



**DIVISION OF  
ADMINISTRATION**  
Public Health Laboratory

615 East Fourth Street  
Pierre, South Dakota 57501-1700  
605/773-3368 FAX: 605/773-6129  
[www.state.sd.us/doh/lab/index.htm](http://www.state.sd.us/doh/lab/index.htm)

Submitter copy to:

\* Page 1 of 2\*  
Date: 3/12/2021

BROOKINGS-DEUEL RWS-0430  
PO Box 340  
TORONTO, SD 57268

Spec #: E21EC000787  
Subm #:  
Lab: ENV CHEMISTRY  
Tel #: (605) 773-3368

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Source  
BROOKINGS-DEUEL RWS

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Date Rcvd: 3/3/2021	Source Name JWF
Time Rcvd: 0812	Source Sampled: WELL
Date Coll: 3/2/2021	Source: WELL
Time Coll: 0933	Tap Location: JWF
Spec Type: WATER	Telephone Numb* 7944201
Coll By: JOSH	Treatment: CHLORINE FLUORIDE
Date Built: 77ISH	Type of Sample: TREATED/ENTRY POINT
Field Temp 50.3	Well Depth: 38
Location JWF	medium water
Site Location: JWF	

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Final Results

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Nitrate	(Nitrate + Nitrite)-N	
EPA 353.2	0.6 mg/L	Limit: <10.0
Fluoride	0.80 mg/L	
Chloride	16.5 mg/L	
Iron, Total	<0.05 mg/L	
Manganese	<0.05 mg/L	
Sulfate	124 mg/L	
SOLIDS, TOTAL DISS. Standard Method 2540C	502 mg/L	
PH	7.58 pH UNITS	
Alkalinity-M	257 mg/L	
Alkalinity-P	0 mg/L	
Bicarbonate	314 mg/L	
Carbonate	0 mg/L	
Conductivity	764 umho/cm	
Calcium	106 mg/L	
Magnesium	34.5 mg/L	
SM3111B		
Hardness (calc)	407 mg/L	
Langlier Index	0.61	

(continued)



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Sodium  
Potassium

10.4 mg/L  
3.2 mg/L

Specimen Comments:  
%error = 2.2/3.7