

## DATA QUALITY REVIEW SHEET

ECMC Facility ID: 755917  
 Station Name: Getty 12C  
 Sample Date: 9/4/2024  
 Field Sample ID: Getty 12C

Operator: TEP Rocky Mountain LLC  
 Location: TR 32-28-597  
 Purpose: Baseline Water Quality Sampling  
 Lab Sample ID: L1774269-01

Field Sampling Data Review	Yes	No	N/A
1. Well properly purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Flow rate reduced prior to sampling?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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?	<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 besides pH?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Lab QC samples (LCS, LCSD, MB, MS, and MSD) 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 all matrix QC?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. Laboratory qualifiers for sample results (other than non-detect)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Additional qualifiers assigned by WWL to the sample results?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. Were submitted trip blanks acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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>		
	N/A		

Calculated Parameters	Calculated Value	Measured Lab Value	Ratio/Percent Difference	Acceptable Limit	Meets QC Criteria?
Cation/Anion Balance, % (CAB)	1.66%	N/A	N/A	2%	<input checked="" type="checkbox"/>
Total Dissolved Solids, mg/L (TDS)	387	397	1.03	1.0 – 1.2	<input checked="" type="checkbox"/>
Specific Conductance, $\mu\text{S}/\text{cm}$ (SpC)	593	681	0.87	0.9 – 1.1	<input type="checkbox"/>
TDS/SpC, calculated	N/A	N/A	0.65	0.55-0.7	<input checked="" type="checkbox"/>
TDS/SpC, lab measured	N/A	N/A	0.58	0.55-0.7	<input checked="" type="checkbox"/>
Anion (meq/L):SpC	N/A	N/A	1.11	0.9 – 1.1	<input type="checkbox"/>
Cation (meq/L):SpC	N/A	N/A	1.07	0.9 – 1.1	<input checked="" type="checkbox"/>

## DATA QUALITY REVIEW SHEET

**Comments:**

- Pace notes in the case narrative that the Laboratory is not accredited for bromide using method 9056A.
- Laboratory pH analysis exceeded holding time by two days. Pace assigned a "T8" qualifier to these results.
- Sample results for boron, manganese, potassium, diesel range organics C10-C28 (DRO), and motor oil range organics C28-C36 (MRO) were assigned "J" qualifiers by Pace.
- Analyte was detected in the method blanks for phosphorous and iron.
- Quality control samples for calcium, magnesium, and sodium were not within quality control method control limits for accuracy. All quality control samples that were assigned qualifiers for accuracy came from outside sources.
- Quality control samples for fluoride were not within quality control method control limits for precision. All quality control samples that were assigned qualifiers for precision came from outside sources.
- Sample Getty 12C was selected by Pace for precision testing of alkalinity, alkalinity (bicarbonate), alkalinity (carbonate), and alkalinity (hydroxide).

**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 ECMC Model Sampling and Analysis Plan?	<input checked="" type="checkbox"/>		
Are the data suitable for release for incorporation into the ECMC Environmental Database?	<input checked="" type="checkbox"/>		
The inorganic data are qualified due to one or more QC criteria not being met; data are considered estimated and provisionally released for incorporation into the ECMC Environmental Database.	<input checked="" type="checkbox"/>		
<b>Data Reviewer's Name:</b>	Thomas Prichard	<b>Company:</b>	Western Water & Land, Inc.
<b>Reviewer's Signature:</b>	<i>Thomas Prichard</i>	<b>Date:</b>	11/4/2024/2024