



**DIVISION OF LABORATORY SERVICES**

Nashville Central Laboratory  
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630 Hart Lane  
Nashville, TN 37216  
615-262-6300

**Sent To:** Emailed to craig.edwards@tn.gov

**Lab ID:** N2107250  
Nashville Central Laboratory

**Sampling Agency:** TDOH



\*TDOH.N2107250.M\*

This is to certify that the following results were determined using good laboratory practices and in accordance with federal or state approved methodologies.

A handwritten signature in black ink, appearing to read 'Anthony Wilson'.

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Anthony Wilson  
Analytical Supervisor

Processing Date:  
8/19/2021

# Final Report

Report Queue #:  
39,952



Processing Date:  
8/19/2021

# Final Report

Report Queue #:  
39,952

Lab-Sample Number: N2107250-01  
Project Name: SafeWatch  
Sample Description: 26

External Id #:

Sampler Project Name: SafeWatch  
Project Site No.:  
Station No.:  
Date/Time Collected: 07/29/2021 11:45  
Sampler's Name: JUDY MANNERS  
County: Hickman - 41  
Sample Matrix: Water  
Env. Field Office: No Specified EFO  
Sampling Agency: TDOH  
Billing Code: HL00018480  
Send Report To:  
Priority Date: 08/23/2021  
Date/time Received: 07/29/2021

Agency Invoiced: TDOH

Received By: Susan Burchfield

TEST: ICP-OES METHOD: 200.7  
PERFORMING LAB: Nashville Central Laboratory

ANALYTE	RESULT	UNITS	Qualifier	MDL	MQL	ANALYZED BY	DATE
Calcium	56.2	mg/L		0.0483	0.100	Holly Jones	8/11/2021
Iron	<4.27	µg/L	U	4.27	10.0	Holly Jones	8/11/2021
Magnesium	2.64	mg/L		0.0300	0.100	Holly Jones	8/11/2021
Potassium	0.363	mg/L		0.0507	0.100	Holly Jones	8/11/2021
Sodium	1.98	mg/L		0.0270	0.100	Holly Jones	8/11/2021
Hardness, Calcium	140	mg/L		0.152	0.25	Holly Jones	8/11/2021
Hardness, Ca, Mg	151	mg/L		0.115	0.25	Holly Jones	8/11/2021

TEST: ICP Digestion (Water) METHOD: 200.2  
PERFORMING LAB: Nashville Central Laboratory

ANALYTE	RESULT	UNITS	Qualifier	MDL	MQL	ANALYZED BY	DATE
Generic Prep	Completed						8/3/2021

TEST: ICP-MS Nexion METHOD: 200.8  
PERFORMING LAB: Nashville Central Laboratory

ANALYTE	RESULT	UNITS	Qualifier	MDL	MQL	ANALYZED BY	DATE
Arsenic	<0.607	µg/L	U	0.607	1.00	Daniel Wade	8/4/2021
Barium	24.3	µg/L		1.83	5.00	Daniel Wade	8/4/2021
Boron	<5.38	µg/L	U	5.38	10.0	Daniel Wade	8/4/2021
Copper	<0.799	µg/L	U	0.799	1.00	Daniel Wade	8/4/2021
Lead	<0.158	µg/L	U	0.158	1.00	Daniel Wade	8/4/2021

TEST: ICP-MS Nexion

METHOD: 200.8

PERFORMING LAB: Nashville Central Laboratory

ANALYTE	RESULT	UNITS	Qualifier	MDL	ML	ANALYZED BY	DATE
Manganese	2.16	µg/L		0.632	1.00	Daniel Wade	8/4/2021
Zinc	7.97	µg/L		4.64	5.00	Daniel Wade	8/4/2021

Processing Date:  
8/19/2021

# Final Report

Report Queue #:  
39,952

**Lab-Sample Number:** N2107250-01B  
**Project Name:** SafeWatch  
**Sample Description:** 26

**External Id #:**

**Sampler Project Name:** SafeWatch  
**Project Site No.:**  
**Station No.:**  
**Date/Time Collected:** 07/29/2021 11:45  
**Sampler's Name:** JUDY MANNERS  
**County:** Hickman - 41  
**Sample Matrix:** Water  
**Env. Field Office:** No Specified EFO  
**Sampling Agency:** TDOH  
**Billing Code:**  
**Send Report To:**  
**Priority Date:**  
**Date/time Received:** 07/29/2021

**Agency Invoiced:** TDOH

**Received By:** Susan Burchfield

**TEST:** ICP-MS Nexion

**METHOD:** 200.8

**PERFORMING LAB:** Nashville Central Laboratory

ANALYTE	RESULT	UNITS	Qualifier	MDL	MQL	ANALYZED BY	DATE
Aluminum	6.04	µg/L				Daniel Wade	8/16/2021

## Qualifiers Key

<u>Qualifier</u>	<u>Description</u>
MDL	Method Detection Limit
MQL	Method Quantitation Limit
U	Result is less than the MDL



N2107250-01

PROJECT NAME: SafeWATCH		WATERBODY NAME: N/A	
STATION NUMBER: 26	COUNTY: Rutherford		
STREAM MILE: N/A	LONGITUDE:		
DESCRIPTION: Bon. Ayers Spic	Depth: N/A		
LATITUDE:	COLLECTED DATE: 7/29/21	TIME: 11:45	
	SAMPLER'S FULL NAME (printed) Judy Manners		
	SAMPLING AGENCY: TDH		
	IF PRIORITY, DATE NEEDED:	BILLING CODE: HL-00018480	
SEND REPORT TO: Judy.Manners@tn.gov			
* Env. Microbiology	* Gen. Inorganics (con't)	Other General Inorganics:	
coliform, fecal*	ortho-phosphate		
coliform, total*	silica*		
strep, fecal*	X sulfate*		
E. Coli*	turbidity*		
Enterococcus*	Preserved, Nutrient		
	COD*		
* General Inorganics	nitrogen, ammonia		
Not Preserved	nitrogen, NO <sub>3</sub> & NO <sub>2</sub>		
acidity as CaCO <sub>3</sub> *	nitrogen, total Kjeldahl		
alkalinity as CaCO <sub>3</sub> *	nitrogen, total organic		
BOD, 5-day*	phosphate, total		
CBOD, 5-day*			
X chloride*	SPECIAL PRESERVATION		
chromium, hexavalent	cyanide		
color	oil and grease		
conductivity*	phenols, total	Metals Digestion type:	
X fluoride*	sulfide, total*	Normal	
	TOC*	Dissolved	
X MBAS*		TCLP	
X nitrogen, nitrate*		Other:	
X nitrogen, nitrite*			
pH			
residue, dissolved*	Asbestos		
residue, settleable*	bulk asbestos		
residue, suspended*	other microscopic		
residue, total*			

\* denotes analyses performed only on water

FIELD DETERMINATIONS

Conductivity, (uhmhos)	Chlorine, residual
Dissolved Oxygen, (mg/L)	Turbidity, (NTU)
Temperature, (°C)	ORP, (mv)
pH	Flow Rate

Other Field Parameters:

1. Others present at collection
2. Other samples collected
3. Mode of transportation to lab
4. Cooler sealed by
5. Date cooler sealed
6. Remarks