

The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	UM3R	Sample Date:	3/7/12	Sampling Company:	TREC	Sampled By 1:	TN
Sample Event	Q3-2012					Sampled By 2:	WC
						Sampled By 3:	

Well Information:

Well Total Depth (TD)	480	ft	Well Measuring Point (MP) Location:	North Side-Marked
Sampled From:	Monitoring Well	Well Inside Diameter:	4.5	inches
Screened Interval:	460	Feet to	480	Feet
		Pump Type Used:	Dedicated Low Flow Bladder	
		Pump Intake Depth:	470	ft
		Tubing Type:	N/A	

Well Fluid Measurements:

Time (military):	8:35	Weather:	Air Temp	18	(°F)	Conditions:	Overcast, winds 10mph, wind chill 7°
Water level gauged using:	Electronic tape						
Depth to Water (DTW) below MP:	318.58	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	3/7/12	Purge Time Begin	8:45	Low Flow Pump Controller Settings:	Charge Time	7	Exhaust Time	23
Purge Pump Type:	Dedicated Low Flow Bladder	Pumping Rate:	300	gal/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	1/24/12
Volume Purged Prior to Sampling:	2	gallons			Meter Type(2):	Hach Turbidity	Meter Calibration Date:	1/24/12
					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		
UM3R-003-120307	03/07/12	9:00	300		7.55	1348	6.46	11.31	59.0	2.6	320.14			
		9:03	300		8.02	1363	3.47	11.32	-35.3	2.7	320.30			
		9:06	300		8.37	1363	2.43	11.31	-72.4	2.5	320.51			
		9:09	300		8.31	1369	2.04	11.32	-98.4	2.5	320.67			
		9:12	300		8.37	1366	1.87	11.32	-106.3	2.9	320.80			
		9:15	300		8.00	1369	1.71	11.32	-135.1	5.5	320.90			
		9:18	300		8.28	1359	1.63	11.32	-144.7	5.9	321.00			
		9:21	300		8.17	1359	1.57	11.32	-150.9	5.9	321.10			
Repeat Last Stabilization Meas.														

Sampling:

Sample Date	3/7/2012	Sample Collection Time (MT):	9:30	Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	1/24/12
Sample Pump Type:	Dedicated Low Flow Bladder			Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	1/24/12
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type		COC#1:	RC08268	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:

Slow recharge-sampled with minimal draw down. High pH-11.32

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 (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