The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	OM5	Sample Date:	6/7/11	Sampling Company:	TREC	Sampled By 1:	TN
						Sampled By 2	RK
Sample Event	Q3-2011					Sampled By 3:	None

Well Information:

Well Total Depth (TD)	84	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:	69	Feet to	84	Feet	Pump Intake Depth:	76	ft	Tubing Type:	Dedicated Plastic

Well Fluid Measurements:

Time (military):	930		Weather:	Air Temp	63	(°F)	Conditions:	Very windy, sunny	
Water level gauged using:		Electronic tape	ft						
Depth to Water (DTW) below MP:		37.6	ft						
Water Column Height (TD-DTW):		46.4	ft						
Water volume = pr^2h (cf)		38.33	gallons						
3 Well Volumes:	115.00	gallons							

psi 50

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	6/7/11		Purge Time Begin	940		Low Flow Pump Controller Settings:		Charge Time	2	Exhaust Time	20
Purge Pump Type:	Dedicated Low Flow Bladder		Pumping Rate:	200	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:		6/6/611	
Volume Purged Prior to Sampling:	1.5	gallons				Meter Type(2):	Hach Turbidity	Meter Calibration Date:		6/6/11	
						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
OM5-003-110607	06/07/11	945	200		12.31	1767	4.09	9.32	-162.7	2.30	37.95	
		948	200		12.52	1767	4.05	9.54	-162.8	2.00	37.95	
		951	200		12.36	1767	3.76	9.74	-159.0	2.60	37.96	
		954	200		12.41	1768	3.37	9.85	-157.1	1.8	37.97	
		957	200		12.34	1769	3.2	9.95	-155	1.8	37.98	
		1000	200		12.36	1768	3.06	9.98	-154.2	1.3	37.98	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	6/7/2011	Sample Collection Time (MT):	1000				
Sample Pump Type:	Dedicated Low Flow Bladder			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	6/6/11
				Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	6/611
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type	None	COC#1:	RC08285	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:

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	4	Min	-20	Min	-400
Max	2000	Max	1000	Max	20	Max	80	Max	600