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
						Sampled By 2	WC
Sample Event	Q1-2011					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:		ft	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 = pr^2h (cf)		7.85	gallons						
3 Well Volumes:	23.54	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	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					
Sample Pump Type:				Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	8/15/11	
				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	None	COC#1:	RC 08372	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:

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

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