The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	UM5	Sample Date:	3/23/11	Sampling Company:	TREC	Sampled By 1:	RK
						Sampled By 2	JS2
Sample Event	Q2-2011					Sampled By 3:	None

Well Information:

Well Total Depth (TD)	445	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:	424	Feet to	444	Feet		Pump Intake Depth:	434	ft	Tubing Type: Dedicated Plastic

Well Fluid Measurements:

Time (military):	1255		Weather:	Air Temp	34	(°F)	Conditions:	Windy	
Water level gauged using:		Electronic tape	ft						
Depth to Water (DTW) below MP:		165.91	ft						
Water Column Height (TD-DTW):		279.09	ft						
Water volume = pr^2h (cf)		230.57	gallons						
3 Well Volumes:	691.70	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	3/23/11		Purge Time Begin	1300		Low Flow Pump Controller Settings:		Charge Time	3	Exhaust Time	27
Purge Pump Type:	Dedicated Low Flow Bladder		Pumping Rate:	100	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
UM5-002-110323	03/23/11	1304	200		8.02	286	7.66	7.26	61.4	6.1	166.92	
		1307	300		8.37	293	1.07	8.34	-5.5	4.7	167.12	
		1310	150		8.44	293	0.04	8.47	-25.8	4.1	167.21	
		1313	150		8.38	292	1.1	8.52	-43.5	3.5	167.32	
		1316	150		8.37	291	0.85	8.55	-60.1	3.9	167.44	
		1319	150		8.32	290	0.57	8.56	-76.8	3.7	167.56	
		1322	100		8.42	291	0.46	8.57	-91.8	3.7	167.63	
		1325	100		8.31	291	0.48	8.59	-97.1	4.1	167.66	
		1328	100		7.92	289	0.47	8.58	-104.2	4.2	167.71	
		1331	100		7.42	284	0.51	8.59	-107.3	4	167.75	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	3/23/2011	Sample Collection Time (MT):	1331				
Sample Pump Type:	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:	RC08016	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