

GW Purge and Monitoring Form (Low-Flow)

Well ID MW-2 Date 18 MAY 07

Time Arriving at Well 0850 Air Temp 7°C Metr Conditions cloudy

Depth, TOC to Water Level 12.30 ft

Depth, TOC to Bottom of Casing (from records) 21.40 ft *pump set @ 20' BT*

Flow Rate Established ~ 16/45 sec liter/minute (*slowest possible*)

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	$\mu S/cm$ Cond.	ORP	D.O.	Salinity	Water Level	Draw-down	Elapsed Purge Volume	Appearance
0925	2.04	6.72	277	233.7	86.9/12.00	0.23				
0930	2.02	6.88	257	225	93.8/12.86	0.22	12.36	0.06		clear
0935	1.99	6.99	250	219.0	94.9/13.10	0.21				
0940	1.99	7.05	248	214.7	96.0/13.41	0.21				clear
			0.443	$\mu S/cm$						

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 0945

Participating Samplers CFLD

Comments

GW Purge and Monitoring Form (Low-Flow)

Well ID MW-3 Date 18 MAY 07

Time Arriving at Well 0950 Air Temp _____ Metr Conditions _____

Depth, TOC to Water Level 3.33 ft
 Depth, TOC to Bottom of Casing (from records) 15.12 ft *set pump ~ 14'*

Flow Rate Established 1 L/50 sec 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	µm/cm ³ Cond.	ORP	% D.O.	mg/L	Salinity	Water Level	Draw-down	Elapsed Purge Volume	Appearance
1000	2.29	7.23	242	187.2	61%	9.37	0.20				turbid w/ 105µm sed.
1005	2.49	7.22	244	181.6	58.9%	8.04	0.20	3.38			clear
1010	2.53	7.22	244	177.3	58.1%	7.91	0.20				
1015	2.49	7.22	244	174.8	58.7%	7.99	0.20				
1020	2.49	7.22	244	177.8	58.8%	8.03	0.20				
			0.427 mS/cm ^c								

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 1025

Participating Samplers S FLOYD

Comments

GW Purge and Monitoring Form (Low-Flow)

Well ID MW.5 Date 18 MAY 07

Time Arriving at Well 1028 Air Temp _____ Metr Conditions _____

Depth, TOC to Water Level ~ 3.8 ft
 Depth, TOC to Bottom of Casing (from records) 17.6 ft set pump @ 16

Flow Rate Established ~ 1 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	$\mu S/cm$ Cond.	ORP	D.O.	Salinity	Water Level	Draw-down	Elapsed Purge Volume	Appearance
1038	2.78	7.20	257	179.8	64.6/8.74	0.21				turbid
1040	2.75	7.14	257	172.0	64.3/8.69	0.21				
1045	2.77	7.11	258	162.4	64.9/8.77	0.21				clear
1050	2.77	7.09	259	156.1	65.4/8.84	0.22				
1055	2.80	7.10	259	150.0	65.3/8.81	0.22				
			0.450 $\mu S/cm$							

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 1058

Participating Samplers CFLOYD

Comments

GW Purge and Monitoring Form (Low-Flow)

Well ID MW-2 Date 18 MAY 07

Time Arriving at Well 1506 Air Temp _____ Metr Conditions SUNNY

Depth, TOC to Water Level 12.26 ft
 Depth, TOC to Bottom of Casing (from records) _____ ft set pump @ 20'

Flow Rate Established 1/49 sec 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	MS/cm Cond.	ORP	% D.O. <small>mg/L</small>	Salinity	Water Level	Draw-down	Elapsed Purge Volume	Appearance
1515	2.72	6.86	269	188.8	91.9/12.32	0.22				
1520	2.64	7.05	254	175.3	94.8/12.87	0.21				
1525	3.64	7.10	260	166.1	92.9/12.26	0.21				
1530	4.00	7.05	264	161.0	91.6/11.97	0.21				
1535	4.01	7.07	264	152.4	92.3/12.07	0.21				
			.0542	MS/cm						

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 1538

Participating Samplers CF60-112

Comments

GW Purge and Monitoring Form (Low-Flow)

Well ID MN-3 Date 18 MAY 07

Time Arriving at Well 1543 Air Temp _____ Metr Conditions _____

Depth, TOC to Water Level 3.58 ft
 Depth, TOC to Bottom of Casing (from records) 15.12 ft *set pump @ 14'*

Flow Rate Established 1 L / 46 sec 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	$\mu\text{S}/\text{cm}$ Cond.	ORP	% D.O.	Salinity	Water Level	Draw- down	Elapsed Purge Volume	Appearance
1550	2.56	7.24	245	145.5	53.1/7.20	0.21				Clear
1555	2.68	7.20	249	133.0	52.2/7.08	0.21				
1600	2.62	7.20	249	129.1	52.3/7.09	0.21				
1605	2.64	7.19	249	123.5	51.7/7.01	0.21				
1610	2.70	7.19	249	112.4	51.9/7.03	0.21				
			0.435 $\mu\text{S}/\text{cm}$							

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 1612

Participating Samplers C FLOYD

Comments

GW Purge and Monitoring Form (Low-Flow)

Well ID MW.5 Date 18 MAY 07

Time Arriving at Well 1617 Air Temp _____ Metr Conditions SUNNY

Depth, TOC to Water Level ~3.1 ft
 Depth, TOC to Bottom of Casing (from records) 17.6' ft *set pump @ 16'*

Flow Rate Established 1L/46sec 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	$\mu S/cm$ Cond.	ORP	% D.O.	mg/L	Salinity	Water Level	Draw-down	Elapsed Purge Volume	Appearance
1630	2.76C	7.15	258	122.1	64.1/8.15		0.21				
1635	2.85C	7.12	259	116.7	61.1/8.31		0.21				
1640	2.85	7.07	259	116.8	61.8/8.36		0.21				clear
1645	2.85	7.10	259	108.	62.5/8.41		0.21				
1650	2.85	7.10	279	103.0	62.8/8.44		0.21				
			0.450								

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 1655

Participating Samplers CP60-112

Comments