The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM6	Sample Date:	11/3/10	Sampling Company:	TREC	Sampled By 1:	TN
						Sampled By 2	JS2
Sample Event	Q1-2010					Sampled By 3:	RD

Well Information:

Well Total Depth (TD)	359	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:	335	Feet to	355	Feet		Pump Intake Depth:	345	ft	Tubing Type: Non-dedicated Plastic

Well Fluid Measurements:

Time (military):	1032		Weather:	Air Temp	40	(°F)	Conditions:	Sunny, Breezy
Water level gauged using:		Electronic tape	ft					
Depth to Water (DTW) below MP:		196.42	ft					
Water Column Height (TD-DTW):		162.58	ft					
Water volume = pr^2h (cf)		134.31	gallons					
3 Well Volumes:	402.94	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	11/3/10		Purge Time Begin	1033		Low Flow Pump Controller Settings:		Charge Time	12	Exhaust Time 21
Purge Pump Type:	Non-Dedicated Low Flow Bladder		Pumping Rate:	225	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	10/19/10	
Volume Purged Prior to Sampling:	4	gallons				Meter Type(2):	Hach Turbidity	Meter Calibration Date:	11/3/10	
						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 (mS/cm)	DO (mg/L)	pH (su)	ORP (mV)	Turbidity (NTU)	Water Level (ft)	Comments
PZM6	11/03/10	1042	225		10.70	1.34	7.30	7.52	-94.3	2.75	197.42	
		1045	175		10.49	1.33	3.50	7.59	-118.5	1.74	197.48	
		1048	200		10.45	1.32	2.80	7.60	-121.4	3.18	197.60	
		1051	225		10.46	1.31	2.8	7.62	-127.1	2.51	197.68	
		1054	200		10.48	1.29	2.3	7.62	-130.8	4.9	197.80	
		1057	200		10.74	1.29	3.2	7.61	-131.4	3.11	197.91	
		1100	200		10.8	1.27	3.2	7.63	-135.6	3.02	197.98	
		1103	200		10.83	1.26	2.3	7.65	-140.5	4.47	198.04	
		1106	175		10.81	1.25	1.6	7.67	-143.3	4.33	198.12	
		1109	175		10.97	1.24	1.4	7.63	-144.4	4.87	198.03	
		1112	175		10.83	1.24	1.5	7.63	-144.6	4.36	198.03	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	11/3/2010	Sample Collection Time (MT):	1115				
Sample Pump Type:	Non-Dedicated Low Flow Bladder			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	10/19/10
				Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	11/3/10
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type	None	COC#1:	005	Lab 1	IML
Duplicate Name		Duplicate Sample Time		COC#2:	136288	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 (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