

Participant Code replaces Lab Code.

Participant Code: WQ00000

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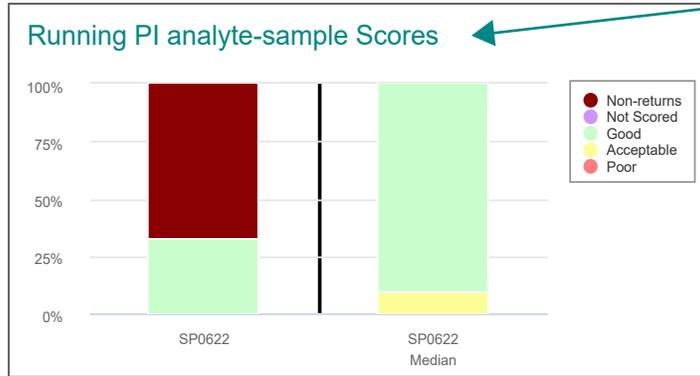
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Distribution details and report status.

Programme: **ED Toxicology** • Distribution Code: **SP0622**
Distribution Start: 30-May-2022 • Distribution End: 15-Jun-2022 • Report Issued: n/a • Report Status: n/a
Requested By: #####

Your % Poor PI (Performance Index) across all samples for all instruments, the Median All Participants % Poor PI and the 97.5th Centile % Poor PI.

This Distribution	
Your % Poor PI	0%
Median All Participant % Poor PI	0%
97.5 th Centile % Poor PI	36%



PI Ranges	
<1	Good
1-2	Acceptable
>2	Poor

The running table shows the current distribution PI scores, and ultimately the previous 5 distribution PI scores for all analytes, for your Participant Code, plus all-Participant Median performance.

The PI Scores table shows performance for all analytes and all instruments.

PI Scores	
Location	Main Lab
Instrument Name	
Instrument Serial #	AA16Y5-15
Salicylate	Good
Paracetamol	NRR
Ethanol	NRR
Overall % poor PI	0%
Overall % Non-return	67%

PI scores are converted into performance categories and colour coded.

Overall % Poor PI across all analytes for each instrument, and Overall % non return for each instrument.

Key for PI Codes.

PI Code	Meaning
N/A	Not enrolled for this analyte
NRR	Analyte enrolled but no results returned
N/S	This quantitative analyte not scored for this distribution

****** Please note ******

The NQAAP expects 100% compliance on EQA returns. If you are enrolled for an analyte and have not returned a result (denoted by NRR in your PI table), this will be treated as a poor performance score. Please let us know as soon as possible if you are no longer providing this analyte as part of your diagnostic service.

Distribution Specific Comment
There is no specific comment for this distribution.

Distribution Specific Comments from Weqas or participant.

No participant comments have been submitted for any instruments for this distribution.

Programme: ED Toxicology • **Distribution Code:** SP0622
 Distribution Start: 30-May-2022 • Distribution End: 15-Jun-2022 • Report Issued: • Report Status: n/a

Participant Code: WQ00000 • **Location:** Main Lab • **Analysed Name:** n/a • **Serial #:** #####
 Date Samples received: 30-May-2022 • Date of Analysis: 09-Jun-2022 • Operator Details: ## • Storage Conditions: 4 °C

Analyte: Salicylate • **Method:** Roche Enzymatic • **Kit:** SALI

Salicylate mg/L					
	Your reported result (mg/L)		Method: Roche Enzymatic	Instrument Model: cobas c 501	Overall
Sample 1	264.3	Mean	265.4	270.1	268.5
		SD	5.6	5.4	9.3
		Uncertainty	1.23	2.27	1.58
		n	33	9	54
Sample 2	605.8	Mean	610.9	618.6	622.8
		SD	12.2	12.8	23.6
		Uncertainty	2.66	5.32	4.01
		n	33	9	54
Sample 3	349	Mean	352.4	356.7	356.6
		SD	6.4	6.7	11.7
		Uncertainty	1.39	2.81	2.00
		n	33	9	54
Sample 4	90.7	Mean	92.7	91.8	95.1
		SD	2.2	1.9	4.8
		Uncertainty	0.48	0.77	0.82
		n	33	9	54

'Your reported result' will be shown in the units entered, in the Weqas standard units if units entered are different from the Weqas standard units, and method corrected (if appropriate for the analyte).

Target Value: This will show whether you have been scored against Reference Value, Method Mean or Overall Mean.

Weqas TAE: This is the Total Allowable Error (2 x Weqas SD).

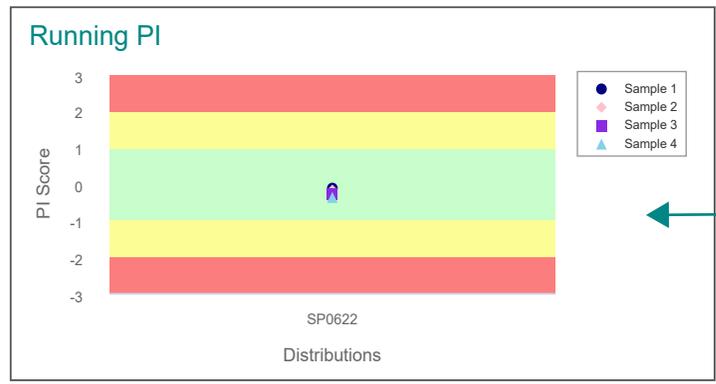
PI (Performance Index) score is shown for each sample.

$$PI = \frac{\text{Reported Result} - \text{Target Value}}{(\text{Weqas TAE} / 2)}$$

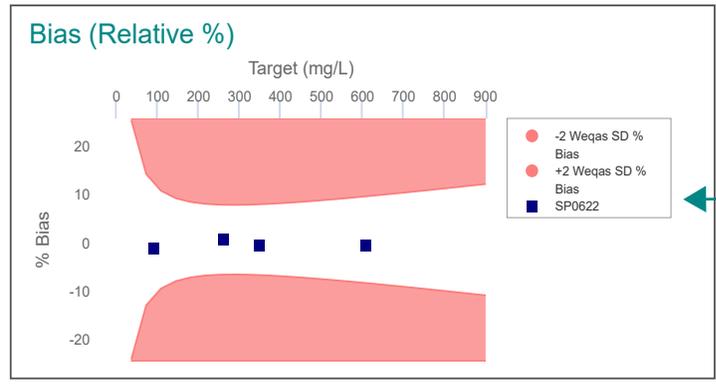
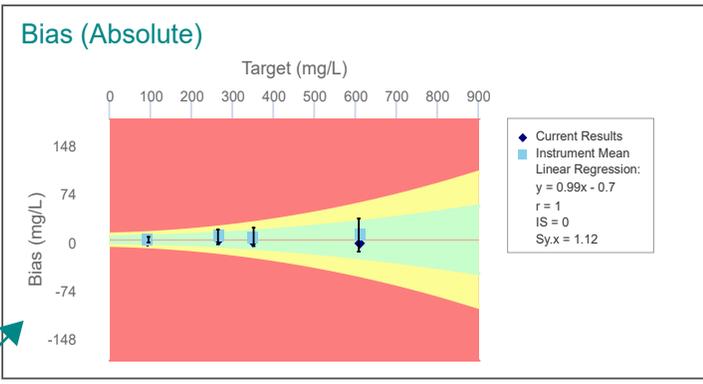
Overall performance category is assigned using an algorithm based on the individual sample PIs.

The Bias (Absolute) Plot shows absolute bias in Weqas standard units for each sample for the current distribution. The x-axis is the target value; if the target value is a Reference Value or the Overall Mean, your Method Means will be plotted.

Scoring					
Sample	1	2	3	4	Overall Performance
Target: (Method Mean)	265.4	610.9	352.4	92.7	
Weqas TAE	19.1	54.7	25.8	10.4	
PI	-0.12	-0.19	-0.26	-0.39	Good



Running PI chart shows the PI score for each sample for the current distribution and the last 5 distributions, with colour coding for each performance category.



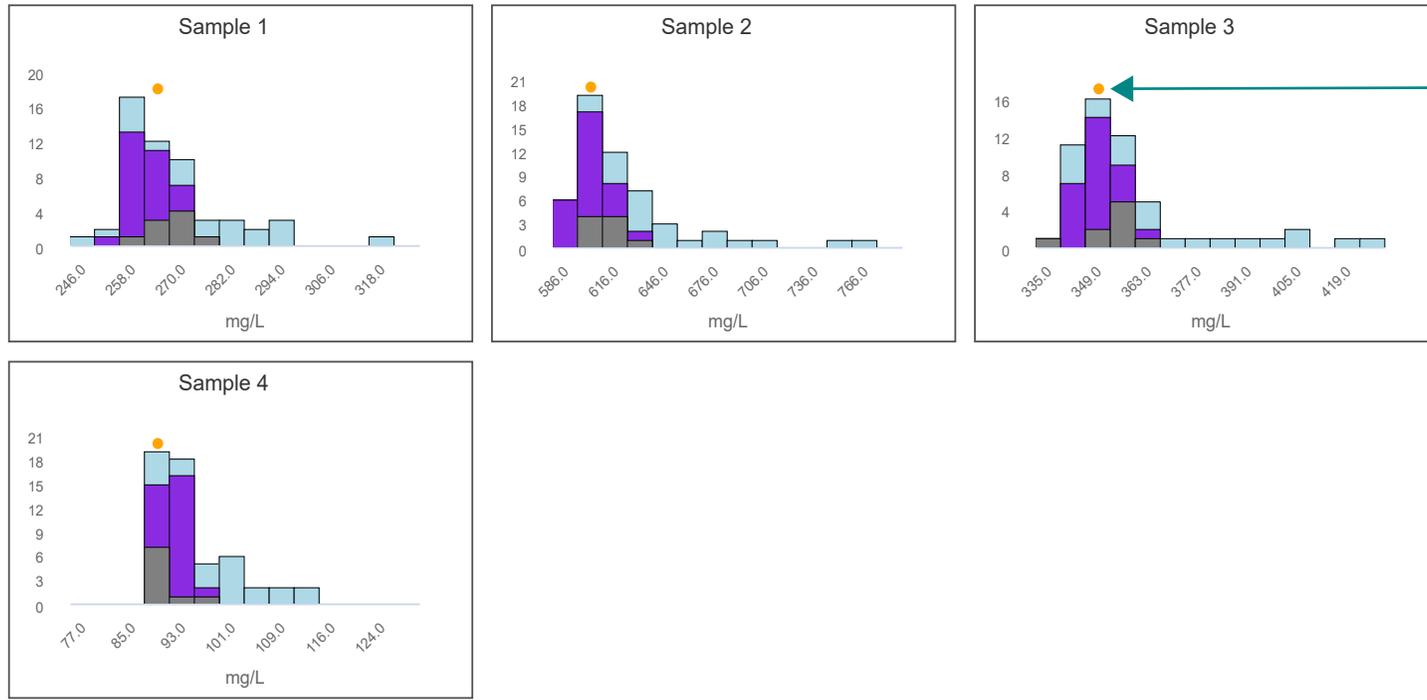
The Bias (Relative) Plot show the relative (%) bias to the target for the current results, and for the previous 5 distributions.

Precision	
This distribution: SP0622	
Sy.x	1.12
IS	0

Sy,x is the average deviation from the best fit line and is an index of scatter.

IS Score	Interpretation
0 to 10	Good
11 to 150	Acceptable to Warning level
> 150	Unacceptable (incl. Curvilinear Data)

The histogram shows breakdown of results for each sample, showing the spread of results for All Results, 'My Method' and 'My Instrument'.



The orange dot shows where your result lies.

The Method Summary shows Mean and CV for each Method for each sample.

SP0622	Sample 1		Sample 2		Sample 3		Sample 4	
Method Name	Mean	CV%	Mean	CV%	Mean	CV%	Mean	CV%
Abbott Enzymatic (n=4)	275.8	0.6	634.0	3.0	365.3	2.3	98.5	3.8
Beckman EMIT (n=9)	271.9	7.1	659.9	10.1	371.3	10.1	98.8	6.5
CLS Enzymatic (n=1)	264.6	0.0	635.8	0.0	357.9	0.0	93.8	0.0
Roche Enzymatic (n=33)	265.4	2.1	610.9	2.0	352.4	1.8	92.7	2.4
Siemens EMIT (n=2)	262.0	0.6	646.5	1.1	355.5	6.1	95.0	10.1
Siemens Enzymatic (n=5)	295.4	3.4	686.0	4.2	396.8	4.4	110.6	4.9

There are no Weqas or Participant supplied comments for Salicylate for this distribution.

Any analyte specific comments from Weqas or the participant are shown.