

The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	UM2	Sample Date:	7/26/11	Sampling Company:	TREC	Sampled By 1:	RD
Sample Event	Q1-2011					Sampled By 2:	RK
						Sampled By 3:	WC

Well Information:

Well Total Depth (TD)	443	ft	Well Measuring Point (MP) Location:	North Side-Marked
Sampled From:	Monitoring Well	Well Inside Diameter:	4.5	inches
Screened Interval:	423	Feet to	443	Feet
		Pump Type Used:	Non-Dedicated Low Flow Bladder	
		Pump Intake Depth:	433	ft
		Tubing Type:	Non-Dedicated Plastic	

Well Fluid Measurements:

Time (military):	640	Weather:	Air Temp	63	(°F)	Conditions:	Cloudy, slight breeze
Water level gauged using:	Electronic tape						
Depth to Water (DTW) below MP:	318.13	ft					
Water Column Height (TD-DTW):	0	ft					
Water volume = $\pi r^2 h$ (cf)	0.00	gallons					
3 Well Volumes:	0.00	gallons					

Well volume (in gal / LF) = πr^2 (cf) 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	7/26/11	Purge Time Begin	807	Low Flow Pump Controller Settings:	Charge Time	12	Exhaust Time	25
Purge Pump Type:	Non-Dedicated Low Flow Bladder	Pumping Rate:	300	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	7/20/11
Volume Purged Prior to Sampling:	3	gallons			Meter Type(2):	Hach Turbidity	Meter Calibration Date:	7/7/11
					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		
UM2-001-110726	07/26/11	829	300		15.48	895	1.10	11.16	50.6	8.6	320.19			
		832	300		15.26	957	0.84	11.22	52.4	6.3	320.37			
		835	300		15.27	951	0.72	11.02	59.4	5.7	320.68			
		838	300		15.19	965	0.67	10.91	61	5.5	320.75			
		841	300		14.85	971	0.62	10.82	62.8	5.6	321.05			
		844	300		14.9	966	0.59	10.78	63.8	4.8	321.15			
		847	300		15.54	968	0.55	10.81	63.3	5.7	321.48			
		850	300		15.83	970	0.51	10.88	61.7	4.8	321.60			
		853	300		15.53	974	0.51	10.88	61.7	4.5	321.87			
Repeat Last Stabilization Meas.														

Sampling:

Sample Date	7/26/2011	Sample Collection Time (MT):	855	Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	7/20/11
Sample Pump Type:	Non-Dedicated Low Flow Bladder			Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	7/7/11
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type		COC#1:	RC08320	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: Well just logged and airlifted (7-11); Drawdown/stabilization not factors as per client request; high pH due to recent well completion

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