

fYNOP Groundwater Sample Purge Log

Sampling Event: 2025 Comprehensive Sampling

Well ID: MW-9

Project NO: GSC.0100125300

Project Location York, Pa

Purge Information

Purge Date: 9/29/2025

Pump ID: Mega Monsoon EE&S #83171

Purged By: Lucas Grimm

Water Quality Inst: Horiba U-52

Purge Technique: Low Flow Parameter Stabilization

Water Quality Inst ID: EE&S #81469

Purge Method: Positive Displacement

Total Purge Vol (gal) 72.67

Pump Set Depth (Ft BGS) : 92

Total Depth of Well (Ft BGS): 94

Initial Depth to Water (Ft BGS): 31.48

Sample Information

Sampled By: Lucas Grimm

Sampled Method: Positive Displacement

Sample Date: 9/29/2025

Unit ID: Mega Monsoon EE&S #83171

Sample Time: 14:30

Duplicate ID:

Sample ID: HD-MW-9-0/1-0

MS/MSD ID:

Notes:

Total depth on well log is 97' BTOC. Measured total depth form TOC is 94'. Pump set at 92' BTOC.

Open interval is 38'. 6" diameter borehole.

Borehole volume calculation = 38*1.469 = 55.8 gal.

Purge Parameter Information

Date	Time	Temp. °C	pH SU	Turb NTU	Con. mS/cm	DO mg/L	Sal	ORP	Pr g/m	Pv gal.	DTW feet	Notes
9/29/2025	11:03	10.99	6.52	707	1.08	0	0.5	-51	0.34	1.02	32.24	
9/29/2025	11:08	11.06	6.74	186	1.08	0	0.5	-92	0.4	2	33	
9/29/2025	11:13	10.95	6.81	120	1.08	0	0.5	-114	0.43	2.15	34	
9/29/2025	11:18	10.99	6.83	93.5	1.08	0	0.5	-125	0.4	2	34.76	
9/29/2025	11:23	11.01	6.82	80.9	1.08	0	0.5	-133	0.4	2	35.55	
9/29/2025	11:28	11.16	7.04	77.5	1.08	0	0.5	-151	0.34	1.7	36.18	
9/29/2025	11:33	11.07	6.93	79.2	1.08	0	0.5	-150	0.4	2	36.94	
9/29/2025	11:38	11.31	6.95	74.1	1.08	0	0.5	-160	0.43	2.15	37.5	
9/29/2025	11:43	11.21	7.01	74.8	1.08	0	0.5	-164	0.37	1.85	38.27	
9/29/2025	11:48	11.09	6.98	76.8	1.08	0	0.5	-166	0.4	2	38.89	
9/29/2025	11:53	11.2	7.06	61.5	1.08	0	0.5	-172	0.4	2	39.31	
9/29/2025	11:58	11.1	6.97	64	1.08	0	0.5	-170	0.4	2	39.78	
9/29/2025	12:03	11.25	7.09	78.8	1.08	0	0.5	-177	0.4	2	40.41	
9/29/2025	12:08	11.22	7.03	57.7	1.08	0	0.5	-179	0.34	1.7	40.91	
9/29/2025	12:13	11.32	7.08	57.2	1.08	0	0.5	-184	0.34	1.7	41.33	
9/29/2025	12:18	11.17	7.02	56.3	1.09	0	0.5	-182	0.4	2	41.8	
9/29/2025	12:23	11.35	7.14	55.7	1.09	0	0.5	-190	0.34	1.7	42.3	
9/29/2025	12:28	11.18	7.05	52.6	1.09	0	0.5	-186	0.4	2	42.84	



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 Borehole volume calculation = 38*1.469 = 55.8 gal.

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Date	Time	Temp. °C	pH SU	Turb NTU	Con. mS/cm	DO mg/L	Sal	ORP	Pr g/m	Pv gal.	DTW feet	Notes
9/29/2025	12:33	11.27	7.1	51.4	1.09	0	0.5	-190	0.37	1.85	43.27	
9/29/2025	12:38	11.28	7.16	50.2	1.09	0	0.5	-194	0.4	2	43.69	
9/29/2025	12:43	11.32	7.13	51.4	1.09	0	0.5	-194	0.4	2	44.04	
9/29/2025	12:48	11.45	7.13	49.8	1.08	0	0.5	-193	0.37	1.85	44.29	
9/29/2025	12:53	11.49	7.19	53.4	1.08	0	0.5	-192	0.37	1.85	44.4	
9/29/2025	12:58	11.38	7.03	51.8	1.07	0	0.5	-189	0.37	1.85	44.67	
9/29/2025	13:03	11.45	7.08	52.3	1.07	0	0.5	-190	0.37	1.85	44.87	
9/29/2025	13:08	11.52	7.11	54.1	1.05	0	0.5	-193	0.37	1.85	45.2	
9/29/2025	13:13	11.49	7.08	54.1	1.03	0	0.5	-189	0.34	1.7	45.32	
9/29/2025	13:18	11.35	7.04	51.6	1.01	0	0.5	-190	0.34	1.7	45.62	
9/29/2025	13:23	11.5	6.92	49.8	0.986	0	0.5	-177	0.28	1.4	45.83	
9/29/2025	13:28	11.47	6.9	47.2	0.95	0	0.5	-175	0.34	1.7	46.24	
9/29/2025	13:33	11.15	6.85	43.4	0.912	0	0.5	-171	0.34	1.7	46.69	
9/29/2025	13:38	11.12	6.82	40.9	0.889	0	0.4	-168	0.34	1.7	47.02	
9/29/2025	13:43	11.12	6.73	41.3	0.856	0	0.4	-159	0.34	1.7	47.8	
9/29/2025	13:48	11.11	6.61	38.5	0.825	0	0.4	-147	0.34	1.7	48.5	
9/29/2025	13:53	11.17	6.52	35.9	0.807	0	0.4	-139	0.3	1.5	48.9	
9/29/2025	13:58	11.23	6.49	32	0.803	0	0.4	-136	0.32	1.6	49.31	

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9/29/2025	14:03	11.32	6.45	28.7	0.796	0	0.4	-130	0.26	1.3	49.74	
9/29/2025	14:08	11.4	6.43	28.5	0.79	0	0.4	-127	0.24	1.2	49.99	
9/29/2025	14:13	11.44	6.42	28.2	0.786	0	0.4	-124	0.24	1.2	50.13	
9/29/2025	14:18	11.57	6.44	29.1	0.785	0	0.4	-126	0.24	1.2	50.16	
9/29/2025	14:23	11.63	6.45	27.9	0.784	0	0.4	-127	0.23	1.15	50.19	
9/29/2025	14:28	11.63	6.43	27.9	0.785	0	0.4	-126	0.23	1.15	50.19	
9/29/2025	14:30											Sample collected.