

GW Purge and Monitoring Form (Low-Flow)

Well ID MW-2 Date 31 May 07

Time Arriving at Well 13:48 Air Temp _____ Metr Conditions _____

Depth, TOC to Water Level 12.13 ft
 Depth, TOC to Bottom of Casing (from records) 12.13 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
1405	2.75	7.58	0.249	2.0	106	14.22	0.21	12.27			
1410	2.73	7.56	0.249	-2.8	99.9	13.54	0.21	12.21	0.08		
1415	2.71	7.59	0.249	-9.4	99.3	13.46	0.21				
1420	2.75	7.63	0.249	-14.3	100.4	13.58	0.21				
1425	2.70	7.60	0.249	-12.8	99.1	13.45	0.21				
1430	2.70	7.60	0.249	-13.8	99.5	13.49	0.21				

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 _____

Participating Samplers CRP

Comments

ORP malfunctioning?

GW Purge and Monitoring Form (Low-Flow)

Well ID MW-3 Date 31 July 07

Time Arriving at Well 1308 Air Temp 18°C Metr Conditions OVERCAST

Depth, TOC to Water Level 3.39 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
1320	5.33	7.53	0.268	21.8	67.5	8.49	0.21				slightly turbid
1325	5.30	7.42	0.268	17.1	61.0	7.71	0.21	3.50	0.11		
1330	5.34	7.38	0.268	12.1	64.1	8.11	0.21				clear/colorless
1335	5.28	7.36	0.268	9.0	65.0	8.21	0.21	3.49	0.10		

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 1340

Participating Samplers CFLD

Comments

D.O. readings very wacky

GW Purge and Monitoring Form (Low-Flow)

Well ID MW5 Date 31 JUL 07

Time Arriving at Well 1150 Air Temp ~65°F Metr Conditions CLOUDY

Depth, TOC to Water Level 3.52 ft
 Depth, TOC to Bottom of Casing (from records) 17.6 ft
 Depth of Pump Intake from TOC 10 ft

Flow Rate Established ~1.04 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
1201	7.47	7.83	0.298	18.0	75.4	8.99	0.22				slightly turbid
1220	6.86	7.61	0.293	18.6	85.0	10.43	0.22	3.56	0.04		
1230	7.07	7.31	0.296	15.8	77.0	9.30	0.22				
1235	6.98	7.27	0.295	13.5	78.5	9.64	0.22	3.56			clear/colorless
1240	6.94	7.25	0.295	12.5	75.2	9.12	0.22				
1245	6.98	7.23	0.295	12.7	75.3	9.13	0.22				
1250	6.92	7.21	0.294	12.6	75.8	9.21	0.22				

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 1251

Participating Samplers CFW/D

Comments

D.O. reading very noisy