene were detected at concentrations exceeding the CUOs from the groundwater sample collected from GW-20. GW-20 which is about 1,000 feet south from the Site, is the furthest monitoring well downgradient from the Site and screened at a shallow interval (approximately 4.5 to 9.5 feet bgs). Since samples collected from monitoring wells located between GW-20 and the Site have not historically contained detections of these PAHs, and the detected compounds have very low

general solubility in water, it is unlikely that the PAHs from the sample collected at GW-20 are related to the former MGP site. Rather, these impacts are believed to attributed to roadway wash off from nearby roads (Highway 48 and Manners Park Road), as GW-20 is located at a topographically low point in a drainage swale about 1,000 ft downgradient of the Site.

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

MONITORING WELL ABANDONMENTS

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-6S, GW-6D, GW-11, GW-12, and GW-21 were abandoned by GeoServe Inc, an Illinois licensed driller, on 4 June 2024 through 5 June 2024. The well sealing forms for the abandonment of these monitoring wells were submitted to the Illinois Department of Health (IDPH) on 7 June 2024. As a result of these abandonments, a groundwater sample was not collected from monitoring well GW-21 in the third quarter 2024 groundwater sampling event, which has previously been included in the quarterly sampling events. Additionally, groundwater samples will not be collected from GW-11 or GW-12 during the 2025 annual groundwater sampling event, which would typically be sampled during the annual event.

The locations of the abandoned monitoring wells are shown on Figure 1. Copies of the well sealing forms for the monitoring wells GW-6S, GW-6D, GW-11, GW-12, and GW-21 are provided in Attachment E.

CONCLUSION

ERM conducted the third quarter 2024 groundwater sampling event at the Site from 28 August through 30 August 2024. Samples and groundwater level measurements were collected from 17 monitoring wells. Groundwater flow was observed to be primarily flat within the Site and immediate vicinity, with hydraulic containment extending to about GW-25. South of this location, and on Ameren-owned property, the gradient is generally south-southeast.

Exceedances of CUOs were observed in the groundwater samples collected from monitoring wells: GW-4R, GW-7, GW-16D, GW-17 and GW-20. Groundwater samples collected from GW-4R continue to contain the highest concentrations of COCs. Groundwater samples collected from GW-16D and GW-17, located immediately downgradient of the Site, contained exceedances of bis(2-ethylhexyl)phthalate, but did not have detections of other MGP-specific COCs in these samples, which supports that the detections of bis(2-ethylhexyl)phthalate from samples collected from these monitoring wells are not MGP related. The groundwater sample collected from GW-20 contained detections of PAHs above CUOs however it is assumed these PAHs are most likely not related to the former MGP site due to the distance from the Site and lack of PAH detections in samples collected from the nearby downgradient monitoring wells. These observations are consistent with what has historically been observed from samples collected at these monitoring wells.

Per IEPA and IDPH approval, monitoring wells GW-6S, GW-6D, GW-11, GW-12, and GW-21 were abandoned on 4 June 2024 through 5 June 2024.

The fourth quarter groundwater sampling event is scheduled to be completed in November 2024. Should you have any questions, please contact us at your convenience.

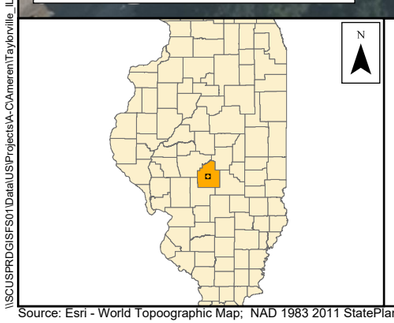
Sincerely,

Michael Abegg, RG *Senior Consultant*	Jarred Schmidt *Principal Consultant*	Dan Wilkens, PG *Partner*

TABLE OF CONTENTS

FIGURES

DRAWN BY: Shannon Long



Legend

- Monitoring Well
- Annual Well
- Abandoned Monitoring Well
- East Extraction Well (Abandoned)
- West Extraction Well
- Parent Parcel Boundary
- Site Boundary

NOTES:
1. Aerial Imagery: Bing Maps

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

Environmental Resources Management
www.erm.com

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

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DRAWN BY: Shannon Long

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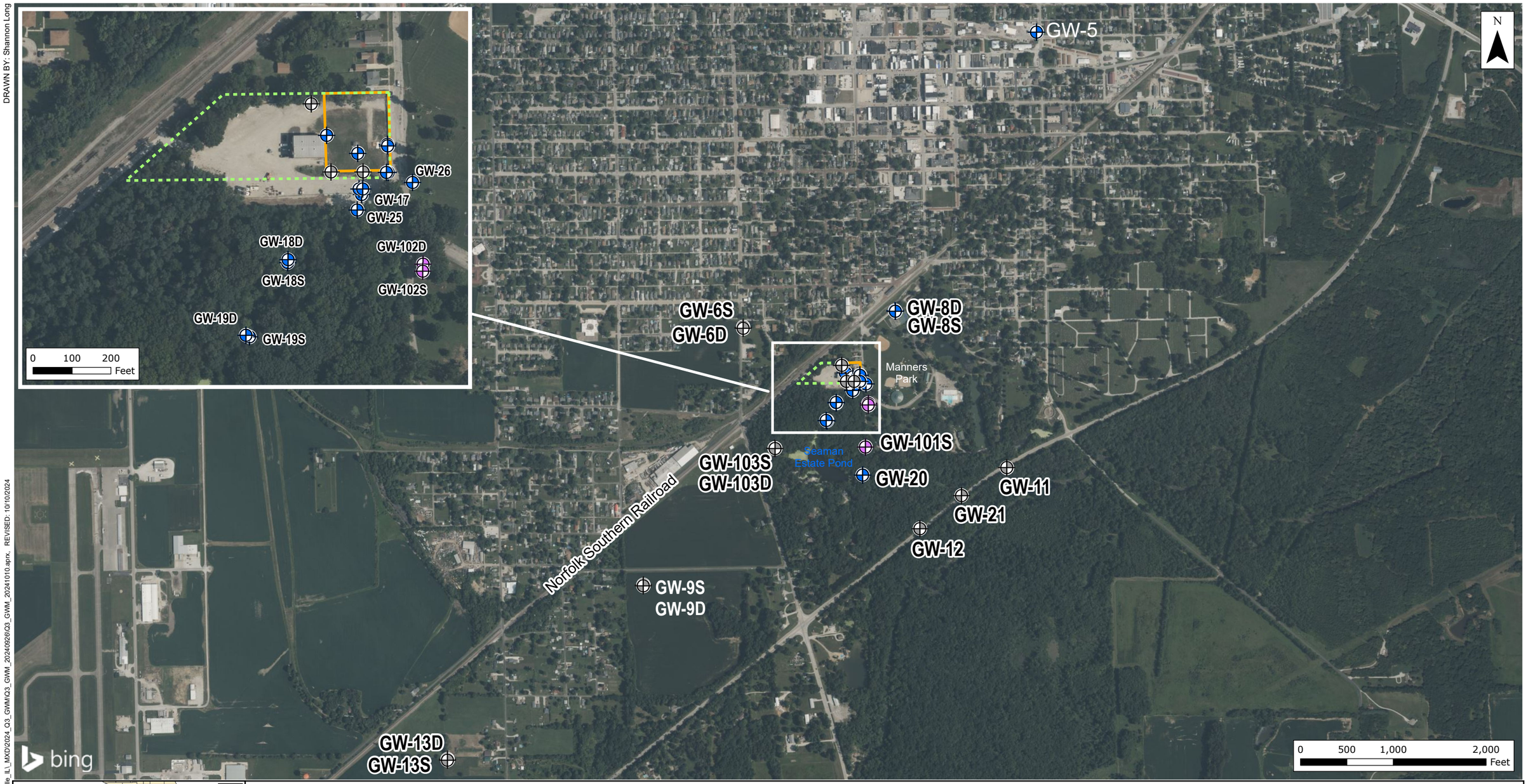
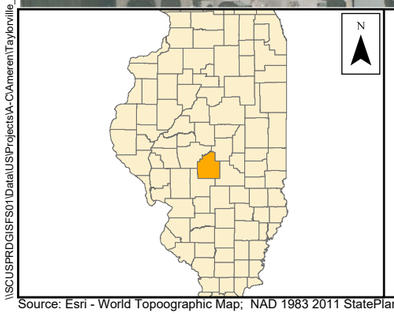




Legend

- Monitoring Well
- Annual Well
- Abandoned Monitoring Well
- Parent Parcel Boundary
- Site Boundary

NOTES:

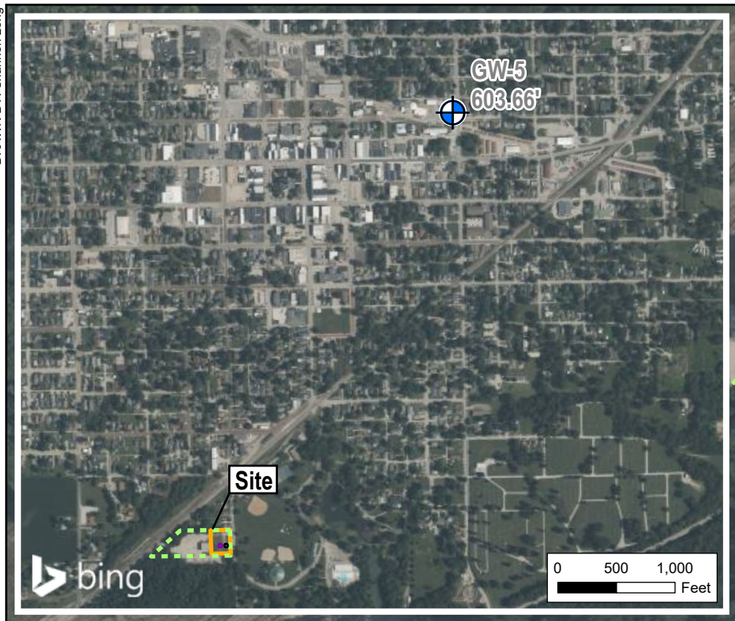
1. GW-8S and GW-8D not included in Quarterly or Annual Groundwater Monitoring.
2. Aerial Imagery: Bing Maps

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

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

Environmental Resources Management
www.erm.com
ERM

DRAWN BY: Shannon Long



S Webster St

GW-14
600.41'

Groundwater Treatment System Building

West Extraction Well

East Extraction Well

GW-15
601.23'

GW-4R
599.42'

GW-7
599.84'

GW-22S
600.26'

GW-22D
599.97'

GW-26
599.99'

GW-16D
600.08'

GW-16S
600.06'

GW-17
600.09'

GW-25
600.19'

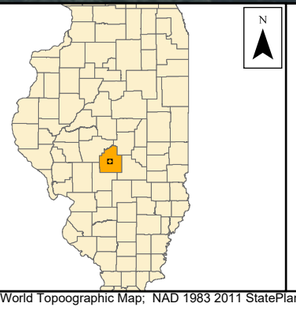
GW-18D
601.22'

GW-18S
599.10'

600
599
590
580
599
598
597

N

0 50 100 200
Feet



Legend

- Monitoring Well
- Groundwater Flow Direction
- East Extraction Well (Abandoned)
- West Extraction Well
- Cone of Depression (Estimated)
- Parent Parcel Boundary
- Site Boundary

NOTES:

1. GW-5, GW-15, GW-18D, and GW-22D were not used for contouring.
2. Groundwater elevation for West Extraction Well was measured at 578 ft. on August 28, 2024.
3. Depths to groundwater were measured August 28-30, 2024.
4. Aerial Imagery: Bing Maps

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

Environmental Resources Management
www.erm.com
ERM

M:\US\Projects\A-C\Ameren\Taylorville_IL_MXD\2024_Q3_GWM\Q3_GWM_20240926\Q3_GWM_20241010.aprx, REVISED: 10/21/2024

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

ATTACHMENT A ANALYTICAL LAB REPORT

September 11, 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 3rd Qtr 2024 **WorkOrder:** 24082570

Dear Michael Abegg:

TEKLAB, INC received 21 samples on 8/30/2024 4:30:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

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

Report Contents

http://www.teklabinc.com/

Client: ERM
Work Order: 24082570
Client Project: Ameren Taylorville 3rd Qtr 2024
Report Date: 11-Sep-24

This reporting package includes the following:

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-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:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-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: 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024

Report Date: 11-Sep-24

Cooler Receipt Temp: 5.5 °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

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-001 **Client Sample ID:** GW-04R-WG-20240830

Matrix: GROUNDWATER **Collection Date:** 08/30/2024 14:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.00350	0.00500		**0.0203**	mg/L	50	09/09/2024 12:42	227914
Acenaphthylene	NELAP	0.0025	0.0050	J	**0.0034**	mg/L	50	09/09/2024 12:42	227914
Anthracene	NELAP	.000200	0.000300		**0.00180**	mg/L	1	09/05/2024 19:48	227914
Benzo(a)anthracene	NELAP	.000070	0.000100		**0.000267**	mg/L	1	09/05/2024 19:48	227914
Benzo(a)pyrene	NELAP	.000110	0.000200		**ND**	mg/L	1	09/05/2024 19:48	227914
Benzo(b)fluoranthene	NELAP	.000130	0.000200		**ND**	mg/L	1	09/05/2024 19:48	227914
Benzo(g,h,i)perylene	NELAP	.000120	0.000200		**ND**	mg/L	1	09/05/2024 19:48	227914
Benzo(k)fluoranthene	NELAP	.000120	0.000200		**ND**	mg/L	1	09/05/2024 19:48	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	B	**ND**	mg/L	1	09/05/2024 19:48	227914
Chrysene	NELAP	.000120	0.000200		**0.000541**	mg/L	1	09/05/2024 19:48	227914
Dibenzo(a,h)anthracene	NELAP	.000120	0.000200		**ND**	mg/L	1	09/05/2024 19:48	227914
Di-n-butyl phthalate	NELAP	.000830	0.0100		**ND**	mg/L	1	09/05/2024 19:48	227914
Fluoranthene	NELAP	0.0135	0.0150		**ND**	mg/L	50	09/09/2024 12:42	227914
Fluorene	NELAP	0.00850	0.0100		**0.0888**	mg/L	50	09/09/2024 12:42	227914
Indeno(1,2,3-cd)pyrene	NELAP	.000160	0.000200		**ND**	mg/L	1	09/05/2024 19:48	227914
m,p-Cresol	NELAP	0.00059	0.010	J	**0.0037**	mg/L	1	09/05/2024 19:48	227914
Naphthalene	NELAP	0.0800	0.200		**1.22**	mg/L	500	09/09/2024 15:06	227914
o-Cresol	NELAP	0.00054	0.010	J	**0.0043**	mg/L	1	09/05/2024 19:48	227914
Phenanthrene	NELAP	0.0265	0.0300		**0.0810**	mg/L	50	09/09/2024 12:42	227914
Pyrene	NELAP	.000180	0.000200		**0.00453**	mg/L	1	09/05/2024 19:48	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**143.4**	%REC	1	09/05/2024 19:48	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**106.3**	%REC	1	09/05/2024 19:48	227914
Surr: 2-Fluorophenol	*	0	30-130	S	**133.3**	%REC	1	09/05/2024 19:48	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**106.3**	%REC	1	09/05/2024 19:48	227914
Surr: Phenol-d5	*	0	20.5-122		**110.6**	%REC	1	09/05/2024 19:48	227914
Surr: p-Terphenyl-d14	*	0	44-147		**118.2**	%REC	1	09/05/2024 19:48	227914

Elevated reporting limit due to high levels of target analytes.

Surrogate recovery is outside control limits due to matrix interference.

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Sample results below the reporting limit are reportable per the TNI Standard.

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	1.00	10.0		**1150**	µg/L	20	09/03/2024 10:06	227918
Bromoform	NELAP	1.80	4.00		**ND**	µg/L	20	09/03/2024 10:06	227918
Ethylbenzene	NELAP	2.00	20.0		**261**	µg/L	20	09/03/2024 10:06	227918
m,p-Xylenes	NELAP	4.40	20.0		**119**	µg/L	20	09/03/2024 10:06	227918
Methylene chloride	NELAP	17.4	40.0		**ND**	µg/L	20	09/03/2024 10:06	227918
Naphthalene	NELAP	11.4	40.0		**1790**	µg/L	20	09/03/2024 10:06	227918
o-Xylene	NELAP	1.00	20.0		**185**	µg/L	20	09/03/2024 10:06	227918
Toluene	NELAP	2.00	40.0		**159**	µg/L	20	09/03/2024 10:06	227918
trans-1,2-Dichloroethene	NELAP	2.00	40.0		**ND**	µg/L	20	09/03/2024 10:06	227918
Xylenes, Total	NELAP	5.60	40.0		**304**	µg/L	20	09/03/2024 10:06	227918
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.1**	%REC	20	09/03/2024 10:06	227918
Surr: 4-Bromofluorobenzene	*	0	80-120		**95.8**	%REC	20	09/03/2024 10:06	227918
Surr: Dibromofluoromethane	*	0	80-120		**102.3**	%REC	20	09/03/2024 10:06	227918
Surr: Toluene-d8	*	0	80-120		**99.5**	%REC	20	09/03/2024 10:06	227918

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

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-002 **Client Sample ID:** GW-05-WG-20240829

Matrix: GROUNDWATER **Collection Date:** 08/29/2024 11:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.00010	J	**0.000074**	mg/L	1	09/05/2024 20:26	227914
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/05/2024 20:26	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/05/2024 20:26	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/05/2024 20:26	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/05/2024 20:26	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/05/2024 20:26	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 20:26	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 20:26	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	B	**ND**	mg/L	1	09/05/2024 20:26	227914
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 20:26	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 20:26	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/05/2024 20:26	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/05/2024 20:26	227914
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/05/2024 20:26	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/05/2024 20:26	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/05/2024 20:26	227914
Naphthalene	NELAP	0.00016	0.0050	J	**0.0048**	mg/L	1	09/05/2024 20:26	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/05/2024 20:26	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/05/2024 20:26	227914
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/05/2024 20:26	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**121.2**	%REC	1	09/05/2024 20:26	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**76.3**	%REC	1	09/05/2024 20:26	227914
Surr: 2-Fluorophenol	*	0	30-130		**107.2**	%REC	1	09/05/2024 20:26	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**80.6**	%REC	1	09/05/2024 20:26	227914
Surr: Phenol-d5	*	0	20.5-122		**85.8**	%REC	1	09/05/2024 20:26	227914
Surr: p-Terphenyl-d14	*	0	44-147		**105.5**	%REC	1	09/05/2024 20:26	227914

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/03/2024 10:31	227918
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/03/2024 10:31	227918
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/03/2024 10:31	227918
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/03/2024 10:31	227918
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/03/2024 10:31	227918
Naphthalene	NELAP	0.57	2.1	J	**2.1**	µg/L	1	09/03/2024 10:31	227918
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/03/2024 10:31	227918
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 10:31	227918
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 10:31	227918
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/03/2024 10:31	227918
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**98.1**	%REC	1	09/03/2024 10:31	227918
Surr: 4-Bromofluorobenzene	*	0	80-120		**97.9**	%REC	1	09/03/2024 10:31	227918
Surr: Dibromofluoromethane	*	0	80-120		**102.0**	%REC	1	09/03/2024 10:31	227918
Surr: Toluene-d8	*	0	80-120		**99.8**	%REC	1	09/03/2024 10:31	227918

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-003 **Client Sample ID:** GW-07-WG-20240830

Matrix: GROUNDWATER **Collection Date:** 08/30/2024 9:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**0.000204**	mg/L	1	09/05/2024 21:04	227914
Acenaphthylene	NELAP	).000050	0.000100		**0.000247**	mg/L	1	09/05/2024 21:04	227914
Anthracene	NELAP	).000200	0.000300		**0.00222**	mg/L	1	09/05/2024 21:04	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000285**	mg/L	1	09/05/2024 21:04	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/05/2024 21:04	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/05/2024 21:04	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 21:04	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 21:04	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00286	0.00400	B	**0.00698**	mg/L	2	09/09/2024 15:46	227914
Chrysene	NELAP	0.00012	0.00020	J	**0.00020**	mg/L	1	09/05/2024 21:04	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 21:04	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/05/2024 21:04	227914
Fluoranthene	NELAP	).000270	0.000300		**0.00139**	mg/L	1	09/05/2024 21:04	227914
Fluorene	NELAP	).000170	0.000200		**0.000536**	mg/L	1	09/05/2024 21:04	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/05/2024 21:04	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/05/2024 21:04	227914
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	09/05/2024 21:04	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/05/2024 21:04	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/05/2024 21:04	227914
Pyrene	NELAP	).000180	0.000200		**0.00375**	mg/L	1	09/05/2024 21:04	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**158.9**	%REC	1	09/05/2024 21:04	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**87.9**	%REC	1	09/05/2024 21:04	227914
Surr: 2-Fluorophenol	*	0	30-130		**126.0**	%REC	1	09/05/2024 21:04	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**94.8**	%REC	1	09/05/2024 21:04	227914
Surr: Phenol-d5	*	0	20.5-122		**103.8**	%REC	1	09/05/2024 21:04	227914
Surr: p-Terphenyl-d14	*	0	44-147		**123.0**	%REC	1	09/05/2024 21:04	227914

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.
Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.
MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/03/2024 10:56	227918
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/03/2024 10:56	227918
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/03/2024 10:56	227918
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/03/2024 10:56	227918
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/03/2024 10:56	227918
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/03/2024 10:56	227918
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/03/2024 10:56	227918
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 10:56	227918
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 10:56	227918
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/03/2024 10:56	227918
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**98.3**	%REC	1	09/03/2024 10:56	227918
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.2**	%REC	1	09/03/2024 10:56	227918
Surr: Dibromofluoromethane	*	0	80-120		**101.6**	%REC	1	09/03/2024 10:56	227918
Surr: Toluene-d8	*	0	80-120		**99.8**	%REC	1	09/03/2024 10:56	227918

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-004 **Client Sample ID:** GW-14-WG-20240829

Matrix: GROUNDWATER **Collection Date:** 08/29/2024 18:50

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	09/09/2024 13:20	227914
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/09/2024 13:20	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/09/2024 13:20	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/09/2024 13:20	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/09/2024 13:20	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/09/2024 13:20	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 13:20	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 13:20	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	B	**0.00270**	mg/L	1	09/09/2024 13:20	227914
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 13:20	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 13:20	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/09/2024 13:20	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/09/2024 13:20	227914
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/09/2024 13:20	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/09/2024 13:20	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/09/2024 13:20	227914
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	09/09/2024 13:20	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/09/2024 13:20	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/09/2024 13:20	227914
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/09/2024 13:20	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**136.1**	%REC	1	09/09/2024 13:20	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**83.5**	%REC	1	09/09/2024 13:20	227914
Surr: 2-Fluorophenol	*	0	30-130		**126.2**	%REC	1	09/09/2024 13:20	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**95.6**	%REC	1	09/09/2024 13:20	227914
Surr: Phenol-d5	*	0	20.5-122		**98.2**	%REC	1	09/09/2024 13:20	227914
Surr: p-Terphenyl-d14	*	0	44-147		**120.7**	%REC	1	09/09/2024 13:20	227914

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.

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	09/03/2024 11:21	227918
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/03/2024 11:21	227918
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/03/2024 11:21	227918
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/03/2024 11:21	227918
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/03/2024 11:21	227918
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/03/2024 11:21	227918
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/03/2024 11:21	227918
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 11:21	227918
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 11:21	227918
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/03/2024 11:21	227918
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.6**	%REC	1	09/03/2024 11:21	227918
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.3**	%REC	1	09/03/2024 11:21	227918
Surr: Dibromofluoromethane	*	0	80-120		**101.7**	%REC	1	09/03/2024 11:21	227918
Surr: Toluene-d8	*	0	80-120		**99.8**	%REC	1	09/03/2024 11:21	227918

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-005 **Client Sample ID:** GW-15-WG-20240830

Matrix: GROUNDWATER **Collection Date:** 08/30/2024 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.000070	0.000100		**ND**	mg/L	1	09/09/2024 13:58	227914
Acenaphthylene	NELAP	0.000050	0.000100		**ND**	mg/L	1	09/09/2024 13:58	227914
Anthracene	NELAP	0.000200	0.000300		**ND**	mg/L	1	09/09/2024 13:58	227914
Benzo(a)anthracene	NELAP	0.000070	0.000100		**ND**	mg/L	1	09/09/2024 13:58	227914
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	09/09/2024 13:58	227914
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	09/09/2024 13:58	227914
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/09/2024 13:58	227914
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/09/2024 13:58	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	B	**0.00322**	mg/L	1	09/09/2024 13:58	227914
Chrysene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/09/2024 13:58	227914
Dibenzo(a,h)anthracene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/09/2024 13:58	227914
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	09/09/2024 13:58	227914
Fluoranthene	NELAP	0.000270	0.000300		**ND**	mg/L	1	09/09/2024 13:58	227914
Fluorene	NELAP	0.000170	0.000200		**ND**	mg/L	1	09/09/2024 13:58	227914
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	09/09/2024 13:58	227914
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	09/09/2024 13:58	227914
Naphthalene	NELAP	0.000160	0.000400		**ND**	mg/L	1	09/09/2024 13:58	227914
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	09/09/2024 13:58	227914
Phenanthrene	NELAP	0.000530	0.000600		**ND**	mg/L	1	09/09/2024 13:58	227914
Pyrene	NELAP	0.000180	0.000200		**ND**	mg/L	1	09/09/2024 13:58	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**155.6**	%REC	1	09/09/2024 13:58	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**89.5**	%REC	1	09/09/2024 13:58	227914
Surr: 2-Fluorophenol	*	0	30-130	S	**132.6**	%REC	1	09/09/2024 13:58	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**104.6**	%REC	1	09/09/2024 13:58	227914
Surr: Phenol-d5	*	0	20.5-122		**110.5**	%REC	1	09/09/2024 13:58	227914
Surr: p-Terphenyl-d14	*	0	44-147		**126.3**	%REC	1	09/09/2024 13:58	227914

Surrogate recovery is outside control limits due to matrix interference.

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/03/2024 11:46	227918
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/03/2024 11:46	227918
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/03/2024 11:46	227918
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/03/2024 11:46	227918
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/03/2024 11:46	227918
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/03/2024 11:46	227918
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/03/2024 11:46	227918
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 11:46	227918
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 11:46	227918
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/03/2024 11:46	227918
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**98.2**	%REC	1	09/03/2024 11:46	227918
Surr: 4-Bromofluorobenzene	*	0	80-120		**97.5**	%REC	1	09/03/2024 11:46	227918
Surr: Dibromofluoromethane	*	0	80-120		**101.4**	%REC	1	09/03/2024 11:46	227918
Surr: Toluene-d8	*	0	80-120		**100.2**	%REC	1	09/03/2024 11:46	227918

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-006 **Client Sample ID:** GW-16S-WG-20240828

Matrix: GROUNDWATER **Collection Date:** 08/28/2024 13:40

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	09/04/2024 14:36	227914
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/04/2024 14:36	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/04/2024 14:36	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/04/2024 14:36	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/04/2024 14:36	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/04/2024 14:36	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/04/2024 14:36	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/04/2024 14:36	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	B	**0.00301**	mg/L	1	09/04/2024 14:36	227914
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/04/2024 14:36	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/04/2024 14:36	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/04/2024 14:36	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/04/2024 14:36	227914
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/04/2024 14:36	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/04/2024 14:36	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/04/2024 14:36	227914
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	09/04/2024 14:36	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/04/2024 14:36	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/04/2024 14:36	227914
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/04/2024 14:36	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**139.5**	%REC	1	09/04/2024 14:36	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**94.5**	%REC	1	09/04/2024 14:36	227914
Surr: 2-Fluorophenol	*	0	30-130		**125.2**	%REC	1	09/04/2024 14:36	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**97.6**	%REC	1	09/04/2024 14:36	227914
Surr: Phenol-d5	*	0	20.5-122		**106.1**	%REC	1	09/04/2024 14:36	227914
Surr: p-Terphenyl-d14	*	0	44-147		**121.3**	%REC	1	09/04/2024 14:36	227914

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/03/2024 12:11	227918
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/03/2024 12:11	227918
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/03/2024 12:11	227918
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/03/2024 12:11	227918
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/03/2024 12:11	227918
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/03/2024 12:11	227918
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/03/2024 12:11	227918
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 12:11	227918
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 12:11	227918
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/03/2024 12:11	227918
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.5**	%REC	1	09/03/2024 12:11	227918
Surr: 4-Bromofluorobenzene	*	0	80-120		**97.6**	%REC	1	09/03/2024 12:11	227918
Surr: Dibromofluoromethane	*	0	80-120		**101.7**	%REC	1	09/03/2024 12:11	227918
Surr: Toluene-d8	*	0	80-120		**100.1**	%REC	1	09/03/2024 12:11	227918

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-007 **Client Sample ID:** GW-16D-WG-20240828

Matrix: GROUNDWATER **Collection Date:** 08/28/2024 15:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/05/2024 21:41	227914
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/05/2024 21:41	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/05/2024 21:41	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/05/2024 21:41	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/05/2024 21:41	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/05/2024 21:41	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 21:41	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 21:41	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00715	0.0100	B	**0.0101**	mg/L	5	09/09/2024 11:27	227914
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 21:41	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 21:41	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/05/2024 21:41	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/05/2024 21:41	227914
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/05/2024 21:41	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/05/2024 21:41	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/05/2024 21:41	227914
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	09/05/2024 21:41	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/05/2024 21:41	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/05/2024 21:41	227914
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/05/2024 21:41	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**141.2**	%REC	1	09/05/2024 21:41	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**93.6**	%REC	1	09/05/2024 21:41	227914
Surr: 2-Fluorophenol	*	0	30-130		**121.6**	%REC	1	09/05/2024 21:41	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**94.6**	%REC	1	09/05/2024 21:41	227914
Surr: Phenol-d5	*	0	20.5-122		**101.1**	%REC	1	09/05/2024 21:41	227914
Surr: p-Terphenyl-d14	*	0	44-147		**124.2**	%REC	1	09/05/2024 21:41	227914

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.
Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.
MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/03/2024 12:35	227918
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/03/2024 12:35	227918
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/03/2024 12:35	227918
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/03/2024 12:35	227918
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/03/2024 12:35	227918
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/03/2024 12:35	227918
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/03/2024 12:35	227918
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 12:35	227918
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 12:35	227918
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/03/2024 12:35	227918
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.5**	%REC	1	09/03/2024 12:35	227918
Surr: 4-Bromofluorobenzene	*	0	80-120		**95.9**	%REC	1	09/03/2024 12:35	227918
Surr: Dibromofluoromethane	*	0	80-120		**101.5**	%REC	1	09/03/2024 12:35	227918
Surr: Toluene-d8	*	0	80-120		**99.9**	%REC	1	09/03/2024 12:35	227918

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-008 **Client Sample ID:** GW-17-WG-20240828

Matrix: GROUNDWATER **Collection Date:** 08/28/2024 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	09/05/2024 22:19	227914
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/05/2024 22:19	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/05/2024 22:19	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/05/2024 22:19	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/05/2024 22:19	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/05/2024 22:19	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 22:19	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 22:19	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00715	0.0100	B	**0.0115**	mg/L	5	09/09/2024 12:04	227914
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 22:19	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/05/2024 22:19	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/05/2024 22:19	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/05/2024 22:19	227914
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/05/2024 22:19	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/05/2024 22:19	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/05/2024 22:19	227914
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	09/05/2024 22:19	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/05/2024 22:19	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/05/2024 22:19	227914
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/05/2024 22:19	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**138.5**	%REC	1	09/05/2024 22:19	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**96.8**	%REC	1	09/05/2024 22:19	227914
Surr: 2-Fluorophenol	*	0	30-130	S	**136.5**	%REC	1	09/05/2024 22:19	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**105.1**	%REC	1	09/05/2024 22:19	227914
Surr: Phenol-d5	*	0	20.5-122		**110.8**	%REC	1	09/05/2024 22:19	227914
Surr: p-Terphenyl-d14	*	0	44-147		**128.2**	%REC	1	09/05/2024 22:19	227914

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.
Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.
Surrogate recovery is outside control limits due to matrix interference.
MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

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	09/03/2024 13:00	227918
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/03/2024 13:00	227918
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/03/2024 13:00	227918
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/03/2024 13:00	227918
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/03/2024 13:00	227918
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/03/2024 13:00	227918
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/03/2024 13:00	227918
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 13:00	227918
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 13:00	227918
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/03/2024 13:00	227918
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**99.8**	%REC	1	09/03/2024 13:00	227918
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.9**	%REC	1	09/03/2024 13:00	227918
Surr: Dibromofluoromethane	*	0	80-120		**102.7**	%REC	1	09/03/2024 13:00	227918
Surr: Toluene-d8	*	0	80-120		**98.9**	%REC	1	09/03/2024 13:00	227918

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-009 **Client Sample ID:** GW-18S-WG-20240829

Matrix: GROUNDWATER **Collection Date:** 08/29/2024 16:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/09/2024 15:13	227914
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/09/2024 15:13	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/09/2024 15:13	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/09/2024 15:13	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/09/2024 15:13	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/09/2024 15:13	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 15:13	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 15:13	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.0014	0.0020	BJ	**0.0018**	mg/L	1	09/09/2024 15:13	227914
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 15:13	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 15:13	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/09/2024 15:13	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/09/2024 15:13	227914
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/09/2024 15:13	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/09/2024 15:13	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/09/2024 15:13	227914
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	09/09/2024 15:13	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/09/2024 15:13	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/09/2024 15:13	227914
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/09/2024 15:13	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**144.4**	%REC	1	09/09/2024 15:13	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**93.0**	%REC	1	09/09/2024 15:13	227914
Surr: 2-Fluorophenol	*	0	30-130		**121.8**	%REC	1	09/09/2024 15:13	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**96.5**	%REC	1	09/09/2024 15:13	227914
Surr: Phenol-d5	*	0	20.5-122		**93.8**	%REC	1	09/09/2024 15:13	227914
Surr: p-Terphenyl-d14	*	0	44-147		**123.0**	%REC	1	09/09/2024 15:13	227914

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Samples results below the reporting limit are reportable per the TNI Standard

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/04/2024 9:20	227973
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/04/2024 9:20	227973
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/04/2024 9:20	227973
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/04/2024 9:20	227973
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/04/2024 9:20	227973
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/04/2024 9:20	227973
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/04/2024 9:20	227973
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 9:20	227973
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 9:20	227973
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/04/2024 9:20	227973
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.7**	%REC	1	09/04/2024 9:20	227973
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.7**	%REC	1	09/04/2024 9:20	227973
Surr: Dibromofluoromethane	*	0	80-120		**103.2**	%REC	1	09/04/2024 9:20	227973
Surr: Toluene-d8	*	0	80-120		**98.0**	%REC	1	09/04/2024 9:20	227973

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-010 **Client Sample ID:** GW-18D-WG-20240829

Matrix: GROUNDWATER **Collection Date:** 08/29/2024 15:40

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	09/09/2024 14:35	227914
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/09/2024 14:35	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/09/2024 14:35	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/09/2024 14:35	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/09/2024 14:35	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/09/2024 14:35	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 14:35	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 14:35	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.0014	0.0020	BJ	**0.0017**	mg/L	1	09/09/2024 14:35	227914
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 14:35	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 14:35	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/09/2024 14:35	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/09/2024 14:35	227914
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/09/2024 14:35	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/09/2024 14:35	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/09/2024 14:35	227914
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	09/09/2024 14:35	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/09/2024 14:35	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/09/2024 14:35	227914
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/09/2024 14:35	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**143.3**	%REC	1	09/09/2024 14:35	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**107.9**	%REC	1	09/09/2024 14:35	227914
Surr: 2-Fluorophenol	*	0	30-130		**129.3**	%REC	1	09/09/2024 14:35	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**100.2**	%REC	1	09/09/2024 14:35	227914
Surr: Phenol-d5	*	0	20.5-122		**100.8**	%REC	1	09/09/2024 14:35	227914
Surr: p-Terphenyl-d14	*	0	44-147		**117.4**	%REC	1	09/09/2024 14:35	227914

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Samples results below the reporting limit are reportable per the TNI Standard

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/04/2024 9:45	227973
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/04/2024 9:45	227973
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/04/2024 9:45	227973
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/04/2024 9:45	227973
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/04/2024 9:45	227973
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/04/2024 9:45	227973
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/04/2024 9:45	227973
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 9:45	227973
trans-1,2-Dichloroethene	NELAP	0.10	2.0	J	**0.36**	µg/L	1	09/04/2024 9:45	227973
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/04/2024 9:45	227973
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**98.1**	%REC	1	09/04/2024 9:45	227973
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.8**	%REC	1	09/04/2024 9:45	227973
Surr: Dibromofluoromethane	*	0	80-120		**103.4**	%REC	1	09/04/2024 9:45	227973
Surr: Toluene-d8	*	0	80-120		**97.4**	%REC	1	09/04/2024 9:45	227973

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-011 **Client Sample ID:** GW-19S-WG-20240829

Matrix: GROUNDWATER **Collection Date:** 08/29/2024 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100	S	**ND**	mg/L	1	09/10/2024 10:57	227914
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/10/2024 10:57	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/10/2024 10:57	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/10/2024 10:57	227914
Benzo(a)pyrene	NELAP	).000110	0.000200	S	**ND**	mg/L	1	09/10/2024 10:57	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/10/2024 10:57	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/10/2024 10:57	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200	S	**ND**	mg/L	1	09/10/2024 10:57	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	BS	**ND**	mg/L	1	09/10/2024 10:57	227914
Chrysene	NELAP	).000120	0.000200	S	**ND**	mg/L	1	09/10/2024 10:57	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/10/2024 10:57	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/10/2024 10:57	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/10/2024 10:57	227914
Fluorene	NELAP	).000170	0.000200	S	**ND**	mg/L	1	09/10/2024 10:57	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/10/2024 10:57	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/10/2024 10:57	227914
Naphthalene	NELAP	).000160	0.000400	S	**ND**	mg/L	1	09/10/2024 10:57	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/10/2024 10:57	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/10/2024 10:57	227914
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/10/2024 10:57	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161	S	**131.5**	%REC	1	09/10/2024 10:57	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**100.9**	%REC	1	09/10/2024 10:57	227914
Surr: 2-Fluorophenol	*	0	30-130	S	**113.0**	%REC	1	09/10/2024 10:57	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**89.1**	%REC	1	09/10/2024 10:57	227914
Surr: Phenol-d5	*	0	20.5-122		**83.8**	%REC	1	09/10/2024 10:57	227914
Surr: p-Terphenyl-d14	*	0	44-147		**108.5**	%REC	1	09/10/2024 10:57	227914

Surrogate recovery is outside control limits in the matrix spike due to matrix interference.
MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.
Matrix spike did not recover within control limits due to matrix interference.
LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Samples results below the reporting limit are reportable per the TNI Standard
Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/04/2024 10:10	227973
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/04/2024 10:10	227973
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/04/2024 10:10	227973
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/04/2024 10:10	227973
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/04/2024 10:10	227973
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/04/2024 10:10	227973
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/04/2024 10:10	227973
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 10:10	227973
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 10:10	227973
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/04/2024 10:10	227973
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**98.8**	%REC	1	09/04/2024 10:10	227973
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.6**	%REC	1	09/04/2024 10:10	227973
Surr: Dibromofluoromethane	*	0	80-120		**102.7**	%REC	1	09/04/2024 10:10	227973
Surr: Toluene-d8	*	0	80-120		**98.2**	%REC	1	09/04/2024 10:10	227973

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-012 **Client Sample ID:** GW-19D-WG-20240829

Matrix: GROUNDWATER **Collection Date:** 08/29/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.000070	0.000100		**ND**	mg/L	1	09/09/2024 15:50	227914
Acenaphthylene	NELAP	0.000050	0.000100		**ND**	mg/L	1	09/09/2024 15:50	227914
Anthracene	NELAP	0.000200	0.000300		**ND**	mg/L	1	09/09/2024 15:50	227914
Benzo(a)anthracene	NELAP	0.000070	0.000100		**ND**	mg/L	1	09/09/2024 15:50	227914
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	09/09/2024 15:50	227914
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	09/09/2024 15:50	227914
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/09/2024 15:50	227914
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/09/2024 15:50	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	B	**ND**	mg/L	1	09/09/2024 15:50	227914
Chrysene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/09/2024 15:50	227914
Dibenzo(a,h)anthracene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/09/2024 15:50	227914
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	09/09/2024 15:50	227914
Fluoranthene	NELAP	0.000270	0.000300		**ND**	mg/L	1	09/09/2024 15:50	227914
Fluorene	NELAP	0.000170	0.000200		**ND**	mg/L	1	09/09/2024 15:50	227914
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	09/09/2024 15:50	227914
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	09/09/2024 15:50	227914
Naphthalene	NELAP	0.000160	0.000400		**ND**	mg/L	1	09/09/2024 15:50	227914
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	09/09/2024 15:50	227914
Phenanthrene	NELAP	0.000530	0.000600		**ND**	mg/L	1	09/09/2024 15:50	227914
Pyrene	NELAP	0.000180	0.000200		**ND**	mg/L	1	09/09/2024 15:50	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161	S	**182.9**	%REC	1	09/09/2024 15:50	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**90.2**	%REC	1	09/09/2024 15:50	227914
Surr: 2-Fluorophenol	*	0	30-130		**129.6**	%REC	1	09/09/2024 15:50	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**105.4**	%REC	1	09/09/2024 15:50	227914
Surr: Phenol-d5	*	0	20.5-122		**101.3**	%REC	1	09/09/2024 15:50	227914
Surr: p-Terphenyl-d14	*	0	44-147		**125.5**	%REC	1	09/09/2024 15:50	227914

Surrogate recovery is outside control limits due to matrix interference.

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Samples results below the reporting limit are reportable per the TNI Standard

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/04/2024 11:25	227973
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/04/2024 11:25	227973
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/04/2024 11:25	227973
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/04/2024 11:25	227973
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/04/2024 11:25	227973
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/04/2024 11:25	227973
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/04/2024 11:25	227973
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 11:25	227973
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 11:25	227973
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/04/2024 11:25	227973
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.6**	%REC	1	09/04/2024 11:25	227973
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.6**	%REC	1	09/04/2024 11:25	227973
Surr: Dibromofluoromethane	*	0	80-120		**103.7**	%REC	1	09/04/2024 11:25	227973
Surr: Toluene-d8	*	0	80-120		**97.9**	%REC	1	09/04/2024 11:25	227973

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-013 **Client Sample ID:** GW-20-WG-20240829

Matrix: GROUNDWATER **Collection Date:** 08/29/2024 12:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/09/2024 16:28	227914
Acenaphthylene	NELAP	).000050	0.000100		**0.000285**	mg/L	1	09/09/2024 16:28	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/09/2024 16:28	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**0.000203**	mg/L	1	09/09/2024 16:28	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**0.000883**	mg/L	1	09/09/2024 16:28	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**0.000745**	mg/L	1	09/09/2024 16:28	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**0.000992**	mg/L	1	09/09/2024 16:28	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**0.000252**	mg/L	1	09/09/2024 16:28	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	B	**ND**	mg/L	1	09/09/2024 16:28	227914
Chrysene	NELAP	).000120	0.000200		**0.000344**	mg/L	1	09/09/2024 16:28	227914
Dibenzo(a,h)anthracene	NELAP	0.00012	0.00020	J	**0.00013**	mg/L	1	09/09/2024 16:28	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/09/2024 16:28	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/09/2024 16:28	227914
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/09/2024 16:28	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**0.000746**	mg/L	1	09/09/2024 16:28	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/09/2024 16:28	227914
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	09/09/2024 16:28	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/09/2024 16:28	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/09/2024 16:28	227914
Pyrene	NELAP	).000180	0.000200		**0.000428**	mg/L	1	09/09/2024 16:28	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**156.2**	%REC	1	09/09/2024 16:28	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**94.3**	%REC	1	09/09/2024 16:28	227914
Surr: 2-Fluorophenol	*	0	30-130		**112.7**	%REC	1	09/09/2024 16:28	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**93.1**	%REC	1	09/09/2024 16:28	227914
Surr: Phenol-d5	*	0	20.5-122		**86.5**	%REC	1	09/09/2024 16:28	227914
Surr: p-Terphenyl-d14	*	0	44-147		**111.5**	%REC	1	09/09/2024 16:28	227914

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Samples results below the reporting limit are reportable per the TNI Standard

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/04/2024 11:50	227973
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/04/2024 11:50	227973
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/04/2024 11:50	227973
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/04/2024 11:50	227973
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/04/2024 11:50	227973
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/04/2024 11:50	227973
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/04/2024 11:50	227973
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 11:50	227973
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 11:50	227973
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/04/2024 11:50	227973
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.3**	%REC	1	09/04/2024 11:50	227973
Surr: 4-Bromofluorobenzene	*	0	80-120		**97.2**	%REC	1	09/04/2024 11:50	227973
Surr: Dibromofluoromethane	*	0	80-120		**103.6**	%REC	1	09/04/2024 11:50	227973
Surr: Toluene-d8	*	0	80-120		**99.7**	%REC	1	09/04/2024 11:50	227973

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-014 **Client Sample ID:** GW-22S-WG-20240830

Matrix: GROUNDWATER **Collection Date:** 08/30/2024 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	09/09/2024 17:06	227914
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/09/2024 17:06	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/09/2024 17:06	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/09/2024 17:06	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/09/2024 17:06	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/09/2024 17:06	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 17:06	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 17:06	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.0014	0.0020	BJ	**0.0018**	mg/L	1	09/09/2024 17:06	227914
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 17:06	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 17:06	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/09/2024 17:06	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/09/2024 17:06	227914
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/09/2024 17:06	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/09/2024 17:06	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/09/2024 17:06	227914
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	09/09/2024 17:06	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/09/2024 17:06	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/09/2024 17:06	227914
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/09/2024 17:06	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**133.3**	%REC	1	09/09/2024 17:06	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**84.3**	%REC	1	09/09/2024 17:06	227914
Surr: 2-Fluorophenol	*	0	30-130		**126.4**	%REC	1	09/09/2024 17:06	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**94.3**	%REC	1	09/09/2024 17:06	227914
Surr: Phenol-d5	*	0	20.5-122		**102.4**	%REC	1	09/09/2024 17:06	227914
Surr: p-Terphenyl-d14	*	0	44-147		**130.2**	%REC	1	09/09/2024 17:06	227914

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Samples results below the reporting limit are reportable per the TNI Standard

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**0.88**	µg/L	1	09/04/2024 12:15	227973
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/04/2024 12:15	227973
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/04/2024 12:15	227973
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/04/2024 12:15	227973
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/04/2024 12:15	227973
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/04/2024 12:15	227973
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/04/2024 12:15	227973
Toluene	NELAP	0.10	2.0	J	**0.15**	µg/L	1	09/04/2024 12:15	227973
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 12:15	227973
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/04/2024 12:15	227973
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**99.5**	%REC	1	09/04/2024 12:15	227973
Surr: 4-Bromofluorobenzene	*	0	80-120		**97.3**	%REC	1	09/04/2024 12:15	227973
Surr: Dibromofluoromethane	*	0	80-120		**102.8**	%REC	1	09/04/2024 12:15	227973
Surr: Toluene-d8	*	0	80-120		**99.0**	%REC	1	09/04/2024 12:15	227973

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-015 **Client Sample ID:** GW-22D-WG-20240830

Matrix: GROUNDWATER **Collection Date:** 08/30/2024 10:50

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	09/09/2024 17:44	227914
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/09/2024 17:44	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/09/2024 17:44	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/09/2024 17:44	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/09/2024 17:44	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/09/2024 17:44	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 17:44	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 17:44	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	B	**ND**	mg/L	1	09/09/2024 17:44	227914
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 17:44	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 17:44	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/09/2024 17:44	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/09/2024 17:44	227914
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/09/2024 17:44	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/09/2024 17:44	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/09/2024 17:44	227914
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	09/09/2024 17:44	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/09/2024 17:44	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/09/2024 17:44	227914
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/09/2024 17:44	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**159.1**	%REC	1	09/09/2024 17:44	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**83.2**	%REC	1	09/09/2024 17:44	227914
Surr: 2-Fluorophenol	*	0	30-130		**126.5**	%REC	1	09/09/2024 17:44	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**97.5**	%REC	1	09/09/2024 17:44	227914
Surr: Phenol-d5	*	0	20.5-122		**100.9**	%REC	1	09/09/2024 17:44	227914
Surr: p-Terphenyl-d14	*	0	44-147		**122.2**	%REC	1	09/09/2024 17:44	227914

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Samples results below the reporting limit are reportable per the TNI Standard

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/04/2024 12:40	227973
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/04/2024 12:40	227973
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/04/2024 12:40	227973
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/04/2024 12:40	227973
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/04/2024 12:40	227973
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/04/2024 12:40	227973
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/04/2024 12:40	227973
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 12:40	227973
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 12:40	227973
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/04/2024 12:40	227973
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.3**	%REC	1	09/04/2024 12:40	227973
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.2**	%REC	1	09/04/2024 12:40	227973
Surr: Dibromofluoromethane	*	0	80-120		**103.2**	%REC	1	09/04/2024 12:40	227973
Surr: Toluene-d8	*	0	80-120		**98.4**	%REC	1	09/04/2024 12:40	227973

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-016 **Client Sample ID:** DUP-001-WG-20240830

Matrix: GROUNDWATER **Collection Date:** 08/30/2024 0:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.000070	0.000100		**ND**	mg/L	1	09/09/2024 18:21	227914
Acenaphthylene	NELAP	0.000050	0.000100		**ND**	mg/L	1	09/09/2024 18:21	227914
Anthracene	NELAP	0.000200	0.000300		**ND**	mg/L	1	09/09/2024 18:21	227914
Benzo(a)anthracene	NELAP	0.000070	0.00010	J	**0.000074**	mg/L	1	09/09/2024 18:21	227914
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	09/09/2024 18:21	227914
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	09/09/2024 18:21	227914
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/09/2024 18:21	227914
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/09/2024 18:21	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	B	**0.00317**	mg/L	1	09/09/2024 18:21	227914
Chrysene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/09/2024 18:21	227914
Dibenzo(a,h)anthracene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/09/2024 18:21	227914
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	09/09/2024 18:21	227914
Fluoranthene	NELAP	0.000270	0.000300		**ND**	mg/L	1	09/09/2024 18:21	227914
Fluorene	NELAP	0.000170	0.000200		**ND**	mg/L	1	09/09/2024 18:21	227914
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	09/09/2024 18:21	227914
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	09/09/2024 18:21	227914
Naphthalene	NELAP	0.000160	0.000400		**ND**	mg/L	1	09/09/2024 18:21	227914
o-Cresol	NELAP	0.000540	0.0100		**ND**	mg/L	1	09/09/2024 18:21	227914
Phenanthrene	NELAP	0.000530	0.000600		**ND**	mg/L	1	09/09/2024 18:21	227914
Pyrene	NELAP	0.000180	0.000200		**ND**	mg/L	1	09/09/2024 18:21	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**159.2**	%REC	1	09/09/2024 18:21	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**91.2**	%REC	1	09/09/2024 18:21	227914
Surr: 2-Fluorophenol	*	0	30-130		**129.3**	%REC	1	09/09/2024 18:21	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**95.9**	%REC	1	09/09/2024 18:21	227914
Surr: Phenol-d5	*	0	20.5-122		**106.8**	%REC	1	09/09/2024 18:21	227914
Surr: p-Terphenyl-d14	*	0	44-147		**135.4**	%REC	1	09/09/2024 18:21	227914

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Insufficient sample to re-extract.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**0.89**	µg/L	1	09/04/2024 13:04	227973
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/04/2024 13:04	227973
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/04/2024 13:04	227973
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/04/2024 13:04	227973
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/04/2024 13:04	227973
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/04/2024 13:04	227973
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/04/2024 13:04	227973
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 13:04	227973
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 13:04	227973
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/04/2024 13:04	227973
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.5**	%REC	1	09/04/2024 13:04	227973
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.3**	%REC	1	09/04/2024 13:04	227973
Surr: Dibromofluoromethane	*	0	80-120		**102.7**	%REC	1	09/04/2024 13:04	227973
Surr: Toluene-d8	*	0	80-120		**99.7**	%REC	1	09/04/2024 13:04	227973

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-017 **Client Sample ID:** TB-001-WQ-20240830

Matrix: TRIP BLANK **Collection Date:** 08/30/2024 16:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/04/2024 13:29	227973
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/04/2024 13:29	227973
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/04/2024 13:29	227973
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/04/2024 13:29	227973
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/04/2024 13:29	227973
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/04/2024 13:29	227973
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/04/2024 13:29	227973
Toluene	NELAP	0.10	2.0	J	**1.3**	µg/L	1	09/04/2024 13:29	227973
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 13:29	227973
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/04/2024 13:29	227973
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**99.2**	%REC	1	09/04/2024 13:29	227973
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.1**	%REC	1	09/04/2024 13:29	227973
Surr: Dibromofluoromethane	*	0	80-120		**103.7**	%REC	1	09/04/2024 13:29	227973
Surr: Toluene-d8	*	0	80-120		**98.4**	%REC	1	09/04/2024 13:29	227973

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-018 **Client Sample ID:** DUP-002-WG-20240830

Matrix: GROUNDWATER **Collection Date:** 08/30/2024 0:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	0.00350	0.00500		**0.0217**	mg/L	50	09/09/2024 10:11	227972
Acenaphthylene	NELAP	0.0025	0.0050	J	**0.0037**	mg/L	50	09/09/2024 10:11	227972
Anthracene	NELAP	0.000200	0.000300		**0.00201**	mg/L	1	09/10/2024 9:42	227972
Benzo(a)anthracene	NELAP	0.000070	0.000100		**0.000251**	mg/L	1	09/10/2024 9:42	227972
Benzo(a)pyrene	NELAP	0.000110	0.000200		**ND**	mg/L	1	09/10/2024 9:42	227972
Benzo(b)fluoranthene	NELAP	0.000130	0.000200		**ND**	mg/L	1	09/10/2024 9:42	227972
Benzo(g,h,i)perylene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/10/2024 9:42	227972
Benzo(k)fluoranthene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/10/2024 9:42	227972
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200		**0.00470**	mg/L	1	09/10/2024 9:42	227972
Chrysene	NELAP	0.000120	0.000200		**0.000585**	mg/L	1	09/10/2024 9:42	227972
Dibenzo(a,h)anthracene	NELAP	0.000120	0.000200		**ND**	mg/L	1	09/10/2024 9:42	227972
Di-n-butyl phthalate	NELAP	0.000830	0.0100		**ND**	mg/L	1	09/10/2024 9:42	227972
Fluoranthene	NELAP	0.0135	0.0150		**ND**	mg/L	50	09/09/2024 10:11	227972
Fluorene	NELAP	0.00850	0.0100		**0.0955**	mg/L	50	09/09/2024 10:11	227972
Indeno(1,2,3-cd)pyrene	NELAP	0.000160	0.000200		**ND**	mg/L	1	09/10/2024 9:42	227972
m,p-Cresol	NELAP	0.000590	0.0100		**ND**	mg/L	1	09/10/2024 9:42	227972
Naphthalene	NELAP	0.0800	0.200		**1.04**	mg/L	500	09/09/2024 13:46	227972
o-Cresol	NELAP	0.00054	0.010	J	**0.0046**	mg/L	1	09/10/2024 9:42	227972
Phenanthrene	NELAP	0.0265	0.0300		**0.0868**	mg/L	50	09/09/2024 10:11	227972
Pyrene	NELAP	0.000180	0.000200		**0.00444**	mg/L	1	09/10/2024 9:42	227972
Surr: 2,4,6-Tribromophenol	*	0	31.7-161	E	**153.6**	%REC	1	09/10/2024 9:42	227972
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**118.3**	%REC	1	09/10/2024 9:42	227972
Surr: 2-Fluorophenol	*	0	30-130	SE	**135.5**	%REC	1	09/10/2024 9:42	227972
Surr: Nitrobenzene-d5	*	0	40.7-126		**115.8**	%REC	1	09/10/2024 9:42	227972
Surr: Phenol-d5	*	0	20.5-122		**119.2**	%REC	1	09/10/2024 9:42	227972
Surr: p-Terphenyl-d14	*	0	44-147		**140.6**	%REC	1	09/10/2024 9:42	227972

Surrogate recovery is outside control limits and above the upper quantitation limit due to matrix interference.
Surrogate recovery in the LCS/LCSD is outside upper control limits.
Allowable Marginal Exceedance of Naphthalene in the laboratory control sample is verified per the TNI Standard.
Elevated reporting limit due to high levels of target analytes.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	1.00	10.0		**1180**	µg/L	20	09/04/2024 13:55	227973
Bromoform	NELAP	1.80	4.00		**ND**	µg/L	20	09/04/2024 13:55	227973
Ethylbenzene	NELAP	2.00	20.0		**261**	µg/L	20	09/04/2024 13:55	227973
m,p-Xylenes	NELAP	4.40	20.0		**110**	µg/L	20	09/04/2024 13:55	227973
Methylene chloride	NELAP	17.4	40.0		**ND**	µg/L	20	09/04/2024 13:55	227973
Naphthalene	NELAP	11.4	40.0		**1730**	µg/L	20	09/04/2024 13:55	227973
o-Xylene	NELAP	1.00	20.0		**181**	µg/L	20	09/04/2024 13:55	227973
Toluene	NELAP	2.00	40.0		**153**	µg/L	20	09/04/2024 13:55	227973
trans-1,2-Dichloroethene	NELAP	2.00	40.0		**ND**	µg/L	20	09/04/2024 13:55	227973
Xylenes, Total	NELAP	5.60	40.0		**291**	µg/L	20	09/04/2024 13:55	227973
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.9**	%REC	20	09/04/2024 13:55	227973
Surr: 4-Bromofluorobenzene	*	0	80-120		**98.6**	%REC	20	09/04/2024 13:55	227973
Surr: Dibromofluoromethane	*	0	80-120		**103.4**	%REC	20	09/04/2024 13:55	227973
Surr: Toluene-d8	*	0	80-120		**98.6**	%REC	20	09/04/2024 13:55	227973

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

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-019 **Client Sample ID:** GW-25-WG-20240828

Matrix: GROUNDWATER **Collection Date:** 08/28/2024 16:40

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	09/09/2024 10:49	227914
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/09/2024 10:49	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/09/2024 10:49	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/09/2024 10:49	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/09/2024 10:49	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/09/2024 10:49	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 10:49	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 10:49	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.0014	0.0020	BJ	**0.0017**	mg/L	1	09/09/2024 10:49	227914
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 10:49	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 10:49	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/09/2024 10:49	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/09/2024 10:49	227914
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/09/2024 10:49	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/09/2024 10:49	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/09/2024 10:49	227914
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	09/09/2024 10:49	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/09/2024 10:49	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/09/2024 10:49	227914
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/09/2024 10:49	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**146.4**	%REC	1	09/09/2024 10:49	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**90.6**	%REC	1	09/09/2024 10:49	227914
Surr: 2-Fluorophenol	*	0	30-130		**119.1**	%REC	1	09/09/2024 10:49	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**95.6**	%REC	1	09/09/2024 10:49	227914
Surr: Phenol-d5	*	0	20.5-122		**95.7**	%REC	1	09/09/2024 10:49	227914
Surr: p-Terphenyl-d14	*	0	44-147		**119.6**	%REC	1	09/09/2024 10:49	227914

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Samples results below the reporting limit are reportable per the TNI Standard.

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/04/2024 14:20	227973
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/04/2024 14:20	227973
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/04/2024 14:20	227973
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/04/2024 14:20	227973
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/04/2024 14:20	227973
Naphthalene	NELAP	0.57	2.0	J	**0.86**	µg/L	1	09/04/2024 14:20	227973
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/04/2024 14:20	227973
Toluene	NELAP	0.10	2.0	J	**0.18**	µg/L	1	09/04/2024 14:20	227973
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/04/2024 14:20	227973
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/04/2024 14:20	227973
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.9**	%REC	1	09/04/2024 14:20	227973
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.5**	%REC	1	09/04/2024 14:20	227973
Surr: Dibromofluoromethane	*	0	80-120		**103.3**	%REC	1	09/04/2024 14:20	227973
Surr: Toluene-d8	*	0	80-120		**99.1**	%REC	1	09/04/2024 14:20	227973

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-020 **Client Sample ID:** GW-26-WG-20240829

Matrix: GROUNDWATER **Collection Date:** 08/29/2024 17:20

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	09/09/2024 18:59	227914
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/09/2024 18:59	227914
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/09/2024 18:59	227914
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/09/2024 18:59	227914
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/09/2024 18:59	227914
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/09/2024 18:59	227914
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 18:59	227914
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 18:59	227914
Bis(2-ethylhexyl)phthalate	NELAP	0.00143	0.00200	B	**ND**	mg/L	1	09/09/2024 18:59	227914
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 18:59	227914
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/09/2024 18:59	227914
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/09/2024 18:59	227914
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/09/2024 18:59	227914
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/09/2024 18:59	227914
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/09/2024 18:59	227914
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/09/2024 18:59	227914
Naphthalene	NELAP	).000160	0.000400		**ND**	mg/L	1	09/09/2024 18:59	227914
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/09/2024 18:59	227914
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/09/2024 18:59	227914
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/09/2024 18:59	227914
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**129.8**	%REC	1	09/09/2024 18:59	227914
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**81.2**	%REC	1	09/09/2024 18:59	227914
Surr: 2-Fluorophenol	*	0	30-130		**120.6**	%REC	1	09/09/2024 18:59	227914
Surr: Nitrobenzene-d5	*	0	40.7-126		**93.3**	%REC	1	09/09/2024 18:59	227914
Surr: Phenol-d5	*	0	20.5-122		**94.3**	%REC	1	09/09/2024 18:59	227914
Surr: p-Terphenyl-d14	*	0	44-147		**112.6**	%REC	1	09/09/2024 18:59	227914

MBLK and LCSD surrogates are outside of control limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Bis(2-ethylhexyl)phthalate. Samples results below the reporting limit are reportable per the TNI Standard

Contamination present in the MBLK for Bis(2-ethylhexyl)phthalate. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.05	0.50		**ND**	µg/L	1	09/03/2024 18:05	227924
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/03/2024 18:05	227924
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/03/2024 18:05	227924
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/03/2024 18:05	227924
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/03/2024 18:05	227924
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/03/2024 18:05	227924
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/03/2024 18:05	227924
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 18:05	227924
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 18:05	227924
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/03/2024 18:05	227924
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.7**	%REC	1	09/03/2024 18:05	227924
Surr: 4-Bromofluorobenzene	*	0	80-120		**91.3**	%REC	1	09/03/2024 18:05	227924
Surr: Dibromofluoromethane	*	0	80-120		**101.7**	%REC	1	09/03/2024 18:05	227924
Surr: Toluene-d8	*	0	80-120		**100.5**	%REC	1	09/03/2024 18:05	227924

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Lab ID: 24082570-021 **Client Sample ID:** EQB-001-WQ-20240830

Matrix: AQUEOUS **Collection Date:** 08/30/2024 7:30

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	09/10/2024 10:20	227972
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	09/10/2024 10:20	227972
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	09/10/2024 10:20	227972
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	09/10/2024 10:20	227972
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	09/10/2024 10:20	227972
Benzo(b)fluoranthene	NELAP	).000130	0.000200		**ND**	mg/L	1	09/10/2024 10:20	227972
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/10/2024 10:20	227972
Benzo(k)fluoranthene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/10/2024 10:20	227972
Bis(2-ethylhexyl)phthalate	NELAP	0.0014	0.0020	J	**0.0017**	mg/L	1	09/10/2024 10:20	227972
Chrysene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/10/2024 10:20	227972
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	09/10/2024 10:20	227972
Di-n-butyl phthalate	NELAP	).000830	0.0100		**ND**	mg/L	1	09/10/2024 10:20	227972
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	09/10/2024 10:20	227972
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	09/10/2024 10:20	227972
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	09/10/2024 10:20	227972
m,p-Cresol	NELAP	).000590	0.0100		**ND**	mg/L	1	09/10/2024 10:20	227972
Naphthalene	NELAP	).000160	0.000400		**0.00263**	mg/L	1	09/10/2024 10:20	227972
o-Cresol	NELAP	).000540	0.0100		**ND**	mg/L	1	09/10/2024 10:20	227972
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	09/10/2024 10:20	227972
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	09/10/2024 10:20	227972
Surr: 2,4,6-Tribromophenol	*	0	31.7-161		**131.7**	%REC	1	09/10/2024 10:20	227972
Surr: 2-Fluorobiphenyl	*	0	37.7-123		**87.6**	%REC	1	09/10/2024 10:20	227972
Surr: 2-Fluorophenol	*	0	30-130		**127.3**	%REC	1	09/10/2024 10:20	227972
Surr: Nitrobenzene-d5	*	0	40.7-126		**95.3**	%REC	1	09/10/2024 10:20	227972
Surr: Phenol-d5	*	0	20.5-122		**103.0**	%REC	1	09/10/2024 10:20	227972
Surr: p-Terphenyl-d14	*	0	44-147		**118.2**	%REC	1	09/10/2024 10:20	227972

Surrogate recovery in the LCS/LCSD is outside upper control limits.

Allowable Marginal Exceedance of Naphthalene 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	09/03/2024 18:28	227924
Bromoform	NELAP	0.09	0.20		**ND**	µg/L	1	09/03/2024 18:28	227924
Ethylbenzene	NELAP	0.10	1.00		**ND**	µg/L	1	09/03/2024 18:28	227924
m,p-Xylenes	NELAP	0.22	1.00		**ND**	µg/L	1	09/03/2024 18:28	227924
Methylene chloride	NELAP	0.87	2.00		**ND**	µg/L	1	09/03/2024 18:28	227924
Naphthalene	NELAP	0.57	2.00		**ND**	µg/L	1	09/03/2024 18:28	227924
o-Xylene	NELAP	0.05	1.00		**ND**	µg/L	1	09/03/2024 18:28	227924
Toluene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 18:28	227924
trans-1,2-Dichloroethene	NELAP	0.10	2.00		**ND**	µg/L	1	09/03/2024 18:28	227924
Xylenes, Total	NELAP	0.28	2.00		**ND**	µg/L	1	09/03/2024 18:28	227924
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.9**	%REC	1	09/03/2024 18:28	227924
Surr: 4-Bromofluorobenzene	*	0	80-120		**91.7**	%REC	1	09/03/2024 18:28	227924
Surr: Dibromofluoromethane	*	0	80-120		**101.9**	%REC	1	09/03/2024 18:28	227924
Surr: Toluene-d8	*	0	80-120		**100.4**	%REC	1	09/03/2024 18:28	227924

Client: ERM
Work Order: 24082570
Client Project: Ameren Taylorville 3rd Qtr 2024
Report Date: 11-Sep-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24082570-001	GW-04R-WG-20240830	Groundwater	2	08/30/2024 14:20
24082570-002	GW-05-WG-20240829	Groundwater	2	08/29/2024 11:20
24082570-003	GW-07-WG-20240830	Groundwater	2	08/30/2024 9:20
24082570-004	GW-14-WG-20240829	Groundwater	2	08/29/2024 18:50
24082570-005	GW-15-WG-20240830	Groundwater	2	08/30/2024 13:20
24082570-006	GW-16S-WG-20240828	Groundwater	2	08/28/2024 13:40
24082570-007	GW-16D-WG-20240828	Groundwater	2	08/28/2024 15:10
24082570-008	GW-17-WG-20240828	Groundwater	2	08/28/2024 15:45
24082570-009	GW-18S-WG-20240829	Groundwater	2	08/29/2024 16:10
24082570-010	GW-18D-WG-20240829	Groundwater	2	08/29/2024 15:40
24082570-011	GW-19S-WG-20240829	Groundwater	2	08/29/2024 14:10
24082570-012	GW-19D-WG-20240829	Groundwater	2	08/29/2024 13:40
24082570-013	GW-20-WG-20240829	Groundwater	2	08/29/2024 12:10
24082570-014	GW-22S-WG-20240830	Groundwater	2	08/30/2024 11:30
24082570-015	GW-22D-WG-20240830	Groundwater	2	08/30/2024 10:50
24082570-016	DUP-001-WG-20240830	Groundwater	2	08/30/2024 0:01
24082570-017	TB-001-WQ-20240830	Trip Blank	1	08/30/2024 16:30
24082570-018	DUP-002-WG-20240830	Groundwater	2	08/30/2024 0:02
24082570-019	GW-25-WG-20240828	Groundwater	2	08/28/2024 16:40
24082570-020	GW-26-WG-20240829	Groundwater	2	08/29/2024 17:20
24082570-021	EQB-001-WQ-20240830	Aqueous	2	08/30/2024 7:30

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
24082570-001A	GW-04R-WG-20240830	08/30/2024 14:20	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/05/2024 19:48
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 12:42
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 15:06
24082570-001B	GW-04R-WG-20240830	08/30/2024 14:20	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/03/2024 10:06
24082570-002A	GW-05-WG-20240829	08/29/2024 11:20	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/05/2024 20:26
24082570-002B	GW-05-WG-20240829	08/29/2024 11:20	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/03/2024 10:31
24082570-003A	GW-07-WG-20240830	08/30/2024 9:20	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/05/2024 21:04
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 15:46
24082570-003B	GW-07-WG-20240830	08/30/2024 9:20	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/03/2024 10:56
24082570-004A	GW-14-WG-20240829	08/29/2024 18:50	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 13:20
24082570-004B	GW-14-WG-20240829	08/29/2024 18:50	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/03/2024 11:21
24082570-005A	GW-15-WG-20240830	08/30/2024 13:20	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 13:58
24082570-005B	GW-15-WG-20240830	08/30/2024 13:20	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/03/2024 11:46
24082570-006A	GW-16S-WG-20240828	08/28/2024 13:40	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 11:19	09/04/2024 14:36
24082570-006B	GW-16S-WG-20240828	08/28/2024 13:40	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/03/2024 12:11
24082570-007A	GW-16D-WG-20240828	08/28/2024 15:10	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 11:19	09/05/2024 21:41
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 11:19	09/09/2024 11:27
24082570-007B	GW-16D-WG-20240828	08/28/2024 15:10	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/03/2024 12:35
24082570-008A	GW-17-WG-20240828	08/28/2024 15:45	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 11:19	09/05/2024 22:19
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 11:19	09/09/2024 12:04

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
24082570-008B	GW-17-WG-20240828	08/28/2024 15:45	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/03/2024 13:00
24082570-009A	GW-18S-WG-20240829	08/29/2024 16:10	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 15:13
24082570-009B	GW-18S-WG-20240829	08/29/2024 16:10	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/04/2024 9:20
24082570-010A	GW-18D-WG-20240829	08/29/2024 15:40	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 14:35
24082570-010B	GW-18D-WG-20240829	08/29/2024 15:40	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/04/2024 9:45
24082570-011A	GW-19S-WG-20240829	08/29/2024 14:10	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/10/2024 10:57
24082570-011B	GW-19S-WG-20240829	08/29/2024 14:10	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/04/2024 10:10
24082570-012A	GW-19D-WG-20240829	08/29/2024 13:40	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 15:50
24082570-012B	GW-19D-WG-20240829	08/29/2024 13:40	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/04/2024 11:25
24082570-013A	GW-20-WG-20240829	08/29/2024 12:10	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 16:28
24082570-013B	GW-20-WG-20240829	08/29/2024 12:10	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/04/2024 11:50
24082570-014A	GW-22S-WG-20240830	08/30/2024 11:30	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 17:06
24082570-014B	GW-22S-WG-20240830	08/30/2024 11:30	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/04/2024 12:15
24082570-015A	GW-22D-WG-20240830	08/30/2024 10:50	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 17:44
24082570-015B	GW-22D-WG-20240830	08/30/2024 10:50	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/04/2024 12:40
24082570-016A	DUP-001-WG-20240830	08/30/2024 0:01	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 18:21
24082570-016B	DUP-001-WG-20240830	08/30/2024 0:01	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/04/2024 13:04
24082570-017A	TB-001-WQ-20240830	08/30/2024 16:30	08/30/2024 16:30		

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/04/2024 13:29
24082570-018A	DUP-002-WG-20240830	08/30/2024 0:02	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/04/2024 9:45	09/09/2024 10:11
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/04/2024 9:45	09/09/2024 13:46
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/04/2024 9:45	09/10/2024 9:42
24082570-018B	DUP-002-WG-20240830	08/30/2024 0:02	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/04/2024 13:55
24082570-019A	GW-25-WG-20240828	08/28/2024 16:40	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 11:19	09/09/2024 10:49
24082570-019B	GW-25-WG-20240828	08/28/2024 16:40	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/04/2024 14:20
24082570-020A	GW-26-WG-20240829	08/29/2024 17:20	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/03/2024 19:08	09/09/2024 18:59
24082570-020B	GW-26-WG-20240829	08/29/2024 17:20	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/03/2024 18:05
24082570-021A	EQB-001-WQ-20240830	08/30/2024 7:30	08/30/2024 16:30		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/04/2024 9:45	09/10/2024 10:20
24082570-021B	EQB-001-WQ-20240830	08/30/2024 7:30	08/30/2024 16:30		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/03/2024 18:28

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 227914 **SampType:** MBLK Units **mg/L**

SampID: MBLK-227914

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						09/05/2024
Acenaphthylene		0.000100		**ND**						09/05/2024
Anthracene		0.000300		**ND**						09/05/2024
Benzo(a)anthracene		0.000100		**ND**						09/05/2024
Benzo(a)pyrene		0.000200		**ND**						09/05/2024
Benzo(b)fluoranthene		0.000200		**ND**						09/05/2024
Benzo(g,h,i)perylene		0.000200		**ND**						09/05/2024
Benzo(k)fluoranthene		0.000200		**ND**						09/05/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0037**						09/05/2024
Chrysene		0.000200		**ND**						09/05/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						09/05/2024
Di-n-butyl phthalate		0.0100		**ND**						09/05/2024
Fluoranthene		0.000300		**ND**						09/05/2024
Fluorene		0.000200		**ND**						09/05/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						09/05/2024
m,p-Cresol		0.0100		**ND**						09/05/2024
Naphthalene		0.000400		**ND**						09/05/2024
o-Cresol		0.0100		**ND**						09/05/2024
Phenanthrene		0.000600		**ND**						09/05/2024
Pyrene		0.000200		**ND**						09/05/2024
Surr: 2,4,6-Tribromophenol	*		S	**0.00298**	0.0020		148.9	42.5	148	09/05/2024
Surr: 2-Fluorobiphenyl	*			**0.00101**	0.0010		101.3	43.5	126	09/05/2024
Surr: 2-Fluorophenol	*		S	**0.00265**	0.0020		132.5	41.9	127	09/05/2024
Surr: Nitrobenzene-d5	*			**0.000990**	0.0010		99.0	50.2	127	09/05/2024
Surr: Phenol-d5	*		S	**0.00244**	0.0020		121.8	36.3	120	09/05/2024
Surr: p-Terphenyl-d14	*			**0.00131**	0.0010		130.8	55	150	09/05/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 227914 **SampType:** LCS Units **mg/L**

SampID: LCS-227914

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00178**	0.0020	0	88.9	54.5	105	09/05/2024
Acenaphthylene		0.000100		**0.00176**	0.0020	0	88.0	54.2	113	09/05/2024
Anthracene		0.000300		**0.00177**	0.0020	0	88.6	54.3	113	09/05/2024
Benzo(a)anthracene		0.000100		**0.00192**	0.0020	0	95.9	48.3	124	09/05/2024
Benzo(a)pyrene		0.000200		**0.00193**	0.0020	0	96.7	59.8	124	09/05/2024
Benzo(b)fluoranthene		0.000200		**0.00198**	0.0020	0	98.9	46	139	09/05/2024
Benzo(g,h,i)perylene		0.000200		**0.00193**	0.0020	0	96.7	51.3	134	09/05/2024
Benzo(k)fluoranthene		0.000200		**0.00185**	0.0020	0	92.7	50.7	124	09/05/2024
Bis(2-ethylhexyl)phthalate		0.00600	BJSE	**0.0053**	0.0020	0	266.8	55.3	191	09/05/2024
Chrysene		0.000200		**0.00201**	0.0020	0	100.5	49.3	123	09/05/2024
Dibenzo(a,h)anthracene		0.000200		**0.00214**	0.0020	0	106.9	53.1	133	09/05/2024
Di-n-butyl phthalate		0.0100	J	**0.0025**	0.0020	0	123.2	62.3	137	09/05/2024
Fluoranthene		0.000300		**0.00199**	0.0020	0	99.3	58.1	121	09/05/2024
Fluorene		0.000200		**0.00187**	0.0020	0	93.6	57	113	09/05/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00221**	0.0020	0	110.5	56	135	09/05/2024
m,p-Cresol		0.0100		**0.0145**	0.0200	0	72.6	59.8	105	09/05/2024
Naphthalene		0.000400		**0.00182**	0.0020	0	91.0	54	102	09/05/2024
o-Cresol		0.0100		**0.0155**	0.0200	0	77.4	58	104	09/05/2024
Phenanthrene		0.000600		**0.00203**	0.0020	0	101.4	57.1	119	09/05/2024
Pyrene		0.000200		**0.00186**	0.0020	0	93.1	51.1	119	09/05/2024
Surr: 2,4,6-Tribromophenol	*			**0.00245**	0.0020		122.4	42.5	148	09/05/2024
Surr: 2-Fluorobiphenyl	*			**0.000945**	0.0010		94.5	43.5	126	09/05/2024
Surr: 2-Fluorophenol	*			**0.00228**	0.0020		113.8	41.9	127	09/05/2024
Surr: Nitrobenzene-d5	*			**0.000922**	0.0010		92.2	50.2	127	09/05/2024
Surr: Phenol-d5	*			**0.00204**	0.0020		102.2	36.3	120	09/05/2024
Surr: p-Terphenyl-d14	*			**0.00111**	0.0010		110.9	55	150	09/05/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch **227914** **SampType:** **LCSD** Units **mg/L** RPD Limit **34.5**

SampID: LCSD-227914

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00200**	0.0020	0	99.8	0.001778	11.54	09/05/2024
Acenaphthylene		0.000100		**0.00198**	0.0020	0	98.9	0.001760	11.68	09/05/2024
Anthracene		0.000300		**0.00202**	0.0020	0	100.9	0.001772	13.02	09/05/2024
Benzo(a)anthracene		0.000100		**0.00212**	0.0020	0	105.9	0.001918	9.95	09/05/2024
Benzo(a)pyrene		0.000200		**0.00215**	0.0020	0	107.7	0.001934	10.73	09/05/2024
Benzo(b)fluoranthene		0.000200		**0.00222**	0.0020	0	110.8	0.001978	11.36	09/05/2024
Benzo(g,h,i)perylene		0.000200		**0.00212**	0.0020	0	106.2	0.001934	9.32	09/05/2024
Benzo(k)fluoranthene		0.000200		**0.00208**	0.0020	0	103.9	0.001855	11.37	09/05/2024
Bis(2-ethylhexyl)phthalate		0.00600	BJ	**0.0036**	0.0020	0	179.9	0.005336	0.00	09/05/2024
Chrysene		0.000200		**0.00203**	0.0020	0	101.7	0.002011	1.18	09/05/2024
Dibenzo(a,h)anthracene		0.000200		**0.00232**	0.0020	0	116.2	0.002138	8.35	09/05/2024
Di-n-butyl phthalate		0.0100	J	**0.0026**	0.0020	0	130.6	0.002465	0.00	09/05/2024
Fluoranthene		0.000300		**0.00226**	0.0020	0	113.1	0.001986	12.97	09/05/2024
Fluorene		0.000200		**0.00208**	0.0020	0	104.2	0.001872	10.75	09/05/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00237**	0.0020	0	118.7	0.002210	7.13	09/05/2024
m,p-Cresol		0.0100		**0.0167**	0.0200	0	83.4	0.01451	13.84	09/05/2024
Naphthalene		0.000400		**0.00204**	0.0020	0	101.8	0.001819	11.24	09/05/2024
o-Cresol		0.0100		**0.0175**	0.0200	0	87.3	0.01547	12.07	09/05/2024
Phenanthrene		0.000600		**0.00228**	0.0020	0	114.0	0.002029	11.66	09/05/2024
Pyrene		0.000200		**0.00213**	0.0020	0	106.3	0.001862	13.28	09/05/2024
Surr: 2,4,6-Tribromophenol	*			**0.00267**	0.0020		133.5			09/05/2024
Surr: 2-Fluorobiphenyl	*			**0.00103**	0.0010		102.5			09/05/2024
Surr: 2-Fluorophenol	*		S	**0.00256**	0.0020		128.0			09/05/2024
Surr: Nitrobenzene-d5	*			**0.000998**	0.0010		99.8			09/05/2024
Surr: Phenol-d5	*		S	**0.00242**	0.0020		121.2			09/05/2024
Surr: p-Terphenyl-d14	*			**0.00118**	0.0010		118.0			09/05/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 227914 **SampType:** MS Units **mg/L**

SampID: 24082570-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100	S	**0.00208**	0.0020	0	103.8	62.7	99	09/10/2024
Acenaphthylene		0.000100		**0.00211**	0.0020	0	105.6	65.3	112	09/10/2024
Anthracene		0.000300		**0.00209**	0.0020	0	104.5	58.5	108	09/10/2024
Benzo(a)anthracene		0.000100		**0.00212**	0.0020	0	106.1	64	108	09/10/2024
Benzo(a)pyrene		0.000200	S	**0.00241**	0.0020	0	120.5	58.5	117	09/10/2024
Benzo(b)fluoranthene		0.000200		**0.00201**	0.0020	0	100.3	58	125	09/10/2024
Benzo(g,h,i)perylene		0.000200		**0.00191**	0.0020	0	95.3	62.2	120	09/10/2024
Benzo(k)fluoranthene		0.000200	S	**0.00238**	0.0020	0	118.9	61.3	111	09/10/2024
Bis(2-ethylhexyl)phthalate		0.00600	BJS	**0.0035**	0.0020	0	177.2	80.2	167	09/10/2024
Chrysene		0.000200	S	**0.00241**	0.0020	0	120.6	57.1	113	09/10/2024
Dibenzo(a,h)anthracene		0.000200		**0.00220**	0.0020	0	109.8	62.4	136	09/10/2024
Di-n-butyl phthalate		0.0100	J	**0.0024**	0.0020	0	121.7	70.4	123	09/10/2024
Fluoranthene		0.000300		**0.00224**	0.0020	0	111.8	61.7	113	09/10/2024
Fluorene		0.000200	S	**0.00216**	0.0020	0	108.0	59.7	107	09/10/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00238**	0.0020	0	119.2	63.8	130	09/10/2024
m,p-Cresol		0.0100		**0.0169**	0.0200	0	84.4	60	109	09/10/2024
Naphthalene		0.000400	S	**0.00216**	0.0020	0	108.1	60.6	101	09/10/2024
o-Cresol		0.0100		**0.0177**	0.0200	0	88.4	57.4	108	09/10/2024
Phenanthrene		0.000600		**0.00218**	0.0020	0	109.2	57.9	117	09/10/2024
Pyrene		0.000200		**0.00208**	0.0020	0	104.2	53.7	107	09/10/2024
Surr: 2,4,6-Tribromophenol	*		S	**0.00345**	0.0020		172.6	31.7	161	09/10/2024
Surr: 2-Fluorobiphenyl	*			**0.00103**	0.0010		102.7	37.7	123	09/10/2024
Surr: 2-Fluorophenol	*		S	**0.00280**	0.0020		139.8	30	130	09/10/2024
Surr: Nitrobenzene-d5	*			**0.00104**	0.0010		104.3	40.7	126	09/10/2024
Surr: Phenol-d5	*			**0.00243**	0.0020		121.5	20.5	122	09/10/2024
Surr: p-Terphenyl-d14	*			**0.00131**	0.0010		131.1	44	147	09/10/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch **227914** **SampType:** **MSD** Units **mg/L** RPD Limit **18.6**

SampID: 24082570-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00187**	0.0020	0	93.3	0.002076	10.70	09/10/2024
Acenaphthylene		0.000100		**0.00186**	0.0020	0	93.2	0.002112	12.52	09/10/2024
Anthracene		0.000300		**0.00187**	0.0020	0	93.3	0.002091	11.37	09/10/2024
Benzo(a)anthracene		0.000100		**0.00192**	0.0020	0	95.8	0.002123	10.29	09/10/2024
Benzo(a)pyrene		0.000200		**0.00213**	0.0020	0	106.3	0.002410	12.56	09/10/2024
Benzo(b)fluoranthene		0.000200		**0.00182**	0.0020	0	91.1	0.002006	9.62	09/10/2024
Benzo(g,h,i)perylene		0.000200		**0.00171**	0.0020	0	85.6	0.001907	10.81	09/10/2024
Benzo(k)fluoranthene		0.000200		**0.00204**	0.0020	0	102.1	0.002378	15.18	09/10/2024
Bis(2-ethylhexyl)phthalate		0.00600	BJS	**0.0035**	0.0020	0	174.5	0.003544	0.00	09/10/2024
Chrysene		0.000200		**0.00217**	0.0020	0	108.6	0.002411	10.43	09/10/2024
Dibenzo(a,h)anthracene		0.000200		**0.00194**	0.0020	0	97.1	0.002196	12.22	09/10/2024
Di-n-butyl phthalate		0.0100	J	**0.0022**	0.0020	0	108.8	0.002435	0.00	09/10/2024
Fluoranthene		0.000300		**0.00200**	0.0020	0	100.2	0.002235	10.86	09/10/2024
Fluorene		0.000200		**0.00195**	0.0020	0	97.4	0.002160	10.37	09/10/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00212**	0.0020	0	105.9	0.002384	11.83	09/10/2024
m,p-Cresol		0.0100		**0.0150**	0.0200	0	75.0	0.01688	11.86	09/10/2024
Naphthalene		0.000400		**0.00190**	0.0020	0	95.2	0.002162	12.71	09/10/2024
o-Cresol		0.0100		**0.0159**	0.0200	0	79.3	0.01768	10.91	09/10/2024
Phenanthrene		0.000600		**0.00196**	0.0020	0	97.9	0.002184	10.86	09/10/2024
Pyrene		0.000200		**0.00189**	0.0020	0	94.5	0.002084	9.75	09/10/2024
Surr: 2,4,6-Tribromophenol	*			**0.00282**	0.0020		141.1			09/10/2024
Surr: 2-Fluorobiphenyl	*			**0.000912**	0.0010		91.2			09/10/2024
Surr: 2-Fluorophenol	*			**0.00242**	0.0020		121.0			09/10/2024
Surr: Nitrobenzene-d5	*			**0.000944**	0.0010		94.4			09/10/2024
Surr: Phenol-d5	*			**0.00214**	0.0020		107.2			09/10/2024
Surr: p-Terphenyl-d14	*			**0.00110**	0.0010		110.2			09/10/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 227972 **SampType:** MBLK Units **mg/L**

SampID: MBLK-227972

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						09/05/2024
Acenaphthylene		0.000100		**ND**						09/05/2024
Anthracene		0.000300		**ND**						09/05/2024
Benzo(a)anthracene		0.000100		**ND**						09/05/2024
Benzo(a)pyrene		0.000200		**ND**						09/05/2024
Benzo(b)fluoranthene		0.000200		**ND**						09/05/2024
Benzo(g,h,i)perylene		0.000200		**ND**						09/05/2024
Benzo(k)fluoranthene		0.000200		**ND**						09/05/2024
Bis(2-ethylhexyl)phthalate		0.00600		**ND**						09/05/2024
Chrysene		0.000200		**ND**						09/05/2024
Dibenzo(a,h)anthracene		0.000200		**ND**						09/05/2024
Di-n-butyl phthalate		0.0100		**ND**						09/05/2024
Fluoranthene		0.000300		**ND**						09/05/2024
Fluorene		0.000200		**ND**						09/05/2024
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						09/05/2024
m,p-Cresol		0.0100		**ND**						09/05/2024
Naphthalene		0.000400		**ND**						09/05/2024
o-Cresol		0.0100		**ND**						09/05/2024
Phenanthrene		0.000600		**ND**						09/05/2024
Pyrene		0.000200		**ND**						09/05/2024
Surr: 2,4,6-Tribromophenol	*			**0.00235**	0.0020		117.5	42.5	148	09/05/2024
Surr: 2-Fluorobiphenyl	*			**0.000821**	0.0010		82.1	43.5	126	09/05/2024
Surr: 2-Fluorophenol	*			**0.00238**	0.0020		119.1	41.9	127	09/05/2024
Surr: Nitrobenzene-d5	*			**0.000882**	0.0010		88.2	50.2	127	09/05/2024
Surr: Phenol-d5	*			**0.00190**	0.0020		95.1	36.3	120	09/05/2024
Surr: p-Terphenyl-d14	*			**0.00106**	0.0010		106.1	55	150	09/05/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 227972 **SampType:** LCS Units **mg/L**

SampID: LCS-227972

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00209**	0.0020	0	104.6	54.5	105	09/05/2024
Acenaphthylene		0.000100		**0.00207**	0.0020	0	103.6	54.2	113	09/05/2024
Anthracene		0.000300		**0.00206**	0.0020	0	102.8	54.3	113	09/05/2024
Benzo(a)anthracene		0.000100		**0.00216**	0.0020	0	108.1	48.3	124	09/05/2024
Benzo(a)pyrene		0.000200		**0.00217**	0.0020	0	108.5	59.8	124	09/05/2024
Benzo(b)fluoranthene		0.000200		**0.00217**	0.0020	0	108.3	46	139	09/05/2024
Benzo(g,h,i)perylene		0.000200		**0.00215**	0.0020	0	107.3	51.3	134	09/05/2024
Benzo(k)fluoranthene		0.000200		**0.00215**	0.0020	0	107.6	50.7	124	09/05/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0031**	0.0020	0	153.0	55.3	191	09/05/2024
Chrysene		0.000200		**0.00204**	0.0020	0	101.9	49.3	123	09/05/2024
Dibenzo(a,h)anthracene		0.000200		**0.00236**	0.0020	0	118.0	53.1	133	09/05/2024
Di-n-butyl phthalate		0.0100	J	**0.0024**	0.0020	0	120.6	62.3	137	09/05/2024
Fluoranthene		0.000300		**0.00220**	0.0020	0	110.0	58.1	121	09/05/2024
Fluorene		0.000200		**0.00217**	0.0020	0	108.4	57	113	09/05/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00234**	0.0020	0	116.8	56	135	09/05/2024
m,p-Cresol		0.0100		**0.0170**	0.0200	0	84.8	59.8	105	09/05/2024
Naphthalene		0.000400	S	**0.00216**	0.0020	0	108.1	54	102	09/05/2024
o-Cresol		0.0100		**0.0176**	0.0200	0	88.2	58	104	09/05/2024
Phenanthrene		0.000600		**0.00225**	0.0020	0	112.4	57.1	119	09/05/2024
Pyrene		0.000200		**0.00211**	0.0020	0	105.7	51.1	119	09/05/2024
Surr: 2,4,6-Tribromophenol	*			**0.00259**	0.0020		129.7	42.5	148	09/05/2024
Surr: 2-Fluorobiphenyl	*			**0.00102**	0.0010		102.0	43.5	126	09/05/2024
Surr: 2-Fluorophenol	*		S	**0.00258**	0.0020		128.8	41.9	127	09/05/2024
Surr: Nitrobenzene-d5	*			**0.000983**	0.0010		98.3	50.2	127	09/05/2024
Surr: Phenol-d5	*			**0.00231**	0.0020		115.4	36.3	120	09/05/2024
Surr: p-Terphenyl-d14	*			**0.00114**	0.0010		113.8	55	150	09/05/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch **227972** **SampType:** **LCSD** Units **mg/L** RPD Limit **34.5**

SampID: LCSD-227972

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00210**	0.0020	0	104.8	0.002092	0.19	09/05/2024
Acenaphthylene		0.000100		**0.00211**	0.0020	0	105.6	0.002072	1.89	09/05/2024
Anthracene		0.000300		**0.00215**	0.0020	0	107.4	0.002056	4.37	09/05/2024
Benzo(a)anthracene		0.000100		**0.00222**	0.0020	0	111.2	0.002163	2.75	09/05/2024
Benzo(a)pyrene		0.000200		**0.00222**	0.0020	0	110.9	0.002170	2.18	09/05/2024
Benzo(b)fluoranthene		0.000200		**0.00218**	0.0020	0	108.9	0.002166	0.50	09/05/2024
Benzo(g,h,i)perylene		0.000200		**0.00215**	0.0020	0	107.6	0.002147	0.22	09/05/2024
Benzo(k)fluoranthene		0.000200		**0.00218**	0.0020	0	109.0	0.002152	1.28	09/05/2024
Bis(2-ethylhexyl)phthalate		0.00600	J	**0.0035**	0.0020	0	176.6	0.003060	0.00	09/05/2024
Chrysene		0.000200		**0.00211**	0.0020	0	105.5	0.002039	3.46	09/05/2024
Dibenzo(a,h)anthracene		0.000200		**0.00238**	0.0020	0	119.0	0.002360	0.81	09/05/2024
Di-n-butyl phthalate		0.0100	J	**0.0025**	0.0020	0	123.4	0.002412	0.00	09/05/2024
Fluoranthene		0.000300		**0.00229**	0.0020	0	114.5	0.002200	4.05	09/05/2024
Fluorene		0.000200		**0.00217**	0.0020	0	108.7	0.002168	0.26	09/05/2024
Indeno(1,2,3-cd)pyrene		0.000200		**0.00236**	0.0020	0	118.2	0.002336	1.20	09/05/2024
m,p-Cresol		0.0100		**0.0176**	0.0200	0	88.1	0.01696	3.80	09/05/2024
Naphthalene		0.000400	S	**0.00219**	0.0020	0	109.5	0.002162	1.24	09/05/2024
o-Cresol		0.0100		**0.0183**	0.0200	0	91.5	0.01764	3.69	09/05/2024
Phenanthrene		0.000600		**0.00231**	0.0020	0	115.7	0.002248	2.85	09/05/2024
Pyrene		0.000200		**0.00218**	0.0020	0	109.0	0.002113	3.10	09/05/2024
Surr: 2,4,6-Tribromophenol	*			**0.00251**	0.0020		125.7			09/05/2024
Surr: 2-Fluorobiphenyl	*			**0.000977**	0.0010		97.7			09/05/2024
Surr: 2-Fluorophenol	*		S	**0.00257**	0.0020		128.4			09/05/2024
Surr: Nitrobenzene-d5	*			**0.000962**	0.0010		96.2			09/05/2024
Surr: Phenol-d5	*			**0.00234**	0.0020		116.8			09/05/2024
Surr: p-Terphenyl-d14	*			**0.00113**	0.0010		113.2			09/05/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 227918 **SampType:** MBLK Units µg/L

SampID: MBLK-AM240903A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						09/03/2024
Bromoform		2.0		**ND**						09/03/2024
Ethylbenzene		2.0		**ND**						09/03/2024
m,p-Xylenes		2.0		**ND**						09/03/2024
Methylene chloride		2.0		**ND**						09/03/2024
Naphthalene		5.0		**ND**						09/03/2024
o-Xylene		2.0		**ND**						09/03/2024
Toluene		2.0		**ND**						09/03/2024
trans-1,2-Dichloroethene		2.0		**ND**						09/03/2024
Xylenes, Total		4.0		**ND**						09/03/2024
Surr: 1,2-Dichloroethane-d4	*			**48.0**	50.00		96.0	80	120	09/03/2024
Surr: 4-Bromofluorobenzene	*			**47.2**	50.00		94.4	80	120	09/03/2024
Surr: Dibromofluoromethane	*			**50.3**	50.00		100.6	80	120	09/03/2024
Surr: Toluene-d8	*			**49.3**	50.00		98.6	80	120	09/03/2024

Batch 227918 **SampType:** LCS Units µg/L

SampID: LCS-AM240903A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**51.8**	50.00	0	103.5	81.6	120	09/03/2024
Bromoform		2.0		**54.3**	50.00	0	108.5	81.5	118	09/03/2024
Ethylbenzene		2.0		**52.3**	50.00	0	104.6	82.4	116	09/03/2024
m,p-Xylenes		2.0		**105**	100.0	0	104.5	82.5	117	09/03/2024
Methylene chloride		2.0		**48.3**	50.00	0	96.6	75.3	122	09/03/2024
Naphthalene		5.0		**49.0**	50.00	0	97.9	71	126	09/03/2024
o-Xylene		2.0		**52.4**	50.00	0	104.9	83	114	09/03/2024
Toluene		2.0		**52.7**	50.00	0	105.3	82.3	113	09/03/2024
trans-1,2-Dichloroethene		2.0		**50.2**	50.00	0	100.3	79.9	124	09/03/2024
Xylenes, Total		4.0		**157**	150.0	0	104.7	82.7	116	09/03/2024
Surr: 1,2-Dichloroethane-d4	*			**45.4**	50.00		90.8	80	120	09/03/2024
Surr: 4-Bromofluorobenzene	*			**47.7**	50.00		95.3	80	120	09/03/2024
Surr: Dibromofluoromethane	*			**49.5**	50.00		99.0	80	120	09/03/2024
Surr: Toluene-d8	*			**49.7**	50.00		99.4	80	120	09/03/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 227918 **SampType:** LCSD Units µg/L RPD Limit 20

SampID: LCSD-AM240903A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**51.2**	50.00	0	102.3	51.76	1.19	09/03/2024
Bromoform		2.0		**53.2**	50.00	0	106.5	54.26	1.92	09/03/2024
Ethylbenzene		2.0		**51.7**	50.00	0	103.5	52.28	1.04	09/03/2024
m,p-Xylenes		2.0		**103**	100.0	0	103.0	104.5	1.48	09/03/2024
Methylene chloride		2.0		**48.1**	50.00	0	96.3	48.31	0.35	09/03/2024
Naphthalene		5.0		**48.3**	50.00	0	96.6	48.95	1.36	09/03/2024
o-Xylene		2.0		**51.7**	50.00	0	103.3	52.44	1.50	09/03/2024
Toluene		2.0		**51.7**	50.00	0	103.4	52.67	1.86	09/03/2024
trans-1,2-Dichloroethene		2.0		**50.1**	50.00	0	100.1	50.17	0.20	09/03/2024
Xylenes, Total		4.0		**155**	150.0	0	103.1	157.0	1.49	09/03/2024
Surr: 1,2-Dichloroethane-d4	*			**46.6**	50.00		93.1			09/03/2024
Surr: 4-Bromofluorobenzene	*			**47.9**	50.00		95.8			09/03/2024
Surr: Dibromofluoromethane	*			**50.1**	50.00		100.2			09/03/2024
Surr: Toluene-d8	*			**49.6**	50.00		99.3			09/03/2024

Batch 227924 **SampType:** MBLK Units µg/L

SampID: MBLK-AK240903A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						09/03/2024
Bromoform		2.0		**ND**						09/03/2024
Ethylbenzene		2.0		**ND**						09/03/2024
m,p-Xylenes		2.0		**ND**						09/03/2024
Methylene chloride		2.0		**ND**						09/03/2024
Naphthalene		5.0		**ND**						09/03/2024
o-Xylene		2.0		**ND**						09/03/2024
Toluene		2.0		**ND**						09/03/2024
trans-1,2-Dichloroethene		2.0		**ND**						09/03/2024
Xylenes, Total		4.0		**ND**						09/03/2024
Surr: 1,2-Dichloroethane-d4	*			**52.2**	50.00		104.4	80	120	09/03/2024
Surr: 4-Bromofluorobenzene	*			**48.1**	50.00		96.3	80	120	09/03/2024
Surr: Dibromofluoromethane	*			**51.3**	50.00		102.6	80	120	09/03/2024
Surr: Toluene-d8	*			**50.4**	50.00		100.7	80	120	09/03/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 227924 **SampType:** LCS Units µg/L

SampID: LCS-AK240903A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**48.5**	50.00	0	96.9	81.6	120	09/03/2024
Bromoform		2.0		**58.4**	50.00	0	116.8	81.5	118	09/03/2024
Ethylbenzene		2.0		**50.7**	50.00	0	101.4	82.4	116	09/03/2024
m,p-Xylenes		2.0		**101**	100.0	0	101.1	82.5	117	09/03/2024
Methylene chloride		2.0		**45.3**	50.00	0	90.5	75.3	122	09/03/2024
Naphthalene		5.0		**44.3**	50.00	0	88.6	71	126	09/03/2024
o-Xylene		2.0		**51.2**	50.00	0	102.5	83	114	09/03/2024
Toluene		2.0		**50.2**	50.00	0	100.5	82.3	113	09/03/2024
trans-1,2-Dichloroethene		2.0		**50.4**	50.00	0	100.8	79.9	124	09/03/2024
Xylenes, Total		4.0		**152**	150.0	0	101.6	82.7	116	09/03/2024
Surr: 1,2-Dichloroethane-d4	*			**52.2**	50.00		104.4	80	120	09/03/2024
Surr: 4-Bromofluorobenzene	*			**47.1**	50.00		94.2	80	120	09/03/2024
Surr: Dibromofluoromethane	*			**50.6**	50.00		101.1	80	120	09/03/2024
Surr: Toluene-d8	*			**50.3**	50.00		100.7	80	120	09/03/2024

Batch 227924 **SampType:** LCSD Units µg/L RPD Limit **20**

SampID: LCSD-AK240903A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**48.8**	50.00	0	97.7	48.46	0.76	09/03/2024
Bromoform		2.0		**58.4**	50.00	0	116.8	58.38	0.02	09/03/2024
Ethylbenzene		2.0		**51.5**	50.00	0	103.0	50.72	1.55	09/03/2024
m,p-Xylenes		2.0		**103**	100.0	0	102.6	101.1	1.41	09/03/2024
Methylene chloride		2.0		**45.8**	50.00	0	91.6	45.26	1.23	09/03/2024
Naphthalene		5.0		**44.8**	50.00	0	89.6	44.31	1.14	09/03/2024
o-Xylene		2.0		**51.3**	50.00	0	102.5	51.24	0.04	09/03/2024
Toluene		2.0		**50.5**	50.00	0	101.1	50.24	0.58	09/03/2024
trans-1,2-Dichloroethene		2.0		**50.9**	50.00	0	101.7	50.38	0.97	09/03/2024
Xylenes, Total		4.0		**154**	150.0	0	102.6	152.4	0.95	09/03/2024
Surr: 1,2-Dichloroethane-d4	*			**51.7**	50.00		103.4			09/03/2024
Surr: 4-Bromofluorobenzene	*			**46.7**	50.00		93.4			09/03/2024
Surr: Dibromofluoromethane	*			**51.2**	50.00		102.4			09/03/2024
Surr: Toluene-d8	*			**50.2**	50.00		100.5			09/03/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 227924 **SampType:** LCS Units µg/L

SampID: QCS-AK240903A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**48.5**	50.00	0	96.9	65	135	09/03/2024
Bromoform		2.0		**58.4**	50.00	0	116.8	70	130	09/03/2024
Ethylbenzene		2.0		**50.7**	50.00	0	101.4	60	140	09/03/2024
m,p-Xylenes		2.0		**101**	100.0	0	101.1	60	140	09/03/2024
Methylene chloride		2.0		**45.3**	50.00	0	90.5	60	140	09/03/2024
Naphthalene		5.0		**44.3**	50.00	0	88.6	60	140	09/03/2024
o-Xylene	*	2.0		**51.2**	50.00	0	102.5	60	140	09/03/2024
Toluene		2.0		**50.2**	50.00	0	100.5	70	130	09/03/2024
trans-1,2-Dichloroethene		2.0		**50.4**	50.00	0	100.8	70	130	09/03/2024
Xylenes, Total		4.0		**152**	150.0	0	101.6	60	140	09/03/2024
Surr: 1,2-Dichloroethane-d4	*			**52.2**	50.00		104.4	80	120	09/03/2024
Surr: 4-Bromofluorobenzene	*			**47.1**	50.00		94.2	80	120	09/03/2024
Surr: Dibromofluoromethane	*			**50.6**	50.00		101.1	80	120	09/03/2024
Surr: Toluene-d8	*			**50.3**	50.00		100.7	80	120	09/03/2024

Batch 227924 **SampType:** LCSD Units µg/L RPD Limit **40**

SampID: QCSD-AK240903A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**48.8**	50.00	0	97.7	48.46	0.76	09/03/2024
Bromoform		2.0		**58.4**	50.00	0	116.8	58.38	0.02	09/03/2024
Ethylbenzene		2.0		**51.5**	50.00	0	103.0	50.72	1.55	09/03/2024
m,p-Xylenes		2.0		**103**	100.0	0	102.6	101.1	1.41	09/03/2024
Methylene chloride		2.0		**45.8**	50.00	0	91.6	45.26	1.23	09/03/2024
Naphthalene		5.0		**44.8**	50.00	0	89.6	44.31	1.14	09/03/2024
o-Xylene	*	2.0		**51.3**	50.00	0	102.5	51.24	0.04	09/03/2024
Toluene		2.0		**50.5**	50.00	0	101.1	50.24	0.58	09/03/2024
trans-1,2-Dichloroethene		2.0		**50.9**	50.00	0	101.7	50.38	0.97	09/03/2024
Xylenes, Total		4.0		**154**	150.0	0	102.6	152.4	0.95	09/03/2024
Surr: 1,2-Dichloroethane-d4	*			**51.7**	50.00		103.4			09/03/2024
Surr: 4-Bromofluorobenzene	*			**46.7**	50.00		93.4			09/03/2024
Surr: Dibromofluoromethane	*			**51.2**	50.00		102.4			09/03/2024
Surr: Toluene-d8	*			**50.2**	50.00		100.5			09/03/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 227973 **SampType:** MBLK Units µg/L

SampID: MBLK-AM240904A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						09/04/2024
Bromoform		2.0		**ND**						09/04/2024
Ethylbenzene		2.0		**ND**						09/04/2024
m,p-Xylenes		2.0		**ND**						09/04/2024
Methylene chloride		2.0		**ND**						09/04/2024
Naphthalene		5.0		**ND**						09/04/2024
o-Xylene		2.0		**ND**						09/04/2024
Toluene		2.0		**ND**						09/04/2024
trans-1,2-Dichloroethene		2.0		**ND**						09/04/2024
Xylenes, Total		4.0		**ND**						09/04/2024
Surr: 1,2-Dichloroethane-d4	*			**50.1**	50.00		100.1	80	120	09/04/2024
Surr: 4-Bromofluorobenzene	*			**48.6**	50.00		97.1	80	120	09/04/2024
Surr: Dibromofluoromethane	*			**51.6**	50.00		103.2	80	120	09/04/2024
Surr: Toluene-d8	*			**49.3**	50.00		98.6	80	120	09/04/2024

Batch 227973 **SampType:** LCS Units µg/L

SampID: LCS-AM240904A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**54.8**	50.00	0	109.7	81.6	120	09/04/2024
Bromoform		2.0		**53.8**	50.00	0	107.7	81.5	118	09/04/2024
Ethylbenzene		2.0		**55.3**	50.00	0	110.5	82.4	116	09/04/2024
m,p-Xylenes		2.0		**110**	100.0	0	110.2	82.5	117	09/04/2024
Methylene chloride		2.0		**51.4**	50.00	0	102.9	75.3	122	09/04/2024
Naphthalene		5.0		**48.5**	50.00	0	97.0	71	126	09/04/2024
o-Xylene		2.0		**54.6**	50.00	0	109.3	83	114	09/04/2024
Toluene		2.0		**54.7**	50.00	0	109.4	82.3	113	09/04/2024
trans-1,2-Dichloroethene		2.0		**54.4**	50.00	0	108.7	79.9	124	09/04/2024
Xylenes, Total		4.0		**165**	150.0	0	109.9	82.7	116	09/04/2024
Surr: 1,2-Dichloroethane-d4	*			**48.2**	50.00		96.4	80	120	09/04/2024
Surr: 4-Bromofluorobenzene	*			**48.7**	50.00		97.5	80	120	09/04/2024
Surr: Dibromofluoromethane	*			**50.6**	50.00		101.2	80	120	09/04/2024
Surr: Toluene-d8	*			**49.7**	50.00		99.4	80	120	09/04/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 227973 **SampType:** LCSD Units µg/L RPD Limit 20

SampID: LCSD-AM240904A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**51.7**	50.00	0	103.4	54.84	5.91	09/04/2024
Bromoform		2.0		**52.7**	50.00	0	105.4	53.84	2.14	09/04/2024
Ethylbenzene		2.0		**51.6**	50.00	0	103.3	55.27	6.77	09/04/2024
m,p-Xylenes		2.0		**103**	100.0	0	103.4	110.2	6.34	09/04/2024
Methylene chloride		2.0		**49.0**	50.00	0	98.0	51.43	4.86	09/04/2024
Naphthalene		5.0		**49.3**	50.00	0	98.6	48.50	1.60	09/04/2024
o-Xylene		2.0		**52.1**	50.00	0	104.1	54.63	4.80	09/04/2024
Toluene		2.0		**51.1**	50.00	0	102.2	54.72	6.82	09/04/2024
trans-1,2-Dichloroethene		2.0		**50.1**	50.00	0	100.2	54.35	8.12	09/04/2024
Xylenes, Total		4.0		**156**	150.0	0	103.7	164.8	5.82	09/04/2024
Surr: 1,2-Dichloroethane-d4	*			**48.2**	50.00		96.3			09/04/2024
Surr: 4-Bromofluorobenzene	*			**48.6**	50.00		97.3			09/04/2024
Surr: Dibromofluoromethane	*			**50.4**	50.00		100.7			09/04/2024
Surr: Toluene-d8	*			**49.4**	50.00		98.7			09/04/2024

Batch 227973 **SampType:** MS Units µg/L

SampID: 24082570-011bMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.50		**51.2**	50.00	0	102.4	74.1	118	09/04/2024
Ethylbenzene		1.00		**52.4**	50.00	0	104.7	74.8	119	09/04/2024
m,p-Xylenes		1.00		**55.2**	50.00	0	110.3	77.8	128	09/04/2024
o-Xylene		1.00		**53.1**	50.00	0	106.1	75.8	118	09/04/2024
Toluene		2.00		**51.8**	50.00	0	103.7	74.4	115	09/04/2024
Xylenes, Total		2.00		**108**	100.0	0	108.2	76.8	123	09/04/2024
Surr: 1,2-Dichloroethane-d4	*			**49.2**	50.00		98.4	80	120	09/04/2024
Surr: 4-Bromofluorobenzene	*			**48.1**	50.00		96.1	80	120	09/04/2024
Surr: Dibromofluoromethane	*			**51.2**	50.00		102.5	80	120	09/04/2024
Surr: Toluene-d8	*			**48.9**	50.00		97.8	80	120	09/04/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 227973 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24082570-011bMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.50		**51.9**	50.00	0	103.9	51.21	1.42	09/04/2024
Ethylbenzene		1.00		**53.3**	50.00	0	106.5	52.37	1.70	09/04/2024
m,p-Xylenes		1.00		**56.2**	50.00	0	112.4	55.16	1.89	09/04/2024
o-Xylene		1.00		**53.8**	50.00	0	107.7	53.07	1.44	09/04/2024
Toluene		2.00		**52.7**	50.00	0	105.3	51.83	1.61	09/04/2024
Xylenes, Total		2.00		**110**	100.0	0	110.0	108.2	1.67	09/04/2024
Surr: 1,2-Dichloroethane-d4	*			**49.2**	50.00		98.5			09/04/2024
Surr: 4-Bromofluorobenzene	*			**47.4**	50.00		94.9			09/04/2024
Surr: Dibromofluoromethane	*			**52.0**	50.00		104.0			09/04/2024
Surr: Toluene-d8	*			**48.8**	50.00		97.7			09/04/2024

Batch 228262 **SampType:** MBLK Units µg/L

SampID: MBLK-AK240911A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**ND**						09/11/2024
Bromoform		2.0		**ND**						09/11/2024
Ethylbenzene		2.0		**ND**						09/11/2024
m,p-Xylenes		2.0		**ND**						09/11/2024
Methylene chloride		2.0		**ND**						09/11/2024
Naphthalene		5.0		**ND**						09/11/2024
o-Xylene		2.0		**ND**						09/11/2024
Toluene		2.0		**ND**						09/11/2024
trans-1,2-Dichloroethene		2.0		**ND**						09/11/2024
Xylenes, Total		4.0		**ND**						09/11/2024
Surr: 1,2-Dichloroethane-d4	*			**50.7**	50.00		101.3	80	120	09/11/2024
Surr: 4-Bromofluorobenzene	*			**50.2**	50.00		100.3	80	120	09/11/2024
Surr: Dibromofluoromethane	*			**49.7**	50.00		99.5	80	120	09/11/2024
Surr: Toluene-d8	*			**50.6**	50.00		101.2	80	120	09/11/2024

Client: ERM **Work Order:** 24082570

Client Project: Ameren Taylorville 3rd Qtr 2024 **Report Date:** 11-Sep-24

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

Batch 228262 **SampType:** LCS Units µg/L

SampID: LCS-AK240911A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**52.5**	50.00	0	104.9	81.6	120	09/11/2024
Bromoform		2.0		**50.1**	50.00	0	100.1	81.5	118	09/11/2024
Ethylbenzene		2.0		**51.7**	50.00	0	103.4	82.4	116	09/11/2024
m,p-Xylenes		2.0		**106**	100.0	0	105.6	82.5	117	09/11/2024
Methylene chloride		2.0		**48.9**	50.00	0	97.8	75.3	122	09/11/2024
Naphthalene		5.0		**51.2**	50.00	0	102.4	71	126	09/11/2024
o-Xylene		2.0		**53.7**	50.00	0	107.3	83	114	09/11/2024
Toluene		2.0		**52.0**	50.00	0	103.9	82.3	113	09/11/2024
trans-1,2-Dichloroethene		2.0		**52.2**	50.00	0	104.5	79.9	124	09/11/2024
Xylenes, Total		4.0		**159**	150.0	0	106.2	82.7	116	09/11/2024
Surr: 1,2-Dichloroethane-d4	*			**50.0**	50.00		99.9	80	120	09/11/2024
Surr: 4-Bromofluorobenzene	*			**49.2**	50.00		98.3	80	120	09/11/2024
Surr: Dibromofluoromethane	*			**50.1**	50.00		100.2	80	120	09/11/2024
Surr: Toluene-d8	*			**50.0**	50.00		100.0	80	120	09/11/2024

Batch 228262 **SampType:** LCSD Units µg/L RPD Limit **20**

SampID: LCSD-AK240911A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**50.0**	50.00	0	100.0	52.47	4.86	09/11/2024
Bromoform		2.0		**48.3**	50.00	0	96.7	50.06	3.50	09/11/2024
Ethylbenzene		2.0		**49.8**	50.00	0	99.5	51.72	3.86	09/11/2024
m,p-Xylenes		2.0		**102**	100.0	0	101.7	105.6	3.84	09/11/2024
Methylene chloride		2.0		**46.7**	50.00	0	93.4	48.91	4.67	09/11/2024
Naphthalene		5.0		**51.4**	50.00	0	102.8	51.18	0.43	09/11/2024
o-Xylene		2.0		**51.1**	50.00	0	102.3	53.67	4.83	09/11/2024
Toluene		2.0		**50.1**	50.00	0	100.2	51.97	3.70	09/11/2024
trans-1,2-Dichloroethene		2.0		**49.8**	50.00	0	99.5	52.23	4.82	09/11/2024
Xylenes, Total		4.0		**153**	150.0	0	101.9	159.3	4.17	09/11/2024
Surr: 1,2-Dichloroethane-d4	*			**49.7**	50.00		99.3			09/11/2024
Surr: 4-Bromofluorobenzene	*			**50.3**	50.00		100.5			09/11/2024
Surr: Dibromofluoromethane	*			**49.3**	50.00		98.7			09/11/2024
Surr: Toluene-d8	*			**49.8**	50.00		99.6			09/11/2024

Receiving Check List

http://www.teklabinc.com/

Client: ERM
Work Order: 24082570
Client Project: Ameren Taylorville 3rd Qtr 2024
Report Date: 11-Sep-24

Carrier: Marshall Arendell
Received By: NR

Completed by: Amber Dilallo
On: 30-Aug-24

Reviewed by: Marvin L. Darling
On: 30-Aug-24

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 5.5
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

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

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

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

Trip Blank collection date and time will be reported as the received date and time (end of trip). - amberdilallo - 8/30/2024 4:46:58 PM

CHAIN OF CUSTODY

pg. 1 of 3 Work order # 24082570

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 5.5 °C LTG# 3

Preserved in: ☐ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes: ERM Springfield project

HS OK in 1/2 GW-20 vials. PS 8/30

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 3rd Qtr 2024	Marshall Arendell

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
24082570 001	GW-04R-WG-20240830	8/30/24 1420	1	2		X		X	X
002	GW-05-WG-20240829	8/29/24 1120	1	2		X		X	X
003	GW-07-WG-20240830	8/30/24 0920	1	2		X		X	X
004	GW-14-WG-20240829	8/29/24 1850	1	2		X		X	X
005	GW-15-WG-20240830	8/30/24 1320	1	2		X		X	X
006	GW-16S-WG-20240828	8/28/24 1340	1	2		X		X	X
007	GW-16D-WG-20240828	8/28/24 1510	1	2		X		X	X
008	GW-17-WG-20240828	8/28/24 1545	1	2		X		X	X
009	GW-18S-WG-20240829	8/29/24 1610	1	2		X		X	X
010	GW-18D-WG-20240829	8/29/24 1540	1	2		X		X	X

Relinquished By	Date/Time	Received By	Date/Time
Marshall Arendell	8/30/24 ~~1645~~ 1630	Brian Reed	8/30/24 1636

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: 91969

CHAIN OF CUSTODY

pg. 2 of 3 Work order # 24082570

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: ERM Springfield project

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

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

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

Client Comments

MS/MSD taken on GW-19S-WG-20240829

Project Name/Number	Sample Collector's Name
Ameren Taylorville 3rd Qtr 2024	Marshall Arendell

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
2408257001	GW-19S-WG-202408**29**	8/29/24 1410	3	6		X		X	X
002	GW-19D-WG-202408**29**	8/29/24 1340	1	2		X		X	X
003	GW-20-WG-202408**29**	8/29/24 1210	1	2		X		X	X
	~~GW-21-WG-202408~~		1	2		X		X	X
004	GW-22S-WG-202408**30**	8/30/24 1130	1	2		X		X	X
005	GW-22D-WG-202408**30**	8/30/24 1050	1	2		X		X	X
006	DUP-001-WG-202408**30**	8/30/24 0001	1	2		X		X	X
	~~FB-001-WG-202408~~		1	2	X			X	X
007	TB-001-WG-202408**30**	8/30/24 1500		2			X		X
	~~TB-002-WG-202408~~			2			X		X

Relinquished By	Date/Time	Received By	Date/Time
Marshall Arendell	8/30/24 1630	Nick Reed	8/30/24 1630

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: 91969

CHAIN OF CUSTODY

pg. 3 of 3 Work order # 2408257O

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: ERM Springfield project

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 3rd Qtr 2024	Marshall Arendell

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
2408257O 018	DUP-002-WG-20240830	8/30/24 0002	1	2		X		X	X
	~~EB-002-WQ-202408~~		1	2		X		X	X
	~~DUP-003-WG-202408~~		1	2		X		X	X
019	GW-25-WG-202408 28	8/28/24 1640	1	2		X		X	X
020	GW-26-WG-202408 29	8/29/24 1720	1	2		X		X	X
021	EQB-001-WQ-202408 30	8/30/24 0730	1	2	X			X	X
	~~EQB-002-WQ-202408~~		1	2	X			X	X

Relinquished By	Date/Time	Received By	Date/Time
Marshall Arendell	8/30/24 1630		8/30/24 1630

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: 91969

ATTACHMENT B SUMMARY OF THIRD QUARTER 2024 ANALYTICAL RESULTS

Attachment B
Analytical Data Summary
Ameren Taylorville
Taylorville, Illinois

		Location	GW-4R		GW-5	GW-7	GW-14	GW-15	GW-16D	GW-16S	GW-17	GW-18D	GW-18S	GW-19D	GW-19S	GW-20	GW-22D
		Sample Date	08/30/2024	08/30/2024	08/29/2024	08/30/2024	08/29/2024	08/30/2024	08/28/2024	08/28/2024	08/28/2024	08/29/2024	08/29/2024	08/29/2024	08/29/2024	08/29/2024	08/30/2024
		Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
		Well Screen Depth Below Ground Surface	16 - 26	16 - 26	50.75 - 61	80 - 90	84 - 94	80 - 90	81 - 91	25 - 35	25 - 35	74 - 84	15 - 25	72.5 - 82.5	12 - 22	4.5 - 9.5	79 - 89
Analyte	**Unit**	**USEPA ROD 1992 CUOs**															
SW8260B																	
Benzene	ug/L	5	**1150**	**1180**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 4.00	< 4.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	**261**	**261**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	**119**	**110**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 40.0	< 40.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	**1790**	**1730**	**2.1 j**	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	**185**	**181**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	**159**	**153**	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 40.0	< 40.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	**0.36 j**	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	**304**	**291**	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SW846 8270C																	
Acenaphthene	mg/L	0.42	**0.0203**	**0.0217**	**0.000074 j**	**0.000204**	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	**0.0034 j**	**0.0037 j**	< 0.000100	**0.000247**	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	**0.000285**	< 0.000100
Anthracene	mg/L	2.1	**0.00180**	**0.00201**	< 0.000300	**0.00222**	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	**0.000267**	**0.000251**	< 0.000100	**0.000285**	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	**0.000203**	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	**0.000883**	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	**0.000745**	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	**0.000992**	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	**0.000252 J**	< 0.000200 UJ
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.00200	**0.00470 J+**	< 0.00200	**0.00698 J+**	< 0.00270	< 0.00322	**0.0101 J+**	< 0.00301	**0.0115 J+**	< 0.0020	< 0.0020	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Chrysene	mg/L	0.0015	**0.000541**	**0.000585**	< 0.000200	**0.00020 j**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	**0.000344**	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	**0.00013 j**	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0150	< 0.0150	< 0.000300	**0.00139**	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	**0.0888**	**0.0955**	< 0.000200	**0.000536**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	**0.000746**	< 0.000200
m,p-cresol	mg/L	0.35	**0.0037 j**	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	**1.22**	**1.04 J+**	< 0.0050	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
o-Cresol	mg/L	0.35	**0.0043 j**	**0.0046 j**	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Phenanthrene	mg/L	0.21	**0.0810**	**0.0868**	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	**0.00453**	**0.00444**	< 0.000200	**0.00375**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	**0.000428**	< 0.000200

Notes:

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

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

USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard

Results validated to EPA-Stage 3.
j = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
UJ = The analyte was analyzed for, but was not detected. The reported limit is approximate and may be inaccurate or imprecise.

Attachment B
Analytical Data Summary
Ameren Taylorville
Taylorville, Illinois

		Location	GW-22S		GW-25	GW-26	TRIP BLANK	EQB-001
		Sample Date	08/30/2024	08/30/2024	08/28/2024	08/29/2024	08/30/2024	08/30/2024
		Sample Type	N	FD	N	N	TB	EB
		Well Screen Depth Below Ground Surface	25 - 35	25 - 35	18 - 28	26 - 36	-	-
Analyte	**Unit**	**USEPA ROD 1992 CUOs**						
SW8260B								
Benzene	ug/L	5	**0.88**	**0.89**	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	**0.86 j**	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.0	< 2.00	< 2.0	< 2.00	**1.3 j**	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SW846 8270C								
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	**0.000074 j**	< 0.000100	< 0.000100	NA	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	NA	**0.0017 j**
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.0020	< 0.00317	< 0.0020	< 0.00200	NA	< 0.00200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NA	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NA	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	NA	< 0.000400
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NA	**0.00263**
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	NA	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	< 0.000200

Notes:

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

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

USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
NA = not analyzed
NS = no standard

Results validated to EPA-Stage 3.
j = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
UJ = The analyte was analyzed for, but was not detected. The reported limit is approximate and may be inaccurate or imprecise.

ATTACHMENT C SUMMARY OF HISTORICAL ANALYTICAL RESULTS

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

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

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

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

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

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

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

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

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

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

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

Notes:
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Attachment C
Summary of Analytical Results 2020 - August 2024
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Taylorville, Illinois

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

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

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

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

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

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

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 - August 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

GW-04 Analyte	Unit	USEPA ROD 1992 CUOs	Result 10/27/2023	Result - DUP 10/27/2023	Result 2/15/2024	Result - DUP 2/15/2024	Result 5/10/2024	Result - DUP 5/10/2024	Result 8/30/2024	Result - DUP 8/30/2024
Acenaphthene	mg/L	0.42	**0.0330**	**0.0373**	**0.0308**	**0.0293**	**0.0171**	**0.0203**	**0.0203**	**0.0217**
Acenaphthylene	mg/L	0.21	**0.00163**	**0.00183**	**0.00242**	**0.00226**	**0.0062 J**	**0.0056 J**	**0.0034 J**	**0.0037 J**
Anthracene	mg/L	2.1	**0.00092**	**0.00135**	**0.000936**	**0.000831**	**0.00122**	**0.00153**	**0.0018**	**0.00201**
Benzo(a)anthracene	mg/L	0.00013	**0.000570**	**0.000620**	**0.000113**	**0.000109**	**0.000205**	**0.000204**	**0.000267**	**0.000251**
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	0.000557	**0.000591**	< 0.0001	**0.000092 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	**0.000116**	**0.000139**	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002	**0.0047**
Chrysene	mg/L	0.0015	**0.00217**	**0.00233**	**0.000279**	**0.000276**	**0.000455**	**0.000436**	**0.000541**	**0.000585**
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	**0.00893**	< 0.015	**0.00472**	**0.00417**	< **0.03**	< **0.03**	< 0.015	< 0.015
Fluorene	mg/L	0.28	**0.0573**	**0.0802**	**0.0719**	**0.0706**	**0.0672**	**0.0691**	**0.0888**	**0.0955**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	**0.00079 J**	**0.001 J**	< 0.01	< 0.01	< 0.01	< 0.01	**0.0037 J**	< 0.01
o-Cresol	mg/L	0.35	< 0.01	**0.001 J**	< 0.01	< 0.01	< 0.01	< 0.01	**0.0043 J**	**0.0046 J**
Naphthalene	mg/L	0.025	**0.343**	**0.414**	**0.839**	**0.634**	**1.02**	**1.38**	**1.22**	**1.04**
Phenanthrene	mg/L	0.21	**0.0669**	**0.0915**	**0.0716**	**0.0726**	**0.0679**	**0.0648**	**0.0810**	**0.0868**
Pyrene	mg/L	0.21	**0.00411**	**0.00465**	**0.00225**	**0.00159**	**0.00362**	**0.00374**	**0.00453**	**0.00444**
Benzene	µg/L	5	**346**	**392**	**1380**	**1500**	**1130**	**999 S**	**1150**	**1180**
Bromoform	µg/L	0.2	< 2	< 0.2	< 5	< 2	< 0.2	< 0.2	< 4	< 4
Ethylbenzene	µg/L	700	**117**	**159**	**322**	**369**	**295**	**261**	**261**	**261**
m,p-Xylenes	µg/L	NS	**14.7**	**19.7**	**124**	**145**	**226**	**216**	**119**	**110**
Methylene chloride	µg/L	0.2	< **20**	< 2	< 50	< 20	< 2	< 2	< 40	< 40
Naphthalene	µg/L	25	**510**	**531**	**1700**	**1940**	**2300 E**	**2220 E**	**1790**	**1730**
o-Xylene	µg/L	NS	**62**	**80.8**	**182**	**203**	**196**	**188**	**185**	**181**
Toluene	µg/L	1000	**24.8**	**34.8**	**320**	**378**	**132**	**125**	**159**	**153**
trans-1,2-Dichloroethene	µg/L	100	< 20	< 2	< 50	< 20	< 2	< 2	< 40	< 40
Xylenes, Total	µg/L	10000	**76.7**	**101**	**306**	**348**	**422**	**403**	**304**	**291**

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 - August 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

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

Notes:
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R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

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

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

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

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

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

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

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

Attachment C
Summary of Analytical Results 2020 - August 2024
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Taylorville, Illinois

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

Notes:
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Attachment C
Summary of Analytical Results 2020 - August 2024
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GW-07 Analyte	Unit	USEPA ROD 1992 CUOs	Result - DUP 2/13/2024	Result 5/9/2024	Result - DUP 5/9/2024	Result 8/30/2024
Acenaphthene	mg/L	0.42	**0.000130**	**0.000136**	**0.000121**	**0.000204**
Acenaphthylene	mg/L	0.21	**0.000157**	**0.000177**	**0.000182**	**0.000247**
Anthracene	mg/L	2.1	**0.00149**	**0.00193**	**0.00141**	**0.00222**
Benzo(a)anthracene	mg/L	0.00013	**0.000204**	**0.000218**	**0.000183**	**0.000285**
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.0180**	**0.0075**	**0.0016** J	**0.0070** B
Chrysene	mg/L	0.0015	**0.000166**	**0.000204**	**0.00014** J	**0.0002** J
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00111**	**0.00129**	**0.000934**	**0.00139**
Fluorene	mg/L	0.28	**0.000351**	**0.000343**	**0.000334**	**0.000536**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.00262**	**0.00336**	**0.00237**	**0.00375**
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	**2.81**	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2

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< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
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 - August 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GW-15 Analyte	Unit	USEPA ROD 1992 CUOs	Result 9/9/2022	Result 11/29/2022	Result 2/15/2023	Result - DUP 2/15/2023	Result 5/18/2023	Result - DUP 5/18/2023	Result 9/13/2023	Result 10/25/2023	Result 2/15/2024	Result 5/10/2024	Result 8/30/2024
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	< 0.0001
Acenaphthylene	mg/L	0.21	**0.000077 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001 H	< 0.0001 H	< 0.0001	< 0.0001	< 0.0001	< 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	< 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	< 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	< 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	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 H	< 0.0002 H	< 0.0002	< 0.0002	< 0.0002	< 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	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 H	< 0.002 H	< 0.002	< 0.002 S	< 0.002	< 0.002	**0.00322 B**
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	< 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	< 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	< 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	< 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**	< 0.000200
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	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 H	< 0.01 H	< 0.01	< 0.01	< 0.01	< 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	< 0.01
Naphthalene	mg/L	0.025	**0.00366**	**0.00414**	< 0.0004	< 0.0004	< 0.0004 H	< 0.0004 H	< 0.0004	< 0.0004	**0.00250**	**0.00315**	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006 H	< 0.0006 H	< 0.0006	< 0.0006	< 0.0006	< 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	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	**0.55 J**	< 2 B	< 2 B	< 2	< 2	< 2	< 2	< 2	**0.6 J**	< 2
o-Xylene	µg/L	NS	**0.11 J**	< 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	< 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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Ameren Taylorville Former MGP Site
Taylorville, Illinois

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

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

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

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

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
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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 - August 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

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

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
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GW-16D Analyte	Unit	USEPA ROD 1992 CUOs	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023	Result 10/25/2023	Result 2/14/2024	Result 5/9/2024	Result 8/28/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	**0.0017 J**	**0.00241**	**0.00726**	**0.00770**	< 0.002	**0.0101 B**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
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 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
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	**0.71**	**0.70**	**0.80**	**0.76**	**0.64**	**0.71**	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	**0.51 J**	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	**0.12 J**	< 2	**0.13 J**	< 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
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C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
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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 - August 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

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

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

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

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

Notes:
B = Analyte detected in associated method blank
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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All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
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Attachment C
Summary of Analytical Results 2020 - August 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

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

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

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

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

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

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

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

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

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

GW-19D Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/9/2022	Result 9/7/2022	Result 11/29/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result 2/14/2024	Result 5/7/2024	Result 8/29/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	**0.00016**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	**0.00391**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	**0.00201**	< 0.002	< 0.002 B
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 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	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	**0.47 BJ**	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	**0.12 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GW-22S Analyte	Unit	USEPA ROD 1992 CUOs	Result 10/26/2023	Result 2/15/2024	Result 5/9/2024	Result - DUP 5/9/2024	Result 8/30/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 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
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	**0.000078 J**	< 0.0002	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	**0.00380**	**0.00242**	< 0.002	< 0.002	**0.0018 BJ**
Chrysene	mg/L	0.0015	< 0.0001	**0.000065 J**	< 0.0002	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	**0.00029 J**	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 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
Benzene	µg/L	5	< 0.5	**115**	**8.66**	**8.58**	**0.88**
Bromoform	µg/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	**1.98**	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	**0.75 J**	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	**2.51**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	**1.0 J**	< 2.0	< 2.0	**0.15 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	**3.26**	< 2	< 2	< 2

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

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

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

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

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

GW-22D Analyte	Unit	USEPA ROD 1992 CUOs	Result 11/28/2022	Result 2/14/2023	Result 5/16/2023	Result 9/14/2023	Result 10/26/2023	Result - DUP 10/26/2023	Result 2/15/2024	Result 5/9/2024	Result 8/30/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 B
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002 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
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2 B	**0.59 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	**0.11 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 ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
USEPA ROD 1992 CUOs = United States Environmental Protection Agency 1992 Record of Decision Clean Up Objectives
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

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

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

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

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

GW-25 Analyte	Unit	USEPA ROD 1992 CUOs	Result 5/10/2022	Result 9/6/2022	Result 11/28/2022	Result 2/13/2023	Result 5/15/2023	Result 9/14/2023	Result 10/26/2023	Result 2/15/2024	Result 5/9/2024	Result 8/28/2024
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 SR	< 0.0001
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 SR	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 S	< 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 S	< 0.0002
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002 S	**0.0017 BJ**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002 SR	< 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	**0.012 J**	< 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 S	< 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 R	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 S	< 0.0002
Benzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.16 J	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	0.2	< 2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	25	< 2 B	**0.46 BJ**	< 2 B	**0.29 J**	< 2	**1.5 J**	**3.77**	< 2	< 2	**0.86 J**
o-Xylene	µg/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	**0.4 J**	**0.29 J**	< 2	< 2	< 2	< 2	< 2	< 2	**0.18 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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

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

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

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

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

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

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

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

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

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds ROD CUO
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
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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 - August 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

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

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

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

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

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

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

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

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

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

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

Notes:
B = Analyte detected in associated method blank
H = Analysis outside of hold time
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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< = Compound not detected at concentrations above the laboratory reporting detection limit.
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mg/L = milligrams per liter
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Attachment C
Summary of Analytical Results 2020 - August 2024
Ameren Taylorville Former MGP Site
Taylorville, Illinois

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

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Ameren Taylorville Former MGP Site
Taylorville, Illinois

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

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

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Taylorville, Illinois

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

Notes:
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ATTACHMENT D DATA VALIDATION SUMMARY

ERM

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MEMO

TO	Michael Abegg
FROM	Rachel James
DATE	2024-10-08
REFERENCE	0721631
SUBJECT	Data Review of Ameren Taylorville, 3Q24 Groundwater Monitoring Samples. Samples Collected August 28 - 30, 2024: Teklab, Inc., Data Package(s) 24082570.

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

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

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

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

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

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

- J = estimated concentration
- J+ = the result is an estimated concentration, but may be biased high
- J- = the result is an estimated concentration, but may be biased low
- UJ = estimated reporting limit
- U = evaluated to be non-detected at the reporting limit
- R = rejected, data not usable

- NJ = tentative identification and estimated concentration

Validation outliers and any necessary data qualifications are summarized in tables at the end of this memo. The table below indicates the included validation tables with findings.

List of Attached Tables
Table 1: Sample Summary
Table 2: Calibration Verification Outside of Acceptable Limits
Table 3: Laboratory Blank and Associated Suspect Sample Detections
Table 4: Field Blank and Associated Suspect Sample Detections
Table 5: Laboratory Control Spike Recoveries Outside of Acceptable Limits
Table 6: Matrix Spike Recoveries Outside of Acceptable Limits
Table 7: Surrogate Recovery Results Outside of Acceptable Limits
Table 8: Field Duplicate Evaluation
Table 9: Calibration Range Exceedances

CHAIN-OF-CUSTODY DISCREPANCIES

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

- **24082570:** 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 COMMENTS

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

SAMPLES WITH EXCEEDED PRESERVATION REQUIREMENTS

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.

SAMPLES WITH EXCEEDED HOLDING TIMES

The samples were prepared and analyzed within the method-prescribed time period from the date of collection, with appropriate considerations for sample preservation requirements.

INSTRUMENT TUNING OUTSIDE OF ACCEPTABLE LIMITS

All instrument tuning criteria met method acceptance criteria.

INITIAL CALIBRATION OUTSIDE OF ACCEPTABLE LIMITS

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 OUTSIDE OF ACCEPTABLE LIMITS

The initial and continuing calibration verifications were within required percent difference (%D) or percent recoveries (%R) and RRF limits (as applicable to the methods) for target analytes, with the exceptions and any necessary qualifications noted in Table 2.

LABORATORY BLANK AND ASSOCIATED SUSPECT SAMPLE DETECTIONS

The laboratory blank sample results were non-detected for each of the target analytes, with the exceptions and any necessary qualifications noted in Table 3. 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, as adjusted for dilution, were qualified as non-detect (U) at the sample reporting limit.
- Results within five times the blank concentration (ten times for inorganics or common laboratory contaminants), greater than the reporting limit, but less than the blank concentration, as adjusted for dilution, were qualified as non-detect (U) at the sample concentration.
- Results within five times the blank concentration (ten times for inorganics or common laboratory contaminants), greater than the reporting limit, and greater than the blank concentration, as adjusted for dilution, were qualified as estimates with a high bias (J+).

FIELD BLANK AND ASSOCIATED SUSPECT SAMPLE DETECTIONS

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 RECOVERIES OUTSIDE OF ACCEPTABLE LIMITS

The laboratory control sample (LCS) recoveries and, if included, the laboratory control sample duplicate (LCSD) recoveries and relative percent differences (RPD) were within the laboratory's limits of acceptance, with the exceptions and any necessary qualifications noted in Table 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 RECOVERIES OUTSIDE OF ACCEPTABLE LIMITS

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 RECOVERY RESULTS OUTSIDE OF ACCEPTABLE LIMITS

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 RECOVERY RESULTS OUTSIDE OF ACCEPTABLE LIMITS

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

FIELD DUPLICATE EVALUATION

One or more samples were submitted to the laboratory as field duplicates. RPDs or absolute differences were calculated as appropriate for detected results. When results

were greater than or equal to five times the reporting limit, RPD control limits of 30 for an aqueous matrix or 50 for a non-aqueous matrix were used. When results were less than five times the reporting limit, difference limits of ± two times the reporting limit for an aqueous matrix or ± four times the reporting limit for a non-aqueous matrix were used. Control limits were not applicable if both results were less than the reporting limits. If one result was greater than the reporting limit and the other was not detected, the reporting limit for the non-detect result was used when calculating differences. Additionally, if the reporting limits were not the same between the parent and field duplicate samples, professional judgment was used to determine the difference control limit or if the calculation was meaningful. The RPDs and/or absolute differences were within QAPP criteria or EPA Region 1 guidance, whichever is applicable, with any exceptions and necessary qualifications noted in Table 8.

CALIBRATION RANGE EXCEEDANCES

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 QUALIFIERS

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
3Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	VOCs (8260B)	SVOCs (8270C)
24082570	GW-04R-WG-20240830	24082570-001	Groundwater	8/30/2024	-	x	x
	GW-05-WG-20240829	24082570-002	Groundwater	8/29/2024	-	x	x
	GW-07-WG-20240830	24082570-003	Groundwater	8/30/2024	-	x	x
	GW-14-WG-20240829	24082570-004	Groundwater	8/29/2024	-	x	x
	GW-15-WG-20240830	24082570-005	Groundwater	8/30/2024	-	x	x
	GW-16S-WG-20240828	24082570-006	Groundwater	8/28/2024	-	x	x
	GW-16D-WG-20240828	24082570-007	Groundwater	8/28/2024	-	x	x
	GW-17-WG-20240828	24082570-008	Groundwater	8/28/2024	-	x	x
	GW-18S-WG-20240829	24082570-009	Groundwater	8/29/2024	-	x	x
	GW-18D-WG-20240829	24082570-010	Groundwater	8/29/2024	-	x	x
	GW-19S-WG-20240829	24082570-011	Groundwater	8/29/2024	-	x	x
	GW-19D-WG-20240829	24082570-012	Groundwater	8/29/2024	-	x	x
	GW-20-WG-20240829	24082570-013	Groundwater	8/29/2024	-	x	x
	GW-22S-WG-20240830	24082570-014	Groundwater	8/30/2024	-	x	x
	GW-22D-WG-20240830	24082570-015	Groundwater	8/30/2024	-	x	x
	DUP-001-WG-20240830	24082570-016	Groundwater	8/30/2024	GW-04R-WG-20240830	x	x
	TB-001-WQ-20240830	24082570-017	Water Quality	8/30/2024	-	x	
	DUP-002-WG-20240830	24082570-018	Groundwater	8/30/2024	GW-22S-WG-20240830	x	x

Table 1
Sample Summary
3Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	VOCs (8260B)	SVOCs (8270C)
24082570	GW-25-WG-20240828	24082570-019	Groundwater	8/28/2024	-	x	x
	GW-26-WG-20240829	24082570-020	Groundwater	8/29/2024	-	x	x
	EQB-001-WQ-20240830	24082570-021	Water Quality	8/30/2024	-	x	x

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

Table 2
Calibration Verification Outside of Acceptable Limits
3Q24 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
24082570	CCV BNA240808D	Benzo(k)fluoranthene	-25.6 %D	--	± 25.0	GW-04R-WG-20240830	ND	mg/L	UJ
						GW-05-WG-20240829	ND	mg/L	UJ
						GW-07-WG-20240830	ND	mg/L	UJ
						GW-16D-WG-20240828	ND	mg/L	UJ
						GW-17-WG-20240828	ND	mg/L	UJ
	CCV BNA240813C	Benzo(k)fluoranthene	-35.7 %D	--	± 25.0	DUP-001-WG-20240830	ND	mg/L	UJ
						GW-14-WG-20240829	ND	mg/L	UJ
						GW-15-WG-20240830	ND	mg/L	UJ
						GW-18D-WG-20240829	ND	mg/L	UJ
						GW-18S-WG-20240829	ND	mg/L	UJ
						GW-19D-WG-20240829	ND	mg/L	UJ
						GW-20-WG-20240829	0.000252	mg/L	J
						GW-22D-WG-20240830	ND	mg/L	UJ
						GW-22S-WG-20240830	ND	mg/L	UJ
						GW-25-WG-20240828	ND	mg/L	UJ
						GW-26-WG-20240829	ND	mg/L	UJ
	CCV BNA240813BC	Benzo(k)fluoranthene	-33.7 %D	--	± 25.0	DUP-002-WG-20240830	ND	mg/L	UJ
						EQB-001-WQ-20240830	ND	mg/L	UJ
						GW-19S-WG-20240829	ND	mg/L	UJ

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

Table 3
Laboratory Blank and Associated Suspect Sample Detections
3Q24 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
24082570	MBLK-227914	Bis(2-ethylhexyl)phthalate	0.0037	0.00600	GW-07-WG-20240830	0.00698	0.00400	mg/L	J+
					GW-14-WG-20240829	0.00270	0.00200	mg/L	0.00270 U
					GW-15-WG-20240830	0.00322	0.00200	mg/L	0.00322 U
					GW-16S-WG-20240828	0.00301	0.00200	mg/L	0.00301 U
					GW-16D-WG-20240828	0.0101	0.0100	mg/L	J+
					GW-17-WG-20240828	0.0115	0.0100	mg/L	J+
					GW-18S-WG-20240829	0.0018	0.0020	mg/L	0.0020 U
					GW-18D-WG-20240829	0.0017	0.0020	mg/L	0.0020 U
					GW-22S-WG-20240830	0.0018	0.0020	mg/L	0.0020 U
					DUP-001-WG-20240830	0.00317	0.00200	mg/L	0.00317 U
					GW-25-WG-20240828	0.0017	0.0020	mg/L	0.0020 U

Notes:
Conc. = concentration
J+ = detected results are estimated with a high bias
MBLK = method blank
mg/L = milligrams per liter
RL = reporting limit
U = non-detected

Table 4
Field Blank and Associated Suspect Sample Detections
3Q24 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
24082570	TB-001-WQ-20240830	Toluene	1.3	2.0	GW-22S-WG-20240830	0.15	2.0	µg/L	2.0 U
					GW-25-WG-20240828	0.18	2.0	µg/L	2.0 U
	EQB-001-WQ-20240830	Bis(2-ethylhexyl)phthalate	0.0017	0.0020	GW-07-WG-20240830	0.00698	0.00400	mg/L	J+
					GW-14-WG-20240829	0.00270	0.00200	mg/L	J+
					GW-15-WG-20240830	0.00322	0.00200	mg/L	J+
					GW-16S-WG-20240828	0.00301	0.00200	mg/L	J+
					GW-18S-WG-20240829	0.0018	0.0020	mg/L	0.0020 U
					GW-18D-WG-20240829	0.0017	0.0020	mg/L	0.0020 U
					GW-22S-WG-20240830	0.0018	0.0020	mg/L	0.0020 U
					DUP-001-WG-20240830	0.00317	0.00200	mg/L	J+
					DUP-002-WG-20240830	0.00470	0.00200	mg/L	J+
					GW-25-WG-20240828	0.0017	0.0020	mg/L	0.0020 U
		Naphthalene (8270C)	0.00263	0.000400	GW-05-WG-20240829	0.0048	0.0050	mg/L	0.0050 U

Notes:
Conc. = concentration
EQB = equipment blank
J+ = detected results are estimated with a high bias
µg/L = micrograms per liter
mg/L = milligrams per liter
RL = reporting limit
U = non-detected

Table 5
Laboratory Control Spike Recoveries Outside of Acceptable Limits
3Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
24082570	LCS-227914 LCSD-227914	None for qualification, one recovery passes	Bis(2-ethylhexyl)phthalate	266.8/Pass	55.3-191	Pass	34.5	--	--	--
	LCS-227972 LCSD-227972	DUP-002-WG-20240830	Naphthalene (8270C)	108.1/109.5	54-102	Pass	34.5	1.04	mg/L	J+
		EQB-001-WQ-20240830						0.00263	mg/L	J+

Notes:
-- = not applicable; associated data not affected
EQB = equipment blank
J+ = detected results are estimated with a high bias
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
mg/L = milligrams per liter
RPD = relative percent difference

Table 6
Matrix Spike Recoveries Outside of Acceptable Limits
3Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
24082570	GW-19S-WG-20240829 MS/MSD	None for qualification, one recovery passes	Acenaphthene	103.8/Pass	62.7-99	Pass	18.6	--	--	--
			Benzo(a)pyrene	120.5/Pass	58.5-117	Pass	18.6	--	--	--
			Benzo(k)fluoranthene	118.9/Pass	61.3-111	Pass	18.6	--	--	--
		None for qualification, parent sample ND	Bis(2-ethylhexyl)phthalate	177.2/174.5	80.2-167	Pass	18.6	--	--	--
		None for qualification, one recovery passes	Chrysene	120.6/Pass	57.1-113	Pass	18.6	--	--	--
			Fluorene	108/Pass	59.7-107	Pass	18.6	--	--	--
			Naphthalene (8270C)	108.1/Pass	60.6-101	Pass	18.6	--	--	--

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

Table 7
Surrogate Recovery Results Outside of Acceptable Limits
3Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Method	Surrogate	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
24082570	GW-04R-WG-20240830	8270C	2-Fluorophenol	133.3	30-130	None for qualification, only one acid or base surrogate outside criteria	1	--
	GW-15-WG-20240830	8270C	2-Fluorophenol	132.6	30-130		1	--
	GW-17-WG-20240828	8270C	2-Fluorophenol	136.5	30-130		1	--
	GW-19S-WG-20240829	8270C	2,4,6-Tribromophenol	131.5	31.7-161	None for qualification, associated analyte ND	1	--
			2-Fluorophenol	113.0	30-130			
	GW-19D-WG-20240829	8270C	2,4,6-Tribromophenol	182.9	31.7-161	None for qualification, only one acid or base surrogate outside criteria	1	--
	DUP-002-WG-20240830	8270C	2-Fluorophenol	135.5	30-130		1	--
	MBLK-227914	8270C	2,4,6-Tribromophenol	148.9	42.5-148	None for qualification, QC sample	1	--
			2-Fluorophenol	132.5	41.9-127			
			Phenol-d5	121.8	36.3-120			
	LCSD-227914	8270C	2-Fluorophenol	128	41.9-127		1	--
			Phenol-d5	121.2	36.3-120			
	GW-19S-WG-20240829 MS	8270C	2,4,6-Tribromophenol	172.6	31.7-161		1	--
			2-Fluorophenol	139.8	30-130			
	LCS-227972	8270C	2-Fluorophenol	128.8	41.9-127		1	--
	LCSD-227972			128.4				

Notes:
-- = not applicable; associated data not affected
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
MBLK = method blank
MS = matrix spike
ND = not detected
QC = quality control

Table 8
Field Duplicate Evaluation
3Q24 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					
24082570	GW-22S-WG-20240830/ DUP-001-WG-20240830	Benzo(a)anthracene	ND	0.000074	0.000100	0.00010	mg/L	--	--	NA	--
		Benzene	0.88	0.89	0.50	0.50	µg/L	0.01	--	1.00	--
	GW-04R-WG-20240830/ DUP-002-WG-20240830	Acenaphthene	0.0203	0.0217	0.00500	0.00500	mg/L	0.0014	--	0.0100	--
		Acenaphthylene	0.0034	0.0037	0.0050	0.0050	mg/L	--	--	NA	--
		Anthracene	0.00180	0.00201	0.000300	0.000300	mg/L	--	11	30	--
		Benzo(a)anthracene	0.000267	0.000251	0.000100	0.000100	mg/L	0.000016	--	0.000200	--
		Bis(2-ethylhexyl)phthalate	ND[1]	0.00470	0.00200	0.00200	mg/L	0.0027	--	0.00400	--
		Chrysene	0.000541	0.000585	0.000200	0.000200	mg/L	0.000044	--	0.000400	--
		Fluorene	0.0888	0.0955	0.0100	0.0100	mg/L	--	7.3	30	--
		m,p-Cresol	0.0037	ND	0.010	0.010	mg/L	--	--	NA	--
		Naphthalene (8270C)	1.22	1.04	0.200	0.200	mg/L	--	16	30	--
		o-Cresol	0.0043	0.0046	0.010	0.010	mg/L	--	--	NA	--
		Phenanthrene	0.0810	0.0868	0.0300	0.0300	mg/L	0.0058	--	0.0600	--
		Pyrene	0.00453	0.00444	0.000200	0.000200	mg/L	--	2.0	30	--
		Benzene	1150	1180	10.0	10.0	µg/L	--	2.6	30	--
		Ethylbenzene	261	261	20.0	20.0	µg/L	--	0	30	--
		m,p-Xylenes	119	110	20.0	20.0	µg/L	--	7.9	30	--
		Naphthalene (8260B)	1790	1730	40.0	40.0	µg/L	--	3.4	30	--
		o-Xylene	185	181	20.0	20.0	µg/L	--	2.2	30	--
		Toluene	159	153	40.0	40.0	µg/L	6	--	80.0	--
		Xylenes, Total	304	291	40.0	40.0	µg/L	--	4.4	30	--

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

Table 9
Calibration Range Exceedances
3Q24 Groundwater Monitoring Samples
Ameren Taylorville
Taylorville, Illinois

Lab Package	Sample ID	Analyte	Reported Concentration	Units	ERM Qualifier
24082570	DUP-002-WG-20240830	2,4,6-Tribromophenol (surrogate)	153.6	%	None for surrogate compound
		2-Fluorophenol (surrogate)	135.5	%	
	LCS-227914	Bis(2-ethylhexyl)phthalate	0.0053	mg/L	None for QC sample

Notes:
LCS = laboratory control sample
QC = quality control
mg/L = milligrams per liter

ATTACHMENT E MONITORING WELL SEALING FORMS

Print Form

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 W. JEFFERSON ST.
SPRINGFIELD, IL 62761

WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party) Ameren

2. Well Location: Well Site Address S Shumway St and W 3rd Stre City Taylorville Zip 62568

Lot # Land I.D.# County Christian Township 13

Range 2 Section 27 Quarter of the Quarter of the Quarter

GPS: North Degrees 39 Minutes 32 Seconds 30.7 West Degrees 89 Minutes 18 Seconds 6.6

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.1) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled 1986 4. Drilling Permit Number (and date, if known

5. Type of Well Monitoring 6. Total Depth (ft.) 100.5 Diameter (in.) 2

7. Formation clear of obstruction Yes

8. Detains of Plugging (bentonite, neat cement or other materials)

Filled with	Grout	From (ft.)	100.5	to (ft.)	8
Kind of plug	Bentonite Chip	From (ft.)	8	to (ft.)	2
Filled with	Sand	From (ft.)	2	to (ft.)	1
Kind of plug	Topsoil	From (ft.)	1	to (ft.)	0
Filled with		From (ft.)		to (ft.)	
Kind of plug		From (ft.)		to (ft.)	

9. CASING RECORD Upper 2 feet of casing removed Yes 10. Date well was sealed Jun 4, 2024

11. Licensed water well driller or other person approved by the Department performing well sealing

Name Geoserve, Inc. Complete License Number NA

Address 416 Menge Road City Marengo State Illinois Zip Code 60152

This state agency is requesting discolsure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631

Questions regarding the completion of this form should be directed to the local health department or the Illinois Department of Public Health 217-782-5830, TTY (for hearing impaired only) 800-547-0466.

Print Form

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
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Lot # Land I.D.# County Christian Township 13

Range 2 Section 27 Quarter of the Quarter of the Quarter

GPS: North Degrees 39 Minutes 32 Seconds 30.7 West Degrees 89 Minutes 18 Seconds 6.6

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.1) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled 1986 4. Drilling Permit Number (and date, if known

5. Type of Well Monitoring 6. Total Depth (ft.) 37 Diameter (in.) 2

7. Formation clear of obstruction Yes

8. Detains of Plugging (bentonite, neat cement or other materials)

Filled with	Grout	From (ft.)	37	to (ft.)	8
Kind of plug	Bentonite Chip	From (ft.)	8	to (ft.)	1.5
Filled with	Concrete	From (ft.)	1.5	to (ft.)	1
Kind of plug	Topsoil	From (ft.)	1	to (ft.)	0
Filled with		From (ft.)		to (ft.)	
Kind of plug		From (ft.)		to (ft.)	

9. CASING RECORD Upper 2 feet of casing removed No 10. Date well was sealed June 4, 2024

11. Licensed water well driller or other person approved by the Department performing well sealing

Name Geoserve, Inc. Complete License Number NA

Address 416 Menge Road City Marengo State Illinois Zip Code 60152

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This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party) Ameren

2. Well Location: Well Site Address Highway 48 ROW City Taylorville Zip 62568

Lot # Land I.D.# County Christian Township 13

Range 2 Section 32 Quarter of the Quarter of the Quarter

GPS: North Degrees 39 Minutes 32 Seconds 15.3 West Degrees 89 Minutes 17 Seconds 30.6

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.1) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled 1986 4. Drilling Permit Number (and date, if known

5. Type of Well Monitoring 6. Total Depth (ft.) 37.5 Diameter (in.) 2

7. Formation clear of obstruction No

8. Detains of Plugging (bentonite, neat cement or other materials)

Filled with	TR Coated Bentonite Pell	From (ft.)	37.5	to (ft.)	5.5
Kind of plug	Bentonite Chip	From (ft.)	5.5	to (ft.)	0.5
Filled with	Concrete	From (ft.)	0.5	to (ft.)	0
Kind of plug		From (ft.)		to (ft.)	
Filled with		From (ft.)		to (ft.)	
Kind of plug		From (ft.)		to (ft.)	

9. CASING RECORD Upper 2 feet of casing removed No 10. Date well was sealed Jun 5, 2024

11. Licensed water well driller or other person approved by the Department performing well sealing

Name Geoserve, Inc. Complete License Number NA

Address 416 Menge Road City Marengo State Illinois Zip Code 60152

This state agency is requesting discolsure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631

Questions regarding the completion of this form should be directed to the local health department or the Illinois Department of Public Health 217-782-5830, TTY (for hearing impaired only) 800-547-0466.

Print Form

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 W. JEFFERSON ST.
SPRINGFIELD, IL 62761

WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party) Ameren

2. Well Location: Well Site Address Highway 48 ROW City Taylorville Zip 62568

Lot # Land I.D.# County Christian Township 13

Range 2 Section 34 Quarter of the Quarter of the Quarter

GPS: North Degrees 39 Minutes 32 Seconds 0.9 West Degrees 89 Minutes 17 Seconds 42.6

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.1) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled 1986 4. Drilling Permit Number (and date, if known

5. Type of Well Monitoring 6. Total Depth (ft.) 20.25 Diameter (in.) 2

7. Formation clear of obstruction Yes

8. Detains of Plugging (bentonite, neat cement or other materials)

Filled with	Bentonite Chip	From (ft.)	20.25	to (ft.)	1.5
Kind of plug	Concrete	From (ft.)	1.5	to (ft.)	1
Filled with	Topsoil	From (ft.)	1	to (ft.)	0
Kind of plug		From (ft.)		to (ft.)	
Filled with		From (ft.)		to (ft.)	
Kind of plug		From (ft.)		to (ft.)	

9. CASING RECORD Upper 2 feet of casing removed No 10. Date well was sealed June 5, 2024

11. Licensed water well driller or other person approved by the Department performing well sealing

Name Geoserve, Inc. Complete License Number NA

Address 416 Menge Road City Marengo State Illinois Zip Code 60152

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1. Ownership (Name of Controlling Party) Ameren

2. Well Location: Well Site Address Highway 48 ROW City Taylorville Zip 62568

Lot # Land I.D.# County Christian Township 13

Range 2 Section 34 Quarter of the Quarter of the Quarter

GPS: North Degrees 39 Minutes 32 Seconds 12.6 West Degrees 89 Minutes 17 Seconds 36.6

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.1) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled 1993 4. Drilling Permit Number (and date, if known

5. Type of Well Monitoring 6. Total Depth (ft.) 32.5 Diameter (in.) 2

7. Formation clear of obstruction Yes

8. Detains of Plugging (bentonite, neat cement or other materials)

Filled with	Bentonite Chip	From (ft.)	32.5	to (ft.)	1.5
Kind of plug	Concrete	From (ft.)	1.5	to (ft.)	1
Filled with	Topsoil	From (ft.)	1	to (ft.)	0
Kind of plug		From (ft.)		to (ft.)	
Filled with		From (ft.)		to (ft.)	
Kind of plug		From (ft.)		to (ft.)	

9. CASING RECORD Upper 2 feet of casing removed No 10. Date well was sealed June 5, 2024

11. Licensed water well driller or other person approved by the Department performing well sealing

Name Geoserve, Inc. Complete License Number NA

Address 416 Menge Road City Marengo State Illinois Zip Code 60152

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