

The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	SM3	Sample Date:	7/22/11	Sampling Company:	TREC	Sampled By 1:	TN
Sample Event	Q1-2011					Sampled By 2:	WC
						Sampled By 3:	

Well Information:

Well Total Depth (TD)	80	ft	Well Measuring Point (MP) Location:	North Side-Marked
Sampled From:	Monitoring Well	Well Inside Diameter:	4.5	inches
Screened Interval:	60	Feet to	80	Feet
		Pump Type Used:	Hand Bailer	
		Pump Intake Depth:	70	ft
		Tubing Type:	Bailer	

Well Fluid Measurements:

Time (military):	1300	Weather:	Air Temp	95	(°F)	Conditions:	Sunny and very hot
Water level gauged using:	Electronic tape						
Depth to Water (DTW) below MP:	69.38	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	n/a	Purge Time Begin	n/a	Low Flow Pump Controller Settings:	Charge Time	Exhaust Time
Purge Pump Type:	n/a	Pumping Rate:	n/a	ml/min	Meter Type(1):	YSI Multi
Volume Purged Prior to Sampling:					Meter Calibration Date:	7/20/11
					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	
SM3-001-110722	n/a	1325			12.27	554	43.6	8.24	118.4	28.9			
Repeat Last Stabilization Meas.													

Sampling:

Sample Date	7/26/2011	Sample Collection Time (MT):	1330	Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	7/20/11
Sample Pump Type:	Hand Bailer			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:	RC08333	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: Per client request no purging due to low volume; direct sample, only parameters taken

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