DATA QUALITY REVIEW SHEET

COGCC Facility ID:	703063	Operator:	TEP Rocky Mountain LLC
Station Name:	Firth 112927	Drill Pad:	GV 86-2
Sample Date:	7/8/2020	Purpose:	Rule 609 5-Year Subsequent
Field Sample ID:	Firth 112927	Lab Sample ID:	2007104-1

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? *If no, list in comments.*	☒	☐	☐
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 (other than lab pH)?	☒	☐	☐
13. Lab QA samples (e.g., matrix spikes and matrix spike duplicates) 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 data (other than non-detect)? *List in comments*.	☒	☐	☐
16. Additional qualifiers assigned by WWL (other than pH)?	☐	☒	☐
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	

Calculated Parameters	**Calculated Value**	**Measured Lab Value**	**Ratio/Percent Difference**	**Acceptable Limit**	**Meets QC Criteria?**
Cation/Anion Balance, % (CAB)	0.179	N/A	N/A	±5%	☒
Total Dissolved Solids, mg/L (TDS)	351	380	1.08	1.0 – 1.2	☒
Specific Conductance, µS/cm (SpC)	567	626	0.91	0.9 – 1.1	☒
TDS/SpC, calculated	N/A	N/A	0.62	0.55-0.7	☒
TDS/SpC, lab measured	N/A	N/A	0.61	0.55-0.7	☒

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Comments: Three casing volumes were not purged prior to sample collection due to the presence of a treatment system upstream of the sampling location; parameters were stabilized according to TEP Sampling and Analysis Plan stabilization criteria. The ALS lab courier did not use custody seals on the shipping container. Laboratory pH was analyzed out of analysis holding time, WWL qualified with "H"; result considered estimated. "J" qualifier assigned to DRO and total phosphorus method blank results by ALS to indicate a result greater than the method detection limit but less than the reporting limit.

LCSD recoveries were outside of control limits for DRO and o-terphenyl (high 1% and 3%, respectively). Duplicate RPD for LCSD were outside control limits for DRO and o-terphenyl (high 2% and 4%, respectively).

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:	Shelby Goodwin	**Company:**	Western Water & Land, Inc.
Reviewer's Signature:	S. Goodwin	**Date:**	8/31/2020