

GW Purge and Monitoring Form (Low-Flow)

Well ID MW-2 Date 30 AUG 07

Time Arriving at Well 1400 Air Temp _____ Metr Conditions _____

Depth, TOC to Water Level 12.32 ft
 Depth, TOC to Bottom of Casing (from records) 21.40 ft
 Depth of Pump Intake from TOC 20 ft

Flow Rate Established ~1.0 liter/minute

Target Low-Flow Purge Rate: approx. 0.1 – 0.5 liter/min.
 Increased flow rate is permissible as long as water level draw-down is no more than 0.3 ft.

Water Quality Observations

| Time | Temp | pH | Cond. | ORP | D.O. % | D.O. mg/l | Salinity | Water Level | Draw-down | Elapsed Purge Volume | Appearance |
|------|------|------|-------|-------|--------|-----------|----------|-------------|-----------|----------------------|------------|
| 1412 | 4.54 | 7.76 | 257 | 190.4 | 99.4 | 12.93 | 0.20 | | | | |
| 1415 | 3.72 | 7.75 | 252 | 188.1 | 88.8 | 11.72 | 0.20 | 12.35 | | | |
| 1420 | 3.61 | 7.72 | 250 | 183.1 | 86.6 | 11.45 | 0.20 | | | | |
| 1425 | 3.70 | 7.72 | 251 | 180.5 | 86.7 | 11.37 | 0.20 | | | | |
| 1430 | 3.57 | 7.73 | 250 | 176.5 | 87.1 | 11.58 | 0.20 | 12.35 | | | |
| 1436 | 3.17 | 7.45 | 247 | 178.5 | 86.3 | 11.57 | 0.20 | | | | |
| 1440 | 3.13 | 7.40 | 247 | 181.5 | 86.6 | 11.63 | 0.20 | | | | |
| 1446 | 3.11 | 7.40 | 247 | 185.0 | 85.8 | 11.48 | 0.20 | | | | |
| 1450 | 3.16 | 7.40 | 248 | 187.0 | 86.1 | 11.51 | 0.20 | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Water Quality Stabilization Criteria

| Temp | pH | Cond. | ORP | D.O. |
|-----------------------------|------------------|--------|-----------|---------|
| +/- 1 °C (< 6 °C warmup) | +/- 0.2 pH units | +/- 3% | +/- 10 mV | +/- 10% |

Time Leaving Well 1459 CROSS UP

Participating Samplers CHRIS FLOYD

Comments

HACH DO KIT
 11 drops to colorlessness = ~11 mg/L O₂

GW Purge and Monitoring Form (Low-Flow)

Well ID MM-3 Date 30 AUG 07

Time Arriving at Well 1234 Air Temp _____ Metr Conditions PCLOUDY

Depth, TOC to Water Level 3.27 ft
 Depth, TOC to Bottom of Casing (from records) 15.12 ft
 Depth of Pump Intake from TOC 14 ft

Flow Rate Established ~ 1.0 liter/minute

Target Low-Flow Purge Rate: approx. 0.1 – 0.5 liter/min.
 Increased flow rate is permissible as long as water level draw-down is no more than 0.3 ft.

Water Quality Observations

| Time | Temp | pH | Cond. | ORP | D.O. % | D.O. mg/l | Salinity | Water Level | Draw-down | Elapsed Purge Volume | Appearance |
|------|------|------|-------|-------|--------|-----------|----------|-------------|-----------|----------------------|-----------------|
| 1245 | 7.04 | 7.45 | 273 | 186.3 | 66.6 | 8.00 | 0.20 | 3.32 | 0.05 | | TURBID, PINKISH |
| 1250 | 7.02 | 7.37 | 272 | 183.0 | 56.3 | 6.81 | 0.20 | | | | CLEAR/COLORLESS |
| 1255 | 7.00 | 7.36 | 272 | 182.3 | 55.5 | 6.74 | 0.20 | | | | |
| 1300 | 7.08 | 7.34 | 272 | 181.2 | 54.4 | 6.55 | 0.20 | 3.35 | 0.08 | | |
| 1306 | 7.03 | 7.34 | 272 | 178.5 | 53.9 | 6.54 | 0.20 | | | | |
| 1310 | 6.95 | 7.33 | 271 | 174.8 | 53.7 | 6.50 | 0.20 | | | | |
| 1315 | 6.91 | 7.34 | 271 | 171.3 | 53.7 | 6.52 | 0.20 | 3.39 | 0.12 | | |
| 1325 | 7.74 | 7.34 | 278 | 166.5 | 53.4 | 6.36 | 0.20 | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Water Quality Stabilization Criteria

| Temp | pH | Cond. | ORP | D.O. |
|---------------------------|------------------|--------|-----------|---------|
| +/- 1°C (< 6°C warmup) | +/- 0.2 pH units | +/- 3% | +/- 10 mV | +/- 10% |

Time Leaving Well 1335 *CLOSE UP*

HACH DO KIT
 6-7 drops to = 6-7 mg/L
 colorless

Participating Samplers _____

Comments

GW Purge and Monitoring Form (Low-Flow)

Well ID MW-5 Date 30 AUG 2007

Time Arriving at Well 1123 Air Temp _____ Metr Conditions PCLOUDY

Depth, TOC to Water Level 3.40 ft
 Depth, TOC to Bottom of Casing (from records) 17.6 ft
 Depth of Pump Intake from TOC 16 ft

Flow Rate Established 2/1.0 liter/minute

Target Low-Flow Purge Rate: approx. 0.1 – 0.5 liter/min.
 Increased flow rate is permissible as long as water level draw-down is no more than 0.3 ft.

recalibrate DO

Water Quality Observations

| Time | Temp | pH | Cond. | ORP | D.O. % | D.O. mg/l | Salinity | Water Level | Draw-down | Elapsed Purge Volume | Appearance |
|------|------|------|-------|-------|--------|-----------|----------|-------------|-----------|----------------------|-----------------|
| 1136 | 7.55 | 7.40 | 290 | 203.9 | 66.9 | 8.07 | 0.21 | | | | Clear/colorless |
| 1140 | 7.30 | 7.22 | 286 | 201.6 | 65.5 | 7.88 | 0.21 | 3.44 | 0.04 | | " " |
| 1145 | 6.88 | 7.21 | 282 | 197.3 | 65.9 | 8.01 | 0.21 | | | | |
| 1150 | 6.86 | 7.22 | 282 | 191.8 | 67.5 | 8.22 | 0.21 | 3.44 | | | " " |
| 1155 | 6.82 | 7.24 | 282 | 186.4 | 68.0 | 8.27 | 0.21 | | | | ↓ |
| 1200 | 6.74 | 7.25 | 281 | 182.2 | 68.1 | 8.31 | 0.21 | | | | |
| 1205 | 6.66 | 7.24 | 281 | 178.3 | 68.0 | 8.32 | 0.21 | 3.46 | 0.06 | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Water Quality Stabilization Criteria

| Temp | pH | Cond. | ORP | D.O. |
|-----------------------------|------------------|--------|-----------|---------|
| +/- 1 °C (< 6 °C warmup) | +/- 0.2 pH units | +/- 3% | +/- 10 mV | +/- 10% |

CLOSE UP

Time Leaving Well 1220

HACH DO KIT
 8 drops = 8 mg/L DO
 to colorless

Participating Samplers CHRIS FLOYD

Comments