

## DATA QUALITY REVIEW SHEET

ECMC Facility ID: 755924  
 Station Name: Naugle 202848  
 Sample Date: 10/23/2024  
 Field Sample ID: Naugle 202848

Operator: TEP Rocky Mountain LLC  
 Location: PA 64-24  
 Purpose: Rule 615 2-Year Subsequent  
 Lab Sample ID: L1792039-02

Field Sampling Data Review	Yes	No	N/A
1. Well properly purged?	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input 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)	3.35	N/A	N/A	5%	<input checked="" type="checkbox"/>
Total Dissolved Solids, mg/L (TDS)	4480	4790	1.07	1.0 – 1.2	<input checked="" type="checkbox"/>
Specific Conductance, $\mu\text{S}/\text{cm}$ (SpC)	7149	6030	1.19	0.9 – 1.1	<input type="checkbox"/>
TDS/SpC, calculated	N/A	N/A	0.63	0.55-0.7	<input checked="" type="checkbox"/>
TDS/SpC, lab measured	N/A	N/A	0.79	0.55-0.7	<input type="checkbox"/>
Anion (meq/L):SpC	N/A	N/A	1.15	0.9 – 1.1	<input type="checkbox"/>
Cation (meq/L):SpC	N/A	N/A	1.23	0.9 – 1.1	<input type="checkbox"/>

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**Comments:**

- A three-casing volume was not purged from the well prior to sampling.
- Field parameters DO, ORP, and turbidity had not stabilized prior to sampling.
- The specific conductance ratio was not within the acceptable limit.
- Laboratory pH analysis exceeded holding time by 2 days. Pace assigned a "T8" qualifier to these results.
- Sample results for phosphorous, bromide, boron, fluoride, diesel range organics C10-C28 (DRO), and motor oil range organics C28-C36 (MRO) were assigned "J" qualifiers by Pace.
- Phosphorous and MRO were assigned "B" qualifiers by Pace.
- Analyte was detected in the method blanks for phosphorous and MRO.
- Field sample Naugle 202848 was not selected by Pace for any quality control testing.
- Quality control samples for nitrate as (N), nitrate-nitrite, sulfate, chloride, and sodium were assigned qualifiers for accuracy. All quality control samples that received qualifiers for accuracy came from outside sources.
- Phosphorous was assigned "J" QC qualifier for precision based on the Naugle 67992-F sample. All other quality control samples that received qualifiers for precision came from outside sources.

**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>	1/16/2025