

The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	OM2	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)	221	ft	Well Measuring Point (MP) Location:	North Side-Marked
Sampled From:	Monitoring Well	Well Inside Diameter:	4.5	inches
Screened Interval:	201	Feet to	221	Feet
		Pump Type Used:	Non-Dedicated Low Flow Bladder	
		Pump Intake Depth:	211	ft
		Tubing Type:	Non-Dedicated Plastic	

Well Fluid Measurements:

Time (military):	1100	Weather:	Air Temp	81	(°F)	Conditions:	Cloudy with a steady drizzle and slight breeze
Water level gauged using:	Electronic tape	ft					
Depth to Water (DTW) below MP:	144.02	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) = $\pi r^2 (cf)$ where: π = pi (approximately 3.14); r = radius of monitoring well (feet) cf = conversion factor (7.48 gal/ft ³);					
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	1105	Low Flow Pump Controller Settings:	Charge Time	8	Exhaust Time	18
Purge Pump Type:	Non-Dedicated Low Flow Bladder	Pumping Rate:	325	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	7/20/11
Volume Purged Prior to Sampling:	3.75	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		
OM2-001-110726	07/26/11	1136	400		16.37	483	0.37	11.08	76.1	20.0	147.25			
		1139	400		16.34	483	0.65	10.91	66.1	19.1	147.68			
		1142	400		16.35	480	0.78	10.84	55.7	16.6	148.10			
		1147	325		16.32	479	1.41	10.57	66.8	16.7	149.03			
		1150	325		16.33	481	2.26	10.24	68.3	16.2	149.40			
		1153	325		16.46	482	1.94	10.46	70.7	16.7	149.67			
		1156	325		16.7	481	1.87	10.48	70.8	15.7	150.09			
		1159	325		16.71	480	1.8	10.48	70.1	16	150.48			
Repeat Last Stabilization Meas.														

Sampling:

Sample Date	7/26/2011	Sample Collection Time (MT):	1200	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:	RC08321	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: 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