

Lab-Sample Number: N00015639004
 Project Name: 16UDWI
 Sample Description: East Fork Stone River Spring

Field Determinations

pH:
 Chlorine, residual:
 Conductivity:
 Temperature:
 Dissolved Oxygen:
 Other:
 Flow: CFS

Sampler Project Name: UDWI

Project Site No.:

Station No.: 16UDWI#18

Date/Time Collected: 06/27/2016 09:18

Sampler's Name: J. Manners

County: CANNON - 08

Sample Matrix: Water

EFO: Nashville

Sampling Agency: TDOH

Billing Code: HL00017233

Agency Invoiced: TDOH

Send Report To: TDOH

Priority Date:

Date/Time Received: 06/27/2016 14:28

Received By: K Parks

TEST: Calcium Hardness By Calculation		METHOD: SM 2340B				
PERFORMING LAB: Nashville						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium Hardness By Calculation	130	mg/L	0.09	0.25	M Pattanayek	6/30/2016

TEST: Digestion Metals		METHOD: EPA 200.2				
PERFORMING LAB: Nashville						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	06/29/2016				M Pattanayek	6/29/2016

TEST: ICP		METHOD: EPA 200.7				
PERFORMING LAB: Nashville						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium	50	mg/L	0.038	0.1	M Pattanayek	6/30/2016
Iron	52	µg/L	6.2	10	M Pattanayek	6/30/2016
Magnesium	9.9	mg/L	0.019	0.1	M Pattanayek	6/30/2016
Potassium	0.90	mg/L	0.025	0.1	M Pattanayek	6/30/2016
Sodium	1.5	mg/L	0.032	0.1	M Pattanayek	6/30/2016

TEST: ICP-MS		METHOD: EPA 200.8				
PERFORMING LAB: Nashville						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	46	µg/L	6.4	10	S Miller	7/1/2016
Antimony	U	µg/L	0.25	1	S Miller	7/1/2016
Arsenic	U	µg/L	0.54	5	S Miller	7/1/2016
Barium	13	µg/L	0.27	5	S Miller	7/1/2016
Beryllium	U	µg/L	0.23	1	S Miller	7/1/2016
Boron	7.5J	µg/L	3.9	10	S Miller	7/1/2016
Cadmium	U	µg/L	0.26	1	S Miller	7/1/2016
Chromium	U	µg/L	0.90	5	S Miller	7/1/2016
Cobalt	U	µg/L	0.30	1	S Miller	7/1/2016
Copper	U	µg/L	0.40	1	S Miller	7/1/2016
Lead	U	µg/L	0.28	1	S Miller	7/1/2016
Lithium	1.3	µg/L	0.24	1	S Miller	7/1/2016

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TEST: ICP-MS		METHOD: EPA 200.8					
PERFORMING LAB: Nashville							
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Manganese	0.90J	µg/L	0.35	1	S Miller	7/1/2016	
Nickel	2.6	µg/L	0.39	1	S Miller	7/1/2016	
Selenium	U	µg/L	1.2	5	S Miller	7/1/2016	
Silver	U	µg/L	0.081	0.25	S Miller	7/1/2016	
Strontium	74	µg/L	0.27	1	S Miller	7/1/2016	
Thallium	U	µg/L	0.29	1	S Miller	7/1/2016	
Vanadium	U	µg/L	2.2	5	S Miller	7/1/2016	
Zinc	2.1J	µg/L	1.1	5	S Miller	7/1/2016	

TEST: Mercury		METHOD: EPA 245.1					
PERFORMING LAB: Nashville							
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Mercury	U	µg/L	0.046	0.2	M Pattanayek	7/7/2016	

TEST: Total Hardness By Calculation		METHOD: SM 2340B					
PERFORMING LAB: Nashville							
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Total Hardness By Calculation	170	mg/L	0.17	0.66	M Pattanayek	6/30/2016	