

fYNOP Groundwater Sample Purge Log

Sampling Event: 2025 Comprehensive Sampling

Well ID: CW-1A

Project NO: GSC.0100125300

Project Location York, Pa

Purge Information

Purge Date: 9/30/2025

Pump ID: SS Mega Monsoon Pro 83003

Purged By: Casey Littlefield

Water Quality Inst: Horiba U-52 W70K3YYR

Purge Technique: Low Flow Parameter Stabilization

Water Quality Inst ID: Horiba U-52 W70K3YY

Purge Method: Positive Displacement

Total Purge Vol (gal) 33.8

Pump Set Depth (Ft BGS) : 73

Total Depth of Well (Ft BGS): 75

Initial Depth to Water (Ft BGS): 38.08

Sample Information

Sampled By: Casey Littlefield

Sampled Method: Positive Displacement

Sample Date: 9/30/2025

Unit ID: SS Mega Monsoon Pro 83003

Sample Time: 11:50

Duplicate ID: HD-QC2-0/1-1

Sample ID: HD-CW-1A-0/1-0

MS/MSD ID:

Notes:

No documented WBZs 8" borehole, 4-inch screen.
Open interval = 29' - 74' bgs. Screen volume = $0.653 \times (74 - 38.08) = 23.46$ gallons
Borehole Volume = $2.61 \times (74 - 38.08) = (93.75 - 23.46) \times 0.3 = 21.087$ gallons

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
9/30/2025	9:10	15.5	4.49	5.1	1.04	8.11	0.5	249	0.2		38.44	
9/30/2025	9:15	14.66	4.61	0	1.02	6.68	0.5	273	0.2	1	39.7	
9/30/2025	9:20	14.74	4.57	0	1.01	6.79	0.5	287	0.2	1	40.34	
9/30/2025	9:25	14.75	4.55	0	0.997	6.87	0.5	294	0.2	1	40.7	
9/30/2025	9:30	14.81	4.53	0	0.99	6.9	0.5	302	0.2	1	41.31	
9/30/2025	9:35	14.82	4.5	0	0.975	6.93	0.5	310	0.2	1	41.45	
9/30/2025	9:40	14.8	4.48	0	0.965	6.93	0.5	316	0.2	1	41.95	
9/30/2025	9:45	14.85	4.47	0	0.956	6.91	0.5	324	0.2	1	42.18	
9/30/2025	9:50	14.92	4.45	0	0.951	6.87	0.5	324	0.25	1	42.42	
9/30/2025	9:55	14.86	4.45	0	0.942	6.82	0.5	330	0.22	1.25	43	
9/30/2025	10:00	14.92	4.44	0	0.938	6.77	0.5	332	0.22	1.1	43.3	
9/30/2025	10:05	14.9	4.44	0	0.937	6.75	0.5	334	0.2	1.1	43.51	
9/30/2025	10:10	14.92	4.44	0	0.936	6.74	0.5	335	0.2	1	43.66	
9/30/2025	10:15	15.05	4.44	0	0.936	6.68	0.5	337	0.2	1	43.88	
9/30/2025	10:20	15.13	4.44	0	0.935	6.64	0.5	338	0.2	1	43.98	
9/30/2025	10:25	15.14	4.44	0	0.936	6.63	0.5	340	0.22	1	44.03	
9/30/2025	10:30	15.03	4.44	0	0.935	6.62	0.5	342	0.22	1.1	44.3	
9/30/2025	10:35	15.13	4.43	0	0.934	6.55	0.5	343	0.2	1.1	44.48	



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Water Quality Inst ID: Horiba U-52 W70K3YY
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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
9/30/2025	10:40	15.13	4.43	0	0.931	6.54	0.5	345	0.25	1	44.74	
9/30/2025	10:45	15.12	4.42	0	0.928	6.5	0.5	346	0.22	1.25	44.91	
9/30/2025	10:50	15.26	4.42	0	0.924	6.46	0.5	347	0.2	1.1	45.02	
9/30/2025	10:55	15.24	4.42	0	0.915	6.44	0.4	348	0.2	1	45.11	
9/30/2025	11:00	15.28	4.42	0	0.9	6.38	0.4	348	0.25	1	45.28	
9/30/2025	11:05	15.28	4.43	0	0.883	6.33	0.4	350	0.2	1.25	45.41	
9/30/2025	11:10	15.35	4.43	0	0.875	6.29	0.4	350	0.2	1	45.46	
9/30/2025	11:15	15.33	4.44	0	0.866	6.25	0.4	350	0.22	1	45.5	
9/30/2025	11:20	15.47	4.46	0	0.853	6.2	0.4	350	0.25	1.1	45.55	
9/30/2025	11:25	15.27	4.47	0	0.843	6.18	0.4	350	0.22	1.25	45.68	
9/30/2025	11:30	15.32	4.48	0	0.835	6.15	0.4	351	0.22	1.1	45.8	
9/30/2025	11:35	15.35	4.48	0	0.832	6.12	0.4	351	0.2	1.1	46.05	Attempt to Stabilize WL.
9/30/2025	11:40	15.37	4.53	0	0.827	6.11	0.4	346	0.2	1	46.06	
9/30/2025	11:45	15.5	4.58	0	0.825	6.09	0.4	346	0.2	1	46.06	
9/30/2025	11:50	15.58	4.57	0	0.822	6.07	0.4	347	0.2	1	46.07	Sample Well