DATA QUALITY REVIEW SHEET

COGCC Facility ID:	752709	Operator:	TEP Rocky Mountain LLC
Station Name:	Federal 5595	Drill Pad:	RU 11-7
Sample Date:	10/29/2020	Purpose:	Form 15 Annual COA
Field Sample ID:	Yellow Jacket Spg	Lab Sample ID:	2010685-1

Field Sampling Data Review	**Yes**	**No**	**N/A**
1. Well properly purged?	☐	☐	☒
2. Flow rate reduced prior to sampling?	☒	☐	☒
3. Water quality parameters stable prior to sampling?	☒	☐	☐
4. Field instruments calibrated properly?	☐	☐	☐
5. Sampling methods performed according to SAP procedures?	☒	☐	☐
6. Procedures consistent with obtaining a representative sample?	☒	☐	☐
Lab Data Report Review			
7. Proper sample custody maintained until laboratory receipt?	☒	☐	☐
8. Receipt form is without discrepancies?	☒	☐	☐
9. Samples received at the recommended water temperature of ≤ 6˚C?	☒	☐	☐
10. All samples analyzed for the requested analyses?	☐	☐	☐
11. Proper laboratory methods used?	☐	☒	☐
12. All sample holding times met?	☐	☒	☐
13. Lab QC samples (LCS, LCSD, MB, MS, and MSD) collected and analyzed according to lab method and results within method acceptance limits?	☐	☒	☐
14. Was the field investigation sample matrix used by the lab for matrix QC for all analyses?	☒	☐	☐
15. Laboratory qualifiers for sample results (other than non-detect)?	☒	☐	☐
16. Additional qualifiers assigned by WWL to the sample results?	☒	☐	☐
17. Were submitted trip blanks acceptable?	☒	☐	☐
18. Are corrective actions required? *If yes, list actions and dates to be completed by:*	☐	☒	☐

Corrective Action	*Date to be completed*
None	N/A

Calculated Parameters	**Calculated Value**	**Measured Lab Value**	**Ratio/Percent Difference**	**Acceptable Limit**	**Meets QC Criteria?**
Cation/Anion Balance, % (CAB)	0.382%	N/A	N/A	±5%	☒
Total Dissolved Solids, mg/L (TDS)	328	360	1.10	1.0 – 1.2	☒
Specific Conductance, µS/cm (SpC)	537	592	0.91	0.9 – 1.1	☒
TDS/SpC, calculated	N/A	N/A	0.61	0.55-0.7	☒
TDS/SpC, lab measured	N/A	N/A	0.61	0.55-0.7	☒

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Comments:
Yellow Jacket Spring is not a well and was therefore not purged, nor was the flow rate reduced prior to sampling. Analytical method EPA365.2 was used to analyze for total phosphorus instead of the requested method of SM4500-P. Laboratory pH was analyzed six days out of holding time; WWL assigned an "H" qualifier to indicate the result is estimated. No laboratory QC samples were assigned qualifiers by the laboratory with the exception of two "N" qualifiers assigned to the MS for bromide and nitrite as N; the "N" qualifier indicated that the spiked sample recovery was not within the control limits (a post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration). ALS selected field investigation sample Yellow Jacket Spg for MS testing for anions. No samples results were assigned qualifiers by the laboratory with the exception of a "J" qualifier assigned to total phosphorus, boron, bromide, nitrate as N, nitrate/nitrite as N, and selenium to indicate a result greater than the method detection limit but less than the reporting limit (result is estimated) and an "N" qualifier assigned to bromide and nitrite as N to indicate that the spiked sample recovery was not within the control limits (a post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration).

Data Suitability Statement			
Based upon this data quality review and your professional judgement, have the data been collected and analyzed in general accordance with the COGCC Model Sampling and Analysis Plan?			☒
Are the data suitable for release for incorporation into the COGCC Environmental Database?			☒
Data Review's Name:	Trevor Smith	**Company:**	Western Water & Land, Inc.
Reviewer's Signature:	T Smith	**Date:**	12/14/2020