The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM2	Sample Date:	2/1/12	Sampling Company:	TREC	Sampled By 1:	TN
						Sampled By 2	WC
Sample Event	Q4-2012					Sampled By 3:	

Well Information:

Well Total Depth (TD)	370	ft			Well Measuring Point (MP) Location:		North Side-Marked		
Sampled From:	Pump Test Well		Well Inside Diameter:	4.5	inches	Pump Type Used:	Dedicated Low Flow Bladder		
Screened Interval:	350	Feet to	370	Feet	Pump Intake Depth:	360	ft	Tubing Type:	Dedicated Plastic

Well Fluid Measurements:

Time (military):	12:30		Weather:	Air Temp	36	(°F)	Conditions:	Overcast, wind speed 11 mph	
Water level gauged using:	Electronic tape	ft							
Depth to Water (DTW) below MP:	305.43	ft							
Water Column Height (TD-DTW):	0	ft							
Water volume = pr^2h (cf)	0.00	gallons							
3 Well Volumes:	0.00	gallons							

Well volume (in gal / LF) = pr2 (cf) where: p = pi (approximately 3.14); r = radius of monitoring well (feet)
cf = conversion factor (7.48 gal/ft3);

Well ID (in)	2	3	4	4.5	5
Water Volume (gal/LF)	0.163188147	0.367173331	0.652752589	0.826139995	1.01992592

Purging:

Purge Date	2/1/12		Purge Time Begin	12:35		Low Flow Pump Controller Settings:		Charge Time	11	Exhaust Time	19
Purge Pump Type:	Dedicated Low Flow Bladder		Pumping Rate:	400	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:		1/24/12	
Volume Purged Prior to Sampling:	3	gallons				Meter Type(2):	Hach Turbidity	Meter Calibration Date:		1/24/12	
						Meter Type(3):		Meter Calibration Date:			

Field Stabilization Measurements:

Sample ID	Purge Date	Time (min.)	Purge Rate (ml/min)	Purge Rate (gal/min)	Temp (°C)	Conductivity (µmhos/cm)	DO (mg/L)	pH (su)	ORP (mV)	Turbidity (NTU)	Water Level (ft)	Comments
PZM2-004-120201	02/01/12	12:50	400		9.14	1809	10.12	7.81	130.2	1.4	305.80	
		12:53	400		9.35	1832	8.91	8.02	131.8	1.4	305.83	
		12:56	400		9.47	1833	6.03	8.01	133.4	1.8	305.87	
		12:59	400		9.67	1831	4.34	8.10	133.6	1.1	305.88	
		1303	400		9.82	1835	3.2	8.22	-139.9	2.7	305.88	
		1306	400		9.89	1843	2.32	8.28	-182.6	4.6	305.88	
		1309	400		9.91	1843	2.08	8.29	-188.3	2.7	305.89	
		1312	400		10.00	1844	1.91	8.30	-189.2	3.2	305.90	
		1315	400		9.98	1844	1.76	8.31	-191.3	2.7	305.90	
		1318	400		9.98	1847	1.7	8.31	-199.7	2.9	305.91	
		1321	400		9.99	1845	1.64	8.31	-201.0	2.6	305.92	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	2/1/2012	Sample Collection Time (MT):	1330				
Sample Pump Type:	Dedicated Low Flow Bladder			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	1/24/12
				Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	1/24/12
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type		COC#1:	RC08185	Lab 1	IML
Duplicate Name		Duplicate Sample Time		COC#2:		Lab 2	
				COC#3:		Lab 3	

Analysis:	Table 1- 4.14, Guide 8, & Radon 222					

Comments:

Nice recharge! Final water level 305.63

Stablization Parameters
Temp = +/- 3% in celcius
pH = +/- 0.1 unit
SC = +/- 3% in µmhos/cm
ORP/Eh = +/- 10 millivolts
DO = +/- 10% in mg/L
Turbidity= +/_10% for values > 5

Range values for data entry

Conductivity Range (µmhos/cm)		Turbidity (NTU)		Dissolve Oxygen (DO) (mg/L)		Temperature Range (°C)		Ox/Reduc Potential (mV)	
Min	0	Min	0	Min	0.01	Min	-20	Min	-400
Max	2000	Max	1000	Max	2000	Max	80	Max	700