

MDN Notes and Quality Rating Codes

MDN Sample Condition Codes		
Notes	Description	QR Code¹
b	Bulk sample (sample exposed the whole time)	C
c	Contaminated sample	C
d	Visible debris in sample	B
e	Extended sampling period (> 360 hours/15 days)	C
f	Field protocol error - Serious problems in field operations that compromise sample integrity OR - Extended field hold time = Sample receipt > 60 days after OFF date	C
h	Sample handling issue - Handling contamination in the field - Significant leakage upon receipt in the lab OR - Extended sampling/field/lab hold times o Sampling period > 194 hrs/8 days, 2hrs and ≤ 360 hrs/15days o Sample receipt > 16 days and ≤ 60 days after OFF date o Lab analysis > 60 days from BrCl preservation	B
i	Low volume sample (sample volume < 10ml)	B
l	Laboratory error (major handling problems in lab)	C
m	Missing data	B
n	No sample submitted	C
p	Precipitation value unknown (no precipitation data from rain gage or alternate source)	C
q	Minor quality control issue	B
u	Undefined sample (sample exposed for at least 6 hours without precipitation)	C
v	Precipitation amount indicates sufficient sample for analysis, but insufficient sample in bottle. (undercatch; sample volume < 1.5ml or sample volume is < 10% of rain gage precipitation amount)	C
z	Site operation issue (min temp < 32, max temp > 120 deg. F)	B
¹ Quality Rating (QR) Code Definitions:		
A – Valid data		
B – Valid data with minor issues		
C – Invalid data		