MDN DATA FIELDS

SITE CODE: 2-letter state or province designator followed by a two digit number.

START DATE: (mm/dd/yyyy hh:mm), GMT

END DATE: (mm/dd/yyyy hh:mm), GMT

RGPPT: Precipitation amount as measured by the rain gage in millimeters. Trace amounts are indicated by -7.00 and missing amount by -9.00.

SVOL: Sample Volume, ml. Missing amounts are indicated by a -9.00.

SUBPPT: Rain gage precipitation amount, if available, in mm. If the rain gage value (RGPPT) is missing, the precipitation amount in mm is calculated from the net sample volume caught in the sample bottle. A value of 0.127 is inserted for Trace sample types. Missing amounts are indicated by a -9.00

HGCONC: Total mercury concentration reported by the lab in ng/L. Missing amounts are indicated by a -9.00

HGDEP: Total mercury deposition, ng/m^2 . The product of SUBPPT and HGCONC. Missing amounts are indicated by a -9.00

Quality rating (QR) CODE:

A	fully qualified with no problems
B	valid data with minor problems, used for summary statistics
C	invalid data, not used for summary statistics
-	no sample submitted for this time period

SAMPLE TYPE:

W	wet sample, measurable precipitation ($\geq$ 0.01 in.) on the rain gauge (RG) or net bottle catch (BC) $\geq$ 1.5 mL if RG data are missing. Concentration and deposition data are reported unless the QR Code is C.
D	dry sample The RG measured a 0 precipitation amount net, or if the RG is missing, the BC < 1.5 mL . No concentration data are reported and are indicated by a -9.00. RGPPT, SUBPPT, and HGDEP are set to zero.
T	trace sample, used when the rain gage detects that an unmeasurable amount of precipitation occurred. No Hg concentration or depositions are shown. SUBPPT is set to 0.127 mm
--	unknown sample type. Precipitation amount is unknown.

NOTE CODE:

Code	Description	Quality Rating (QR) code	Valid for Summary Statistics (Y/N)
e	Extended sample time (> 8days)	B	Y
d	debris present	B	Y
m	missing information	B	Y
z	site operations problems	B	Y
h	sample handling problems	B	Y
i	low volume sample (1.5 mL $\leq$ sample volume < 10 mL) (Hg conc. data are reported but they are less certain than samples with a sample volume of at least 10 mL	B	Y
b	bulk sample (sample exposed the whole time)	C	N
v	Rain gage indicates precipitation occurred but the sample volume was less than 1.5 mL, or the sample volume was less than 10% of indicated rain gage precipitation amount.	C	N
u	undefined sample (sample exposed for at least 6 hours without precipitation)	C	N
f	serious problems in field operations that compromise sample integrity	C	N
l	laboratory error	C	N
c	contamination of sample	C	N
p	no precipitation data from either the rain gage or the sample volume	C	N
n	no sample submitted	C	N

YRMONTH (YYYYMM): Indicated the year and month at the midpoint of the sample. Used for determining which samples to use to compute annual and seasonal aggregates.

DATEMOD (DD/MM/YYYY): Date when the record was last modified.