Magruder
Data Reporting Website

Proposals: Reporting Limits.
"Save" button removal.

DRW Data Input Screen

Check Sample Program – Data Reporting

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Sample Data Submission

2018 Regular Check Sample Program
180111 – Sec & Micro
Due Date: 2/15/2018

Lab #: 9999

Note: You have not entered any data for this sample yet. The following rows were loaded from your list of default analytes/methods.

Analyte, Method Description	Method Code	Result 1	Result 2	Units	Method References	Status	Options
Acid Soluble Boron , Spectrophotometric	165.00			%	982.01	New	DELETE ROW

☐ Replace your default analytes/methods for this program with the analytes/methods in the table above.

[ADD NEW ROW]   [SAVE]   [SUBMIT]

Proposal:

Add the capability to record a detection limit using the "<" less-than sign.

Data Reporting Website (DRW) Data Entry

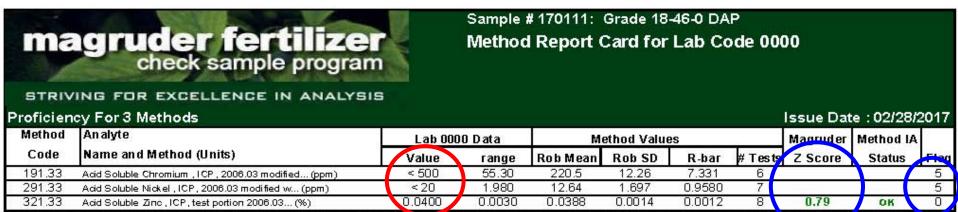| Analyte, Method Description	Method Code	Result 1	Result 2
Acid Soluble Boron , Spectrophotometric	165.00	<0.005	<0.005

After selecting your method code:

- Type in a "<" less-than sign.
- Then immediately type in your detection limit.
- And don't forget to record Result 2!

- Record limits in the same units!

Units
%

Here Is How it Might Look in a Report Card.

magruder fertilizer check sample program

STRIVING FOR EXCELLENCE IN ANALYSIS

Sample # 170111: Grade 18-46-0 DAP
Method Report Card for Lab Code 0000

Proficiency For 3 Methods   Issue Date : 02/28/2017

Method Code	Analyte Name and Method (Units)	Lab 0000 Data		Method Values				Magruder	Method IA	
		Value	range	Rob Mean	Rob SD	R-bar	# Tests	Z Score	Status	Flag
191.33	Acid Soluble Chromium , ICP , 2006.03 modified... (ppm)	< 500	55.30	220.5	12.26	7.331	6			5
291.33	Acid Soluble Nickel , ICP , 2006.03 modified w... (ppm)	< 20	1.980	12.64	1.697	0.9580	7			5
321.33	Acid Soluble Zinc , ICP , test portion 2006.03... (%)	0.0400	0.0030	0.0388	0.0014	0.0012	8	0.79	OK	0

Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = rejected for duplicates too far apart, 2 = rejected as extreme outlier and a 4 flag indicates rejected due to 0 value/s submitted. Robust statistics not used if < 6 labs used in calculations, in this case the Z Scores are included for information only (Grey). Method or Analyte codes in light green indicate a guaranteed analyte. Individual lab values may be below detection limits but are reported solely for the purpose of this Proficiency Testing program.
IA Status describes where your result is relative to the Assigned Value ± IA. Red indicates Higher or Lower, Green indicates within the IA range.
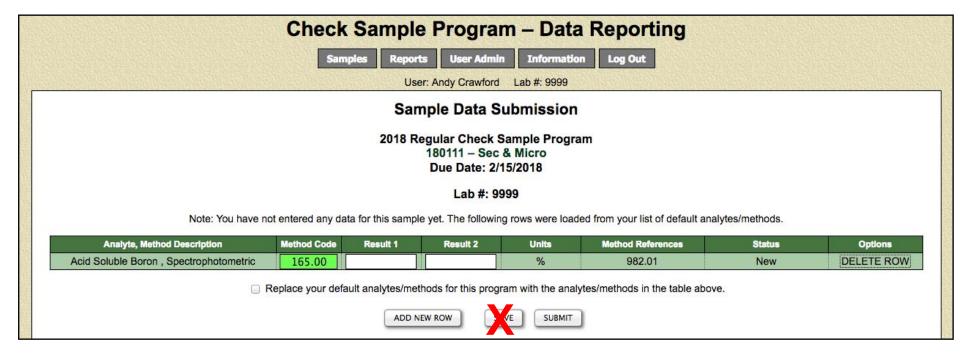
Lab 0000 Data		
Value	range	
< 500	55.30	
< 20	1.980	
0.0400	0.0030	

ue >3 or <-3 (requires action)

Magruder Z Score	Method IA Status	Flag
		5
		5
0.79	OK	0

3 (warning) and Green = Z < 2

DRW Data Input Screen

Proposal:

Remove the "SAVE" button.

Not all labs remember to "SUBMIT".

You can always resubmit up to the 15th Deadline.

Check your Submission Receipts!

Comments:

- Implement change to DRW for launch at Annual Meeting in Fort Lauderdale.

- Hopefully this will reduce the reporting of zero values and perhaps reduce single blanks.

- The reported limits will have no effect on Assigned Value and Robust SD.

- No Z Score can be calculated for censored data (aka limit).

- I would still encourage reporting values below the limit if you have an instrument reading!

- We do need to get FASS on-board.

Do You Want
To Do This?