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
						Sampled By 2	WC
Sample Event	Q3-2012					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	Pump Type Used:	Dedicated Low Flow Bladder		
Screened Interval:	460	Feet to	480	Feet		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	ft					
Depth to Water (DTW) below MP:	318.58	ft					
Water Column Height (TD-DTW):	0	ft					
Water volume = pr^2h (cf)	0.00	gallons					
3 Well Volumes:	0.00	gallons					

Well volume (in gal / LF) = pr2 (cf) where: p = pi (approximately 3.14); r = radius of monitoring well (feet)
cf = conversion factor (7.48 gal/ft3);

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)	Condustivity (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				
Sample Pump Type:	Dedicated Low Flow Bladder			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	1/24/12
				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

Stablization 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