Low Flow Groundwater Sampling Field Form



Project Name:		Buck Steam Station	Purge Da	te:	September 28, 2016	
Project Location:		Salisbury,NC	Purge Tin	ne:	10 Minutes	
Project Number:		7126-16-032A	Sample Da	te:	September 28, 2016	
Source Well:		AB-4SL	Sample Tin	ne:		
Locked?:		Yes	Weath	er:	partly cloudy	
Sampled By:	Jam	nie T. Honeycutt/Lindsey	Air Tem	ıp:	75 ° F	
Flow Through Cell Serial No.:	16B100463	Pump Serial No.:	Calibration Da	te:	September 28, 2016	

Water Level & Well Data

		Measu	Top of Casing					
	Depth to Water:							
	Total Well Depth:							
	Height of Water Column:							
Screen Length:	10	feet	Stickup:	2.75	ft-GRD			

Well Volume							
Well Diameter	2	inch					
Water Volume	7.2	Gal					
3 * Well Volume	21.65	Gal					
5 * Well Volume	36.09	Gal					

Well Purging Information

	Purge Method:	Submer	sible Pump	Start Time:	14:15	End Time:	14:25	
(If Used)	Bladder Pump Control Settings:	On (sec):		Off (sec):		Pressure:		psi
Pum		45	ft-TOC					
	3	8.48	feet	Flow Throu	ıgh Cell Vol:	250	mL	
DTW-TOC at 2	DTW-TOC at 25% Drawdown of WC Above Pump:			ft-TOC	Comments:			
		0.8	Gallons	Used YSI Pro Plus. During purging, drillers			S	
		300	mL/min	came back to nearby well to complete drilling.			illing.	
	Well Purged Dry?:		no	(Yes/No)	We had to abandon purging.			

Field Parameters (Taken at time intervals with purge volumes ≥ 2 Flow Through Cell Volumes)

		Volume		Depth to	_			Dissolved			
		Purged	Flow Rate	Water	Temp	pΗ	Spec. Cond.	Oxygen	ORP*	Turbidity	
	Time	(gal)	(mL/min)	(ft)	(°C)	(s.u.)	(µS/cm)	(mg/L)	(mV)	(NTU)	Comment
	14:15	0.0									Start Purging
	14:20	0.4	300	7.18	19.9	8.8	521	1.7	-143	232	
	14:25	0.8	300	7.27	19.6	8.8	514	1.8	-141	220	Abandon Purging
-											
F											
-											
-											
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Final:	14:25	0.8	300	7.27	19.6	8.8	514	1.8	-141	220	End of Purging
' <u>-</u>	Sar	nple Method:	Submers	ible Pump	•	Samp	ole Start Time:		Samp	ole End Time:	

Analytical Data

Method	Qty	Container	Preservative	Method	Qty	Container	Preservative
TSS	1	PET	Ice	TOC	3	Glass	Phosphoric Acid
TDS	1	PET	Ice	Nitrate-Nitrite	1	PET	H2SO4
Methane RSK-175	3	Glass	HCI	Radium 226 & 228	3	PET	HNO3
Cl, SO4	1	PET	Ice	Metals- Total	1	HDPE	HNO3
Alkalinity, Bicarbonate, Carbonate	1	PET	lce	Metals - Dissolved	1	HDPE	HNO3
Sulfate	1	PET	Zinc Acetate/ NaOH	Hex Chromium 218.7	1	PET	(NH4)2 SO4 & NH4OH

	Name	Signature	Date
(1)	Jamie T Honeycutt		9/28/2016
(2)	Lindsey Romine		9/28/2016
Notes:	To convert ORP to Eh, add 205 mv to ORP.		