The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	UM2	Sample Date:	7/26/11	Sampling Company:	TREC	Sampled By 1:	RD
						Sampled By 2	RK
Sample Event	Q1-2011					Sampled By 3:	WC

Well Information:

Well Total Depth (TD)	443	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:	423	Feet to	443	Feet		Pump Intake Depth:	433	ft	Tubing Type: Non-Dedicated Plastic

Well Fluid Measurements:

Time (military):	640	Weather:	Air Temp	63	(°F)	Conditions:	Cloudy, slight breeze	

Water level gauged using:	Electronic tape	ft
Depth to Water (DTW) below MP:	318.13	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	7/26/11	Purge Time Begin	807		Low Flow Pump Controller Settings:	Charge Time	12	Exhaust Time	25
Purge Pump Type:	Non-Dedicated Low Flow Bladder	Pumping Rate:	300	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	7/20/11	
Volume Purged Prior to Sampling:	3	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
UM2-001-110726	07/26/11	829	300		15.48	895	1.10	11.16	50.6	8.6	320.19	
		832	300		15.26	957	0.84	11.22	52.4	6.3	320.37	
		835	300		15.27	951	0.72	11.02	59.4	5.7	320.68	
		838	300		15.19	965	0.67	10.91	61	5.5	320.75	
		841	300		14.85	971	0.62	10.82	62.8	5.6	321.05	
		844	300		14.9	966	0.59	10.78	63.8	4.8	321.15	
		847	300		15.54	968	0.55	10.81	63.3	5.7	321.48	
		850	300		15.83	970	0.51	10.88	61.7	4.8	321.60	
		853	300		15.53	974	0.51	10.88	61.7	4.5	321.87	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	7/26/2011	Sample Collection Time (MT):	855				
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:	RC08320	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:

Well just logged and airlifted (7-11); Drawdown/stabilization not factors as per client request; high pH due to recent well completion

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