



Air Pollution Control Division

Technical Services Program

APPENDIX DQ

Data Qualifiers

Qualifiers

AQS Reference Table

Qualifier Code	Qualifier Description	Qualifier Type	Qualifier Type Code	Still Active	Legacy Code
1	Deviation from a CFR/Critical Criteria Requirement	Quality Assurance Qualifier	QA	YES	
2	Operational Deviation	Quality Assurance Qualifier	QA	YES	
3	Field Issue	Quality Assurance Qualifier	QA	YES	
4	Lab Issue	Quality Assurance Qualifier	QA	YES	
5	Outlier	Quality Assurance Qualifier	QA	YES	
6	QAPP Issue	Quality Assurance Qualifier	QA	YES	
7	Below Lowest Calibration Level	Quality Assurance Qualifier	QA	YES	
8	QA/QC Unknown	Quality Assurance Qualifier	QA	NO	
9	Negative value detected - zero reported	Quality Assurance Qualifier	QA	YES	
1C	A 1-Point QC check exceeds acceptance criteria but there is compelling evidence that the analyzer data is valid.	Null Data Qualifier	NULL	YES	
1V	Data reviewed and validated	Quality Assurance Qualifier	QA	YES	
A	High Winds	Informational Only	INFORM	NO	
AA	Sample Pressure out of Limits	Null Data Qualifier	NULL	YES	9967
AB	Technician Unavailable	Null Data Qualifier	NULL	YES	9968
AC	Construction/Repairs in Area	Null Data Qualifier	NULL	YES	9969
AD	Shelter Storm Damage	Null Data Qualifier	NULL	YES	9970
AE	Shelter Temperature Outside Limits	Null Data Qualifier	NULL	YES	9971

AF	Scheduled but not Collected	Null Data Qualifier	NULL	YES	9972
AG	Sample Time out of Limits	Null Data Qualifier	NULL	YES	9973
AH	Sample Flow Rate or CV out of Limits	Null Data Qualifier	NULL	YES	9974
AI	Insufficient Data (cannot calculate)	Null Data Qualifier	NULL	YES	9975
AJ	Filter Damage	Null Data Qualifier	NULL	YES	9976
AK	Filter Leak	Null Data Qualifier	NULL	YES	9977
AL	Voided by Operator	Null Data Qualifier	NULL	YES	9978
AM	Miscellaneous Void	Null Data Qualifier	NULL	YES	9979
AN	Machine Malfunction	Null Data Qualifier	NULL	YES	9980
AO	Bad Weather	Null Data Qualifier	NULL	YES	9981
AP	Vandalism	Null Data Qualifier	NULL	YES	9982
AQ	Collection Error	Null Data Qualifier	NULL	YES	9983
AR	Lab Error	Null Data Qualifier	NULL	YES	9984
AS	Poor Quality Assurance Results	Null Data Qualifier	NULL	YES	9985
AT	Calibration	Null Data Qualifier	NULL	YES	9986
AU	Monitoring Waived	Null Data Qualifier	NULL	YES	9987
AV	Power Failure	Null Data Qualifier	NULL	YES	9988
AW	Wildlife Damage	Null Data Qualifier	NULL	YES	9989
AX	Precision Check	Null Data Qualifier	NULL	YES	9990
AY	Q C Control Points (zero/span)	Null Data Qualifier	NULL	YES	9991
AZ	Q C Audit	Null Data Qualifier	NULL	YES	9992
B	Stratospheric Ozone Intrusion	Informational Only	INFORM	NO	
BA	Maintenance/Routine Repairs	Null Data Qualifier	NULL	YES	9993
BB	Unable to Reach Site	Null Data Qualifier	NULL	YES	9994
BC	Multi-point Calibration	Null Data Qualifier	NULL	YES	9995
BD	Auto Calibration	Null Data Qualifier	NULL	YES	9996
BE	Building/Site Repair	Null Data Qualifier	NULL	YES	9997
BF	Precision/Zero/Span	Null Data Qualifier	NULL	YES	9998
BG	Missing ozone data not likely to exceed level of standard	Null Data Qualifier	NULL	YES	9966
BH	Interference/co-elution/misidentification	Null Data Qualifier	NULL	YES	9965

BI	Lost or damaged in transit	Null Data Qualifier	NULL	YES	9964
BJ	Operator Error	Null Data Qualifier	NULL	YES	9963
BK	Site computer/data logger down	Null Data Qualifier	NULL	YES	9962
BL	QA Audit	Null Data Qualifier	NULL	YES	9961
BM	Accuracy check	Null Data Qualifier	NULL	YES	9960
BN	Sample Value Exceeds Media Limit	Null Data Qualifier	NULL	YES	9947
BR	Sample Value Below Acceptable Range	Null Data Qualifier	NULL	YES	
C	Volcanic Eruption	Informational Only	INFORM	NO	
CB	Values have been Blank Corrected	Quality Assurance Qualifier	QA	YES	
CC	Clean Canister Residue	Quality Assurance Qualifier	QA	YES	
CL	Surrogate Recoveries Outside Control Limits	Quality Assurance Qualifier	QA	YES	
CS	Laboratory Calibration Standard	Null Data Qualifier	NULL	YES	9953
D	Sandblasting	Informational Only	INFORM	NO	
DA	Aberrant Data (Corrupt Files, Aberrant Chromatography, Spikes, Shifts)	Null Data Qualifier	NULL	YES	9951
DI	Sample was diluted for analysis	Quality Assurance Qualifier	QA	YES	
DL	Detection Limit Analyses	Null Data Qualifier	NULL	YES	9949
DN	DNPH peak less than NATTS TAD requirement, reported value should be considered an estimate	Quality Assurance Qualifier	QA	YES	
E	Forest Fire	Request Exclusion	REQEXC	NO	
EC	Exceeds Critical Criteria	Null Data Qualifier	NULL	YES	
EH	Estimated; Exceeds Upper Range	Quality Assurance Qualifier	QA	YES	
F	Structural Fire	Informational Only	INFORM	NO	
FB	Field Blank Value Above Acceptable Limit	Quality Assurance Qualifier	QA	YES	
FI	Filter Inspection Flag	Null Data Qualifier	NULL	YES	9959
FX	Filter Integrity Issue	Quality Assurance Qualifier	QA	YES	
G	High Pollen Count	Informational Only	INFORM	NO	
H	Chem. Spills & Indust. Accidents	Informational Only	INFORM	NO	
HT	Sample pick-up hold time exceeded	Quality Assurance Qualifier	QA	YES	
I	Unusual Traffic Congestion	Informational Only	INFORM	NO	

IA	African Dust	Informational Only	INFORM	YES	
IB	Asian Dust	Informational Only	INFORM	YES	
IC	Chem. Spills & Indust Accidents	Informational Only	INFORM	YES	
ID	Cleanup After a Major Disaster	Informational Only	INFORM	YES	
IE	Demolition	Informational Only	INFORM	YES	
IF	Fire - Canadian	Informational Only	INFORM	YES	
IG	Fire - Mexico/Central America	Informational Only	INFORM	YES	
IH	Fireworks	Informational Only	INFORM	YES	
II	High Pollen Count	Informational Only	INFORM	YES	
IJ	High Winds	Informational Only	INFORM	YES	
IK	Infrequent Large Gatherings	Informational Only	INFORM	YES	
IL	Other	Informational Only	INFORM	YES	
IM	Prescribed Fire	Informational Only	INFORM	YES	
IN	Seismic Activity	Informational Only	INFORM	YES	
IO	Stratospheric Ozone Intrusion	Informational Only	INFORM	YES	
IP	Structural Fire	Informational Only	INFORM	YES	
IQ	Terrorist Act	Informational Only	INFORM	YES	
IR	Unique Traffic Disruption	Informational Only	INFORM	YES	
IS	Volcanic Eruptions	Informational Only	INFORM	YES	
IT	Wildfire-U. S.	Informational Only	INFORM	YES	
IU	Wildland Fire Use Fire-U. S.	Informational Only	INFORM	NO	
J	Construction	Informational Only	INFORM	YES	
K	Agricultural Tilling	Informational Only	INFORM	NO	
L	Highway Construction	Informational Only	INFORM	NO	
LB	Lab blank value above acceptable limit	Quality Assurance Qualifier	QA	YES	
LJ	Identification Of Analyte Is Acceptable; Reported Value Is An Estimate	Quality Assurance Qualifier	QA	YES	
LK	Analyte Identified; Reported Value May Be Biased High	Quality Assurance Qualifier	QA	YES	
LL	Analyte Identified; Reported Value May Be Biased Low	Quality Assurance Qualifier	QA	YES	
M	Rerouting of Traffic	Informational Only	INFORM	NO	

MB	Method Blank (Analytical)	Null Data Qualifier	NULL	YES	9955
MC	Module End Cap Missing	Null Data Qualifier	NULL	YES	9958
MD	Value less than MDL	Quality Assurance Qualifier	QA	YES	
MS	Value reported is 1/2 MDL substituted.	Quality Assurance Qualifier	QA	YES	
MX	Matrix Effect	Quality Assurance Qualifier	QA	YES	
N	Sanding/Salting of Streets	Informational Only	INFORM	NO	
ND	No Value Detected, Zero Reported	Quality Assurance Qualifier	QA	YES	
NS	Influenced by nearby source	Quality Assurance Qualifier	QA	YES	
O	Infrequent Large Gatherings	Informational Only	INFORM	NO	
P	Roofing Operations	Informational Only	INFORM	NO	
PQ	Values Between PQL And MDL	Quality Assurance Qualifier	QA	NO	
Q	Prescribed Burning	Informational Only	INFORM	NO	
QP	Pressure Sensor Questionable	Quality Assurance Qualifier	QA	YES	
QT	Temperature Sensor Questionable	Quality Assurance Qualifier	QA	YES	
QV	Quality Control Multi-point Verification	Null Data Qualifier	NULL	YES	
QX	Does not meet QC criteria	Quality Assurance Qualifier	QA	YES	
R	Cleanup After a Major Disaster	Informational Only	INFORM	NO	
RA	African Dust	Request Exclusion	REQEXC	YES	
RB	Asian Dust	Request Exclusion	REQEXC	YES	
RC	Chem. Spills & Indust. Accidents	Request Exclusion	REQEXC	YES	
RD	Cleanup After a Major Disaster	Request Exclusion	REQEXC	YES	
RE	Demolition	Request Exclusion	REQEXC	YES	
RF	Fire - Canadian	Request Exclusion	REQEXC	YES	
RG	Fire - Mexico/Central America	Request Exclusion	REQEXC	YES	
RH	Fireworks	Request Exclusion	REQEXC	YES	
RI	High Pollen Count	Request Exclusion	REQEXC	YES	
RJ	High Winds	Request Exclusion	REQEXC	YES	
RK	Infrequent Large Gatherings	Request Exclusion	REQEXC	YES	
RL	Other	Request Exclusion	REQEXC	YES	
RM	Prescribed Fire	Request Exclusion	REQEXC	YES	

RN	Seismic Activity	Request Exclusion	REQEXC	YES	
RO	Stratospheric Ozone Intrusion	Request Exclusion	REQEXC	YES	
RP	Structural Fire	Request Exclusion	REQEXC	YES	
RQ	Terrorist Act	Request Exclusion	REQEXC	YES	
RR	Unique Traffic Disruption	Request Exclusion	REQEXC	YES	
RS	Volcanic Eruptions	Request Exclusion	REQEXC	YES	
RT	Wildfire-U. S.	Request Exclusion	REQEXC	YES	
RU	Wildland Fire Use Fire-U. S.	Request Exclusion	REQEXC	NO	
S	Seismic Activity	Informational Only	INFORM	NO	
SA	Storm Approaching	Null Data Qualifier	NULL	YES	9957
SC	Sampler Contamination	Null Data Qualifier	NULL	YES	9948
SQ	Values Between SQL and MDL	Quality Assurance Qualifier	QA	YES	
SS	Value substituted from secondary monitor	Quality Assurance Qualifier	QA	YES	
ST	Calibration Verification Standard	Null Data Qualifier	NULL	YES	9954
SV	Sample Volume out of limits	Null Data Qualifier	NULL	YES	
SX	Does Not Meet Siting Criteria	Quality Assurance Qualifier	QA	YES	
T	Multiple PM2.5 Validity Flags	Quality Assurance Qualifier	QA	NO	
TB	Trip Blank Value Above Acceptable Limit	Quality Assurance Qualifier	QA	YES	
TC	Component Check & Retention Time Standard	Null Data Qualifier	NULL	YES	9952
TS	Holding Time Or Transport Temperature Is Out Of Specs.	Null Data Qualifier	NULL	YES	9956
TT	Transport Temperature is Out of Specs.	Quality Assurance Qualifier	QA	YES	
U	Sahara Dust	Informational Only	INFORM	NO	
V	Validated Value	Quality Assurance Qualifier	QA	YES	
VB	Value below normal; no reason to invalidate	Quality Assurance Qualifier	QA	YES	
W	Flow Rate Average out of Spec.	Quality Assurance Qualifier	QA	YES	
X	Filter Temperature Difference or Average out of Spec.	Quality Assurance Qualifier	QA	YES	
XX	Experimental Data	Null Data Qualifier	NULL	YES	9950
Y	Elapsed Sample Time out of Spec.	Quality Assurance Qualifier	QA	YES	
Z	Other event	Informational Only	INFORM	NO	