The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	UM7	Sample Date:	7/27/11	Sampling Company:	TREC	Sampled By 1:	RK
						Sampled By 2	WC
Sample Event	Q1-2011					Sampled By 3:	

Well Information:

Well Total Depth (TD)	405	ft			Well Measuring Point (MP) Location:			North Side-Marked	
Sampled From:	Monitoring Well		Well Inside Diameter:	4.5	inches	Pump Type Used:	Non-Dedicated Low Flow Bladder		
Screened Interval:	385	Feet to	405	Feet		Pump Intake Depth:	395	ft	Tubing Type: Non-dedicated Plastic

Well Fluid Measurements:

Time (military):	940		Weather:	Air Temp	72	(°F)	Conditions:	Sunny, very warm
Water level gauged using:		Electronic tape	ft					
Depth to Water (DTW) below MP:		188.67	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	7/27/11		Purge Time Begin	1001		Low Flow Pump Controller Settings:		Charge Time	8	Exhaust Time 18
Purge Pump Type:	Non-Dedicated Low Flow Bladder		Pumping Rate:	400	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	7/20/11	
Volume Purged Prior to Sampling:	2	gallons				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
UM7-001-110711	07/27/11	1007	350		20.57	782	2.64	12.08	26.7	5.7	189.92	
		1013	400		17.39	749	1.81	11.31	58.0	4.2	190.77	
		1016	400		16.71	733	1.20	11.00	68.3	1.8	191.14	
		1019	400		16.72	727	1.33	10.86	73	2.6	191.54	
		1022	400		16.73	728	1.31	10.72	76.6	3.1	192.00	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	7/27/2011	Sample Collection Time (MT):	1029				
Sample Pump Type:	Non-Dedicated Low Flow Bladder			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	7/20/11
				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:	RC08326	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:

Stabilization/drawdown not factors as per client request; high pH due to recent well completion; detected odorless gas bubbles in YSI tube collector during purge/sampling;

final static depth 196.36

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