The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM8	Sample Date:	6/14/11	Sampling Company:	TREC	Sampled By 1:	TN
						Sampled By 2	JB
Sample Event	Q3-2011					Sampled By 3:	None

Well Information:

Well Total Depth (TD)	340	ft			Well Measuring Point (MP) Location:		North Side-Marked		
Sampled From:	Monitoring Well		Well Inside Diameter:	4.5	inches	Pump Type Used:	Dedicated Low Flow Bladder		
Screened Interval:	305	Feet to	340	Feet	Pump Intake Depth:	323	ft	Tubing Type:	Dedicated Plastic

Well Fluid Measurements:

Time (military):	1200	Weather:	Air Temp	63	(°F)	Conditions:	Windy, sunny, hot

Water level gauged using:	Electronic tape	ft	
Depth to Water (DTW) below MP:	287.91	ft	
Water Column Height (TD-DTW):	52.09	ft	
Water volume = pr^2h (cf)	43.03	gallons	
3 Well Volumes:	129.10	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	6/14/11		Purge Time Begin	1215		Low Flow Pump Controller Settings:		Charge Time	10	Exhaust Time	20
Purge Pump Type:	Dedicated Low Flow Bladder		Pumping Rate:	300	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:		6/6/11	
Volume Purged Prior to Sampling:	2.5	gallons				Meter Type(2):	Hach Turbidity	Meter Calibration Date:		6/6/11	
						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
PZM8-003-110614	06/14/11	1230	300		12.54	1908	3.11	9.65	-178.1	0.9	288.04	
		1233	300		12.75	1929	1.56	10.07	-178.9	1.0	288.04	
		1236	300		12.53	1925	0.74	10.19	-176.1	2.1	288.04	
		1239	300		12.87	1924	0.48	10.18	-169.1	1.5	288.04	
		1242	300		13.01	1916	0.41	10.19	-167	0.5	288.04	
		1245	300		12.96	1917	0.38	10.19	-164.8	0.4	288.04	
		1248	300		12.95	1912	0.34	10.19	-163.6	0.4	288.04	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	6/14/2011	Sample Collection Time (MT):	1250				
Sample Pump Type:	Dedicated Low Flow Bladder			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	6/6/11
				Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	6/6/11
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type	None	COC#1:	RC08295	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:

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	4	Min	-20	Min	-400
Max	2000	Max	1000	Max	20	Max	80	Max	600