

The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	OM6	Sample Date:	6/2/11	Sampling Company:	TREC	Sampled By 1:	TN
Sample Event	Q2-2011					Sampled By 2:	RK
						Sampled By 3:	RD

Well Information:

Well Total Depth (TD)		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:	222	Feet to	242	Feet	Pump Intake Depth:	232	ft	Deep tube	931	Tubing Type:	Dedicated Plastic

Well Fluid Measurements:

Time (military):	1300	Weather:	Air Temp	72	(°F)	Conditions:	Very windy, sunny
Water level gauged using:	Electronic tape	ft					
Depth to Water (DTW) below MP:	119.82	ft					
Water Column Height (TD-DTW):	-119.82	ft					
Water volume = $\pi r^2 h$ (cf)	-98.99	gallons					
3 Well Volumes:	-296.96	gallons					

Well volume (in gal / LF) = πr^2 (cf) where: π = pi (approximately 3.14); r = radius of monitoring well (feet) cf = conversion factor (7.48 gal/ft ³);					
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	6/2/11	Purge Time Begin	1310	Low Flow Pump Controller Settings:	Charge Time	3	Exhaust Time	15
Purge Pump Type:	Dedicated Low Flow Bladder	Pumping Rate:	275	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	5/4/11
Volume Purged Prior to Sampling:	5	gallons			Meter Type(2):	Hach Turbidity	Meter Calibration Date:	5/4/11
					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
OM6-002-110602	06/02/11	1338	275		14.90	1191	3.15	8.72	-184.1	3.7	122.61	
		1341	275		13.56	1209	0.28	9.82	-180.2	3.9	122.70	
		1344	275		13.50	1207	0.13	10.25	-182.1	3.5	122.72	
		1347	275		13.45	1206	0.11	10.31	-172.8	3.6	122.75	
		1350	275		13.58	1203	0.10	10.33	-166.7	3.5	122.84	
		1353	275		13.53	1202	0.07	10.33	-160.3	3.3	122.89	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	6/2/2011	Sample Collection Time (MT):	1350	Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	5/4/11
Sample Pump Type:	Dedicated Low Flow Bladder			Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	5/4/11
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type		COC#1:	RC08276	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: pH suspect; methane odor

Stabilization 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 4	Min -20	Min -400
Max 2000	Max 1000	Max 20	Max 80	Max 600