The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	SM6	Sample Date:	8/17/11	Sampling Company:	TREC	Sampled By 1:	RM
						Sampled By 2	WC
Sample Event	Q3-2011					Sampled By 3:	None

Well Information:

Well Total Depth (TD)	80	ft			Well Measuring Point (MP) Location:		North Side-Marked		
Sampled From:	Monitoring Well		Well Inside Diameter:	4.5	inches	Pump Type Used:	Non-Dedicated Low Flow Bladder		
Screened Interval:	60	Feet to	80	Feet		Pump Intake Depth:	75	ft	Tubing Type: Non-dedicated Plastic

Well Fluid Measurements:

Time (military):	940	Weather:	Air Temp	72	(°F)	Conditions:	Sunny, Slight Breeze
Water level gauged using:	Electronic tape	ft					
Depth to Water (DTW) below MP:	72.6	ft					
Water Column Height (TD-DTW):	7.4	ft					
Water volume = pr^2h (cf)	6.11	gallons					
3 Well Volumes:	18.34	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	8/17/11	Purge Time Begin	9:50		Low Flow Pump Controller Settings:		Charge Time	3	Exhaust Time 20
Purge Pump Type:	Non-Dedicated Low Flow Bladder	Pumping Rate:	250	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;	psi 205		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
SM6-003-110817		9:52	190		26.21	2024	5.14	8.13	-103.5	5.2	73.33	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	8/17/2011	Sample Collection Time (MT):	10:11 AM				
Sample Pump Type:	Non-Dedicated Low Flow Bladder			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 08356	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:

No Recharge

Took only one paraqmeter reading

Final depth to water following sampling 75.99 feet

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