

Low Flow Groundwater Sampling Field Form



Project Name:	Buck Steam Station	Purge Date:	September 28, 2016
Project Location:	Salisbury, NC	Purge Time:	Minutes
Project Number:	7126-16-032A	Sample Date:	September 28, 2016
Source Well:	GWA-14BRU	Sample Time:	
Locked?:	Yes	Weather:	Sunny
Sampled By:	Darren Cox	Air Temp:	75 ° F
Flow Through Cell Serial No.:	13K100920	Pump Serial No.:	27244
		Calibration Date:	September 28, 2016

Water Level & Well Data

Measuring Point:		Top of Casing	
Depth to Water:	96.85	ft-TOC	
Total Well Depth:	101.80	ft-TOC	
Height of Water Column:	4.95	feet	
Screen Length:	5	feet	Stickup: 2.8 ft-GRD

Well Volume		
Well Diameter	2	inch
Water Volume	0.8	Gal
3 * Well Volume	2.42	Gal
5 * Well Volume	4.04	Gal

Well Purging Information

Purge Method:	Submersible Pump	Start Time:	9:15	End Time:	
(If Used) Bladder Pump Control Settings:	On (sec):	Off (sec):		Pressure:	psi
Pump Intake Depth from Top of Casing:	100	ft-TOC			
Water Column Above Pump Intake:	3.15	feet		Flow Through Cell Vol:	500 mL
DTW-TOC at 25% Drawdown of WC Above Pump:	97.64	ft-TOC		Comments:	Used YSI Pro Plus
Final Volume Purged:		Gallons			
Final Volume Purge Rate:		mL/min			
Well Purged Dry?:	No	(Yes/No)			

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

Time	Volume Purged (gal)	Flow Rate (mL/min)	Depth to Water (ft)	Temp (°C)	pH (s.u.)	Spec. Cond. (µS/cm)	Dissolved Oxygen (mg/L)	ORP* (mV)	Turbidity (NTU)	Comment
09:15	0.0									Start Purging
										insufficient water
										purged cell/tubing

Final: End of Purging

Sample Method: Submersible Pump Sample Start Time: Sample 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	HCl	Radium 226 & 228	3	PET	HNO3
Cl, SO4	1	PET	Ice	Metals- Total	1	HDPE	HNO3
Alkalinity, Bicarbonate, Carbonate	1	PET	Ice	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) Darren Cox	_____	9/28/2016
(2) Bryan Wence	_____	9/28/2016

Notes: To convert ORP to Eh, add 205 mv to ORP.