October 15, 2025

Mr. Greggory Miller
Illinois Environmental Protection Agency
2520 West Iles Avenue
Springfield, IL 62704

Re: Request to Abandon GW-20
917 South Webster Street
Taylorville Former Manufactured Gas Plant
LPC #170000173096 – Christian County

Dear Mr. Miller:

On behalf of Ameren, Environmental Resources Management (ERM) has prepared a *Request to Abandon GW-20*, dated October 15, 2025, for the former manufactured gas plant (FMGP) site at 917 South Webster Street in Taylorville, Illinois.

Ameren appreciates your assistance and cooperation as we proceed with this project. If you have any questions regarding the responses provided, or need additional information, please feel free to contact me.

Respectfully,

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

Attachment

Attachments

Request to Abandon GW-20,
dated October 15, 2025

1701 Golf Road
Suite 1-700
Rolling Meadows, IL
60008

T +1 314 733 4489

erm.com

Mr. Greggory Miller
Illinois Environmental Protection Agency
Federal Site Remediation Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276
greggory.miller@illinois.gov

DATE
7 October 2025

SUBJECT
EPA ID: ILD981781065
Ameren Taylorville MGP Site, Taylorville, IL
Request to Abandon GW-20

ERM REFERENCE
0742173

Dear Mr. Miller:

On behalf of Ameren Services (Ameren), Environmental Resources Management, Inc. (ERM) is requesting approval from the Illinois Environmental Protection Agency (IEPA) for abandonment of monitoring well GW-20 associated with the Ameren Taylorville Manufactured Gas Plant (MGP) Site located at 917 South Webster Street in Taylorville, IL (the "Site"). The Site was formerly referenced as the 'Central Illinois Public Service Company (CIPS)' and 'CIPS/Taylorville MGP Site'.

Monitoring well GW-20 is currently sampled quarterly as part of the Site quarterly groundwater monitoring program. Historical groundwater samples collected from this monitoring well contained detections of polycyclic aromatic hydrocarbons (PAHs) above site-specific clean up objectives (CUOs) established in the Unites States Environmental Protection Agency (USEPA) 1992 Record of Decision (ROD) for the Site. These PAHs include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene.

However, site-specific data indicates that the PAHs detected in the groundwater samples collected at GW-20 are not related to the Taylorville MGP Site. Since groundwater samples collected from this monitoring well are not representative of groundwater originating from the Site, ERM is requesting approval for the abandonment of monitoring well GW-20 and discontinuation of groundwater monitoring at this location.

The following sections explain the rationale for why groundwater samples collected from GW-20 are not representative of groundwater related to the Site.

Monitoring Well Construction

Monitoring well GW-20 is located approximately 1,200 feet south of the Site as shown on the figure provided in Attachment A. This monitoring well was installed in 1993 by Hanson Engineers and is screened at a shallow depth between 4.5 and 9.5 feet below ground surface (bgs) as shown in well construction diagram provided in Attachment B.

GW-20 is located within a drainage swale that receives surface water runoff from nearby areas, including Manners Park, Highway 48, and adjacent residential properties. Due to its shallow screened interval, GW-20 monitors the water table, with groundwater typically encountered between approximately 5 to 8 feet bgs at this location. As a result, groundwater samples collected from GW-20 are influenced by localized surface and shallow subsurface conditions and not representative of groundwater originating from the Site.

Site Groundwater Monitoring Data

Analytical results from quarterly groundwater monitoring does not indicate the presence of the PAHs detected at GW-20 at monitoring wells located between the Site and GW-20. Monitoring wells between the Site and GW-20 are shown on the well location map provided in Attachment A.

Between the Site and GW-20, monitoring wells are screened at shallow intervals between approximately 15 to 35 feet bgs and deep intervals between approximately 70 to 90 feet bgs. The following monitoring wells are located outside and downgradient of the Site boundary within Ameren owned parcels and are listed in order of closest to furthest from the Site: GW-22S, GW-22D, GW-16S, GW-16D, GW-17, GW-25, GW-18S, GW-18D, GW-19S, and GW-19D. The following monitoring wells located in Manners Park to the southeast of the Site and downgradient are listed in order of closest to furthest from the Site include: GW-26, GW-102S, GW-102D and GW-101S. As shown in Attachment C, PAHs have not been detected in groundwater samples collected from these 14 monitoring wells.

If the source of the PAHs observed in groundwater samples collected from GW-20 was the Site, samples collected from monitoring wells between the Site and GW-20 would likewise have concentrations of these compounds.

PAH Mobility in Groundwater

Generally, PAHs have a very low solubility in groundwater. The most soluble PAH is naphthalene which has a solubility of 30 mg/L in water at 25°C. Higher molecular weight PAHs such as the PAHs observed in groundwater samples collected at GW-20 have solubilities ranging between 0.0002 mg/L to 0.014 mg/L (World Health Organization, 2003). Due to their low solubility, PAHs sorb to soil particles and organic matter, which greatly limits their mobility in groundwater (Berríos-Rolón et al., 2025).

GW-20 is located about 1,200 feet south of the Site, and therefore it is unlikely that the low-solubility, relatively immobile PAHs detected in groundwater samples collected from GW-20 are related to the Site. Notably, naphthalene, the most mobile PAH, which is detected in samples collected at GW-4R, is not regularly observed in samples collected from GW-20. This further supports that PAHs in the groundwater samples collected at GW-20 are not the result of dissolved phase groundwater migration from the Site.

To further evaluate the inability for dissolved phase transport of PAHs from the Site to GW-20, the R26 equation provided in Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code 742, Appendix C, Table C) was used to calculate the predicted PAH groundwater concentrations at GW-20 from a groundwater plume originating from monitoring well GW-4R. GW-4R has historically contained the highest concentrations of PAHs in groundwater samples collected on the Site and represents leaching from the PAH source areas on the Site. Predicted PAH concentrations were calculated using an estimated groundwater flow path between GW-4R and GW-20 of 1,200 feet, and groundwater concentrations from groundwater samples collected at GW-4R during the Q3 2025 groundwater monitoring event. The calculated concentrations indicate that the predicted PAH groundwater concentrations at GW-20 are several orders of magnitude lower than observed concentrations in unfiltered groundwater samples collected from this monitoring well. This calculation further supports that the PAHs concentrations detected in groundwater samples collected at GW-20 are not from migration via dissolved groundwater from the Site.

The summary of this calculation is included in Attachment D.

Turbidity Sample Influences

Turbid groundwater (measured over 500 NTU) has historically been observed in groundwater sampled from GW-20. Due to the low volume of groundwater in the well, a bailer is used to purge and sample this monitoring well. Using a bailer agitates the water column inside the monitoring well, which increases the turbidity of the groundwater sampled from GW-20. The low volume of water in the well limits the ability to create a flow gradient into the well to flush turbidity from the well. ERM believes that the presence of the observed PAH impacts at GW-20 are related to the elevated turbidity from the groundwater sampled at this location. Field-filtered groundwater samples collected from GW-20 during the first and second quarter 2025 groundwater sampling events do not contain detections of PAHs above laboratory reporting limits. This finding suggests that the primary source of previous detections of PAHs in the unfiltered samples collected from this monitoring well are from PAHs sorbed to localized suspended soil.

An exception was observed during the third quarter 2025 sampling event. Prior to sampling, groundwater purged from GW-20 exhibited turbidity exceeding the instrument's maximum calibration limit of 1,000 NTU. The field-filtered sample collected from GW-20 during this sampling event contained PAHs above reporting limits. These detections are attributed to the exceptionally high turbidity and the presence of colloidal particles small enough to pass through the 0.45-micron field filter. The laboratory noted a discoloured yellow hue in the filtered sample, which indicates the presence of these colloidal particles. Therefore, the laboratory analysis likely detected particulate-bound PAHs rather than dissolved PAHs in the groundwater which is consistent with the overall interpretation that PAHs are associated with suspended soil particles rather than dissolved phase PAHs in groundwater.

Conclusion

PAH exceedances in groundwater samples collected from GW-20 are not a result of dissolved phase groundwater migration from the Site. The PAHs observed at GW-20 have very low solubilities in groundwater, which greatly limits their dissolved phase groundwater migration potential. Groundwater monitoring data shows no detections of PAHs in the 14 monitoring wells located between the Site and GW-20. Furthermore, predictive modeling using the R26 equation developed by the IEPA calculated PAH concentrations at GW-20 several orders of magnitude lower than observed in groundwater samples collected from this monitoring well.

The PAHs detected in the groundwater samples collected from GW-20 are laboratory detections of PAHs sorbed to soil particles suspended in the groundwater rather than detection of dissolved phase PAHs. This is supported by the observation that field filtered groundwater samples collected from GW-20 during the first and second quarter 2025 groundwater sampling events did not contain detections of PAHs above laboratory reporting limits.

Given GW-20 is screened at a shallow screened interval, and located within a drainage swale, groundwater samples collected from GW-20 are influenced by localized surface and shallow subsurface conditions and not representative of groundwater originating from the Site.

Therefore, ERM is requesting permission to exclude GW-20 from the groundwater monitoring program and abandon this monitoring well in accordance with the Illinois Department of Public Health guidelines.

Should you have any questions or comments, please do not hesitate to contact ERM at your convenience.

Yours sincerely,




Michael Abegg	Jarred Schmidt	Brett Carney, PG	Dan Wilkens, PG
Managing Consultant	*Principal Consultant*	*Subject Matter Expert*	*Partner*

cc: Brian Martin, Ameren Services
Amy Weber, Ameren Services

REFERENCES

Berríos-Rolón, P. J., Cotto, M. C., & Márquez, F. (2025). Polycyclic Aromatic Hydrocarbons (PAHs) in Freshwater Systems: A Comprehensive Review of Sources, Distribution, and Ecotoxicological Impacts. *Toxics*, *13*(4), 321. https://doi.org/10.3390/toxics13040321

Illinois Administrative Code, Title 35, Part 742, Subpart L, Appendix C, Table C, Equation R26

World Health Organization. (2003). Polynuclear aromatic hydrocarbons in drinking-water: Background document for development of WHO guidelines for drinking-water quality (WHO/SDE/WSH/03.04/59). https://www.who.int/docs/default-source/wash-documents/wash-chemicals/polynuclear-aromatic-hydrocarbons-background-document.pdf

ATTACHMENT A MONITORING WELL LOCATION MAP

DRAWN BY: Shannon Long

Legend

- Monitoring Well
- Annual Well
- Abandoned Monitoring Well
- East Extraction Well (Abandoned)
- West Extraction Well
- Remediation Site Boundary
- Ameren Owned Parcel

NOTES:

1. Aerial Imagery: Esri - World Topoographic Map
2. Monitoring wells: Sampled during Quarterly and Annual Groundwater Monitoring events
3. Annual well: Sampled during Annual Groundwater Monitoring event only.

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

Environmental Resources Management
www.erm.com
ERM

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

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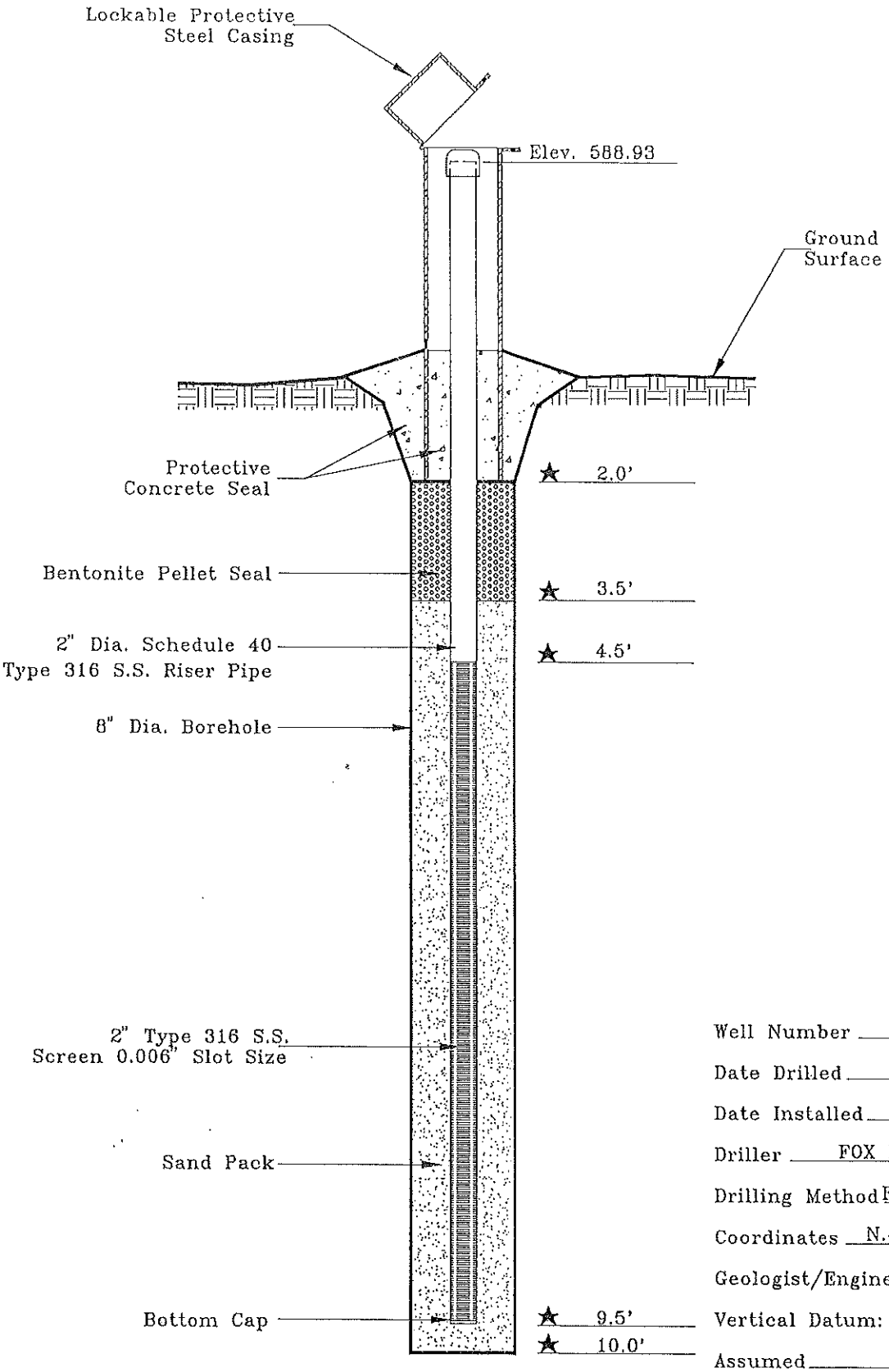
ATTACHMENT B GW-20 CONTSTRUCTION DIAGRAM



Well Number GW-20

Date Drilled 2/10/93

Date Installed 2/11/93

Driller FOX DRILLING INC.

Drilling Method FLIGHT A. & H.S.A.

Coordinates N.4028.2, E.4978.5

Geologist/Engineer PAC

Vertical Datum:

Assumed _____ U.S.G.S. X

★ Depth Below Ground Surface

Not to Scale

MONITOR WELL GW-20

HANSON ENGINEERS INCORPORATED

CIPS
FORMER GAS PLANT SITE
TAYLORVILLE, ILLINOIS

Job No. 85S3086S ATTACHMENT A-5

I:\DRAWINGS\85S3086S\013.DWG 02/02/95 14:59 WG

ATTACHMENT C HISTORICAL GROUNDWATER MONITORING RESULTS

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

		Location	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R
		Sample Date	02/24/2021	05/13/2021	05/13/2021	08/12/2021	08/12/2021	11/09/2021	02/17/2022	02/17/2022	05/12/2022	05/12/2022	09/08/2022	11/30/2022	02/15/2023	02/15/2023
		Sample Type	N	N	FD	N	FD	N	N	FD	N	FD	N	N	N	FD
		Depth	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	632	341	775	652	658	798	1150	1180	1100	1070	670	895	609	612
Bromoform	ug/L	0.2	< 2	< 100	< 20	< 100	< 2	< 200	< 2	< 2	< 100	< 100	< 20.0	< 2.00	< 10.0	< 0.20
Ethylbenzene	ug/L	700	155	104	216	235	243	331	476	500	312	330	249	304	250	250
m,p-Xylenes	ug/L	NS	165	80.5	158	135	146	166	108	104	225	229	112	56.6	63.5	64.5
Methylene chloride	ug/L	0.2	< 2	< 100	< 20	< 100	< 2	< 200	< 2	< 2	< 100	< 100	< 20.0	< 20.0	< 100	< 2.00
Naphthalene	ug/L	25	2790	1510	3150	3020	3020	3520	2530	2620	3550	3350	3540	2340	2380	2490
o-Xylene	ug/L	NS	140	67	137	108	118	178	241	244	176	184	157	187	136	148
Toluene	ug/L	1000	208	184	409	256	255	216	90.5	94.6	338	357	104	100	72 j	70.8
trans-1,2-Dichloroethene	ug/L	100	< 2	< 100	< 20	< 100	< 2	< 200	< 2	< 2	< 100	< 100	< 20.0	< 20.0	< 100	< 2.00
Xylene, Total	ug/L	10000	304	148	295	243	265	344	350	347	400	412	269	243	199	213
SVOCs																
Acenaphthene	mg/L	0.42	0.0175	0.026	0.026	0.022	0.0239	0.0274	0.0316	0.0348	0.0339	0.0437	0.0404	0.00135	0.0348	0.0334
Acenaphthylene	mg/L	0.21	0.00147	0.00229	0.00303	0.00618	0.00584	0.00531	0.00244	0.0029	0.00893	0.0101	0.00446	0.00447	0.00218	0.00195
Anthracene	mg/L	2.1	0.000792	0.000654	0.00109	0.000745	0.000691	0.00093	0.0012	0.000864	< 0.0003	< 0.0003	0.000749	0.00241	0.000925	0.000616
Benzo(a)anthracene	mg/L	0.00013	0.000133	0.000186	0.000261	0.000158	0.000173	0.000214	0.000104	0.000085 j	< 0.0001	0.000115	0.000090 j	0.00194	0.000150	0.000109
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00012 j	< 0.000200	0.00017 j	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	0.00012	0.000229	0.000376	0.000125	0.000192	0.000226	< 0.0001	0.000084 j	< 0.0001	0.000128	< 0.000100	0.00252	0.000101	0.000070 j
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	0.00019 j	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	0.000544	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	0.000077 j	0.000124	< 0.0001	< 0.0001	0.00007 j	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	0.000697	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	0.000334	0.000493	0.000747	0.000491	0.000501	0.000754	0.0002	0.000196	0.00013	0.00022	0.000241	0.00674	0.000513	0.000385
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	0.000256	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.0029	0.00334	0.0045	0.00379	0.00404	0.00397	0.00375	0.00357	0.00289	0.00383	0.00414	0.0210	0.00489	0.00457
Fluorene	mg/L	0.28	0.0607	0.0733	0.0735	0.0689	0.0776	0.07	0.0906	0.0765	0.0847	0.104	0.0853	0.0841	0.0800	0.0801
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	0.00018 j	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	0.000588	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	0.0086 j	0.0164	0.022	0.007 j	0.0083 j	< 0.01	0.0023 j	0.0018 j	0.0046 j	0.0068 j	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	0.0123	0.0209	0.0244	0.0095 j	0.0074 j	< 0.01	0.0059 j	0.0035 j	0.0058 j	0.008 j	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	1.53	1.82	1.86	1.62	1.75	2.43	1.82	1.82	2.77	3.54	2.80	1.50	1.83	1.86
Phenanthrene	mg/L	0.21	0.0576	0.0674	0.0647	0.0562	0.0609	0.0542	0.0801	0.075	0.0715	0.0888	0.0799	0.142	0.0722	0.0735
Pyrene	mg/L	0.21	0.00149	0.00143	0.00219	0.00184	0.00184	0.0019	0.00177	0.00174	0.00131	0.00184	0.00176	0.0124	0.00208	0.00203

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

Qualifier Definition(s)

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

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

		Location	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R	GW-4R
		Sample Date	05/18/2023	05/18/2023	09/13/2023	09/13/2023	10/27/2023	10/27/2023	02/15/2024	02/15/2024	05/10/2024	05/10/2024	08/30/2024	08/30/2024	11/22/2024	11/22/2024
		Sample Type	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD
		Depth	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft	16 - 26 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	341	364	235	241	346	392	1380	1500	1130	999	1150	1180	1030	1090
Bromoform	ug/L	0.2	< 2.00	< 10.0	< 2.00	< 2.00	< 2.00	< 0.20	< 5.00	< 2.00	< 0.20	< 0.20	< 4.00	< 4.00	< 2.00	< 2.00
Ethylbenzene	ug/L	700	186	184	144	144	117	159	322	369	295	261	261	261	306	319
m,p-Xylenes	ug/L	NS	39.3	48 j	19.1	20.8	14.7	19.7	124 J	145 J	226	216	119	110	79.3	80.5
Methylene chloride	ug/L	0.2	38.3	< 100	< 20.0	10 j	< 20.0	< 2.00	< 50.0	< 20.0	< 2.00	< 2.00	< 40.0	< 40.0	< 20.0	< 20.0
Naphthalene	ug/L	25	1580	1480	814	740	510	531	1700	1940	2300 J	2220 J	1790	1730	1120	1160
o-Xylene	ug/L	NS	93.4	100	80.3	82.1	62.0	80.8	182	203	196	188	185	181	188	200
Toluene	ug/L	1000	30.5	42 j	14 j	15 j	24.8	34.8	320	378	132	125	159	153	171	185
trans-1,2-Dichloroethene	ug/L	100	< 20.0	< 100	< 20.0	< 20.0	< 20.0	< 2.00	< 50.0	< 20.0	< 2.00	< 2.00	< 40.0	< 40.0	< 20.0	< 20.0
Xylene, Total	ug/L	10000	133	148	99.4	103	76.7	101	306	348	422	403	304	291	267	281
SVOCs																
Acenaphthene	mg/L	0.42	0.0190 H	0.0241 H	0.0290	0.0299	0.0330	0.0373	0.0308	0.0293	0.0171 J	0.0203 J	0.0203	0.0217	0.0341	0.0323
Acenaphthylene	mg/L	0.21	0.000868 H	0.00117 H	0.00144	0.00154	0.00163	0.00183	0.00242	0.00226	0.0062 j	0.0056 j	0.0034 j	0.0037 j	0.0133	0.0172
Anthracene	mg/L	2.1	0.000346 H	0.000476 H	0.000854	0.000802	0.000920	0.00135	0.000936	0.000831	0.00122 J+	0.00153	0.00180	0.00201	0.0135	0.0158
Benzo(a)anthracene	mg/L	0.00013	< 0.000100 HU	0.000072 jH	0.000096 j	0.000078 j	0.000570	0.000620	0.000113	0.000109	0.000205 J+	0.000204	0.000267	0.000251	0.0122	0.0157
Benzo(a)pyrene	mg/L	0.0002	< 0.000200 HU	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00177	0.00230
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100 HU	< 0.000100 HU	< 0.000100	< 0.000100	0.000557	0.000591	< 0.000100	0.000092 j	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.0172	0.0211
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200 HU	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00406 J	0.00584 J
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100 HU	< 0.000100 HU	< 0.000100	< 0.000100	0.000116	0.000139	< 0.000100	< 0.000100	< 0.000200	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	0.00464 J	0.00720 J
Chrysene	mg/L	0.0015	0.000210 H	0.000170 H	0.000209	0.000187	0.00217	0.00233	0.000279	0.000276	0.000455 J+	0.000436	0.000541	0.000585	0.0232	0.0281
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200 HU	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00222	0.00289
Dibutyl phthalate	mg/L	0.7	< 0.0100 HU	< 0.0100 HU	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.00257 H	0.00276 H	0.00460	0.00444	0.00893	< 0.0150	0.00472	0.00417	< 0.0300	< 0.0300	< 0.0150	< 0.0150	0.0430	0.0628
Fluorene	mg/L	0.28	0.0397 H	0.0537 H	0.0616	0.0538	0.0573	0.0802	0.0719	0.0706	0.0672	0.0691	0.0888	0.0955	0.0927	0.0992
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200 HU	< 0.000200 HU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00449	0.00598
m,p-cresol	mg/L	0.35	< 0.0100 HU	< 0.0100 HU	< 0.0100	< 0.0100	0.00079 j	0.0010 j	< 0.0100	< 0.0100	< 0.0100	< 0.0100	0.0037 j	< 0.0100	0.0029 j	0.0022 j
o-Cresol	mg/L	0.35	0.00090 jH	0.00098 jH	< 0.0100	< 0.0100	< 0.0100	0.0010 j	< 0.0100	< 0.0100	< 0.0100	< 0.0100	0.0043 j	0.0046 j	0.0026 j	0.0020 j
Naphthalene	mg/L	0.025	< 0.000400 HU	0.398 H	0.410	0.446	0.343	0.414	0.839	0.634	1.02	1.38	1.22	1.04 J+	0.809	0.876
Phenanthrene	mg/L	0.21	0.0148 H	0.0461 H	0.0694	< 0.150	0.0669	0.0915	0.0716	0.0726	0.0679	0.0648	0.0810	0.0868	0.145	0.214
Pyrene	mg/L	0.21	0.000948 H	0.00102 H	0.00225	0.00227	0.00411	0.00465	0.00225 J	0.00159 J	0.00362 J+	0.00374	0.00453	0.00444	0.0366	0.0441

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

Qualifier Definition(s)

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

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

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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
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FF = Field Filtered Sample
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1992 ROD CUOs = 1992 United Stated Enviornmer
NS = no standard
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Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associatec
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H = Analysis outside of hold time.
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Attachment C
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5
		Sample Date	02/24/2021	05/11/2021	08/12/2021	11/09/2021	02/15/2022	05/10/2022	09/07/2022	11/29/2022	02/13/2023	05/16/2023	05/16/2023	09/13/2023	09/15/2023	10/25/2023
		Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N
		Depth	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	0.18 j	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	0.22 j	< 1	< 1	1.21	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	0.31 j	< 1.00
m,p-Xylenes	ug/L	NS	0.2 j	< 1	< 1	0.99 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2 HU	< 2	1 j	< 2.00	1.0 j	0.49 Bj	< 2.00	< 2.00	1.4 j	11.0	0.93 j
o-Xylene	ug/L	NS	0.14 j	< 1	< 1	0.74 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	0.20 j	< 1.00
Toluene	ug/L	1000	0.12 j	< 2	< 2	0.3 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	0.34 j	< 2	< 2	1.7 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.000075 j	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	0.00111	< 0.0004	0.00194	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	0.000663	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	0.000838	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	0.000221	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5
		Sample Date	02/13/2024	05/07/2024	08/29/2024	11/20/2024	03/18/2025	05/05/2025	08/04/2025
		Sample Type	N	N	N	N	N	N	N
		Depth	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft	50.75 - 61 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result
VOCs									
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	0.23 j	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00 HU	2.1 j	4.04	< 2.00	0.65 j	< 2.00
o-Xylene	ug/L	NS	< 1.00	0.15 j	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	0.12 j	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs									
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	0.000074 j	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.0050	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
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UJ = The analyte was analyzed for, but was not detectec
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Attachment C
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

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

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

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

		Location	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7
		Sample Date	05/09/2024	05/09/2024	08/30/2024	11/21/2024	02/25/2025	05/07/2025	05/07/2025	08/06/2025
		Sample Type	N	FD	N	N	N	N	FD	N
		Depth	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result
VOCs										
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 UJ	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	2.81	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00	< 2.00
SVOCs										
Acenaphthene	mg/L	0.42	0.000136	0.000121	0.000204	0.000233	0.000115	0.000130	0.000104	0.000153
Acenaphthylene	mg/L	0.21	0.000177	0.000182	0.000247	0.000177	0.000108	0.000145	0.000121	0.000136
Anthracene	mg/L	2.1	0.00193	0.00141	0.00222	0.00187	0.00118	0.00151	0.00123	0.00136
Benzo(a)anthracene	mg/L	0.00013	0.000218	0.000183	0.000285	0.000229	0.000178	0.000199	0.000180	0.000206
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	0.000204	0.00014 j	0.00020 j	0.000242	0.00014	0.00016 j	0.00013 j	0.00015 j
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.00129	0.000934	0.00139	0.00125	0.000701	0.000756	0.000612	0.000759
Fluorene	mg/L	0.28	0.000343	0.000334	0.000536	0.000648	0.000304	0.000304	0.000254	0.000326
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	0.00496	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	0.00059 j	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	0.00336 J	0.00237 J	0.00375	0.00302	0.00230	0.00255	0.00208	0.00238

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

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

		Location	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14
		Sample Date	02/23/2021	05/11/2021	08/12/2021	11/09/2021	02/16/2022	05/11/2022	09/07/2022	11/29/2022	02/14/2023	05/17/2023	09/13/2023	10/26/2023	02/13/2024	05/09/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.38 j	< 1	< 1	< 1.00	< 1.00	0.11 j	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.72 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	1.6 j	0.49 j	< 2	2.53	< 2	< 2	< 2.00	0.62 j	< 2.00 BU	< 2.00	< 2.00	< 2.00	0.64 j	1.1 j
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.36 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	0.19 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	1.1 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-14	GW-14	GW-14	GW-14	GW-14
		Sample Date	08/29/2024	11/21/2024	02/25/2025	05/07/2025	08/06/2025
		Sample Type	N	N	N	N	N
		Depth	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft	84 - 94 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50 UJ	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15
		Sample Date	02/23/2021	05/13/2021	05/13/2021	08/12/2021	11/09/2021	02/17/2022	02/17/2022	05/11/2022	09/08/2022	11/30/2022	02/15/2023	02/15/2023	05/18/2023	05/18/2023
		Sample Type	N	N	FD	N	N	N	FD	N	N	N	N	FD	N	FD
		Depth	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	< 1	0.16 j	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	< 1	0.43 j	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	1.1 j	< 2	< 2	< 2	1.6 j	< 2	< 2	< 2	< 2.00	0.55 j	< 2.00 BU	< 2.00 BU	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	0.13 j	< 1	< 1	< 1	0.11 j	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	< 2	0.56 j	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	0.000094 j	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100 HU
Acenaphthylene	mg/L	0.21	< 0.0001	0.000063 j	0.000084 j	< 0.0001	< 0.0001	< 0.0001	0.000074 j	< 0.0001	0.000077 j	< 0.000100	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100 HU
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300 HU	< 0.000300 HU
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	0.00007 j	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100 HU
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	0.000075 j	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100 HU
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100 HU
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 HU	< 0.000100 HU
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100 HU	< 0.0100 HU
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300 HU	< 0.000300 HU
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	0.000287	< 0.000200	0.00010 j	0.000204 H	< 0.000200 HU
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100 HU	< 0.0100 HU
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100 HU	< 0.0100 HU
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	0.00366	0.00414	< 0.000400	< 0.000400	< 0.000400 HU	< 0.000400 HU
Phenanthrene	mg/L	0.21	< 0.0006 RU	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600 HU	< 0.000600 HU
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 HU	< 0.000200 HU

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

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

		Location	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15
		Sample Date	09/13/2023	10/27/2023	02/15/2024	05/10/2024	08/30/2024	11/22/2024	02/26/2025	05/08/2025	08/06/2025
		Sample Type	N	N	N	N	N	N	N	N	N
		Depth	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft	80 - 90 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs											
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	0.60 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs											
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	0.000087 j	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000056 j	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.000350
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	0.00019 j	0.000219	< 0.000200	< 0.000200	< 0.000200	0.00019 j	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	0.00250	0.00315	< 0.000400	< 0.000400	< 0.000400	0.000894	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000229

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

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

		Location	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D
		Sample Date	02/22/2021	05/10/2021	08/10/2021	11/08/2021	02/15/2022	05/09/2022	09/06/2022	11/28/2022	02/13/2023	05/15/2023	09/14/2023	10/25/2023	02/14/2024	05/09/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	0.15 j	< 0.5	< 0.5	0.38 j	0.52	0.71	0.70	0.80	0.76	0.64	< 0.71	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.16 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.52 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	0.34 j	< 2	< 2	0.92 j	< 2	< 2	< 2.00	0.51 j	< 2.00 BU	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.13 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	0.13 j	< 2	0.10 j	0.12 j	< 2.00	0.13 j	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.65 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000076 j	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	0.00101	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D
		Sample Date	08/28/2024	11/20/2024	02/25/2025	05/07/2025	08/05/2025
		Sample Type	N	N	N	N	N
		Depth	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft	81 - 91 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	0.41 j	< 0.50 UJ	< 0.50	0.26 j
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S
		Sample Date	02/22/2021	05/10/2021	08/10/2021	11/08/2021	02/15/2022	05/09/2022	09/06/2022	11/28/2022	02/13/2023	05/15/2023	09/14/2023	10/25/2023	02/13/2024	05/09/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.16 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.49 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	0.43 j	< 2	< 2	1.2 j	< 2	< 2	< 2.00	0.52 j	< 2.00 BU	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.12 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.61 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000076 j	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	0.00057	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	0.000992	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	0.00255	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	0.000486	< 0.0002	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S
		Sample Date	08/28/2024	11/20/2024	02/25/2025	05/07/2025	08/05/2025
		Sample Type	N	N	N	N	N
		Depth	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-17
		Sample Date	02/22/2021	05/10/2021	08/10/2021	11/08/2021	02/15/2022	05/09/2022	09/06/2022	11/28/2022	02/13/2023	05/15/2023	09/14/2023	10/25/2023	02/14/2024	05/09/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.12 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.53 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	0.38 j	< 2	< 2	< 2	< 2	< 2	< 2.00	0.49 j	< 2.00 BU	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.12 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.65 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000074 j	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-17	GW-17	GW-17	GW-17	GW-17
		Sample Date	08/28/2024	11/20/2024	02/25/2025	05/06/2025	08/05/2025
		Sample Type	N	N	N	N	N
		Depth	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D
		Sample Date	02/23/2021	02/23/2021	05/11/2021	08/11/2021	11/10/2021	02/16/2022	05/09/2022	09/07/2022	09/07/2022	11/29/2022	02/14/2023	05/16/2023	09/14/2023	10/26/2023
		Sample Type	N	FD	N	N	N	N	N	N	fd	N	N	N	N	N
		Depth	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	< 1	0.13 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	< 1	0.41 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	0.54 j	< 2.00 BU	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	0.13 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	0.12 j	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	< 2	0.54 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 BU	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	0.00185	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D
		Sample Date	02/14/2024	05/07/2024	08/29/2024	11/20/2024	02/24/2025	05/06/2025	08/05/2025
		Sample Type	N	N	N	N	N	N	N
		Depth	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft	74 - 84 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result
VOCs									
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	0.10 j	< 0.50 UJ	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	0.19 j	0.21 j	0.36 j	0.36 j	0.31 J	0.38 j	0.42 j
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
SVOCs									
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S
		Sample Date	02/23/2021	05/11/2021	08/11/2021	11/10/2021	11/10/2021	02/16/2022	05/09/2022	09/07/2022	11/29/2022	02/14/2023	05/16/2023	09/14/2023	10/26/2023	02/14/2024
		Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
		Depth	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.11 j	0.13 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.39 j	0.45 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	0.48 j	< 2.00 BU	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	0.11 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	0.13 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.39 j	0.56 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003 BU	< 0.0003 BU	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000071 j	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
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J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
R= RPD outside accepted recovery limits.
S = Spike Recovery outside recovery limits.
RJ= Sample results rejected from data set.Refer to Data Validation memo.

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

		Location	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S
		Sample Date	05/07/2024	08/29/2024	11/20/2024	02/24/2025	05/06/2025	08/05/2025
		Sample Type	N	N	N	N	N	N
		Depth	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result
VOCs								
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs								
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

	Location		GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D
	Sample Date		02/23/2021	05/11/2021	08/11/2021	11/10/2021	02/16/2022	05/09/2022	09/07/2022	11/29/2022	02/14/2023	05/16/2023	09/14/2023	10/26/2023	02/14/2024
	Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N
	Depth		72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs															
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.13 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.5 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	0.47 Bj	< 2.00 BU	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.12 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	0.12 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.62 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs															
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	0.000159	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003 BU	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D	GW-19D
		Sample Date	05/07/2024	08/29/2024	11/19/2024	02/24/2025	05/06/2025	08/05/2025
		Sample Type	N	N	N	N	N	N
		Depth	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft	72.5 - 82.5 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result
VOCs								
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50 UJ	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
SVOCs								
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S
		Sample Date	02/23/2021	05/11/2021	08/11/2021	11/10/2021	02/16/2022	02/16/2022	05/09/2022	09/07/2022	11/29/2022	11/29/2022	02/14/2023	02/14/2023	05/16/2023	09/14/2023
		Sample Type	N	N	N	N	N	FD	N	N	N	FD	N	FD	N	N
		Depth	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.15 j	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.5 j	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	0.50 j	0.46 Bj	< 2.00 BU	< 2.00 BU	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.11 j	< 1	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.61 j	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003 BU	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S
		Sample Date	10/26/2023	02/14/2024	05/07/2024	08/29/2024	11/19/2024	02/24/2025	05/06/2025	08/05/2025
		Sample Type	N	N	N	N	N	N	N	N
		Depth	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft	12 - 22 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result
VOCs										
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 UJ
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20 UJ
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 UJ
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00 UJ
SVOCs										
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000100	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000100	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000100	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

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

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

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

		Location	GW-20	GW-20	GW-20	GW-20	GW-20(FF)	GW-20
		Sample Date	05/07/2024	08/29/2024	11/19/2024	02/24/2025	02/24/2025	05/06/2025
		Sample Type	N	N	N	N	N	N
		Depth	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result
VOCs								
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50 UJ	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20 UJ	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00 UJ	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.0	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00 UJ	< 2.00	< 2.00
SVOCs								
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	0.000113	0.000285	0.000192	< 0.000100	< 0.000100	0.000237
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	0.000089 j	0.000203	0.000205	0.000072	< 0.000100	0.000212
Benzo(a)pyrene	mg/L	0.0002	0.000328	0.000883	0.000535	0.000241	< 0.000200	0.00102
Benzo(b)fluoranthene	mg/L	0.00018	0.000282 J	0.000745	0.000710	0.000211	< 0.000200	0.000883
Benzo(g,h,i)perylene	mg/L	0.21	0.000566	0.000992	0.000832	0.000238	< 0.000200	0.000910
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	0.000252 J	0.00018 j	< 0.000200	< 0.000200	0.000211
Chrysene	mg/L	0.0015	0.00017 j	0.000344	0.000247	< 0.000200	< 0.000200	0.000336
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	0.00013 j	< 0.000200	< 0.000200	< 0.000200	0.00018 j
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	0.000314 J	0.000746	0.000492	< 0.000200	< 0.000200	0.000636
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	0.000212	0.000428	0.000422	< 0.000200	< 0.000200	0.000468

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

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

		Location	GW-20(FF)	GW-20(FF)	GW-20(FF)
		Sample Date	02/24/2025	05/06/2025	08/04/2025
		Sample Type	N	N	N
		Depth	4.5 - 9.5 ft	4.5 - 9.5 ft	4.5 - 9.5 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result
VOCs					
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.0	0.24 j	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	0.41 j	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00
SVOCs					
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	0.000123
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	0.000342
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	0.000351
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	0.000282
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	0.00015 j
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	0.000260
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	0.000250

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

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

		Location	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D
		Sample Date	02/23/2021	05/12/2021	08/12/2021	11/09/2021	02/16/2022	05/10/2022	09/06/2022	11/28/2022	02/14/2023	05/16/2023	09/14/2023	10/26/2023	10/26/2023	02/15/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
		Depth	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	0.52	1.2	0.45 j	0.21 j	< 0.5 SU	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.12 j	< 1 SU	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.43 j	< 1 SU	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00 BU	0.59 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.11 j	< 1 SU	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2 SU	< 2	< 2.00	0.11 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.54 j	< 2 SU	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200 BU	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	0.000955	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D
		Sample Date	05/09/2024	08/30/2024	11/21/2024	02/26/2025	05/07/2025	08/06/2025
		Sample Type	N	N	N	N	N	N
		Depth	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft	79 - 89 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result
VOCs								
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs								
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S
		Sample Date	02/22/2021	05/12/2021	08/11/2021	08/11/2021	11/09/2021	11/09/2021	02/16/2022	05/10/2022	09/07/2022	11/29/2022	02/14/2023	05/16/2023	09/14/2023	10/26/2023
		Sample Type	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N
		Depth	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	0.14 j	< 1	< 1	< 1	0.11 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	0.2 j	< 1	< 1	0.39 j	0.47 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	0.47 Bj	< 2.00 BU	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	0.13 j	< 1	< 1	< 1	0.11 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.12 j	< 2.00	0.22 j	0.25 j	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	0.33 j	< 2	< 2	0.39 j	0.58 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.000068 j	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000071 j	0.00007 j	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S
		Sample Date	02/15/2024	05/09/2024	05/09/2024	08/30/2024	08/30/2024	11/21/2024	11/21/2024	02/26/2025	02/26/2025	05/08/2025	05/08/2025	08/06/2025	08/06/2025
		Sample Type	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD
		Depth	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft	25 - 35 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs															
Benzene	ug/L	5	115	8.66	8.58	0.88	0.89	3.23	3.07	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	1.98	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.0	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	0.75 j	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	2.51	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.0	< 2.00	< 2.00	< 2.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	3.26	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs															
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000074 j	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	0.000078 j	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000200 UJ	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	0.000065 j	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	0.00029 j	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25	GW-25
		Sample Date	02/23/2021	05/12/2021	08/11/2021	11/08/2021	02/15/2022	05/10/2022	09/06/2022	11/28/2022	02/13/2023	05/15/2023	09/14/2023	10/26/2023	02/14/2024	05/09/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.16 j	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.11 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.48 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	3.29	< 2	< 2	< 2	< 2	< 2	< 2.00 BU	0.46 Bj	< 2.00 BU	< 2.00	1.5 j	3.77	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.1 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	0.40 j	0.29 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.58 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.0012 j	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-25	GW-25	GW-25	GW-25	GW-25
		Sample Date	08/28/2024	11/21/2024	03/18/2025	05/07/2025	08/18/2025
		Sample Type	N	N	N	N	N
		Depth	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	0.86 j	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.0	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 UJ
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 UJ
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100 UJ	0.00060 j
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100 UJ	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26	GW-26
		Sample Date	02/24/2021	05/11/2021	08/12/2021	11/08/2021	02/15/2022	05/10/2022	09/06/2022	11/28/2022	02/13/2023	05/15/2023	09/15/2023	10/26/2023	02/15/2024	05/08/2024
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Depth	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs																
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1	< 1	< 1	0.15 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	0.52 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	0.52 j	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00 BU	< 2.00 BU	< 2.00	0.69 j	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1	< 1	< 1	0.12 j	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	0.21 j	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2	< 2	< 2	0.64 j	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs																
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	0.000072 j	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	0.000081 j	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ
Benzo(g,h,i)perylene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibutyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	0.000215	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 BU	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 UJ
m,p-cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.0004	< 0.0004	0.00429	< 0.0004	< 0.0004	< 0.0004	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 BU	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

		Location	GW-26	GW-26	GW-26	GW-26	GW-26
		Sample Date	08/29/2024	11/20/2024	03/18/2025	05/06/2025	08/04/2025
		Sample Type	N	N	N	N	N
		Depth	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft	26 - 36 ft
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result
VOCs							
Benzene	ug/L	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 1.00	0.12 j	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 2.00	4.25	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs							
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000100 UJ
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 UJ
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200

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

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

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

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

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

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

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

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

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

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

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

		Location	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK	TRIP_BLANK
		Sample Date	02/25/2021	02/25/2021	05/13/2021	05/13/2021	08/12/2021	08/12/2021	11/10/2021	11/10/2021	02/17/2022	02/17/2022	05/12/2022	05/12/2022	09/07/2022
		Sample Type	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs															
Benzene	ug/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0
Ethylbenzene	ug/L	700	< 1	< 1	< 1	< 1	< 1	< 1	0.21 j	0.2 j	< 1	< 1	< 1	< 1	< 2.0
m,p-Xylenes	ug/L	NS	< 1	< 1	< 1	< 1	< 1	0.21 j	0.85 j	0.93 j	< 1	< 1	< 1	< 1	
Methylene chloride	ug/L	0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0
Naphthalene	ug/L	25	< 2	< 2	< 2	< 2	< 2	< 2	0.67 j	< 2	< 2	< 2	< 2	< 2	< 5.0
o-Xylene	ug/L	NS	< 1	< 1	< 1	< 1	< 1	< 1	0.16 j	0.19 j	< 1	< 1	< 1	< 1	
Toluene	ug/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	0.11 j	0.11 j	< 2	< 2	< 2	< 2	< 2.0
trans-1,2-Dichloroethene	ug/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0
Xylene, Total	ug/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	1 j	1.1 j	< 2	< 2	< 2	< 2	< 4.0

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmental Protection Agency Record of Decision Clean Up Objectives
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Analysis performed by TEKLAB

Qualifier Definition(s)

J/j = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ = The analyte was analyzed for, but was not detected. The reported limit is approximate and may be inaccurate or imprecise.
J+ = The result is an estimated quantity, but the result may be biased high.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the limit displayed.
B = Analyte detected in associated method blank.
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Attachment C
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

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

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

Qualifier Definition(s)

J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
H = Analysis outside of hold time.
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Attachment C
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

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

Notes:
FD = Field Duplicate Sample
N = Normal Environmental Sample
TB = Trip Blank
EB= Equipment Blank
FF = Field Filtered Sample
mg/L = milligrams per liter
ug/L = micrograms per liter
1992 ROD CUOs = 1992 United Stated Enviornmen
NS = no standard
NA = not analyzed
Analysis performed by TEKLAB
Qualifier Definition(s)
J/j = The result is an estimated quantity. The associated
UJ = The analyte was analyzed for, but was not detecte
J+ = The result is an estimated quantity, but the result
J- = The result is an estimated quantity, but the result n
U = The analyte was analyzed for, but was not detected
B = Analyte detected in associated method blank.
E = Value above quantitation range.
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Attachment C
Analytical Data Summary 2021-August 2025
Ameren Taylorville
Taylorville, Illinois

		Location	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK	EQUIPMENT_BLANK
		Sample Date	09/08/2022	02/13/2024	05/08/2024	08/30/2024	11/19/2024	11/22/2024	02/24/2025	05/05/2025	08/04/2025
		Sample Type	EB	EB	EB	EB	EB	EB	EB	EB	EB
Analyte	Unit	1992 ROD CUOs	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOCs											
Benzene	ug/L	5	< 0.5	1.56	0.29 j	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	ug/L	0.2	< 2.0	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	ug/L	700	< 2.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
m,p-Xylenes	ug/L	NS	NA	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methylene chloride	ug/L	0.2	< 2.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Naphthalene	ug/L	25	< 5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
o-Xylene	ug/L	NS	NA	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	ug/L	1000	< 2.0	< 2.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	ug/L	100	< 2.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Xylene, Total	ug/L	10000	< 4.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
SVOCs											
Acenaphthene	mg/L	0.42	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	RJ	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	mg/L	0.21	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	RJ	< 0.000100	< 0.000100	< 0.000100
Anthracene	mg/L	2.1	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	RJ	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	mg/L	0.00013	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	RJ	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	mg/L	0.0002	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000100	< 0.000100	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200
Benzo(g,h,i)perylene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000100	< 0.000100	< 0.000200	< 0.000200 UJ	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200
Chrysene	mg/L	0.0015	< 0.000100	< 0.000100	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000100 UJ
Dibutyl phthalate	mg/L	0.7	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	RJ	< 0.0100	< 0.0100	< 0.0100
Fluoranthene	mg/L	0.28	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	RJ	< 0.000300	< 0.000300	< 0.000300
Fluorene	mg/L	0.28	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200 UJ
m,p-cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	RJ	< 0.0100	< 0.0100	< 0.0100
o-Cresol	mg/L	0.35	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	RJ	< 0.0100	< 0.0100	< 0.0100
Naphthalene	mg/L	0.025	NA	< 0.000400	< 0.000400	0.00263 J+	< 0.000400	RJ	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	mg/L	0.21	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	RJ	< 0.000600	< 0.000600	< 0.000600
Pyrene	mg/L	0.21	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	RJ	< 0.000200	< 0.000200	< 0.000200

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

ATTACHMENT D R26 EQUATION

Summary of Predicted vs Observed Concentrations at GW-20

COC	*1992 ROD CUO*	*Source Groundwater Concentration / GW-4R Concentration*	*Predicted GW-20 Groundwater Concentration*	*Observed GW-20 Groundwater Concentration*
Unit	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Benzo(a)anthracene	0.00013	0.00776	0.0000387	0.00128
Benzo(a)pyrene	0.0002	0.000591*	0.0000026	0.00433
Benzo(b)fluoranthene	0.00018	0.009 J	0.0000028	0.00400
Benzo(k)fluoranthene	0.00017	0.00301	0.0000211	0.00108
Chrysene	0.0015	0.0147	0.0000854	0.00173
Dibenzo(a,h)anthracene	0.0003	0.00217	0.0000124	0.00124
Indeno(1,2,3-cd)pyrene	0.00043	0.00329	0.0000170	0.00328
Napthalene	0.025	0.816 **	0.0006897	ND

Notes:

Source groundwater concentrations from groundwatere analytical data from samples collected at GW-4R during Q3 2025.

Observed GW-20 Groundwater Concentration from unfiltered sample collected from GW-20 during Q3 2025.

Concentration above 1992 ROD CUOs

* Benzo(a)pyrene not detected in sample collected during Q3 2025, result shown sample collected during Q4 2023.

** Napthalene results shown from 8260B analysis

ND = not detected above practical quantitation limit

J = estimated detection below laboratory reporting limit

Predicted Concentration at GW-20

(EQUATION R26)

56-55-3 **Benzo(a)anthracene**

1992 ROD CUO 0.00013 mg/L

PARAMETERS

SYMBOL	DESCRIPTION	VALUE	UNITS
C_{source} =	Concentration of contaminant in groundwater at the source	0.00776	mg/L
k =	Hydraulic conductivity	609.60	cm/day
i =	Hydraulic gradient	0.0174	cm/cm
0_T =	Total soil porosity	0.3000	cm^3/cm^3
U =	Specific discharge	35.3014	cm/day
a_X =	Longitudinal dispersity	3657.6000	cm
a_Y =	Transverse dispersity	1219.2000	cm
a_Z =	Vertical dispersity	182.8800	cm
l =	First order degradation constant	5.10E-04	d^{-1}
X =	Distance along centerline of the ground water plume emanating from the source. The (x) direction is the direction of ground water flow	36576 1200	cm feet
S_D =	Source width perpendicular to the ground water flow direction in the vertical plane	300	cm
S_W =	Source width perpendicular to the ground water flow direction in the horizontal plane	3000	cm

CALCULATED PARAMETERS

Specific Discharge, U (R19)

$U = k*i/0_T$ = 3.53E+01 cm/day

Longitudinal Dispersivity, adX0d (R16)

$a_X = 0.10*X$ = 3.66E+03 cm

Transverse Dispersivity, adY0d (R17)

$a_Y = a_X/3$= 1.22E+03 cm

Vertical Dispersivity, adZ0d (R18)

$a_Z = a_X/20$= 1.83E+02 cm

EQUATION

$C_X=C_{SOURCE}*\exp[(X/2a_X)(1-(1+(4l*a_X)/U)^{0.5})]*\text{erf}[S_W/4*(a_Y*X)^{0.5}]*\text{erf}[S_D/2*(a_Z*X)^{0.5}]$

RESULTS

C(x)= 0.0000387 mg/L

Predicted Concentration at GW-20

(EQUATION R26)

50-32-8 **Benzo(a)pyrene**

1992 ROD CUO 0.0002 mg/L

PARAMETERS

SYMBOL	DESCRIPTION	VALUE	UNITS
C_{source} =	Concentration of contaminant in groundwater at the source	0.000591	mg/L
k =	Hydraulic conductivity	609.60	cm/day
i =	Hydraulic gradient	0.0174	cm/cm
0_T =	Total soil porosity	0.3000	cm^3/cm^3
U =	Specific discharge	35.3014	cm/day
a_X =	Longitudinal dispersity	3657.6000	cm
a_Y =	Transverse dispersity	1219.2000	cm
a_Z =	Vertical dispersity	182.8800	cm
l =	First order degradation constant	6.50E-04	d^{-1}
X =	Distance along centerline of the ground water plume emanating from the source. The (x) direction is the direction of ground water flow	36576 1200	cm feet
S_D =	Source width perpendicular to the ground water flow direction in the vertical plane	300	cm
S_W =	Source width perpendicular to the ground water flow direction in the horizontal plane	3000	cm

CALCULATED PARAMETERS

Specific Discharge, U (R19)

$U = k*i/0_T$ = 3.53E+01 cm/day

Longitudinal Dispersivity, adX0d (R16)

$a_X = 0.10*X$ = 3.66E+03 cm

Transverse Dispersivity, adY0d (R17)

$a_Y = a_X/3$= 1.22E+03 cm

Vertical Dispersivity, adZ0d (R18)

$a_Z = a_X/20$= 1.83E+02 cm

EQUATION

$C_X=C_{SOURCE}*\exp[(X/2a_X)(1-(1+(4l*a_X)/U)^{0.5})]*erf[S_W/4*(a_Y*X)^{0.5}]*erf[S_D/2*(a_Z*X)^{0.5}]$

RESULTS

C(x)= 0.00000259 mg/L

Predicted Concentration at GW-20

(EQUATION R26)

205-99-2 **Benzo(b)fluoranthene**

1992 ROD CUO 0.00018 mg/L

PARAMETERS

SYMBOL	DESCRIPTION	VALUE	UNITS
C_{source} =	Concentration of contaminant in groundwater at the source	0.000591	mg/L
k =	Hydraulic conductivity	609.60	cm/day
i =	Hydraulic gradient	0.0174	cm/cm
0_T =	Total soil porosity	0.3000	cm^3/cm^3
U =	Specific discharge	35.3014	cm/day
a_X =	Longitudinal dispersity	3657.6000	cm
a_Y =	Transverse dispersity	1219.2000	cm
a_Z =	Vertical dispersity	182.8800	cm
l =	First order degradation constant	5.70E-04	d^{-1}
X =	Distance along centerline of the ground water plume emanating from the source. The (x) direction is the direction of ground water flow	36576 1200	cm feet
S_D =	Source width perpendicular to the ground water flow direction in the vertical plane	300	cm
S_W =	Source width perpendicular to the ground water flow direction in the horizontal plane	3000	cm

CALCULATED PARAMETERS

Specific Discharge, U (R19)

$U = k*i/0_T$ = 3.53E+01 cm/day

Longitudinal Dispersivity, adX0d (R16)

$a_X = 0.10*X$ = 3.66E+03 cm

Transverse Dispersivity, adY0d (R17)

$a_Y = a_X/3$= 1.22E+03 cm

Vertical Dispersivity, adZ0d (R18)

$a_Z = a_X/20$= 1.83E+02 cm

EQUATION

$C_X=C_{SOURCE}*\exp[(X/2a_X)(1-(1+(4l*a_X)/U)^{0.5})]*\text{erf}[S_W/4*(a_Y*X)^{0.5}]*\text{erf}[S_D/2*(a_Z*X)^{0.5}]$

RESULTS

C(x)= 0.00000279 mg/L

Predicted Concentration at GW-20

(EQUATION R26)

207-08-9 **Benzo(k)fluoranthene**

1992 ROD CUO 0.00017 mg/L

PARAMETERS

SYMBOL	DESCRIPTION	VALUE	UNITS
C_{source} =	Concentration of contaminant in groundwater at the source	0.00301	mg/L
k =	Hydraulic conductivity	609.60	cm/day
i =	Hydraulic gradient	0.0174	cm/cm
0_T =	Total soil porosity	0.3000	cm^3/cm^3
U =	Specific discharge	35.3014	cm/day
a_X =	Longitudinal dispersity	3657.6000	cm
a_Y =	Transverse dispersity	1219.2000	cm
a_Z =	Vertical dispersity	182.8800	cm
l =	First order degradation constant	1.60E-04	d^{-1}
X =	Distance along centerline of the ground water plume emanating from the source. The (x) direction is the direction of ground water flow	36576 1200	cm feet
S_D =	Source width perpendicular to the ground water flow direction in the vertical plane	300	cm
S_W =	Source width perpendicular to the ground water flow direction in the horizontal plane	3000	cm

CALCULATED PARAMETERS

Specific Discharge, U (R19)

$U = k*i/0_T$ = 3.53E+01 cm/day

Longitudinal Dispersivity, adX0d (R16)

$a_X = 0.10*X$ = 3.66E+03 cm

Transverse Dispersivity, adY0d (R17)

$a_Y = a_X/3$= 1.22E+03 cm

Vertical Dispersivity, adZ0d (R18)

$a_Z = a_X/20$= 1.83E+02 cm

EQUATION

$C_X=C_{SOURCE}*\exp[(X/2a_X)(1-(1+(4l*a_X)/U)^{0.5})]*erf[S_W/4*(a_Y*X)^{0.5}]*erf[S_D/2*(a_Z*X)^{0.5}]$

RESULTS

C(x)= 0.0000211 mg/L

Predicted Concentration at GW-20

(EQUATION R26)

218-01-9 **Chrysene**

1992 ROD CUO 0.0015 mg/L

PARAMETERS

SYMBOL	DESCRIPTION	VALUE	UNITS
C_{source} =	Concentration of contaminant in groundwater at the source	0.0147	mg/L
k =	Hydraulic conductivity	609.60	cm/day
i =	Hydraulic gradient	0.0174	cm/cm
0_T =	Total soil porosity	0.3000	cm^3/cm^3
U =	Specific discharge	35.3014	cm/day
a_X =	Longitudinal dispersity	3657.6000	cm
a_Y =	Transverse dispersity	1219.2000	cm
a_Z =	Vertical dispersity	182.8800	cm
l =	First order degradation constant	3.50E-04	d^{-1}
X =	Distance along centerline of the ground water plume emanating from the source. The (x) direction is the direction of ground water flow	36576 1200	cm feet
S_D =	Source width perpendicular to the ground water flow direction in the vertical plane	300	cm
S_W =	Source width perpendicular to the ground water flow direction in the horizontal plane	3000	cm

CALCULATED PARAMETERS

Specific Discharge, U (R19)

$U = k*i/0_T$ = 3.53E+01 cm/day

Longitudinal Dispersivity, adX0d (R16)

$a_X = 0.10*X$ = 3.66E+03 cm

Transverse Dispersivity, adY0d (R17)

$a_Y = a_X/3$= 1.22E+03 cm

Vertical Dispersivity, adZ0d (R18)

$a_Z = a_X/20$= 1.83E+02 cm

EQUATION

$C_X=C_{SOURCE}*\exp[(X/2a_X)(1-(1+(4l*a_X)/U)^{0.5})]*\text{erf}[S_W/4*(a_Y*X)^{0.5}]*\text{erf}[S_D/2*(a_Z*X)^{0.5}]$

RESULTS

C(x)= 0.0000854 mg/L

Predicted Concentration at GW-20

(EQUATION R26)

53-70-3 **Dibenzo(a,h)anthracene**

1992 ROD CUO 0.0003 mg/L

PARAMETERS

SYMBOL	DESCRIPTION	VALUE	UNITS
C_{source} =	Concentration of contaminant in groundwater at the source	0.00217	mg/L
k =	Hydraulic conductivity	609.60	cm/day
i =	Hydraulic gradient	0.0174	cm/cm
0_T =	Total soil porosity	0.3000	cm^3/cm^3
U =	Specific discharge	35.3014	cm/day
a_X =	Longitudinal dispersity	3657.6000	cm
a_Y =	Transverse dispersity	1219.2000	cm
a_Z =	Vertical dispersity	182.8800	cm
l =	First order degradation constant	3.70E-04	d^{-1}
X =	Distance along centerline of the ground water plume emanating from the source. The (x) direction is the direction of ground water flow	36576 1200	cm feet
S_D =	Source width perpendicular to the ground water flow direction in the vertical plane	300	cm
S_W =	Source width perpendicular to the ground water flow direction in the horizontal plane	3000	cm

CALCULATED PARAMETERS

Specific Discharge, U (R19)

$U = k*i/0_T$ = 3.53E+01 cm/day

Longitudinal Dispersivity, adX0d (R16)

$a_X = 0.10*X$ = 3.66E+03 cm

Transverse Dispersivity, adY0d (R17)

$a_Y = a_X/3$= 1.22E+03 cm

Vertical Dispersivity, adZ0d (R18)

$a_Z = a_X/20$= 1.83E+02 cm

EQUATION

$C_X=C_{SOURCE}*\exp[(X/2a_X)(1-(1+(4l*a_X)/U)^{0.5})]*\text{erf}[S_W/4*(a_Y*X)^{0.5}]*\text{erf}[S_D/2*(a_Z*X)^{0.5}]$

RESULTS

C(x)= 0.0000124 mg/L

Predicted Concentration at GW-20

(EQUATION R26)

91-20-3 **Napthalene**

1992 ROD CUO 0.025 mg/L

PARAMETERS

SYMBOL	DESCRIPTION	VALUE	UNITS
C_{source} =	Concentration of contaminant in groundwater at the source	0.816	mg/L
k =	Hydraulic conductivity	609.60	cm/day
i =	Hydraulic gradient	0.0174	cm/cm
0_T =	Total soil porosity	0.3000	cm^3/cm^3
U =	Specific discharge	35.3014	cm/day
a_X =	Longitudinal dispersity	3657.6000	cm
a_Y =	Transverse dispersity	1219.2000	cm
a_Z =	Vertical dispersity	182.8800	cm
l =	First order degradation constant	2.70E-03	d^{-1}
X =	Distance along centerline of the ground water plume emanating from the source. The (x) direction is the direction of ground water flow	36576 1200	cm feet
S_D =	Source width perpendicular to the ground water flow direction in the vertical plane	300	cm
S_W =	Source width perpendicular to the ground water flow direction in the horizontal plane	3000	cm

CALCULATED PARAMETERS

Specific Discharge, U (R19)

$U = k*i/0_T$ = 3.53E+01 cm/day

Longitudinal Dispersivity, adX0d (R16)

$a_X = 0.10*X$ = 3.66E+03 cm

Transverse Dispersivity, adY0d (R17)

$a_Y = a_X/3$= 1.22E+03 cm

Vertical Dispersivity, adZ0d (R18)

$a_Z = a_X/20$= 1.83E+02 cm

EQUATION

$C_X=C_{SOURCE}*\exp[(X/2a_X)(1-(1+(4l*a_X)/U)^{0.5})]*erf[S_W/4*(a_Y*X)^{0.5}]*erf[S_D/2*(a_Z*X)^{0.5}]$

RESULTS

C(x)= 0.000690 mg/L

Predicted Concentration at GW-20

(EQUATION R26)

193-39-5 **Indeno(1,2,3-cd)pyrene**

1992 ROD CUO 0.00043 mg/L

PARAMETERS

SYMBOL	DESCRIPTION	VALUE	UNITS
C_{source} =	Concentration of contaminant in groundwater at the source	0.00329	mg/L
k =	Hydraulic conductivity	609.60	cm/day
i =	Hydraulic gradient	0.0174	cm/cm
0_T =	Total soil porosity	0.3000	cm^3/cm^3
U =	Specific discharge	35.3014	cm/day
a_X =	Longitudinal dispersity	3657.6000	cm
a_Y =	Transverse dispersity	1219.2000	cm
a_Z =	Vertical dispersity	182.8800	cm
l =	First order degradation constant	4.70E-04	d^{-1}
X =	Distance along centerline of the ground water plume emanating from the source. The (x) direction is the direction of ground water flow	36576 1200	cm feet
S_D =	Source width perpendicular to the ground water flow direction in the vertical plane	300	cm
S_W =	Source width perpendicular to the ground water flow direction in the horizontal plane	3000	cm

CALCULATED PARAMETERS

Specific Discharge, U (R19)

$U = k*i/0_T$ = 3.53E+01 cm/day

Longitudinal Dispersivity, adX0d (R16)

$a_X = 0.10*X$ = 3.66E+03 cm

Transverse Dispersivity, adY0d (R17)

$a_Y = a_X/3$= 1.22E+03 cm

Vertical Dispersivity, adZ0d (R18)

$a_Z = a_X/20$= 1.83E+02 cm

EQUATION

$C_X=C_{SOURCE}*\exp[(X/2a_X)(1-(1+(4l*a_X)/U)^{0.5})]*\text{erf}[S_W/4*(a_Y*X)^{0.5}]*\text{erf}[S_D/2*(a_Z*X)^{0.5}]$

RESULTS

C(x)= 0.0000170 mg/L