

DATA QUALITY REVIEW SHEET

Facility ID: 752711
 Station Name: Puckett 151879
 Sample Date: 6/23/2016
 Field Sample ID: GM 323-28-151879

Project: TEP GR 14-28 BWQ
 Lab Work Order: 1606454
 QA/QC Review Date: 8/8/2016
 Reviewer: S. Goodwin

| 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. All samples analyzed for the requested analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Proper laboratory methods used? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. All sample holding times met (other than lab pH)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. 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"/> |
| 14. Laboratory qualifiers for data (other than non-detect)? <i>List in comments.</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 15. Additional qualifiers assigned (other than pH)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 16. 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 | Lab Value | Ratio/Percent Difference | Acceptable Limit | Meets QC Criteria? |
|------------------------------------|------------------|-----------|--------------------------|------------------|-------------------------------------|
| Cation/Anion Balance, % (CAB) | 0.285 | N/A | N/A | ±5% | <input checked="" type="checkbox"/> |
| Total Dissolved Solids, mg/L (TDS) | 1105 | 850 | 1.30 | 0.8 – 1.2 | <input type="checkbox"/> |
| Specific Conductance, µS/cm (SpC) | 1269 | 1418 | 0.89 | 0.8 – 1.2 | <input checked="" type="checkbox"/> |

Comments: Laboratory pH was analyzed out of analysis holding time, WWL qualified with "H"; result considered estimated. "J" qualifier assigned to nitrate/nitrite as N, nitrite as N, and total phosphorus sample results and to barium method blank results to indicate a result greater than the method detection limit but less than the reporting limit; results considered estimated. Total dissolved solids ratio slightly outside of QC criteria, but data not qualified.