

The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM6	Sample Date:	6/2/11	Sampling Company:	TREC	Sampled By 1:	TN
Sample Event	Q3-2011					Sampled By 2:	RK
						Sampled By 3:	RD

Well Information:

Well Total Depth (TD)	359	ft	Well Measuring Point (MP) Location:	North Side-Marked
Sampled From:	Monitoring Well	Well Inside Diameter:	4.5	inches
Screened Interval:	335	Feet to	355	Feet
		Pump Type Used:	Dedicated Low Flow Bladder	
		Pump Intake Depth:	345	ft
		Tubing Type:	Dedicated Plastic	

Well Fluid Measurements:

Time (military):	1115	Weather:	Air Temp	69	(°F)	Conditions:	Very windy, sunny
Water level gauged using:	Electronic tape						
Depth to Water (DTW) below MP:	196.07	ft					
Water Column Height (TD-DTW):	162.93	ft					
Water volume = $\pi r^2 h$ (cf)	134.60	gallons					
3 Well Volumes:	403.81	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/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	6/2/11	Purge Time Begin	1120	Low Flow Pump Controller Settings:	Charge Time	7	Exhaust Time	11
Purge Pump Type:	Dedicated Low Flow Bladder	Pumping Rate:	300	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	5/4/11
Volume Purged Prior to Sampling:	2	gallons			Meter Type(2):	Hach Turbidity	Meter Calibration Date:	5/4/11
					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		
PZM6-003-110602	06/02/11	1150	300		14.13	1185	2.10	9.81	-245.7	2.6	198.65			
		1153	300		13.54	1173	0.22	10.94	-248.8	3.6	198.60			
		1156	300		13.67	1165	0.14	11.22	-245.3	2.2	198.60			
		1159	300		13.51	1164	0.13	11.24	-242.2	2.3	198.59			
Repeat Last Stabilization Meas.														

Sampling:

Sample Date	6/2/2011	Sample Collection Time (MT):	1200	Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	5/4/11
Sample Pump Type:	Dedicated Low Flow Bladder			Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	5/4/11
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type Duplicate	None	COC#1:	RC08275	Lab 1	IML
Duplicate Name		Sample Time		COC#2:		Lab 2	ALS
				COC#3:		Lab 3	

Analysis: Table 1- 4.14, Guide 8, & Radon 222

Comments:

Methane odor

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 4	Min -20	Min -400
Max 2000	Max 1000	Max 20	Max 80	Max 600