The Reno Creek Project - Monitor Well Sampling Report

AUC LLC

Location ID	OM5	Sample Date:	11/1/10	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)	84	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:	69	Feet to	84	Feet		Pump Intake Depth:	76	ft	Tubing Type: Non-dedicated Plastic

Well Fluid Measurements:

Time (military):	1320		Weather:	Air Temp	55	(°F)	Conditions:	Sunny, No wind
Water level gauged using:		Electronic tape	ft					
Depth to Water (DTW) below MP:		37.63	ft					
Water Column Height (TD-DTW):		46.37	ft					
Water volume = pr^2h (cf)		38.31	gallons					
3 Well Volumes:	114.92	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	11/1/10		Purge Time Begin	1404		Low Flow Pump Controller Settings:		Charge Time	5	Exhaust Time 27
Purge Pump Type:	Non-Dedicated Low Flow Bladder		Pumping Rate:	350	ml/min	Meter Type(1):	YSI Multi	Meter Calibration Date:	10/19/10	
Volume Purged Prior to Sampling:	6.25	gallons				Meter Type(2):	Hach Turbidity	Meter Calibration Date:	11/1/10	
						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
OM5	11/01/10	1418	300		12.40	1.771	0.07	7.61	26.5	1.87	38.78	
		1421	300		12.36	1.771	0.07	7.63	35.8	1.58	38.73	
		1424	325		12.43	1.776	0.09	7.63	38.6	2.39	38.73	
		1427	325		12.5	1.777	0.07	7.62	40.4	1.81	38.73	
		1430	350		12.46	1.777	0.09	7.62	41.2	1.28	38.68	
		1433	350		12.47	1.779	0.1	7.62	43	1.21	38.70	
		1426	350		12.48	1.779	0.12	7.64	43.5	1.32	38.70	
		1439	350		12.49	1.777	0.12	7.62	43.2	1.31	38.73	
Repeat Last Stabilization Meas.												

Sampling:

Sample Date	11/1/2010	Sample Collection Time (MT):	1440				
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:	11/1/10
				Meter Type(3):		Meter 3 Calibration Date:	

Analysis:

QA/QC Sample	No	QA/QC Type	None	COC#1:	003	Lab 1	IML
Duplicate Name		Duplicate Sample Time		COC#2:	136290	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