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RECEIVED

Nov 27 2024

Big Bend GMD #5

Sample # 5835.24  
Sample: Water  
Other ID: PAUG01-02 Sampled by John Hildebrand Pilot  
Augmentation Grab  
BIG BEND GMD #5  
125 S MAIN ST  
STAFFORD, KS 67578

Date Received: 11/20/2024  
Date/Time Sampled: 11/19/2024 14:00:00  
Date Reported: 11/25/2024  
Total Fee: \$55.00

ANALYSIS

	Result	Units	Date/Time Analyzed	Analyst
++pH - SM 4500-H+ B	7.56	s.u.	11/21/2024 09:36	SE
++Chloride - SM 4500-Cl B	235.00	mg/L	11/21/2024 15:00	SE
++Total Hardness - SM 2340B	209	mg/L		
++Nitrate-Nitrogen - SM 4500-NO3 D	4.96	mg/L	11/20/2024 15:00	SE
++Calcium - SM 3111B	69.60	mg/L	11/22/2024 09:00	JC
++Magnesium - SM 3111B	8.49	mg/L	11/22/2024 09:00	JC
++Sodium - SM 3111B	157.00	mg/L	11/22/2024 09:00	JC
++Sulfate - SM 4500 SO4 E	15.10	mg/L	11/22/2024 13:00	SE
% Sodium	66.8	%		
SAR-Sodium Absorption Ratio	4.717	s.u.		
++Electrical Conductivity - SM 2510B	1200	umhos/cm	11/21/2024 12:30	SE
TDS-Total Dissolved Solids - Calculated	851	mg/L		
Irrigation Quality Rating	AS FOLLOWS			
Light Soil -Salinity Hazard	Low			
Light Soil - Sodium Hazard	Medium			
Medium Soil -Salinity Hazard	Medium			
Medium Soil -Sodium Hazard	High			
Heavy Soil -Salinity Hazard	Medium			
Heavy Soil -Sodium Hazard	Very High			
General Comment:	Permissible/Doub			

\*\*Sample receipt temperature = 11.3 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:  Quality Assurance Officer

Matt Hogan



Copies

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