

The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	OM2	Sample Date:	2/2/12	Sampling Company:	TREC	Sampled By 1:	TN							
Sample Event	Q4-2012	Sampled By 2:	WC	Sampled By 3:										
Well Information:														
Well Total Depth (TD)	221	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:	201	Feet to	221	Feet	Pump Intake Depth:	211	ft							
						Tubing Type:	Dedicated Plastic							
Well Fluid Measurements:														
Time (military):	9:50	Weather:	Air Temp	29	(°F)	Conditions: Overcast, very cold, wind speed 13 mph								
Water level gauged using:	Electronic tape	ft												
Depth to Water (DTW) below MP:	137.1	ft												
Water Column Height (TD-DTW):	0	ft												
Water volume = $\pi r^2 h$ (cf)	0.00	gallons												
3 Well Volumes:	0.00	gallons												
Purging:														
Purge Date	2/2/12	Purge Time Begin	9:55	Low Flow Pump Controller Settings:		Charge Time	3							
Purge Pump Type:	Dedicated Low Flow Bladder	Pumping Rate:	250	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:							
Volume Purged Prior to Sampling:	2	gallons			Meter Type(2):	Hach Turbidity	Meter Calibration Date:							
					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		
OM2-004-120202	02/02/12	10:05	250		7.30	526	7.23	9.29	-235.8	0.9	137.90			
		10:08	250		7.49	532	2.61	9.22	-259.3	0.9	138.01			
		10:11	250		7.55	517	1.97	9.46	-238.7	0.7	138.21			
		10:14	250		7.60	516	1.84	9.47	-227.6	0.8	138.33			
		10:17	250		7.66	516	1.72	9.49	-225.2	0.7	138.46			
		10:20	250		7.75	516	1.64	9.5	-226.5	0.9	138.56			
		10:23	250		7.74	516	1.61	9.5	-227.1	1.0	138.73			
Repeat Last Stabilization Meas.														
Sampling:														
Sample Date	2/2/2012	Sample Collection Time (MT):	10:30					Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	1/24/12			
Sample Pump Type:	Dedicated Low Flow Bladder					Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	1/24/12					
								Meter Type(3):		Meter 3 Calibration Date:				
Analysis:														
QA/QC Sample	Yes	QA/QC Type	DUP	COC#1:	RC08172	Lab 1	IML							
Duplicate Name	WO2-008-120202	Duplicate Sample Time	11:30	COC#2:	RC08173	DUP CoC	Lab 2	ALS						
				COC#3:		Lab 3								
Analysis:	Table 1- 4.14, Guide 8, & Radon 222													
Comments:	Slow recharge so sampled with minimal draw down													
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					