The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM2	Sample Date:	9/19/11	Sampling Company:	TREC	Sampled By 1:	TN
						Sampled By 2	WC
Sample Event	Q2-2011					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:	Non-Dedicated Low Flow Bladder			
Screened Interval:	350	Feet to	370	Feet	Pump Intake Depth:	360	ft	Tubing Type:	Non-dedicated Plastic

Well Fluid Measurements:

Time (military):	930	Weather:	Air Temp	67	(°F)	Conditions:	Windy, sunny
Water level gauged using:	Electronic tape	ft					
Depth to Water (DTW) below MP:	304.45	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	9/19/11	Purge Time Begin	1015		Low Flow Pump Controller Settings:		Charge Time	10	Exhaust Time 20
Purge Pump Type:	Non-Dedicated Low Flow Bladder	Pumping Rate:	250	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	8/15/11	
Volume Purged Prior to Sampling:	1.5	gallons			Meter Type(2):	Hach Turbidity	Meter Calibration Date:	8/11/11	
					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
PZM2-002-110919	09/19/11	1030	250		20.11	1527	12.08	10.08	4.6	7.2	305.90	
		1033	250		19.49	1940	4.46	10.75	-42.9	7.8	305.87	
		1036	250		19.28	1979	2.27	10.84	-74.0	5.7	305.86	
		1039	250		19.27	2034	1.13	10.99	-107	6.1	305.86	
		1042	250		19.37	2054	0.82	11.09	-125.8	5.4	305.86	
		1045	250		19.5	2057	0.73	11.15	-134.5	6.3	305.85	
		1048	250		19.32	2066	0.62	11.19	-139.8	4.9	305.85	
		1051	250		19.24	2062	0.58	11.2	-146.8	4.2	305.85	
		1054	250		19.15	2065	0.55	11.21	-149.8	4.1	305.85	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	9/19/2011	Sample Collection Time (MT):	1100				
Sample Pump Type:	Non-Dedicated Low Flow Bladder			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	8/15/11
				Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	8/11/11
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type		COC#1:	RC08337	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:

High conductivity; good recharge

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