

fYNOP Groundwater Sample Purge Log

Sampling Event: 2024 Comprehensive Sampling

Project NO: 10012.52

Well ID: CW-1A

Project Location York, Pa

Purge Information

Purge Date: 9/30/2024

Purged By: Casey Littlefield

Purge Technique: Low Flow Parameter Stabilization

Purge Method: Positive Displacement

Pump Set Depth (Ft BGS): 73

Total Depth of Well (Ft BGS): 75

Initial Depth to Water (Ft BGS): 39.88

Pump ID: Mega Monsoon Pump 83171

Water Quality Inst: Horiba U-52 16675

Water Quality Inst ID: Horiba U-52 16675

Total Purge Vol (gal) 37.55

Sample Information

Sampled By: Casey Littlefield

Sample Date: 9/30/2024

Sample Time: 13:00

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

Sampled Method: Positive Displacement

Unit ID: Mega Monsoon Pump 83171

Duplicate ID:

MS/MSD ID:

Notes:

No Documented WBZs 8" borehole, 4-inch screen.
Open interval from 29'-74' bgs. Screen volume= $0.653 \times (74-39.88) = 22.28$ gallons
Borehole Volume = $2.61 \times (74-39.88) = 89.05$ gallons
Borehole volume - screen volume = 66.77×0.3 (30% porosity) = 20.03 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
9/30/2024	10:30	16.2	4.93	0	0.688	11.36	0.3	111	0.26		40.2	
9/30/2024	10:35	14.78	4.85	0	0.749	5.27	0.4	113	0.26	1.3	40.41	
9/30/2024	10:40	14.66	4.79	0	0.751	4.04	0.4	116	0.2	1.3	41.3	
9/30/2024	10:45	14.63	4.78	0	0.745	4	0.4	116	0.26	1	42	
9/30/2024	10:50	14.59	4.74	0	0.736	4.01	0.4	118	0.22	1.3	42.73	
9/30/2024	10:55	14.61	4.71	0	0.731	3.99	0.4	119	0.22	1.1	43.3	
9/30/2024	11:00	14.63	4.71	0	0.727	4	0.4	120	0.26	1.1	43.72	
9/30/2024	11:05	14.68	4.69	0	0.719	4.33	0.3	120	0.26	1.3	44.28	
9/30/2024	11:10	14.73	4.71	0	0.712	4.7	0.3	120	0.25	1.3	44.73	
9/30/2024	11:15	14.76	4.71	0	0.708	4.04	0.3	120	0.25	1.25	45	
9/30/2024	11:20	14.73	4.7	0	0.703	4.07	0.3	120	0.22	1.25	45.31	
9/30/2024	11:25	14.77	4.71	0	0.7	4.02	0.3	120	0.22	1.1	45.58	
9/30/2024	11:30	14.85	4.72	0	0.699	3.93	0.3	119	0.3	1.1	45.75	
9/30/2024	11:35	14.65	4.66	0	0.697	5.12	0.3	120	0.3	1.5	46.4	
9/30/2024	11:40	14.66	4.7	0	0.699	4.07	0.3	120	0.25	1.5	47.07	
9/30/2024	11:45	14.72	4.7	0	0.699	4.07	0.3	120	0.25	1.25	47.5	
9/30/2024	11:50	14.69	4.71	0	0.699	4.04	0.3	120	0.25	1.25	47.7	
9/30/2024	11:55	14.77	4.72	0	0.697	3.97	0.3	119	0.25	1.25	48.03	

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Duplicate ID:
MS/MSD ID:

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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
9/30/2024	12:00	14.76	4.73	0	0.695	3.95	0.3	119	0.25	1.25	48.23	
9/30/2024	12:05	14.77	4.74	0	0.693	3.91	0.3	119	0.3	1.25	48.55	
9/30/2024	12:10	14.71	4.74	0	0.687	4.02	0.3	119	0.28	1.5	49.2	
9/30/2024	12:15								0.28	1.4		
9/30/2024	12:20	14.75	4.75	0	0.676	3.95	0.3	117	0.28	1.4	50.16	
9/30/2024	12:25	14.71	4.76	0	0.672	3.96	0.3	118	0.3	1.4	50.36	
9/30/2024	12:30	14.76	4.76	0	0.668	3.94	0.3	118	0.3	1.5	50.64	
9/30/2024	12:35	14.84	4.8	0	0.665	3.87	0.3	116	0.2	1.5	50.73	Attempt to stabilize WL.
9/30/2024	12:40	14.99	4.8	0	0.664	3.88	0.3	115	0.2	1	50.65	
9/30/2024	12:45	15.07	4.82	0	0.664	3.92	0.3	115	0.2	1	50.58	
9/30/2024	12:50	15.1	4.83	0	0.665	3.91	0.3	114	0.22	1	50.52	
9/30/2024	12:55	14.87	4.82	0	0.666	3.94	0.3	115	0.22	1.1	50.61	
9/30/2024	13:00	14.87	4.82	0	0.668	3.95	0.3	115	0.22	1.1	50.58	Sample