

fYNOP Groundwater Sample Purge Log

Sampling Event: 2024 Comprehensive Sampling

Project NO: 10012.52

Well ID: MW-9

Project Location York, Pa

Purge Information

Purge Date: 9/27/2024

Purged By: Casey Littlefield

Purge Technique: Low Flow Parameter Stabilization

Purge Method: Positive Displacement

Pump Set Depth (Ft BGS) : 92

Total Depth of Well (Ft BGS): 94

Initial Depth to Water (Ft BGS): 32.96

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) 65.15

Sample Information

Sampled By: Casey Littlefield

Sample Date: 9/27/2024

Sample Time: 11:30

Sample ID: HD-MW-9-0/1-0

Sampled Method: Positive Displacement

Unit ID: Mega Monsoon Pump 83171

Duplicate ID: HD-QC1-0/1-1

MS/MSD ID:

Notes:

Total depth on well log is 97' BTOC measured total depth from TOC is 94'. Pump set at 92' BTOC.
Open interval is 38'. 10" diameter borehole.
Borehole volum6.98lation 38*1.469=55.8 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
9/27/2024	8:35	14.96	6.27	81.8	1.02	1.69	0.5	39	0.5		33.34	
9/27/2024	8:40	14.61	6.46	73.7	1.05	1.01	0.5	30	0.5	2.5	33.64	
9/27/2024	8:45	14.41	6.68	97.1	1.06	0.59	0.5	21	0.36	2.5	34.5	
9/27/2024	8:50	14.39	6.76	78.4	1.06	0.39	0.5	17	0.44	1.8	35.55	
9/27/2024	8:55	14.47	6.8	69.8	1.06	0.31	0.5	15	0.4	2.2	36.25	
9/27/2024	9:00	14.38	6.83	64.8	1.06	0.22	0.5	14	0.44	2	36.85	
9/27/2024	9:05	14.5	6.78	59.1	1.06	0.2	0.5	13	0.4	2.2	37.65	
9/27/2024	9:10	14.75	6.88	56.4	1.06	0.14	0.5	12	0.4	2	38.2	
9/27/2024	9:15	14.76	6.9	54.7	1.06	0.09	0.5	11	0.4	2	38.8	
9/27/2024	9:20	14.57	6.91	60.1	1.06	0.04	0.5	10	0.36	2	39.32	
9/27/2024	9:25	14.67	6.93	50.6	1.06	0.01	0.5	9	0.44	1.8	39.88	
9/27/2024	9:30	14.48	6.92	51.4	1.07	0	0.5	10	0.4	2.2	40.64	
9/27/2024	9:35	14.5	6.94	49.9	1.07	0	0.5	9	0.4	2	41.2	
9/27/2024	9:40	14.63	6.95	48.7	1.07	0	0.5	8	0.3	2	41.5	
9/27/2024	9:45	14.37	6.94	48.4	1.04	0	0.5	9	0.44	1.5	42.36	
9/27/2024	9:50	14.45	6.95	49.3	1.07	0	0.5	8	0.4	2.2	43.24	
9/27/2024	9:55	14.49	6.96	46.9	1.07	0	0.5	8	0.4	2	43.68	
9/27/2024	10:00	14.54	6.96	47.7	1.07	0	0.5	7	0.4	2	44.12	

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9/27/2024	10:05	14.78	7	49.5	1.07	0	0.5	5	0.4	2	44.53	
9/27/2024	10:10	14.46	6.99	53	1.07	0	0.5	6	0.5	2	44.9	
9/27/2024	10:15	14.44	6.98	53.6	1.07	0	0.5	7	0.44	2.5	45.82	
9/27/2024	10:20	14.42	6.98	52.3	1.06	0	0.5	7	0.44	2.2	46.84	
9/27/2024	10:25	14.49	6.96	52.6	1.04	0	0.5	8	0.4	2	47.2	
9/27/2024	10:30	14.63	6.95	55.6	1.02	0	0.5	8	0.33	2	47.4	
9/27/2024	10:35	14.51	6.92	52	0.959	0	0.5	10	0.4	1.65	47.85	
9/27/2024	10:40	14.62	6.9	46.7	0.905	0	0.4	11	0.4	2	48.33	
9/27/2024	10:45	14.61	6.86	41.2	0.866	0	0.4	13	0.3	2	48.71	
9/27/2024	10:50	14.7	6.84	43	0.834	0	0.4	14	0.3	1.5	49.03	Let flow rate stablize with draw down to stabilize WL.
9/27/2024	10:55	14.69	6.82	34.3	0.813	0	0.4	15	0.28	1.5	49.31	
9/27/2024	11:00	14.75	6.8	32.4	0.8	0	0.4	16	0.3	1.4	49.51	
9/27/2024	11:05	14.76	6.78	30.5	0.785	0	0.4	17	0.3	1.5	49.75	
9/27/2024	11:10	14.69	6.75	27.4	0.767	0	0.4	18	0.28	1.5	50.11	
9/27/2024	11:15	14.75	6.74	25.9	0.764	0	0.4	19	0.2	1.4	50.3	Reduce rate.
9/27/2024	11:20	15.21	6.72	24.2	0.754	0	0.4	20	0.2	1	50.2	
9/27/2024	11:25	14.88	6.73	24.3	0.753	0	0.4	19	0.22	1	50.23	
9/27/2024	11:30	15.06	6.7	22.6	0.748	0	0.4	21	0.2	1.1	50.24	Sample



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