

National Atmospheric Deposition Program Ammonia Monitoring Network (AMoN)

Description of Data:
 Radiello Type Passive Samplers
Individual Replicate Values

Field	Data Type	Description
NADPID	Text	Unique NADP identifier of individual sample sets consisting of one or more sample replicates and a travel blank deployed together
SITEID	Text	Two-letter location designator followed by a two digit number
REPLICATE	Text	Sample replicate (A, B, C) or travel blank (T)
STARTDATE	Date/Time	Start date and time of sample exposure, GMT
ENDDATE	Date/Time	End date and time of sample exposure, GMT
EXPTIME	Numeric (0)	Sample exposure time, minutes
AIRVOL	Numeric (0.00)	Sample volume, m ³
EXTRACTVOL	Numeric (0.00)	Filter extract solution volume, mL
NH4	Numeric (0.000)	Measured ammonium ion concentration of filter extract, in mg/L of solution as NH ₄ ⁺ ; missing values are indicated by -9
CONC	Numeric (0.00)	Gaseous ammonia concentration, µg/m ³ ; missing values are indicated by -9
QR	Text	Quality Rating Code: A: fully qualified with no problems B: valid data with minor problems C: invalid data
NOTES	Text	Sample notes flags; see next page
CHNGDATE	Date/Time	Most recent date and time any data values were edited within the NADPID set

Notes Codes for Individual Replicate Values

AMoN Sample Condition Flags		
Notes	Description	QR Code ¹
a	Laboratory analytical data missing	C
c	Local source of ammonia (within ~500m), based on site operator comments	B
d	For T samples "d" indicates < lab method detection limit (mg/L NH ₄) For A, B & C samples "d" indicates < network method detection limit (mg/L NH ₄)	B
e	Long sample time (> 360 hours)	B
f	Major field sampling issue (gross contamination, vandalism, etc.)	C
h	Sample handling issue in field, shipping, or laboratory	B
l	Major laboratory issue	C
m	Missing data from field operator	B
n	No sampler deployed	C
q	Minor quality control issue (started applying to data 1/2021)	B
s	Short sample time (< 312 hours)	No change
t	Elevated travel blank concentration (>0.2 mg/L NH ₄). Elevated travel blank concentration should be considered when utilizing the associated ambient sampler data.	B
y	Delayed sample processing (>21 days from date off to analysis date)	B
¹ Quality Rating (QR) Code Definitions: A – Fully qualified data B – Valid data with minor issues C – Invalid data		

Method Detection Limits

Sample Set ID Range	AMoN Network MDL (MDLN) mg/L NH ₄	AMoN Lab MDL (MDLL) mg/L NH ₄
All Prior to N18005002	0.0469	0.0469
N18005002 – N18006407	0.119	0.008
N19000001 – N19002669	0.104	0.016
N20000001 – N20002856	0.083	0.013
N2100001-present	0.070	0.010