NARSTO Data Flag	NARSTO Data Qualification Flag Description	Process Point	Flag Category	Supersite Detailed Flag	Acronym Derivation	Detailed Flag Description	CCAQS Flag Type Code	CCAQS Flag Type
V0	Valid value	All Process Points	All Categories	**NIE**	**N**o **I**ssues **E**ncountered	No Problems or Issues Encountered	V0	Valid value
V0	Valid value	Data Analysis	Analysis	**NLC**	**N**on-**L**isted **C**ompound	Compound Not Listed but Compound Found	V0	Valid value
V0	Valid value	Data Analysis	Analysis	**VCD**	**V**alue **C**onfirme**D**	Value Confirmed	V0	Valid value
V0	Valid value	Data Analysis	Calculated	**DAV**	**D**ata **AV**eraged	Data Averaged	V0	Valid value
V0	Valid value	Field/Lab	Calibration	**CFC**	**C**orrection **F**actor **C**alibration	Correction Factor, Calibration	V0	Valid value
V0	Valid value	Field/Lab	Calibration	**CTP**	**C**orrection **T**emp **P**ressure	Correction Factor, Std. Temp. and Pressure	V0	Valid value
V0	Valid value	Field/Lab	Procedure	**WUS**	**W**rong **U**nit**S**	Wrong Units	V0	Valid value
V0	Valid value	Field/Lab	QC	**BDQ**	**B**etween **D**etection/**Q**uantification	Between Instrument Detection and Quantification Limits	V0	Valid value
V0	Valid value	Lab	Calculated	**ROR**	**R**ecalculated **O**r **R**eprocessed	Recalculated or Reprocessed	V0	Valid value
V1	Valid value but comprised wholly or partially of below-MDL data	Field/Lab	QC	**AND**	**A**nalyte **N**ot **D**etected	Analyte Not Detected	V1	Valid value but comprised wholly or partially of below-MDL data
V1	Valid value but comprised wholly or partially of below-MDL data	Field/Lab	QC	**BDD**	**B**elow **D**aily **D**etection	Daily Detection Limit, Less than	V1	Valid value but comprised wholly or partially of below-MDL data
V1	Valid value but comprised wholly or partially of below-MDL data	Field/Lab	QC	**BID**	**B**elow **I**nstrument **D**etection	Instrument Detection Limit, Less than	V1	Valid value but comprised wholly or partially of below-MDL data
V1	Valid value but comprised wholly or partially of below-MDL data	Field/Lab	QC	**BMD**	**B**elow **M**ethod **D**etection	Method Detection Limit, Less than	V1	Valid value but comprised wholly or partially of below-MDL data
V1	Valid value but comprised wholly or partially of below-MDL data	Field/Lab	QC	**BSA**	**B**elow **SA**mple Detection	Sample-Specific Detection Limit, Less than	V1	Valid value but comprised wholly or partially of below-MDL data
V1	Valid value but comprised wholly or partially of below-MDL data	Field/Lab	QC	**BSY**	**B**elow **SY**stem Detection	System Detection Limit, Less than	V1	Valid value but comprised wholly or partially of below-MDL data
V1	Valid value but comprised wholly or partially of below-MDL data	Field/Lab	QC	**OBS**	**O**peration **B**eyond **S**cale	Value Not Confirmed, Operation Beyond Scale Setting	V1	Valid value but comprised wholly or partially of below-MDL data

NARSTO Data Flag	NARSTO Data Qualification Flag Description	Process Point	Flag Category	Supersite Detailed Flag	Acronym Derivation	Detailed Flag Description	CCAQS Flag Type Code	CCAQS Flag Type
V2	Valid estimated value	Data Analysis	Calculated	NCS	No Calibration Standard	Estimated Value, No Calibration Standard	V2	Valid estimated value
V2	Valid estimated value	Data Analysis	Calculated	OLP	Outside Limit of Precision	Estimated Value, Outside Limit of Precision	V2	Valid estimated value
V3	Valid interpolated value	Data Analysis	Calculated	ITV	InTerpolated Value	Interpolated Value	V2	Valid estimated value
V2	Valid estimated value	Field	QC	AOR	Above Operating Range	Operating Range, Greater than	V2	Valid estimated value
V2	Valid estimated value	Field	QC	BOR	Below Operating Range	Operating Range, Less than	V2	Valid estimated value
V2	Valid estimated value	Field	QC	MOL	Mass Outside Limits	Fraction of Total Mass, Out of Acceptable Limits	V2	Valid estimated value
V2	Valid estimated value	Field/Lab	Analysis	ALM	ALternate Method	Alternate Method	V2	Valid estimated value
V2	Valid estimated value	Field/Lab	QC	OOR	Outside Operating Range	Operating Range, Not within	V2	Valid estimated value
V2	Valid estimated value	Lab	Analysis	RSL	ReSLoped	Resloped	V1	Valid value but comprised wholly or partially of below-MDL data
V2	Valid estimated value	Lab	Analysis	VNC	Value Not Confirmed	Value Not Confirmed	V2	Valid estimated value
V4	Valid value despite failing to meet some QC or statistical criteria	Data Analysis	Calculated	UHA	Unacceptable Hourly Average	Time Period Average with less than 75% of possible data points	S	Suspect value
V5	Valid value but qualified because of possible contamination	Field	Procedure	WRC	Weather Related Contamination	Weather Related Contamination	S	Suspect value
V6	Valid value but qualified due to non-standard sampling conditions	Field	Procedure	WTO	Wrong Times/Oversampled	Wrong Times, Oversampled	S	Suspect value
V6	Valid value but qualified due to non-standard sampling conditions	Field	Procedure	WTU	Wrong Times/Undersampled	Wrong Times, Undersampled	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field	QC	FDF	Field Duplicated Failed	Field Duplicate, Failed	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field	QC	FRS	Flow Rate Suspect	Flow Rate, Problem or Suspect	S	Suspect value

NARSTO Data Flag	NARSTO Data Qualification Flag Description	Process Point	Flag Category	Supersite Detailed Flag	Acronym Derivation	Detailed Flag Description	CCAQS Flag Type Code	CCAQS Flag Type
V4	Valid value despite failing to meet some QC or statistical criteria	Field	QC	**VSF**	**V**erification **S**olution **F**ailed	Lab Calibration Verification Solution, Failed	S	Suspect value
V5	Valid value but qualified because of possible contamination	Field/Lab	Procedure	**SCN**	**S**uspected **C**ontaminatio**N**	Suspected Contamination, Lab Analysis or Field	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field/Lab	QC	**BSF**	**B**lank **S**ample **F**ailed	Blank Sample, Failed	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field/Lab	QC	**CSF**	**C**alibration **S**ample **F**ailed	Calibration Sample, Failed	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field/Lab	QC	**DCF**	**D**rift **C**heck **F**ailed	Drift Check, Failed	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field/Lab	QC	**ISF**	**I**nternal **S**tandard **F**ailed	Internal Standard, Failed	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field/Lab	QC	**LBH**	**L**ikely **B**iased **H**igh	Likely Biased High	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field/Lab	QC	**LBL**	**L**ikely **B**iased **L**ow	Likely Biased Low	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field/Lab	QC	**LCF**	**L**inearity **C**heck **F**ailed	Linearity Check, Failed	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field/Lab	QC	**PCF**	**P**erformance **C**heck **F**ailed	Performance Check, Failed	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field/Lab	QC	**RMD**	**R**eplicate **M**easurements **D**isagree	Replicate Measurements Disagree	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field/Lab	QC	**RMF**	**R**eference **M**aterial **F**ailed	Reference Material, Failed	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Field/Lab	QC	**RMI**	**R**eference **M**easurement **I**nconsistent	Reference Method Measurement, Inconsistent	S	Suspect value

NARSTO Data Flag	NARSTO Data Qualification Flag Description	Process Point	Flag Category	Supersite Detailed Flag	Acronym Derivation	Detailed Flag Description	CCAQS Flag Type Code	CCAQS Flag Type
V4	Valid value despite failing to meet some QC or statistical criteria	Field/Lab	QC	**SRF**	**S**tandard **R**eference **F**ailed	Standard Reference Material, Failed	S	Suspect value
V6	Valid value but qualified due to non-standard sampling conditions	Field/Lab	Sampling	**PSO**	**P**artial **S**ample **O**verloaded	Partial Sample, Due to Overload	S	Suspect value
V6	Valid value but qualified due to non-standard sampling conditions	Handling	Procedure	**COC**	**C**hain **O**f **C**ustody	Chain-of-Custody Evidence Trail Broken or Lost	S	Suspect value
V6	Valid value but qualified due to non-standard sampling conditions	Handling	Procedure	**DNL**	**D**amaged/**N**ot **L**ost	Sample Container Damaged, No Sample Lost	S	Suspect value
V6	Valid value but qualified due to non-standard sampling conditions	Handling	Procedure	**DSL**	**D**amaged/**S**ample **L**ost	Sample Container Damaged, Sample Lost	S	Suspect value
V6	Valid value but qualified due to non-standard sampling conditions	Handling	Procedure	**EHT**	**E**xceeded **H**olding **T**ime	Exceeded Holding Time	S	Suspect value
V6	Valid value but qualified due to non-standard sampling conditions	Handling	Procedure	**ISP**	**I**mproper **S**ample **P**reservation	Improper Sample Preservation	S	Suspect value
V6	Valid value but qualified due to non-standard sampling conditions	Lab	Procedure	**ILG**	**Il**legible/**G**uess	Illegible Paperwork or Mislabeled, Made Guess	S	Suspect value
V4	Valid value despite failing to meet some QC or statistical criteria	Lab	QC	**LDF**	**L**ab **D**uplicate **F**ailed	Lab Duplicate, Failed	S	Suspect value

NARSTO Data Flag	NARSTO Data Qualification Flag Description	Process Point	Flag Category	Supersite Detailed Flag	Acronym Derivation	Detailed Flag Description	CCAQS Flag Type Code	CCAQS Flag Type
M1	Missing value because no value is available	Data Analysis	Analysis	ANC	**AN**alysis **C**ancelled	No Result Reported, Analysis Canceled	M	Missing value
M1	Missing value because no value is available	Data Analysis	Analysis	NAL	**N**ot **A**nalyzed/**L**isted	Compound Not Analyzed but Compound Listed	M	Missing value
M1	Missing value because no value is available	Data Analysis	QC	NRI	**N**othing **R**eported - **I**nterference	No Result Reported, Interference	M	Missing value
M1	Missing value because no value is available	Field	Instrument	OEL	**O**perator **E**rror **L**oading	Sample Loading, Operator Error	M	Missing value
M1	Missing value because no value is available	Field	Instrument	SAM	**SA**mpler **M**alfunction	Sampler Malfunction	M	Missing value
M1	Missing value because no value is available	Field	Instrument	SAU	**S**ite **A**ccess **U**navailable	Site Access, Unavailable	M	Missing value
M1	Missing value because no value is available	Field	Instrument	SHP	**SH**ipment **P**roblems	Shipment Problems	M	Missing value
M1	Missing value because no value is available	Field	Instrument	SIS	**S**afety **I**ssue**S**	Safety Issues	M	Missing value
M1	Missing value because no value is available	Field	Instrument	SNA	**S**ampler **N**ot **A**ctivated	Sampler Not Activated	M	Missing value
M1	Missing value because no value is available	Field	Procedure	EER	**E**ntry **E**rro**R**	No Result Reported, Entry Error	M	Missing value
M1	Missing value because no value is available	Field	Procedure	FAC	**F**ield **AC**cident	No Result Reported, Field Accident	M	Missing value
M1	Missing value because no value is available	Field	Procedure	WDY	**W**rong **D**a**Y**	Wrong Day	M	Missing value
M1	Missing value because no value is available	Field/Lab	Instrument	INF	**IN**strument **F**ailure	Instrument Failure	M	Missing value
M1	Missing value because no value is available	Field/Lab	Instrument	NSQ	**N**ot **S**ufficient **Q**uantity	No Result Reported, Insufficient Quantity of Sample	M	Missing value
M1	Missing value because no value is available	Field/Lab	Instrument	VAN	**VAN**dalism	Vandalism	M	Missing value
M1	Missing value because no value is available	Field/Lab	Procedure	ILP	**I**llegible **L**abel **P**aperwork	Illegible Label or Paperwork	M	Missing value
M1	Missing value because no value is available	Field/Lab	Procedure	ZME	**Z**ero **M**od**E**	Zero Mode	M	Missing value

NARSTO Data Flag	NARSTO Data Qualification Flag Description	Process Point	Flag Category	Supersite Detailed Flag	Acronym Derivation	Detailed Flag Description	CCAQS Flag Type Code	CCAQS Flag Type
M2	Missing value because invalidated by Data Originator	Data Analysis	QC	**OSR**	**O**ff-**S**cale **R**eading	Off-Scale Reading	I	Invalid value
M2	Missing value because invalidated by Data Originator	Data Analysis	QC	**VCH**	**V**alue **C**hange **H**igh	Value Change Too High, Above Physical Limit	I	Invalid value
M2	Missing value because invalidated by Data Originator	Data Analysis	QC	**VTH**	**V**alue **T**oo **H**igh	Value Too High, Above Physical Limit	I	Invalid value
M2	Missing value because invalidated by Data Originator	Field	Instrument	**EMM**	**E**lectrical or **M**echnical **M**alfunction	Problem, Electrical or Mechanical Malfunction	I	Invalid value
M2	Missing value because invalidated by Data Originator	Field	Instrument	**IAS**	**I**nvalid **A**ir **S**ample	Invalid, Air Sample	I	Invalid value
M2	Missing value because invalidated by Data Originator	Field	Procedure	**CSU**	**C**ontamination **S**ource **U**nknown	Known Contamination, Source Unknown	I	Invalid value
M2	Missing value because invalidated by Data Originator	Field	Procedure	**WFR**	**W**rong **F**ilte**R**	Wrong Filter	I	Invalid value
M2	Missing value because invalidated by Data Originator	Field	Sampling	**NRE**	**N**ot **R**epresentativ**E**	Not Representative	I	Invalid value
M2	Missing value because invalidated by Data Originator	Field/Lab	Calibration	**CFB**	**C**orrection **F**actor **B**lank	Correction Factor, Blank	I	Invalid value
M2	Missing value because invalidated by Data Originator	Field/Lab	QC	**QSF**	**Q**C **S**amples **F**ailed	Multiple QC Samples, Failed	I	Invalid value