The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM10	Sample Date:	6/13/11	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)	320	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:	300	Feet to	320	Feet		Pump Intake Depth:	310	ft	Tubing Type: Dedicated Plastic

Well Fluid Measurements:

Time (military):	12:15	Weather:	Air Temp	74	(°F)	Conditions:	Slight Breeze, Sunny	
Water level gauged using:	Electronic tape	ft						
Depth to Water (DTW) below MP:	288.91	ft						
Water Column Height (TD-DTW):	31.09	ft						
Water volume = pr^2h (cf)	25.68	gallons						
3 Well Volumes:	77.05	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	6/13/11	Purge Time Begin	1300		Low Flow Pump Controller Settings:		Charge Time	8	Exhaust Time 24
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
PZM10-003-110613	06/13/11	1320	300		13.25	1913	3.52	9.02	-202.2	2.3	289.00	
		1323	300		13.42	1904	2.46	9.88	-213.8	2.4	289.03	
		1326	300		13.70	1913	5.72	10.20	-210.2	2.9	289.03	
		1329	300		13.7	1909	1.94	10.43	-191	2.9	289.03	
		1332	300		13.84	1907	3.87	10.55	-196.2	2.8	289.03	
		1335	300		13.78	1907	3.13	10.55	-192.1	2.4	289.04	
		1338	300		13.64	1908	3.61	10.61	-187.8	2.1	289.04	
		1341	300		13.73	1908	4.63	10.51	-187.6	2	289.04	

Sampling:

Sample Date	6/13/2011	Sample Collection Time (MT):	1345				
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:	RC08292	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:

DO all over-did not use as stabilzation factor. pH suspect

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