

The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM7	Sample Date:	9/6/11	Sampling Company:	TREC	Sampled By 1:	TN
Sample Event	Q2-2011					Sampled By 2:	WC
						Sampled By 3:	

Well Information:

Well Total Depth (TD)	318	ft	Well Measuring Point (MP) Location:	North Side-Marked
Sampled From:	Monitoring Well	Well Inside Diameter:	4.5	inches
Screened Interval:	298	Feet to	318	Feet
		Pump Type Used:	Non-Dedicated Low Flow Bladder	
		Pump Intake Depth:	308	ft
		Tubing Type:	Non-dedicated Plastic	

Well Fluid Measurements:

Time (military):	1150	Weather:	Air Temp	76	(°F)	Conditions:	Slight breeze, overcast
Water level gauged using:	Electronic tape	ft					
Depth to Water (DTW) below MP:	184.98	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	9/6/11	Purge Time Begin	1155	Low Flow Pump Controller Settings:	Charge Time	7	Exhaust Time	23
Purge Pump Type:	Non-Dedicated Low Flow Bladder	Pumping Rate:	350	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	8/15/11
Volume Purged Prior to Sampling:	1	gallons			Meter Type(2):	Hach Turbidity	Meter Calibration Date:	8/11/11
					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	
PZM7-002-110906	09/06/11	1215	350		23.92	971	3.05	8.60	-72.8	5.5	185.33		
		1218	350		23.15	996	1.91	8.84	-99.9	6.4	185.41		
		1221	350		22.41	973	1.59	9.18	-115.6	13.0	185.52	Changed CI and ET	
		1224	260		21.64	967	0.98	9.39	-133.3	13.8	185.52		
		1227	260		22.07	962	0.79	9.45	-139.4	6.1	185.48	Changed CI and ET	
		1230	350		22.51	967	0.71	9.47	-142.3	6.7	185.50		
		1233	350		22.22	967	0.62	9.48	-146.4	6.9	185.54		
Repeat Last Stabilization Meas.													

Sampling:

Sample Date	9/6/2011	Sample Collection Time (MT):	1230	Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	8/15/11
Sample Pump Type:	Non-Dedicated Low Flow Bladder			Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	8/11/11
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample		QA/QC Type		COC#1:	RC08374	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 was swabbed on 9/1/11

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 (mS/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