



**Asia-Pacific
Economic Cooperation**

2017/SOM2/SCSC/WRF/021

2017 Ring Test Results

Submitted by: Australian Wine Research Institute



**7th Wine Regulatory Forum
Ha Noi, Viet Nam
11-12 May 2017**



2017 Ring Test Results

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Ring Test Program

- The program is an opportunity for laboratories from different economies to compare the results for typical wine analysis between different laboratories.
- As part of a larger wine proficiency testing program it also allows economies to compare their laboratories results to those typically achieved for the wine tested.
- This year there are 23 nominated laboratories from 14 different economies.
- There are still significant difficulties being encountered shipping wine samples to a number of economies which will need resolution going forward.

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Participants

Economy	Labs	Samples delivered	Results Submitted
Australia	x2	yes	yes
New Zealand	x2	yes	yes
Russia	x2	no	-
Hong Kong	x1	yes	no
Indonesia	x2	1 of 2	yes
Vietnam	x2	yes	yes
PNG	x2	yes	no
Chile	x1	no	-
USA	x2	yes	yes
Japan	x1	yes	yes
China	x2	yes	no
Peru	x2	no	-
Mexico	x1	yes	Next round
Argentina (SF)	x1	no	-

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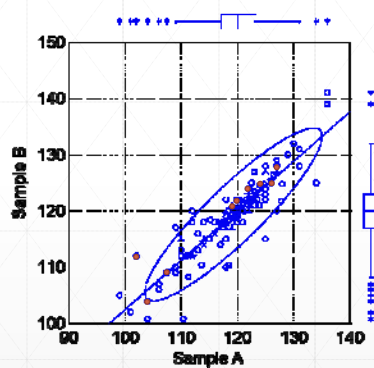
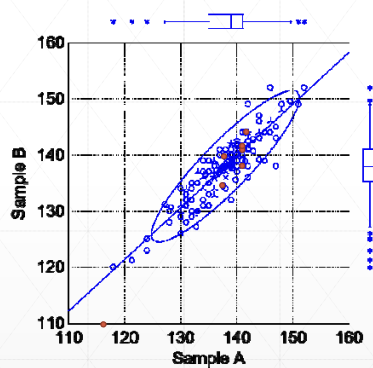
This years program

- For 2017 the APEC ring test program was fully integrated into the Interwinery Analysis Group Proficiency program.
- This is a large wine specific program with over 200 participating laboratories.
- It consists of 6 separate rounds of testing, 2 red wines, 2 white wine and 2 rose wine rounds.
- Laboratories can submit analytical results for any of the common wine analysis that is done.
- All data is entered online and collated anonymously.
- Within 2 weeks of the closure of each testing window an online report is available.
- Currently only the first 2 rounds of testing have been completed.

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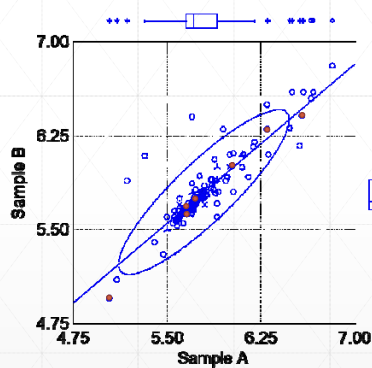
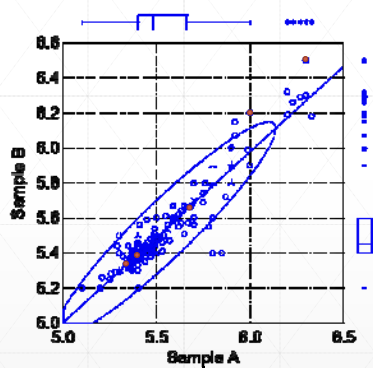
Total Sulfur Dioxide



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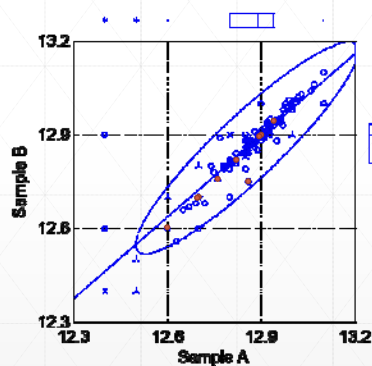
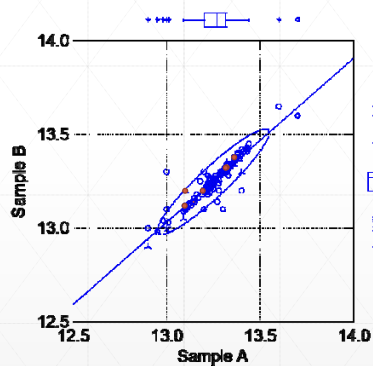
Titrateable Acidity pH 8.2



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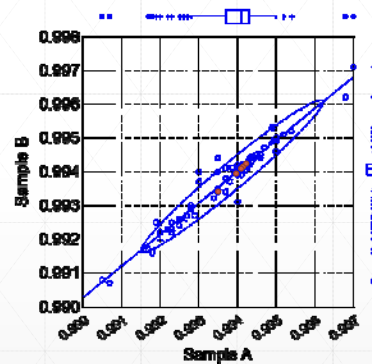
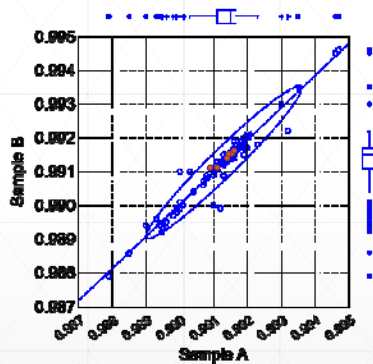
Alcohol



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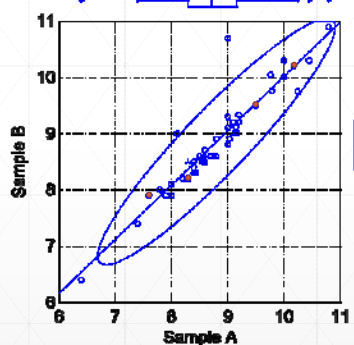
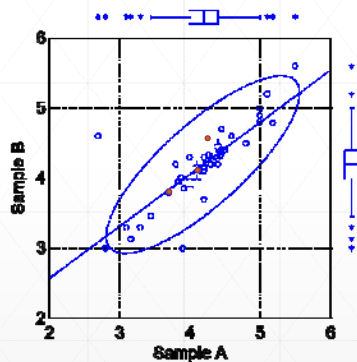
Specific Gravity



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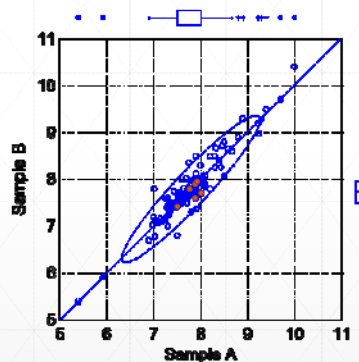
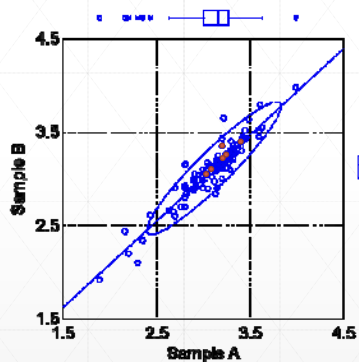
Reducing Sugar



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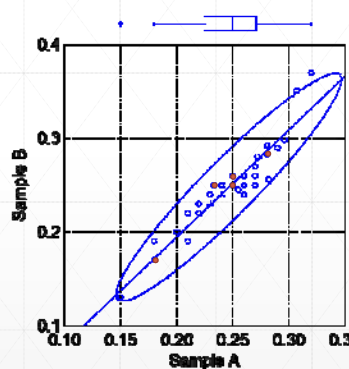
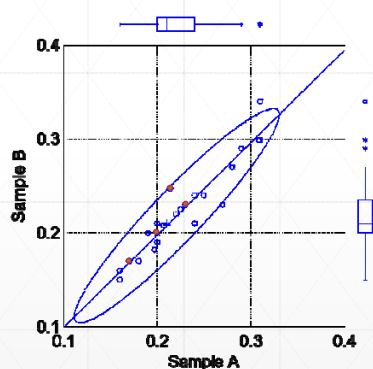
Glucose + Fructose



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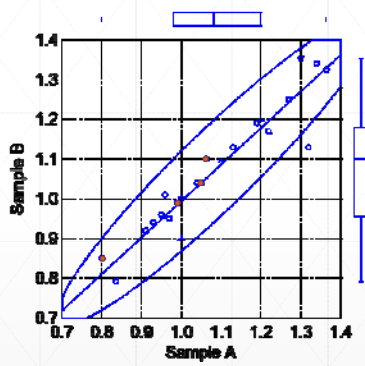
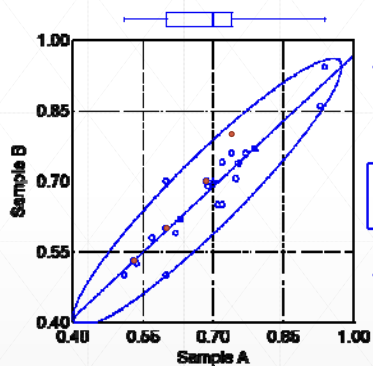
Copper



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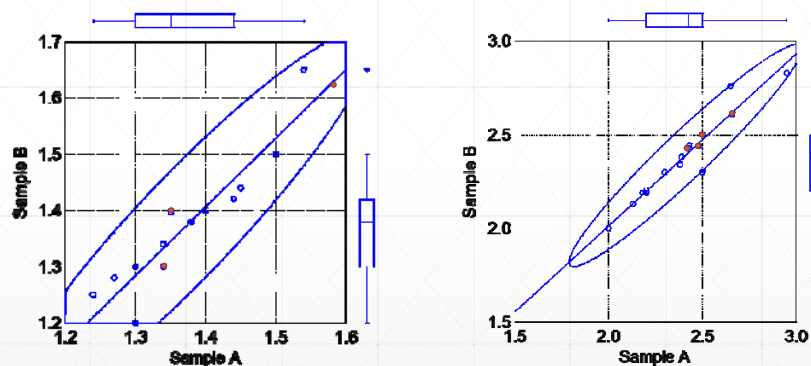
Iron



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Manganese



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Results to date

- There have been significant improvements in laboratories performance compared to previous rounds.
- Still however significant outliers demonstrating the need to continue the program.
- It is significant that laboratories which have participated in the wine program long term are performing more consistently than those new to wine ring testing.
- The impact of different analytical methods being used is apparent and leads to varied results between laboratories.
- Also need to increase the participation rate going forward.

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Program going forward

- Completion of the next 4 rounds of testing.
- The provision of a consolidated report for participants and WRF members.
- A series of 3 virtual workshops to allow participants to discuss results and ways to improve laboratory performance.
- A discussion on the value of the program and means to continue it forward post 2018.