Blank Sample Type Codes

Sample Replicate Type	DESCRIPTION
EB	EQUIPMENT AND FILTRATION BLANK (7/09/12)
FB	FIELD FILTRATION BLANK (4/09/12)
FB	FIELD BLANK (3/14/14)
SWB	SOURCE WATER BLANK

These codes were based on *Tidal* field and equipment blanks.

Changing FB description to accommodate *Nontidal* FB definition where the sampler bottle is rinsed with blank water.

Tidal FBs are still defined as passing through filtration equip.

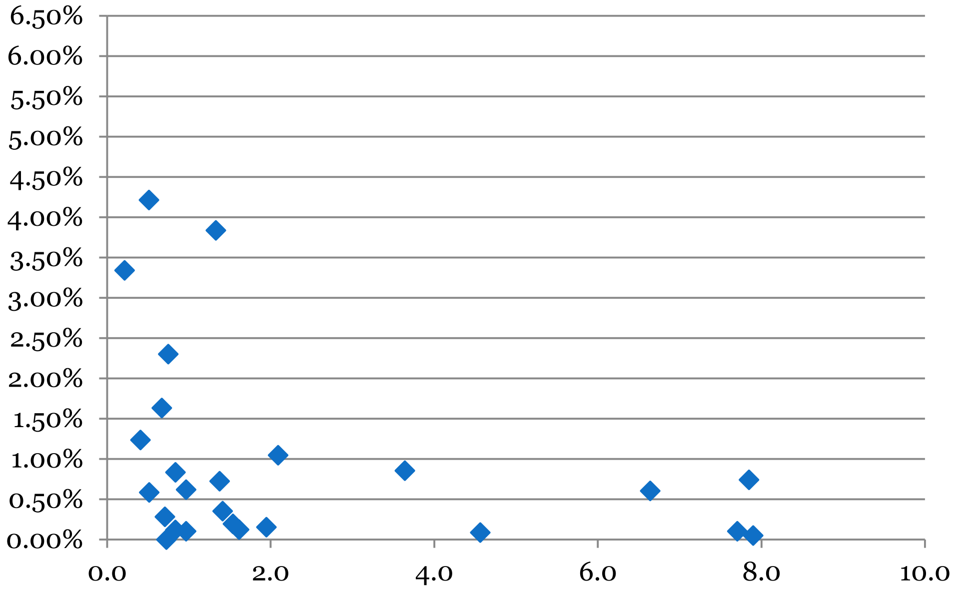
Consistency Problem Codes

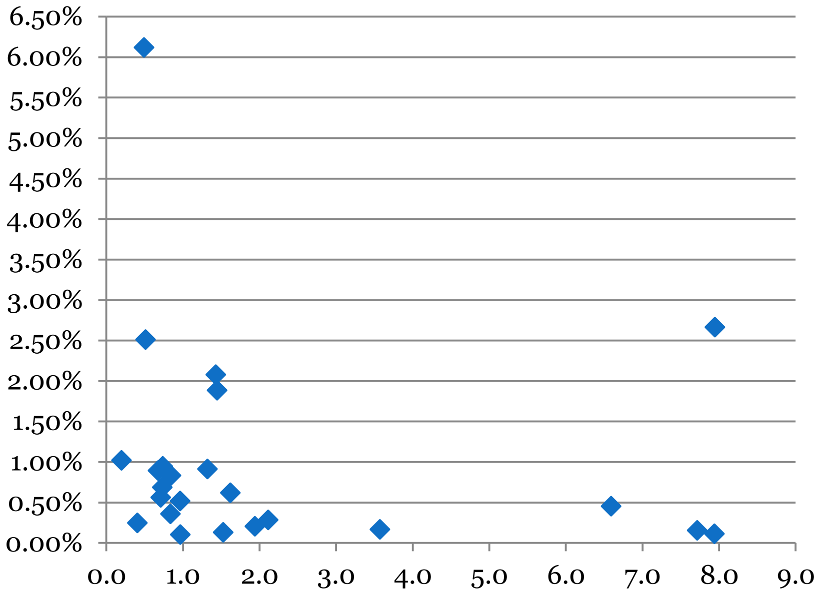
PROBLEM	DESCRIPTION
QQ	PART EXCEEDS WHOLE VALUE YET DIFFERENCE IS WITHIN ANALYTICAL PRECISION (PQL or REPORTING LIMIT)
NQ	PART EXCEEDS WHOLE VALUE AND DIFFERENCE IS **NOT** WITHIN ANALYTICAL PRECISION
IQ	CANNOT DETERMINE IF PART EXCEEDS WHOLE VALUE AND WHETHER OR NOT DIFFERENCE IS WITHIN ANALYTICAL PRECISION
NV	NEGATIVE CALCULATED VALUE IS VALID GIVEN PRECISION OF MEASURED WATER QUALITY PARAMETERS; ACTUAL CALCULATED CONCENTRATION LIKELY IS LOW; POSSIBLY LESS THAN PQLS OF MEASURED WATER QUALITY PARAMETERS

EXCEPTION: Report all “NQ” Duplicate Sample data, regardless of consistency check results.

Consistency Check Problem

- NO23F > NO23W
  - The NY laboratory RL is 0.002 mg/L
  - Filtered NO23 was greater than unfiltered ~75% of time.
  - Clearly the RL isn't a good estimate of analytical variability
  - Need something better, suggested ± 10%


NO23 F vs. Rel % Diff. of Dups


NO23 W vs. RPD Dups

Submitting QC Sample Results to DUET

- WQ_DATA Table
  - Field Duplicates: FS1/FS2 and S1/S2
  - Field Blanks (FBs)
    - Submit values <MDL and <Reporting Limit
    - Values to at least 3 figures, even if insignificant
- WQ_QAQC Table
  - Source Water Blanks (SWBs)
  - Equipment Blanks (EBs)
- WQ_DATA_BMDL Table
  - Field Duplicate Numerical Results <MDL