

fYNOP Groundwater Sample Purge Log

Sampling Event: 2024 Comprehensive Sampling

Project NO: 10012.52

Well ID: MW-12

Project Location York, Pa

Purge Information

Purge Date: 9/30/2024

Purged By: Lucas Grimm

Purge Technique: Low Flow Parameter Stabilization

Purge Method: Positive Displacement

Pump Set Depth (Ft BGS): 98

Total Depth of Well (Ft BGS): 100

Initial Depth to Water (Ft BGS): 36.78

Pump ID: EE&S Mega Monsoon Pro #82741

Water Quality Inst: EE&S Horiba U-52 #82910

Water Quality Inst ID: EE&S Horiba U-52 #82

Total Purge Vol (gal) 95.45

Sample Information

Sampled By: Lucas Grimm

Sample Date: 10/1/2024

Sample Time: 15:00

Sample ID: HD-MW-12-0/1-0

Sampled Method: Hand Bailer

Unit ID: NA

Duplicate ID:

MS/MSD ID:

Notes: Open Interval = 70'
62.32 * 1.469 = 91.55 gal (one borehole volume)
WL does not stabilize at 0.2 gpm
Recovered Water Level = 65.75'

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	12:57	15.02	5.83	58.2	0.306	1.65	0.2	56	0.2	0	36.82	
9/30/2024	13:02	13.58	6.34	43.9	0.428	0	0.2	-4	0.2	1	37.32	
9/30/2024	13:07	13.62	6.32	40.9	0.431	0	0.2	-14	0.22	1	37.95	
9/30/2024	13:12	13.6	6.25	38.1	0.428	0	0.2	-18	0.2	1.1	38.68	
9/30/2024	13:17	13.9	6.18	35.6	0.424	0	0.2	-19	0.2	1	39.68	
9/30/2024	13:22	13.08	6.1	36.2	0.424	0	0.2	-19	0.45	1	40.68	Increase flow rate to de-water well. WL not stabilizing at 0.2 gpm.
9/30/2024	13:27	13.07	6.08	41.1	0.422	0	0.2	-19	0.53	2.25	41.79	
9/30/2024	13:32	13.07	6.01	31.6	0.414	0	0.2	-15	0.53	2.65	43.61	
9/30/2024	13:37	13.09	5.98	25.8	0.409	0	0.2	-13	0.59	2.65	45.52	
9/30/2024	13:42	13.14	5.95	19.1	0.402	0	0.2	-11	0.59	2.95	47.38	
9/30/2024	13:47	13.12	5.93	16.4	0.396	0	0.2	-10	0.59	2.95	48.55	
9/30/2024	13:52	13.14	5.89	13.1	0.385	0	0.2	-7	0.59	2.95	51.41	
9/30/2024	13:57	13.11	5.86	13.1	0.374	0	0.2	-6	0.59	2.95	52.97	
9/30/2024	14:02	13.11	5.84	44.9	0.365	0	0.2	-4	0.59	2.95	54.05	
9/30/2024	14:07	13.12	5.82	104	0.356	0	0.2	-4	0.63	2.95	55.8	
9/30/2024	14:12	13.16	5.8	129	0.343	0	0.2	-4	0.63	3.15	57.64	
9/30/2024	14:17	13.14	5.79	131	0.331	0	0.2	-4	0.63	3.15	59	

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9/30/2024	14:22	13.16	5.78	93.6	0.317	0	0.1	-5	0.63	3.15	60.98	
9/30/2024	14:27	13.19	5.77	73.4	0.301	0	0.1	-7	0.59	3.15	62.72	
9/30/2024	14:32	13.21	5.76	51.5	0.288	0	0.1	-8	0.63	2.95	64.67	
9/30/2024	14:37	13.22	5.76	50	0.281	0	0.1	-10	0.63	3.15	66.35	
9/30/2024	14:42	13.25	5.75	36.7	0.272	0	0.1	-12	0.63	3.15	67.89	
9/30/2024	14:47	13.25	5.73	28.8	0.265	0	0.1	-13	0.63	3.15	70.08	
9/30/2024	14:52	13.32	5.73	26.5	0.26	0	0.1	-15	0.63	3.15	72	
9/30/2024	14:57	13.32	5.73	25.6	0.259	0	0.1	-15	0.63	3.15	73.79	
9/30/2024	15:02	13.37	5.73	37.2	0.257	0	0.1	-16	0.63	3.15	75.55	
9/30/2024	15:07	13.36	5.73	35	0.254	0	0.1	-16	0.68	3.15	77.8	
9/30/2024	15:12	13.38	5.73	35.4	0.252	0	0.1	-17	0.63	3.4	79.34	
9/30/2024	15:17	13.41	5.73	35.2	0.25	0	0.1	-17	0.63	3.15	81.15	
9/30/2024	15:22	13.5	5.74	38.5	0.248	0	0.1	-18	0.68	3.15	82.93	
9/30/2024	15:27	13.47	5.73	38.3	0.246	0	0.1	-16	0.63	3.4	85	
9/30/2024	15:32	13.5	5.73	40.4	0.244	0	0.1	-15	0.63	3.15	87.33	
9/30/2024	15:37	13.48	5.72	40.5	0.241	0	0.1	-13	0.63	3.15	89.8	
9/30/2024	15:42	13.58	5.72	40.2	0.24	0	0.1	-11	0.63	3.15	92.54	
9/30/2024	15:47	13.57	5.72	42.2	0.239	0	0.1	-10	0.63	3.15	95.39	

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9/30/2024	15:50	13.59	5.72	41.4	0.238	0	0.1	-8	0.63	1.89		Well is de-watered.
10/1/2024	15:00										65.75	