The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	SM6	Sample Date:	2/7/11	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)	80	ft			Well Measuring Point (MP) Location:			North Side-Marked	
Sampled From:	Monitoring Well		Well Inside Diameter:	4.5	inches	Pump Type Used:	Bailer		
Screened Interval:	60	Feet to	80	Feet		Pump Intake Depth:	75	ft	Tubing Type: Non-dedicated Plastic

Well Fluid Measurements:

Time (military):	1035		Weather:	Air Temp	15	(°F)	Conditions:	Windy, very cold
Water level gauged using:		Electronic tape	ft					
Depth to Water (DTW) below MP:		73.03	ft					
Water Column Height (TD-DTW):		6.97	ft					
Water volume = pr^2h (cf)		5.76	gallons					
3 Well Volumes:	17.27	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	2/2/11		Purge Time Begin	10:00		Low Flow Pump Controller Settings:		Charge Time	Exhaust Time
Purge Pump Type:	Bailer		Pumping Rate:			Meter Type(1):	YSI Multi	Meter Calibration Date:	1/26/11
Volume Purged Prior to Sampling:	6.21	gallons				Meter Type(2):	Hach Turbidity	Meter Calibration Date:	2/2/11
						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
SM6-001-110207	02/02/11	1045			9.05	1294	3.61	8.42	183.7	304.0	73.03	
		1055			8.70	1304	2.46	8.51	158.5	362.0	74.51	
		1115			7.43	1249	2.07	8.44	151.7	840.0	75.06	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	2/7/2011	Sample Collection Time (MT):	1045				
Sample Pump Type:	Bailer			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	1/26/11
				Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	2/2/11
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type	None	COC#1:	RC08005	Lab 1	IML
Duplicate Name		Duplicate Sample Time		COC#2:		Lab 2	
				COC#3:		Lab 3	
Analysis:	Table 1- 4.14, Guide 8, & Radon 222						

Comments:

Hand bailed and sampled due to slow recharge rate

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