The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM14	Sample Date:	3/29/11	Sampling Company:	TREC	Sampled By 1:	TN
						Sampled By 2	JS2
Sample Event	Q1-2011					Sampled By 3:	None

Well Information:

Well Total Depth (TD)	347	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:	327	Feet to	347	Feet		Pump Intake Depth:	337	ft	Tubing Type: Non-dedicated Plastic

Well Fluid Measurements:

Time (military):	915		Weather:	Air Temp	35	(°F)	Conditions:	Sunny, Breezy
Water level gauged using:		Electronic tape	ft					
Depth to Water (DTW) below MP:		198.5	ft					
Water Column Height (TD-DTW):		148.5	ft					
Water volume = pr^2h (cf)		122.68	gallons					
3 Well Volumes:	368.05	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	3/29/11		Purge Time Begin	950		Low Flow Pump Controller Settings:		Charge Time	6	Exhaust Time 28
Purge Pump Type:	Non-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
PZM14-001-110329	03/29/11	1010	200		7.60	806	10.40	6.63	184.0	18.5	198.58	
		1013	200		7.46	810	2.65	7.39	31.0	14.3	198.72	
		1016	100		7.47	812	1.87	7.78	-64.1	26.3	198.79	
		1019	100		7.44	812	1.81	7.9	-74.4	38.3	198.81	
		1022	100		7.13	805	1.69	7.96	-79	30	198.87	
		1025	100		6.56	788	1.6	8.02	-97.9	15.7	198.93	
		1028	100		6.47	780	1.57	8.05	-107.1	13.4	198.95	
		1031	100		6.6	779	1.53	8.06	-113.5	12.6	198.97	
		1034	100		6.59	780	1.5	8.07	-120	13.5	199.00	
		1037	100		6.24	774	1.52	8.1	-123.3	14.4	199.01	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	3/29/2011	Sample Collection Time (MT):	1045				
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:	RC08263	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