

DATA QUALITY REVIEW SHEET

COGCC Facility ID: 703035
 Station Name: John, Rice
 Sample Date: 7/8/2020
 Field Sample ID: Rice-Well

Operator:
 Drill Pad:
 Purpose:
 Lab Sample ID:

TEP Rocky Mountain LLC
GV 86-2
Rule 609 5-Year Subsequent
2007105-1

Field Sampling Data Review	Yes	No	N/A
1. Well properly purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Flow rate reduced prior to sampling?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Water quality parameters stable prior to sampling?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Field instruments calibrated properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Sampling methods performed according to SAP procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Procedures consistent with obtaining a representative sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lab Data Report Review			
7. Proper sample custody maintained until laboratory receipt?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Receipt form is without discrepancies? <i>If no, list in comments.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Samples received at the recommended water temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. All samples analyzed for the requested analyses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Proper laboratory methods used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. All sample holding times met (other than lab pH)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Was the field investigation sample matrix used by the lab for matrix QC for all analyses?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. Laboratory qualifiers for data (other than non-detect)? <i>List in comments.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Additional qualifiers assigned by WWL (other than pH)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. Were submitted trip blanks acceptable?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18. Are corrective actions required? <i>If yes, list actions and dates to be completed by:</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>Corrective Action</i>	<i>Date to be completed</i>		
None			

Calculated Parameters	Calculated Value	Measured Lab Value	Ratio/Percent Difference	Acceptable Limit	Meets QC Criteria?
Cation/Anion Balance, % (CAB)	1.177	N/A	N/A	$\pm 5\%$	<input checked="" type="checkbox"/>
Total Dissolved Solids, mg/L (TDS)	345	380	1.10	1.0 – 1.2	<input checked="" type="checkbox"/>
Specific Conductance, $\mu\text{S}/\text{cm}$ (SpC)	567	591	0.96	0.9 – 1.1	<input checked="" type="checkbox"/>
TDS/SpC, calculated	N/A	N/A	0.61	0.55-0.7	<input checked="" type="checkbox"/>
TDS/SpC, lab measured	N/A	N/A	0.64	0.55-0.7	<input checked="" type="checkbox"/>

DATA QUALITY REVIEW SHEET

Comments: 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 sample results and 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).


DRO was detected in the sample at 0.47 mg/L; and DRO was detected in the method blank at 0.38 mg/L. "B" qualifier assigned to DRO results by ALS to indicate that the analyte is detected in the associated method blank; it warns the data user of probable method blank contamination.

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?	<input checked="" type="checkbox"/>
---	-------------------------------------

Are the data suitable for release for incorporation into the COGCC Environmental Database?	<input checked="" type="checkbox"/>
--	-------------------------------------

Data Review's Name:	Shelby Goodwin	Company:	Western Water & Land, Inc.
----------------------------	----------------	-----------------	----------------------------

Reviewer's Signature:		Date:	8/31/2020
------------------------------	---	--------------	-----------