

DATA QUALITY REVIEW SHEET

Facility ID: 753174
 Station Name: Savage Beaver Creek 2
 Sample Date: 5/24/2018
 Field Sample ID: Beaver Cr 2

Project: TEP Mar/Apr 2018 317B
 Lab Sample ID: 1805553-1
 QA/QC Review Date: 7/19/2018
 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 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 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 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 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)	3.426	N/A	N/A	±5%	<input checked="" type="checkbox"/>
Total Dissolved Solids, mg/L (TDS)	148.5	120	1.24	0.8 – 1.2	<input type="checkbox"/>
Specific Conductance, µS/cm (SpC)	179	211.1	0.85	0.8 – 1.2	<input checked="" type="checkbox"/>

Comments: Trip Blank was received with headspace less than green pea size. Laboratory pH was analyzed out of analysis holding time, WWL qualified with "H"; result considered estimated. "J" qualifier assigned to fluoride, nitrate/nitrite, nitrate, boron, and potassium sample results and to barium, boron, iron, manganese, and sodium method blank 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.

LCSD and RPD for LCS analysis were outside of quality control limits for the following table:

Analyte	LCS Recovery (%)	LCSD Recovery (%)	Control Limits (%)	RPD (Limits)
Acenaphthalene	(in limits)	58	67-108	34 (20)
Benzo(b)fluoranthene	(in limits)	124	67-111	33 (20)
Benzo(k)fluoranthene	(in limits)	120	65-118	32 (20)
Indeno(1,2,3-cd)pyrene	(in limits)	(in limits)	(in limits)	31 (20)
Dibenzo(a,h)anthracene	(in limits)	(in limits)	(in limits)	32 (20)
Benzo(g,h,i)perylene	(in limits)	(in limits)	(in limits)	29 (20)