The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	OM2	Sample Date:	2/2/12	Sampling Company:	TREC	Sampled By 1:	TN
						Sampled By 2	WC
Sample Event	Q4-2012					Sampled By 3:	

Well Information:

Well Total Depth (TD)	221	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:	201	Feet to	221	Feet		Pump Intake Depth:	211	ft	Tubing Type: Dedicated Plastic

Well Fluid Measurements:

Time (military):	9:50	Weather:	Air Temp	29	(°F)	Conditions:	Overcast, very cold, wind speed 13 mph
Water level gauged using:	Electronic tape	ft					
Depth to Water (DTW) below MP:	137.1	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	2/2/12	Purge Time Begin	9:55		Low Flow Pump Controller Settings:		Charge Time	3	Exhaust Time 27
Purge Pump Type:	Dedicated Low Flow Bladder	Pumping Rate:	250	ml/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
OM2-004-120202	02/02/12	10:05	250		7.30	526	7.23	9.29	-235.8	0.9	137.90	
		10:08	250		7.49	532	2.61	9.22	-259.3	0.9	138.01	
		10:11	250		7.55	517	1.97	9.46	-238.7	0.7	138.21	
		10:14	250		7.60	516	1.84	9.47	-227.6	0.8	138.33	
		10:17	250		7.66	516	1.72	9.49	-225.2	0.7	138.46	
		10:20	250		7.75	516	1.64	9.5	-226.5	0.9	138.56	
		10:23	250		7.74	516	1.61	9.5	-227.1	1.0	138.73	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	2/2/2012	Sample Collection Time (MT):	10:30				
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	Yes	QA/QC Type	DUP	COC#1:	RC08172	Lab 1	IML
Duplicate Name	WO2-008-12020	Duplicate Sample Time	11:30	COC#2:	RC08173 DUP CoC	Lab 2	ALS
				COC#3:		Lab 3	

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

Comments:

Slow recharge so sampled with minimal draw down

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 (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