

The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM2	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)	370	ft	Well Measuring Point (MP) Location:	North Side-Marked
Sampled From:	Pump Test Well	Well Inside Diameter:	4.5	inches
Screened Interval:	350	Feet to	370	Feet
		Pump Intake Depth:	360	ft
		Pump Type Used:	Non-Dedicated Low Flow Bladder	
		Tubing Type:	Non-dedicated Plastic	

Well Fluid Measurements:

Time (military):	1300	Weather:	Air Temp	83	(°F)	Conditions:	Mostly cloudy, breezy
Water level gauged using:	Electronic tape	ft					
Depth to Water (DTW) below MP:	304.98	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	1320	Low Flow Pump Controller Settings:	Charge Time	13	Exhaust Time	26
Purge Pump Type:	Non-Dedicated Low Flow Bladder	Pumping Rate:	425	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	7/20/11
Volume Purged Prior to Sampling:	2.5	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
PZM2-001-110726	07/26/11	1336	425		21.03	1830	2.25	11.83	50.5	11.7	305.57	
		1339	425		20.50	1848	1.75	11.63	60.0	5.9	305.47	
		1342	425		19.17	1855	1.52	11.28	70.5	5.0	305.47	
		1346	425		19.34	1866	1.44	11.08	76.4	5.1	305.47	
		1349	425		19.56	1860	1.37	11.06	81.1	5.6	305.51	
		1352	425		19.94	1859	1.31	11.13	80.3	5.1	305.57	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	7/26/2011	Sample Collection Time (MT):	1354	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:	RC08322	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: Stabilization/drawdown not factors as per client request; high pH due to recent well completion

Stabilization Parameters
Temp = +/- 3% in celsius
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