

DATA QUALITY REVIEW SHEET

Facility ID: 753174
 Station Name: Savage Beaver Creek 2
 Sample Date: 7/12/17 11:15 AM
 Field Sample ID: Beaver Cr 2

Project: TEP 317B RU 11-7, SR 43-12
 Lab Work Order: 1707153-1
 QA/QC Review Date: 8/17/17
 Reviewer: J. Pahler

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? <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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input 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)	0.848	N/A	N/A	±5%	<input checked="" type="checkbox"/>
Total Dissolved Solids, mg/L (TDS)	166	150	1.11	0.8 – 1.2	<input checked="" type="checkbox"/>
Specific Conductance, µS/cm (SpC)	224	225	1.00	0.8 – 1.2	<input checked="" type="checkbox"/>

Comments: Headspace greater than green pea in two VOAs at receiving by lab. Laboratory pH, nitrate/nitrite, nitrate, and nitrite were analyzed out of analysis holding time, WWL qualified with "H"; result considered estimated. "J" qualified assigned to fluoride, nitrate as N, nitrate/nitrite as N, boron, and potassium sample results and to manganese and chloride method blank results to indicate a result greater than the method detection limit but less than the reporting limit.

QC criteria were exceeded for the following parameters; no qualifiers were assigned to the results by the laboratory.

Analyte	QC Test	% Recovery	Limits (%)
Surr:2-fluorobiphenyl	MB	114	55-108
2-Methylnaphthalene	LCS	55	62-100
Anthracene	LCSD	70	72-108
Benzo(G,H,I)perylene	LCSD	134	52-124
2-Methylnaphthalene	LCSD RPD	45	20
Benzo(G,H,I)perylene	LCSD RPD	30	20