The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	PZM10	Sample Date:	3/1/11	Sampling Company:	TREC	Sampled By 1:	TN
						Sampled By 2	RK
Sample Event	Q2-2011					Sampled By 3:	None

Well Information:

Well Total Depth (TD)	320	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:	300	Feet to	320	Feet		Pump Intake Depth:	310	ft	Tubing Type: Dedicated Plastic

Well Fluid Measurements:

Time (military):	1105	Weather:	Air Temp	43	(°F)	Conditions:	Slight Breeze, Sunny
Water level gauged using:	Electronic tape	ft					
Depth to Water (DTW) below MP:	289	ft					
Water Column Height (TD-DTW):	31	ft					
Water volume = pr^2h (cf)	25.61	gallons					
3 Well Volumes:	76.83	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	3/1/11	Purge Time Begin	1130		Low Flow Pump Controller Settings:		Charge Time	9	Exhaust Time 23
Purge Pump Type:	Dedicated Low Flow Bladder	Pumping Rate:	300	ml/min		Meter Type(1):	YSI Multi	Meter Calibration Date:	1/26/11
Volume Purged Prior to Sampling:	5.5	gallons				Meter Type(2):	Hach Turbidity	Meter Calibration Date:	2/23/11
						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
PZM10-002-110301	03/01/11	1136	300		9.70	1309	7.79	8.59	-10.5	1.86	289.15	
		1139	300		9.77	1315	6.72	8.72	-56.0	1.23	289.17	
		1142	300		9.86	1317	7.15	8.68	-81.4	1.49	289.16	
		1145	300		9.77	1313	6.31	8.73	-93	1.08	289.17	
		1148	300		9.75	1311	5.99	8.73	-103.3	1.07	289.17	
		1151	300		9.72	1312	6.16	8.74	-112.7	1.05	289.15	
		1154	300		9.74	1312	6.31	8.74	-109.8	1.28	289.15	
		1157	300		9.88	1313	7.42	8.75	-125	0.81	289.18	
		1200	300		9.82	1312	7.37	8.77	-110.2	0.83	289.17	
		1203	300		9.77	1314	7.41	8.76	-127.5	0.76	289.17	
		1206	300		9.9	1318	5.7	8.78	-132.3	0.69	289.18	
		1209	300		9.91	1317	5.72	8.77	-137.6	0.62	289.17	
		1212	300		10.04	1316	6.13	8.77	-140.7	0.81	289.18	
		1215	300		10.12	1317	6.36	8.77	-123.7	0.52	289.16	
		1218	300		12.27	1330	6.06	8.78	-130.4	0.41	289.18	
		1221	300		10.19	1327	5.25	8.78	-132.2	0.48	289.17	
		1224	300		10.15	1324	5.83	8.79	-119.5	0.37	289.17	
		1227	300		10.06	1324	6.03	8.79	-135.5	0.43	289.17	
		1230	300		10.06	1321	5.28	8.8	-118.6	0.46	289.17	
		1233	300		10.02	1321	6.56	8.8	-106.3	0.33	289.15	
		1236	300		10	1319	6.25	8.79	-112	0.39	289.16	
		1239	300		9.95	1316	6.34	8.8	-123.5	0.32	289.16	
		1242	300		9.93	1317	6.38	8.8	-123.6	0.38	289.15	
		1245	200		9.93	1318	6.45	8.8	-123.4	0.31	289.16	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	3/1/2011	Sample Collection Time (MT):	1245				
Sample Pump Type:	Dedicated Low Flow Bladder			Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	1/26/11
				Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	2/23/11
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type	None	COC#1:	RC08255	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	0.01	Min	-20	Min	-400
Max	2000	Max	1000	Max	2000	Max	80	Max	700