

# fYNOP Groundwater Sample Purge Log

**Sampling Event:** 2024 Comprehensive Sampling  
**Project NO:** 10012.52

**Well ID:** MW-67S  
**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) :** 30  
**Total Depth of Well (Ft BGS):** 32  
**Initial Depth to Water (Ft BGS):** 15.12

**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)** 39.65

## Sample Information

**Sampled By:** Lucas Grimm  
**Sample Date:** 10/1/2024  
**Sample Time:** 8:50  
**Sample ID:** HD-MW-67S-0/1-0

**Sampled Method:** Hand Bailer  
**Unit ID:**  
**Duplicate ID:**  
**MS/MSD ID:**

**Notes:** Recovered WL = 15.03'

## Purge Parameter Information

| Date      | Time  | Temp.<br>°C | pH<br>SU | Turb<br>NTU | Con.<br>mS/cm | DO<br>mg/L | Sal | ORP | Pr<br>g/m | Pv<br>gal. | DTW<br>feet | Notes |
|-----------|-------|-------------|----------|-------------|---------------|------------|-----|-----|-----------|------------|-------------|-------|
| 9/30/2024 | 9:45  | 15.37       | 5.54     | 66.5        | 0.257         | 4.78       | 0.1 | 360 | 0.22      | 0          | 15.65       |       |
| 9/30/2024 | 9:50  | 14.26       | 5.44     | 572         | 0.234         | 3.6        | 0.1 | 360 | 0.2       | 1.1        | 17.11       |       |
| 9/30/2024 | 9:55  | 14.24       | 5.3      | 370         | 0.234         | 3.4        | 0.1 | 365 | 0.2       | 1          | 17.97       |       |
| 9/30/2024 | 10:00 | 13.99       | 5.22     | 363         | 0.234         | 3.36       | 0.1 | 369 | 0.22      | 1          | 17.93       |       |
| 9/30/2024 | 10:05 | 14.02       | 5.19     | 346         | 0.234         | 3.35       | 0.1 | 371 | 0.23      | 1.1        | 18.05       |       |
| 9/30/2024 | 10:10 | 14.15       | 5.21     | 186         | 0.24          | 3.44       | 0.1 | 371 | 0.23      | 1.15       | 18.59       |       |
| 9/30/2024 | 10:15 | 14.16       | 5.26     | 152         | 0.249         | 3.43       | 0.1 | 371 | 0.23      | 1.15       | 18.94       |       |
| 9/30/2024 | 10:20 | 14.04       | 5.26     | 196         | 0.25          | 3.33       | 0.1 | 371 | 0.23      | 1.15       | 19.46       |       |
| 9/30/2024 | 10:25 | 14.16       | 5.22     | 240         | 0.246         | 3.24       | 0.1 | 372 | 0.24      | 1.15       | 19.89       |       |
| 9/30/2024 | 10:30 | 14.1        | 5.19     | 224         | 0.242         | 3.27       | 0.1 | 374 | 0.23      | 1.2        | 20.24       |       |
| 9/30/2024 | 10:35 | 13.91       | 5.19     | 305         | 0.243         | 3.25       | 0.1 | 374 | 0.22      | 1.15       | 20.55       |       |
| 9/30/2024 | 10:40 | 13.95       | 5.19     | 317         | 0.242         | 3.23       | 0.1 | 375 | 0.23      | 1.1        | 20.92       |       |
| 9/30/2024 | 10:45 | 14.04       | 5.18     | 318         | 0.241         | 3.23       | 0.1 | 376 | 0.22      | 1.15       | 21.1        |       |
| 9/30/2024 | 10:50 | 13.83       | 5.18     | 454         | 0.241         | 3.25       | 0.1 | 377 | 0.25      | 1.1        | 20.58       |       |
| 9/30/2024 | 10:55 | 13.78       | 5.18     | 438         | 0.24          | 3.25       | 0.1 | 378 | 0.24      | 1.25       | 21.39       |       |
| 9/30/2024 | 11:00 | 13.83       | 5.17     | 431         | 0.239         | 3.25       | 0.1 | 379 | 0.23      | 1.2        | 22.24       |       |
| 9/30/2024 | 11:05 | 13.83       | 5.17     | 367         | 0.237         | 3.27       | 0.1 | 379 | 0.23      | 1.15       | 22.47       |       |
| 9/30/2024 | 11:10 | 13.85       | 5.17     | 395         | 0.237         | 3.26       | 0.1 | 380 | 0.23      | 1.15       | 22.65       |       |

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**Sample Time:** 8:50  
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**Unit ID:**  
**Duplicate ID:**  
**MS/MSD ID:**

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|-----------|-------|-------------|----------|-------------|---------------|------------|-----|-----|-----------|------------|-------------|-----------------------------------------------------------------------------|
| 9/30/2024 | 11:15 | 13.82       | 5.17     | 369         | 0.237         | 3.27       | 0.1 | 380 | 0.23      | 1.15       | 22.91       |                                                                             |
| 9/30/2024 | 11:20 | 13.79       | 5.17     | 357         | 0.236         | 3.28       | 0.1 | 381 | 0.23      | 1.15       | 23.25       |                                                                             |
| 9/30/2024 | 11:25 | 13.68       | 5.17     | 333         | 0.236         | 3.29       | 0.1 | 381 | 0.23      | 1.15       | 23.65       |                                                                             |
| 9/30/2024 | 11:30 | 13.64       | 5.18     | 383         | 0.236         | 3.3        | 0.1 | 381 | 0.24      | 1.15       | 23.81       |                                                                             |
| 9/30/2024 | 11:35 | 13.52       | 5.18     | 584         | 0.236         | 3.31       | 0.1 | 382 | 0.24      | 1.2        | 24.23       |                                                                             |
| 9/30/2024 | 11:40 | 13.5        | 5.18     | 569         | 0.235         | 3.28       | 0.1 | 383 | 0.3       | 1.2        | 24.72       | Increase rate to de-water well.<br>Turbidity will not drop below<br>50 NTU. |
| 9/30/2024 | 11:45 | 13.47       | 5.18     | 617         | 0.235         | 3.34       | 0.1 | 384 | 0.3       | 1.5        | 25.34       |                                                                             |
| 9/30/2024 | 11:50 | 13.37       | 5.18     | 707         | 0.236         | 3.31       | 0.1 | 384 | 0.32      | 1.5        | 25.8        |                                                                             |
| 9/30/2024 | 11:55 | 13.35       | 5.19     | 1000        | 0.238         | 3.31       | 0.1 | 385 | 0.32      | 1.6        | 26.7        | Turbidity Over Range.                                                       |
| 9/30/2024 | 12:00 | 13.35       | 5.2      | 775         | 0.238         | 3.29       | 0.1 | 385 | 0.32      | 1.6        | 27.39       |                                                                             |
| 9/30/2024 | 12:05 | 13.3        | 5.2      | 605         | 0.237         | 3.31       | 0.1 | 386 | 0.32      | 1.6        | 27.93       |                                                                             |
| 9/30/2024 | 12:10 | 13.24       | 5.19     | 595         | 0.236         | 3.3        | 0.1 | 386 | 0.4       | 1.6        | 28.69       |                                                                             |
| 9/30/2024 | 12:15 | 13.17       | 5.17     | 987         | 0.234         | 3.4        | 0.1 | 388 | 0.4       | 2          | 29.41       |                                                                             |
| 9/30/2024 | 12:19 | 13.19       | 5.17     | 892         | 0.234         | 3.38       | 0.1 | 388 | 0.4       | 2          |             | Well is de-watered.                                                         |
| 10/1/2024 | 8:50  |             |          |             |               |            |     |     |           |            | 15.03       | Sample Collected.                                                           |