

The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	SM5	Sample Date:	3/23/11	Sampling Company:	TREC	Sampled By 1:	RK
Sample Event	Q2-2011					Sampled By 2:	JS2
						Sampled By 3:	None

Well Information:

Well Total Depth (TD)	50	ft	Well Measuring Point (MP) Location:	North Side-Marked
Sampled From:	Monitoring Well	Well Inside Diameter:	4.5	inches
Screened Interval:	30	Feet to	50	Feet
		Pump Type Used:	Dedicated Low Flow Bladder	
		Pump Intake Depth:	40	ft
		Tubing Type:	Dedicated Plastic	

Well Fluid Measurements:

Time (military):	955	Weather:	Air Temp	37	(°F)	Conditions:	Overcast, Cold, Breezy
Water level gauged using:	Electronic tape						
Depth to Water (DTW) below MP:	35.4	ft					
Water Column Height (TD-DTW):	14.6	ft					
Water volume = $\pi r^2 h$ (cf)	12.06	gallons					
3 Well Volumes:	36.18	gallons					

Well volume (in gal / LF) = $\pi r^2 (cf)$ 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	3/23/11	Purge Time Begin	1000	Low Flow Pump Controller Settings:	Charge Time	2	Exhaust Time	25
Purge Pump Type:	Dedicated Low Flow Bladder	Pumping Rate:	100	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	3/21/11
Volume Purged Prior to Sampling:	1	gallons			Meter Type(2):	Hach Turbidity	Meter Calibration Date:	3/21/11
					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	
SM5-002-110323	03/23/11	1003	200		9.95	2276	10.78	6.63	58.6	1.6	35.75		
		1006	100		7.47	2264	0.97	6.88	-21.5	1.9	35.78		
		1009	100		6.49	2202	0.73	6.87	-25.1	1.4	35.84		
		1012	100		6.24	2184	0.69	6.9	-25.9	1.3	35.89		
		1015	100		6.19	2176	0.66	6.9	-26.2	1.2	35.91		
		1018	100		6.08	2165	0.59	6.91	-25.5	1.7	35.97		
Repeat Last Stabilization Meas.													

Sampling:

Sample Date	3/23/2011	Sample Collection Time (MT):	1020	Meter Type(1):	YSI Multi	Meter 1 Calibration Date:	3/21/11
Sample Pump Type:	Dedicated Low Flow Bladder			Meter Type(2):	Hach Turbidity	Meter 2 Calibration Date:	3/21/11
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	Yes	QA/QC Type	None	COC#1:	RC080161	Lab 1	IML
Duplicate Name	MWS05-002-110323	Duplicate Sample Time	11:30	COC#2:		Lab 2	
				COC#3:		Lab 3	

Analysis: Table 1- 4.14, Guide 8, & Radon 222

Comments: Field Blank taken-BK1-002-110323

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 2500	Max 1000	Max 20	Max 80	Max 600