The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM7	Sample Date:	1/31/12	Sampling Company:	TREC	Sampled By 1:	TN
						Sampled By 2	WC
Sample Event	Q4-2012					Sampled By 3:	

Well Information:

Well Total Depth (TD)	318	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:	298	Feet to	318	Feet	Pump Intake Depth:	308	ft	Tubing Type:	Dedicated Plastic

Well Fluid Measurements:

Time (military):	1300		Weather:	Air Temp	38	(°F)	Conditions:	Overcast, wind speed 9mph			
Water level gauged using:		Electronic tape	ft								
Depth to Water (DTW) below MP:		184.9	ft								
Water Column Height (TD-DTW):		0	ft								
Water volume = pr^{2}h (cf)		0.00	gallons								
3 Well Volumes:	0.00	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	1/31/12		Purge Time Begin	1315		Low Flow Pump Controller Settings:		Charge Time	4	Exhaust Time	26
Purge Pump Type:	Dedicated Low Flow Bladder		Pumping Rate:	300	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:		1/24/12	
Volume Purged Prior to Sampling:	2.5	gallons				Meter Type(2):	Hach Turbidity	Meter Calibration Date:		1/24/12	
						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
PZM7-004-120131	01/31/12	1320	300		10.03	2857	5.20	12.18	7.5	10.9	185.45	
		1323	300		9.87	2857	2.72	12.18	12.1	7.5	185.46	
		1326	300		10.04	2906	2.27	12.18	13.0	5.5	185.54	
		1329	300		10.01	2920	2.14	12.19	13.6	5.2	185.56	
		1332	300		10.04	2920	1.97	12.19	13.9	4.7	185.58	
		1335	300		10.00	2925	1.93	12.19	14.2	4.5	185.59	
		1338	300		10.02	2924	1.82	12.19	14.8	4.5	185.61	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	1/31/2012	Sample Collection Time (MT):	1345						
Sample Pump Type:	Dedicated Low Flow Bladder			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	1/24/12		
				Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	1/24/12		
				Meter Type(3):		Meter 3 Calibration Date:			

Analysis:

QA/QC Sample		QA/QC Type		COC#1:	RC08181	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:

High pH suspect

Final water level 185.67

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 (mS/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