

fYNOP Groundwater Sample Purge Log

Sampling Event: 2025 Comprehensive Sampling

Well ID: MW-12

Project NO: GSC.0100125300

Project Location York, Pa

Purge Information

Purge Date: 9/29/2025

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) 94.5

Pump Set Depth (Ft BGS) : 98

Total Depth of Well (Ft BGS): 100

Initial Depth to Water (Ft BGS): 35.75

Sample Information

Sampled By: Casey Littlefield

Sampled Method: Hand Bailer

Sample Date: 9/30/2025

Unit ID:

Sample Time: 15:00

Duplicate ID:

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

MS/MSD ID:

Notes: Open interval = 70'
62.32 * 1.469 = 91.55 gallons (one borehole volume)
RWL = 69.25

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	9:40	13.39	5.99	1000	0.449	3.8	0.2	10	0.4		36.22	
9/29/2025	9:45	13.04	6.62	193	0.441	2.81	0.2	-33	0.44	2	38.43	
9/29/2025	9:50	13.07	6.56	93.1	0.432	2.59	0.2	-82	0.44	2.2	39.84	
9/29/2025	9:55	13.08	6.34	49.7	0.426	2.5	0.2	-69	0.44	2.2	40.98	
9/29/2025	10:00	13.12	6.2	32.9	0.442	2.46	0.2	-59	0.4	2.2	43.01	
9/29/2025	10:05	13.19	6.04	29.3	0.417	2.41	0.2	-50	0.4	2	43.98	
9/29/2025	10:10	13.24	5.96	28.5	0.413	2.38	0.2	-45	0.4	2	44.72	
9/29/2025	10:15	13.29	5.89	27.1	0.407	2.34	0.2	-41	0.33	2	46.02	Attempt to stablize water level.
9/29/2025	10:20	13.33	5.84	25.5	0.4	2.29	0.2	-38	0.33	1.65	47.16	
9/29/2025	10:25	13.43	5.81	25	0.397	2.26	0.1	-36	0.3	1.65	47.91	
9/29/2025	10:30	13.51	5.78	23.3	0.394	2.21	0.1	-35	0.22	1.5	48.45	
9/29/2025	10:35	13.53	5.76	22	0.391	2.16	0.1	-34	0.2	1.1	49.15	
9/29/2025	10:40											Missed reading
9/29/2025	10:45	13.61	5.76	17.4	0.386	2.12	0.2	-34	0.2	1	49.95	WL not stable increase flow to de-water well.
9/29/2025	10:50	13.32	5.77	19.9	0.385	2.14	0.2	-34	0.57	1	51.05	
9/29/2025	10:55	13.18	5.77	55.6	0.373	2.1	0.2	-34	0.57	2.85	53.78	
9/29/2025	11:00	13.19	5.77	108	0.361	2.07	0.2	-35	0.57	2.85	55.35	

fYNOP Groundwater Sample Purge Log

Sampling Event: 2025 Comprehensive Sampling

Well ID: MW-12

Project NO: GSC.0100125300

Project Location York, Pa

Purge Information

Purge Date: 9/29/2025

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) 94.5

Pump Set Depth (Ft BGS) : 98

Total Depth of Well (Ft BGS): 100

Initial Depth to Water (Ft BGS): 35.75

Sample Information

Sampled By: Casey Littlefield

Sampled Method: Hand Bailer

Sample Date: 9/30/2025

Unit ID:

Sample Time: 15:00

Duplicate ID:

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

MS/MSD ID:

Notes: Open interval = 70'
62.32 * 1.469 = 91.55 gallons (one borehole volume)
RWL = 69.25

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	11:05	13.2	5.78	140	0.343	2.03	0.2	-37	0.57	2.85	57.06	
9/29/2025	11:10	13.22	5.79	133	0.329	2.03	0.2	-38	0.57	2.85	58.62	
9/29/2025	11:15	13.24	5.83	95.4	0.312	2.05	0.2	-43	0.57	2.85	60.91	
9/29/2025	11:20	13.27	5.84	64.5	0.292	2.12	0.1	-47	0.57	2.85	63.5	
9/29/2025	11:25	13.29	5.91	41.7	0.28	2.17	0.1	-55	0.57	2.85	65.44	
9/29/2025	11:30	13.3	5.98	18.4	0.269	2.22	0.1	-62	0.66	2.85	68.2	
9/29/2025	11:35								0.66	3.3		
9/29/2025	11:40	13.34	5.99	5.6	0.261	2.25	0.1	-66	0.57	3.3	72.56	
9/29/2025	11:45	13.36	5.98	5.3	0.259	2.25	0.1	-66	0.57	2.85	74	
9/29/2025	11:50	13.4	5.97	4.2	0.257	2.25	0.1	-67	0.66	2.85	76.08	
9/29/2025	11:55	13.4	5.94	2	0.255	2.22	0.1	-67	0.66	3.3		
9/29/2025	12:00	13.44	5.93	2.6	0.254	2.22	0.1	-67	0.66	3.3	78.44	
9/29/2025	12:05	13.45	5.92	2.3	0.253	2.21	0.1	-66	0.61	3.05	82.81	
9/29/2025	12:10	13.46	5.92	3.8	0.253	2.21	0.1	-66	0.61	3.05	84.4	
9/29/2025	12:15	13.5	5.92	6.3	0.251	2.51	0.1	-63	0.61	3.05	86.8	
9/29/2025	12:20	13.53	5.89	5.9	0.249	2.21	0.1	-59	0.61	3.05	89.51	
9/29/2025	12:25	13.59	5.88	7	0.248	2.21	0.1	-55	0.61	3.05	91.88	
9/29/2025	12:30	13.64	5.87	7.6	0.247	2.21	0.1	-52	0.57	3.05	92.1	

fYNOP Groundwater Sample Purge Log

Sampling Event: 2025 Comprehensive Sampling

Well ID: MW-12

Project NO: GSC.0100125300

Project Location York, Pa

Purge Information

Purge Date: 9/29/2025

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) 94.5

Pump Set Depth (Ft BGS) : 98

Total Depth of Well (Ft BGS): 100

Initial Depth to Water (Ft BGS): 35.75

Sample Information

Sampled By: Casey Littlefield

Sampled Method: Hand Bailer

Sample Date: 9/30/2025

Unit ID:

Sample Time: 15:00

Duplicate ID:

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

MS/MSD ID:

Notes: Open interval = 70'
62.32 * 1.469 = 91.55 gallons (one borehole volume)
RWL = 69.25

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	12:35	13.64	5.85	10.5	0.246	2.19	0.1	-47	0.61	2.85	94.8	
9/29/2025	12:40	13.63	5.83	12.3	0.243	2.2	0.1	-39	0.61	3.05	96.5	
9/29/2025	12:45	13.66	5.8	19.7	0.225	2.67	0.1	-14	0.61	3.05	97.82	
9/29/2025	12:49								0.61	3.05		