

The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	SM7	Sample Date:	9/1/11	Sampling Company:	TREC	Sampled By 1:	TN
Sample Event	Q1-2011					Sampled By 2:	WC
						Sampled By 3:	None

Well Information:							
Well Total Depth (TD)	75	ft	Well Measuring Point (MP) Location:	North Side-Marked			
Sampled From:	Monitoring Well	Well Inside Diameter:	4.5	inches	Pump Type Used:	Hand bail	
Screened Interval:	55	Feet to	75	Feet	Pump Intake Depth:		Tubing Type:
							N/A

Well Fluid Measurements:							
Time (military):	730	Weather:	Air Temp	55	(°F)	Conditions:	Slight breeze, overcast
Water level gauged using:	Electronic tape	ft					
Depth to Water (DTW) below MP:	65.5	ft					
Water Column Height (TD-DTW):	9.5	ft					
Water volume = $\pi r^2 h$ (cf)	7.85	gallons					
3 Well Volumes:	23.54	gallons					

Well volume (in gal / LF) = $\pi r^2 h$ where: π = 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	9/1/11	Purge Time Begin		Low Flow Pump Controller Settings:	Charge Time	Exhaust Time	
Purge Pump Type:	Hand bail	Pumping Rate:	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	8/15/11
Volume Purged Prior to Sampling:	0	gallons		Meter Type(2):	Hach Turbidity	Meter Calibration Date:	8/11/11
	Direct sample; no purge;			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	
SM7-001-110901		8:25			11.81	2625	6.06	8.27	-47.4	Maxed out	67.96	Final water level	
		Only parameters taken											
Repeat Last Stabilization Meas.													

Sampling:							
Sample Date	9/1/2011	Sample Collection Time (MT):	8:30 AM	Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	8/15/11
Sample Pump Type:				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 Duplicate	None	COC#1:	RC 08372	Lab 1	IML
Duplicate Name		Sample Time		COC#2:		Lab 2	
				COC#3:		Lab 3	

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

Comments: Hand bail due to very low water volume; very muddy sample

Stabilization 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