The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM18	Sample Date:	6/8/11	Sampling Company:	TREC	Sampled By 1:	RK
						Sampled By 2	TN
Sample Event	Q3-2011					Sampled By 3:	None

Well Information:

Well Total Depth (TD)	270	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:	250	Feet to	270	Feet	Pump Intake Depth:	260	ft	Tubing Type:	Dedicated Plastic

Well Fluid Measurements:

Time (military):	1315		Weather:	Air Temp	62	(°F)	Conditions:	Slight breeze, overcast	
Water level gauged using:		Electronic tape	ft						
Depth to Water (DTW) below MP:		163.24	ft						
Water Column Height (TD-DTW):		106.76	ft						
Water volume = pr^2h (cf)		88.20	gallons						
3 Well Volumes:	264.60	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	6/8/11		Purge Time Begin	1330		Low Flow Pump Controller Settings:		Charge Time	3	Exhaust Time	27
Purge Pump Type:	Dedicated Low Flow Bladder		Pumping Rate:	125	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:		6/6/11	
Volume Purged Prior to Sampling:	1	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
PZM18-003-110608	06/08/11	1340	125		13.85	1181	6.25	10.35	-167.2	1.1	163.82	
		1343	125		12.64	1176	2.42	11.30	-203.4	0.9	163.89	
		1346	125		12.58	1172	1.63	11.39	-197.9	0.6	163.97	
		1349	125		12.9	1168	1.31	11.32	-190	0.6	164.00	
		1352	125		13.02	1170	1.26	11.27	-185.4	0.6	164.06	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	6/8/2011	Sample Collection Time (MT):	1355				
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:	RC08290	Lab 1	IML
Duplicate Name		Duplicate Sample Time		COC#2:		Lab 2	ALS
				COC#3:		Lab 3	

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

Comments:

Slow recharge rate-very high pH; sampled with minimal drawdown

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