

ASTRO-CHEM LAB, INC.

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WATER ANALYSIS REPORT

SAMPLE NUMBER W-13-6797 DATE OF ANALYSIS 10-18-13

COMPANY Ames Water Depot

CITY Williston

STATE ND

WELL NAME AND/OR NUMBER Sheldon Depot

DATE RECEIVED 9-27-13

DEPTH

SAMPLE SOURCE

LOCATION OF SEC. TWN. RANGE COUNTY

DISTRIBUTION Lancer Labar

CONDUCTIVITY @ 77°F = 1002.0 µMHOS/cm

pH = 7.44

RESIDUAL SODIUM CARBONATE = -0.20 MEQ/L

HARDNESS = 19.9 Grains/gal

SODIUM ADSORPTION RATIO = 1.45

HARDNESS = 340 mg/L

TOTAL DISSOLVED SOLIDS (CALCULATED) = 784 mg/L

SODIUM CHLORIDE (CALCULATED) = 21 mg/L

CATION	MEQ/L	mg/L	ANION	MEQ/L	mg/L
CALCIUM	5.6	112	CHLORIDE	0.4	13
MAGNESIUM	1.2	15	CARBONATE	0.0	0
SODIUM	2.7	61	BICARBONATE	6.6	403
IRON	0.0	0.0	SULFATE	3.3	158
POTASSIUM	0.5	18	NITRATE-N	0.3	4.4

REMARKS Sampled 9-27-13

ANALYZED BY: C. Jungels