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Sample # 5372.24
 Sample: Water
 Other ID: Gary Pauley

Date Received: 10/29/2024
 Date/Time Sampled: 10/28/2024 14:42:00
 Date Reported: 10/30/2024
 Total Fee: \$55.00

HICKEL, JORDON
 177 SW 30TH AVENUE
 ST. JOHN, KS 67576

Sample taken by Jordan Hickel from
 Water Right, File No. 26448--- CRC 10/31/24

ANALYSIS

	Result	Units	Date/Time Analyzed	Analyst
++pH - SM 4500-H+ B	7.51	s.u.	10/29/2024 15:28	SE
++Chloride - SM 4500-Cl B	185.00	mg/L	10/29/2024 14:00	SE
++Total Hardness - SM 2340B	183	mg/L		
++Nitrate-Nitrogen - SM 4500-NO3 D	3.93	mg/L	10/29/2024 12:45	SE
++Calcium - SM 3111B	62.60	mg/L	10/29/2024 09:30	JC
++Magnesium - SM 3111B	6.48	mg/L	10/29/2024 09:30	JC
++Sodium - SM 3111B	135.00	mg/L	10/29/2024 09:30	JC
++Sulfate - SM 4500 SO4 E	18.60	mg/L	10/30/2024 07:00	SE
% Sodium	66.2	%		
SAR-Sodium Absorption Ratio	4.333	s.u.		
++Electrical Conductivity - SM 2510B	1020	umhos/cm	10/29/2024 16:00	SE
TDS-Total Dissolved Solids - Calculated	723	mg/L		
Irrigation Quality Rating	AS FOLLOWS			
Light Soil - Salinity Hazard	Low			
Light Soil - Sodium Hazard	Medium			
Medium Soil - Salinity Hazard	Low			
Medium Soil - Sodium Hazard	High			
Heavy Soil - Salinity Hazard	Medium			
Heavy Soil - Sodium Hazard	Very High			
General Comment:	Permissible/Doubt			

**Sample receipt temperature = 17.6 degrees C.

**Sample beyond hold time for pH.

* Denotes analysis was subcontracted to another laboratory for state compliance - see attached.

Methods of analysis per EPA-600 or EPA SW-846, 3rd Ed., 1986 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

++Denotes NELAP/KDHE Accredited Method. Lab Certificate #E-10152. Results meet all requirements of NELAC unless noted.

Approved By:

Matt Hogan

Quality Assurance Officer

Copies

The results reported pertain only to the samples as received by the laboratory

