The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM16	Sample Date:	11/2/11	Sampling Company:	TREC	Sampled By 1:	TN
						Sampled By 2	KD
Sample Event	Q4-2011					Sampled By 3:	None

Well Information:

Well Total Depth (TD)	315	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:	295	Feet to	315	Feet		Pump Intake Depth:	305	ft	Tubing Type: Dedicated Plastic

Well Fluid Measurements:

Time (military):	1300	Weather:	Air Temp	30	(°F)	Conditions:	Sunny, breezy
Water level gauged using:	Electronic tape	ft					
Depth to Water (DTW) below MP:	137.65	ft					
Water Column Height (TD-DTW):	177.35	ft					
Water volume = pr^2h (cf)	146.52	gallons					
3 Well Volumes:	439.55	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	11/2/11	Purge Time Begin	1315		Low Flow Pump Controller Settings:		Charge Time	5	Exhaust Time 25
Purge Pump Type:	Dedicated Low Flow Bladder	Pumping Rate:	700	ml/min		Meter Type(1):	YSI Multi	Meter Calibration Date:	10/14/11
Volume Purged Prior to Sampling:	1.5	gallons				Meter Type(2):	Hach Turbidity	Meter Calibration Date:	11/2/11
						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
PZM16-004-111102	11/02/11	1318	700		9.87	1383	0.48	7.77	-195.2	5.1	137.89	
		1321	700		10.01	1383	0.16	7.82	-207.4	5.7	137.90	
		1324	700		10.06	1382	0.14	7.84	-209.0	6.3	137.91	
		1327	700		10.06	1384	0.11	7.74	-202.1	6.4	137.92	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	11/2/2011	Sample Collection Time (MT):	1330				
Sample Pump Type:	Non-Dedicated Low Flow Bladder			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	10/14/11
				Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	11/2/11
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type		COC#1:	RC08400	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:

Sulfur odor

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