

DATA QUALITY REVIEW SHEET

Facility ID: 752714
 Station Name: Mackley Hillside Spring 910
 Sample Date: 3/5/2020
 Field Sample ID: Hillside Spg

Project: RMV 108-4: 609 2nd Sub
 Lab Sample ID: 2003104-1
 QA/QC Review Date: 3/30/2020
 Reviewer: S. Goodwin

| 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 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 type="checkbox"/> | <input checked="" 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) | 1.498 | N/A | N/A | ±5% | <input checked="" type="checkbox"/> |
| Total Dissolved Solids, mg/L (TDS) | 540 | 420 | 1.29 | 0.8 – 1.2 | <input type="checkbox"/> |
| Specific Conductance, µS/cm (SpC) | 627 | 699 | 0.90 | 0.8 – 1.2 | <input checked="" type="checkbox"/> |

Comments: Headspace was present in two VOAs associated with the trip blank. Laboratory pH was analyzed out of analysis holding time, WWL qualified with "H"; result considered estimated. "J" qualifier assigned to total phosphorus sample results to indicate a result greater than the method detection limit but less than the reporting limit. TDS ratio slightly outside of QC criteria, but data not qualified.