The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	OM5	Sample Date:	3/30/11	Sampling Company:	TREC	Sampled By 1:	TN
						Sampled By 2	JS2
Sample Event	Q2-2011					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:	Non-Dedicated Low Flow Bladder		
Screened Interval:	69	Feet to	84	Feet		Pump Intake Depth:	76	ft	Tubing Type: Non-dedicated Plastic

Well Fluid Measurements:

Time (military):	945		Weather:	Air Temp	40	(°F)	Conditions:	Sunny, Slight Breeze
Water level gauged using:	Electronic tape	ft						
Depth to Water (DTW) below MP:	38.2	ft						
Water Column Height (TD-DTW):	45.8	ft						
Water volume = pr^2h (cf)	37.84	gallons						
3 Well Volumes:	113.51	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	3/30/11		Purge Time Begin	1005		Low Flow Pump Controller Settings:		Charge Time	3	Exhaust Time 28
Purge Pump Type:	Non-Dedicated Low Flow Bladder		Pumping Rate:	200	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:		3/21/11
Volume Purged Prior to Sampling:	1.5	gallons				Meter Type(2):	Hach Turbidity	Meter Calibration Date:		3/21/11
						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
OM5-002-110330	03/30/11	1005	200		7.79	1215	9.80	6.28	152.6	2.00	38.70	
		1008	200		7.29	1227	1.21	7.01	22.8	1.70	38.68	
		1011	200		7.54	1236	0.71	7.34	-40.7	2.30	38.60	
		1014	200		7.79	1244	0.59	7.45	-60.4	2.5	38.60	
		1017	200		7.9	1249	0.53	7.54	-72.6	2.7	38.58	
		1020	200		8.16	1258	0.49	7.57	-78.8	3.2	38.57	
		1023	200		8.23	1262	0.47	7.56	-82.6	3.5	38.57	
		1026	200		8.48	1271	0.45	7.6	-85.4	3.1	38.57	
		1029	200		8.66	1279	0.42	7.63	-93.8	3	38.57	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	3/30/2011	Sample Collection Time (MT):	1030				
Sample Pump Type:	Non-Dedicated Low Flow Bladder			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	3/21/11
				Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	3/21/11
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type	None	COC#1:	RC08010	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