The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM15	Sample Date:	5/18/11	Sampling Company:	TREC	Sampled By 1:	TN
						Sampled By 2	RK
Sample Event	Q2-2010					Sampled By 3:	RD

Well Information:

Well Total Depth (TD)	443	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:	420	Feet to	440	Feet		Pump Intake Depth:	430	ft	Tubing Type: Dedicated Plastic

Well Fluid Measurements:

Time (military):	1320	Weather:	Air Temp	48	(°F)	Conditions:	Rainy, Overcast
Water level gauged using:	Electronic tape	ft					
Depth to Water (DTW) below MP:	225.9	ft					
Water Column Height (TD-DTW):	217.1	ft					
Water volume = pr^2h (cf)	179.35	gallons					
3 Well Volumes:	538.06	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	5/18/11	Purge Time Begin	13:40		Low Flow Pump Controller Settings:		Charge Time	10	Exhaust Time 17
Purge Pump Type:	Dedicated Low Flow Bladder	Pumping Rate:	300	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	5/4/11	
Volume Purged Prior to Sampling:	4	gallons			Meter Type(2):	Hach Turbidity	Meter Calibration Date:	5/4/11	
					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
PZM15-002-110518	05/18/11	1405	300		10.97	845	0.97	8.27	-41.2	2.25	226.40	
		1408	300		10.93	844	0.48	8.53	-48.6	2.42	226.48	
		1411	300		10.90	844	0.36	8.55	-67.3	1.68	226.48	
		1414	300		10.9	844	0.29	8.52	-87	1.72	226.50	
		1417	300		10.87	843	0.26	8.47	-95.3	1.79	226.51	
		1420	300		10.91	841	0.23	8.37	-99.7	11.7	226.53	
		1423	300		10.86	838	0.21	8.34	-85	9.38	226.54	
		1426	300		10.85	836	0.22	8.34	-75.4	5.21	226.54	
		1429	300		10.88	835	0.22	8.35	-72.4	3.11	226.60	
		1432	300		10.86	835	0.22	8.34	-70.5	3	226.60	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	5/18/2011	Sample Collection Time (MT):	1440				
Sample Pump Type:	Dedicated Low Flow Bladder			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	5/4/11
				Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	5/4/11
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type	None	COC#1:	RC08277	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:

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