

fYNOP Groundwater Sample Purge Log

Sampling Event: 2024 Comprehensive Sampling

Project NO: 10012.52

Well ID: MW-150

Project Location York, Pa

Purge Information

Purge Date: 10/3/2024

Purged By: Lucas Grimm

Purge Technique: Low Flow Parameter Stabilization

Purge Method: Positive Displacement

Pump Set Depth (Ft BGS): 182

Total Depth of Well (Ft BGS): 200

Initial Depth to Water (Ft BGS): 16.07

Pump ID: EE&S Mega Monsoon Pro #83003

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

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

Total Purge Vol (gal) 54.11

Sample Information

Sampled By: Lucas Grimm

Sample Date: 10/3/2024

Sample Time: 11:15

Sample ID: HD-MW-150-0/1-0

Sampled Method: Positive Displacement

Unit ID: EE&S Mega Monsoon Pro #83003

Duplicate ID:

MS/MSD ID:

Notes: Turbidity historically difficult to stabilize.

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
10/3/2024	8:47	16.13	5.85	10.2	0.309	0.1	0.1	236	0.42	0	17.78	
10/3/2024	8:52	14.99	6.64	871	0.293	0	0.1	203	0.4	2.1	19.75	
10/3/2024	8:57	15.02	7.07	432	0.288	0	0.1	47	0.37	2	20.44	
10/3/2024	9:02	15.08	7.15	266	0.286	0	0.1	-12	0.37	1.85	20.5	
10/3/2024	9:07	14.89	7.21	193	0.286	0	0.1	-52	0.34	1.85	20.58	
10/3/2024	9:12	14.77	7.23	195	0.285	0	0.1	-73	0.37	1.7	20.6	
10/3/2024	9:17	14.72	7.24	149	0.285	0	0.1	-79	0.37	1.85	20.59	
10/3/2024	9:22	14.96	7.19	97.3	0.285	0	0.1	-87	0.34	1.85	20.03	Sun may affect temperature readings.
10/3/2024	9:27	14.93	7.18	101	0.285	0	0.1	-91	0.34	1.7	20.05	
10/3/2024	9:32	15.04	7.16	106	0.285	0	0.1	-94	0.34	1.7	20.2	
10/3/2024	9:37	14.9	7.15	200	0.285	0	0.1	-96	0.34	1.7	20.3	
10/3/2024	9:42	15.1	7.14	132	0.285	0	0.1	-99	0.34	1.7	20.11	
10/3/2024	9:47	15.03	7.14	161	0.285	0	0.1	-101	0.34	1.7	20.05	
10/3/2024	9:52	15.15	7.13	207	0.285	0	0.1	-102	0.37	1.7	20	
10/3/2024	9:57	15.04	7.14	141	0.284	0	0.1	-105	0.37	1.85	20.06	
10/3/2024	10:02	14.97	7.14	213	0.284	0	0.1	-106	0.37	1.85	20.75	
10/3/2024	10:07	14.87	7.15	396	0.284	0	0.1	-109	0.37	1.85	20.82	

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Sample Date: 10/3/2024
Sample Time: 11:15
Sample ID: HD-MW-150-0/1-0

Sampled Method: Positive Displacement
Unit ID: EE&S Mega Monsoon Pro #83003
Duplicate ID:
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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
10/3/2024	10:12	14.76	7.16	435	0.283	0	0.1	-112	0.37	1.85	20.85	
10/3/2024	10:17	14.71	7.18	578	0.283	0	0.1	-115	0.37	1.85	21.01	
10/3/2024	10:22	14.76	7.2	441	0.285	0	0.1	-118	0.37	1.85	21.64	
10/3/2024	10:27	14.7	7.19	372	0.285	0	0.1	-118	0.37	1.85	21.74	
10/3/2024	10:32	14.73	7.2	352	0.284	0	0.1	-121	0.37	1.85	21.8	
10/3/2024	10:37	14.69	7.21	265	0.285	0	0.1	-122	0.37	1.85	21.83	
10/3/2024	10:42	14.75	7.23	188	0.284	0	0.1	-124	0.37	1.85	21.82	
10/3/2024	10:47	14.75	7.23	126	0.284	0	0.1	-125	0.37	1.85	21.84	
10/3/2024	10:52	14.72	7.24	133	0.284	0	0.1	-126	0.37	1.85	21.8	
10/3/2024	10:57	14.7	7.25	127	0.284	0	0.1	-127	0.37	1.85	21.84	
10/3/2024	11:02	14.7	7.26	136	0.284	0	0.1	-127	0.37	1.85	21.83	
10/3/2024	11:07	14.69	7.27	130	0.284	0	0.1	-127	0.37	1.85	21.83	
10/3/2024	11:12	14.68	7.27	137	0.284	0	0.1	-128	0.37	1.85	21.82	
10/3/2024	11:15									1.11		Sample Collected. Turbidity typically high at time of sample collection.