Collaborative Testing Services, Inc.

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This document is an example of the Individual Reports sent to participants in the CTS Rubber Interlaboratory Program. You can view the Summary Reports of all participant's data on the collaborative-testing.com website.

Wine Industry Interlaboratory Program Performance Analysis Report

Cycle # 052, Spring 2016

Prepared for : Any Company

Participant Code: U****A

Samples Tested

SA03: White Zinfandel
SA04: White Zinfandel

Need Help?

For guidance on interpreting this report, or assistance with interpreting the statistics and terms used in the report, please refer to the CTS Help Guides located in the Wine section of our website www.collaborativetesting.com. As always, you may contact the Program Analyst for assistance with any aspect of the program.

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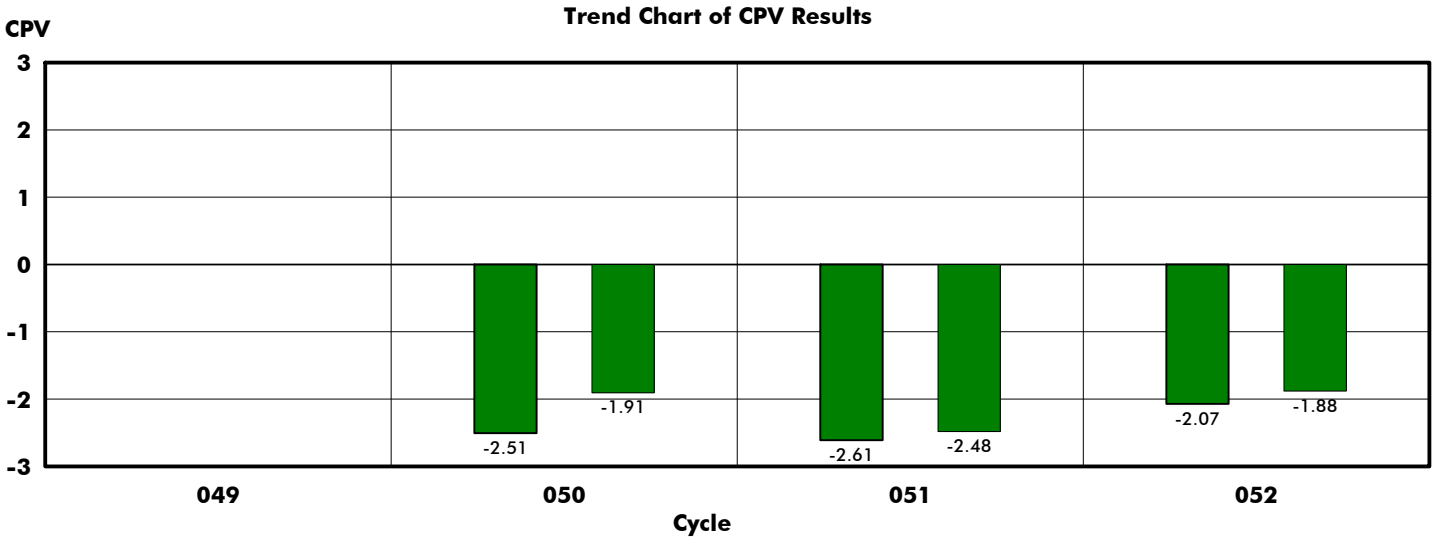
Performance Analysis Report - Trend Chart
Analysis #901: Ethanol
Data in units of percent

Lab Code: U**A**



A maximum of 4 test cycles are printed on this page, reflecting up to 18 months of testing. If there are fewer sets of bars than the maximum and the laboratory was enrolled for all cycles, then one of the following situations occured: lab did not submit data for a particular test/testing cycle or the data sheets were received late.

WebCode	Test Cycle	Sample Code & Wine	(Lab Mean	-	Grand Mean)	÷ Btwn Lab Std Dev	= CPV		Data Flag	
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	No data reported for this sample. No data reported for this sample.							
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	13.24 13.67		13.423 13.810	0.074 0.075	-2.51 -1.91	*		68 of 73 labs included
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	12.40 12.40		12.561 12.571	0.062 0.069	-2.61 -2.48	*		69 of 75 labs included
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	8.500 8.500		8.6137 8.6022	0.0549 0.0543	-2.07 -1.88			74 of 88 labs included

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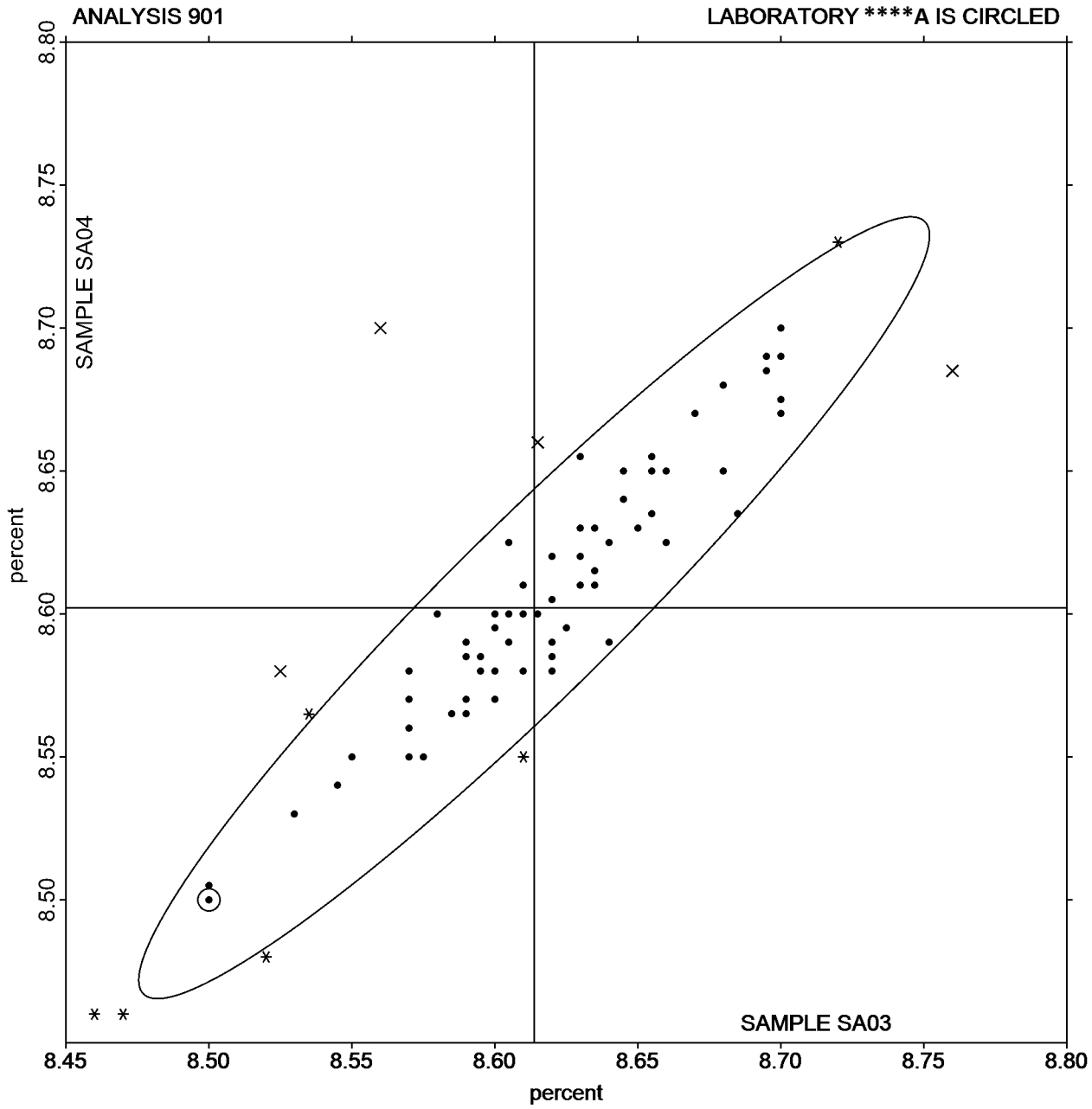

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ		8.500	-0.114	-2.07	8.500	-0.102	-1.88

Consensus Results (all laboratories)		
Grand Means	8.6137percent	8.6022percent
Btwn Lab Standard Deviation	0.0549percent	0.0543percent

Consensus statistics based on 74 of 88 reporting participants

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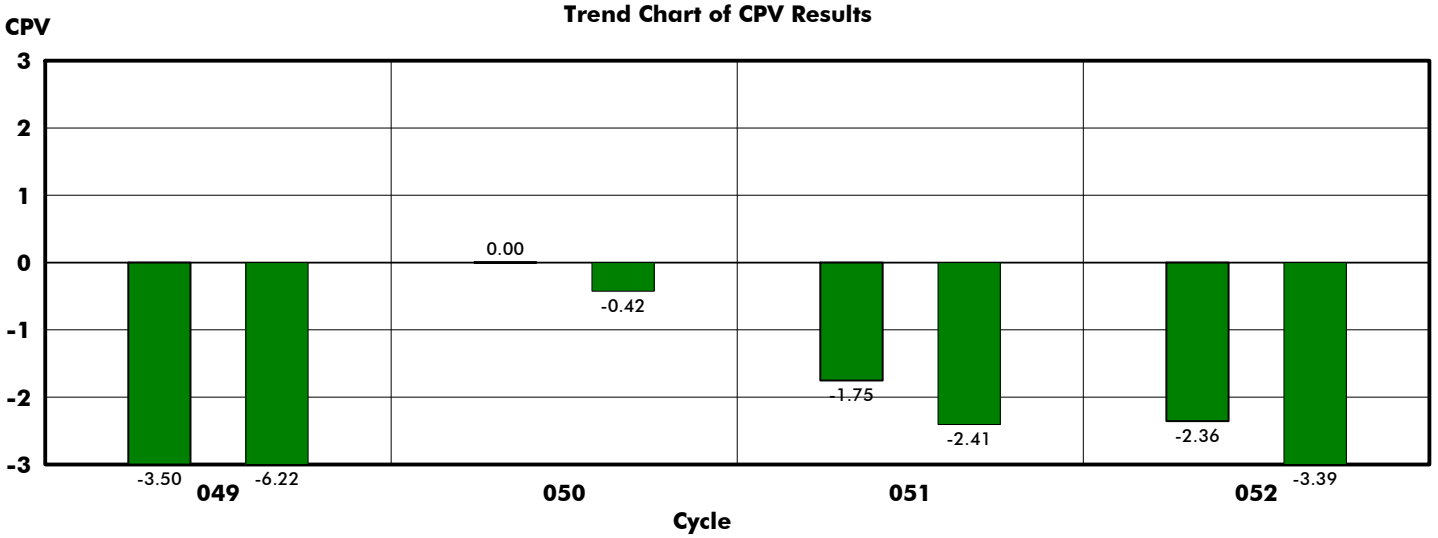
Performance Analysis Report - Trend Chart
Analysis #902: Total Sulfur Dioxide
Data in units of mg/L

Lab Code: U**A**



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WebCode	Test Cycle	Sample Code & Wine	(Lab Mean	- Grand Mean)	÷ Btwn Lab Std Dev	= CPV		Data Flag
9ABCD	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	131.5 97.00	170.06 173.471	11.01 12.291	**-3.50** **-6.22**	X	63 of 68 labs included
		Analyst Comment: Data for both samples are low. Also inconsistent in testing within the determinations for both samples.						
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	51.00 47.50	50.989 50.414	6.808 6.858	**0.00** **-0.42**		67 of 73 labs included
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	79.50 79.50	91.967 97.429	7.117 7.454	**-1.75** **-2.41**		73 of 76 labs included
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	126.0 118.5	146.79 150.40	8.82 9.42	**-2.36** **-3.39**	X	78 of 83 labs included

Action Item! Your performance for this cycle was assigned an X Data Flag.

Analyst Comment: Inconsistent in testing between samples, data for Sample SA04 are low.

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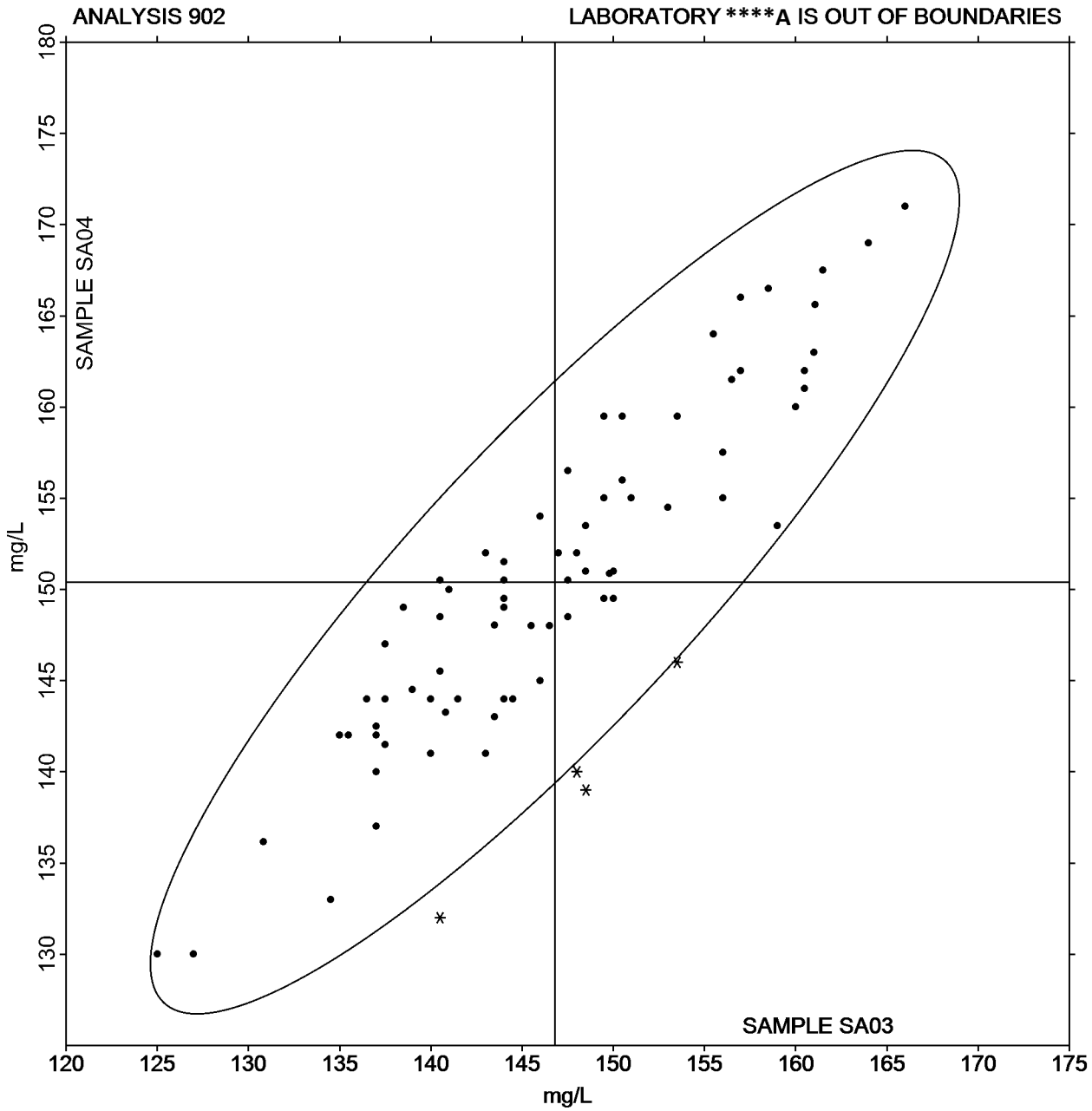

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ	X	126.0	-20.8	-2.36	118.5	-31.9	-3.39

Consensus Results (all laboratories)		
Grand Means	146.79mg/L	150.40mg/L
Btwn Lab Standard Deviation	8.82mg/L	9.42mg/L

Consensus statistics based on 78 of 83 reporting participants

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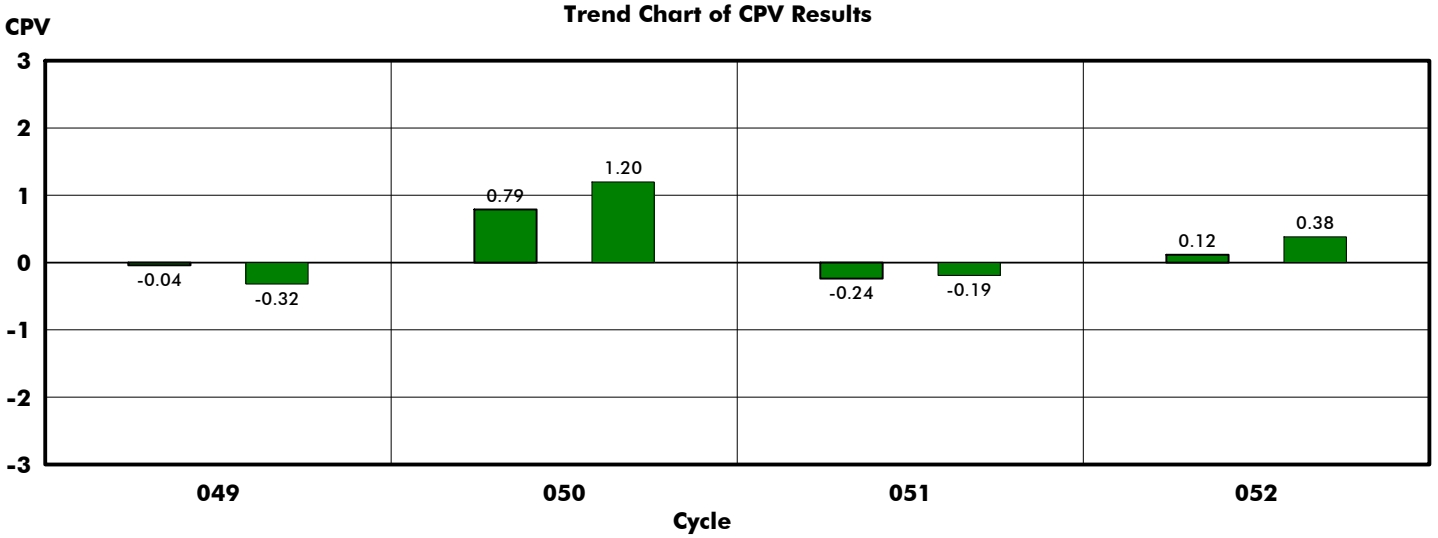
Performance Analysis Report - Trend Chart
Analysis #903: Free Sulfur Dioxide
Data in units of mg/L

Lab Code: U**A**



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WebCode	Test Cycle	Sample Code & Wine	Lab Mean	Grand Mean	Btwn Lab Std Dev	CPV	Data Flag
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	24.00 27.00	24.172 28.427	4.358 4.466	-0.04 -0.32	64 of 69 labs included
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	22.50 22.50	20.675 20.033	2.312 2.059	0.79 1.20	62 of 73 labs included
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	28.50 32.00	29.160 32.665	2.776 3.496	-0.24 -0.19	75 of 77 labs included
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	21.50 24.50	21.100 23.146	3.444 3.548	0.12 0.38	78 of 83 labs included

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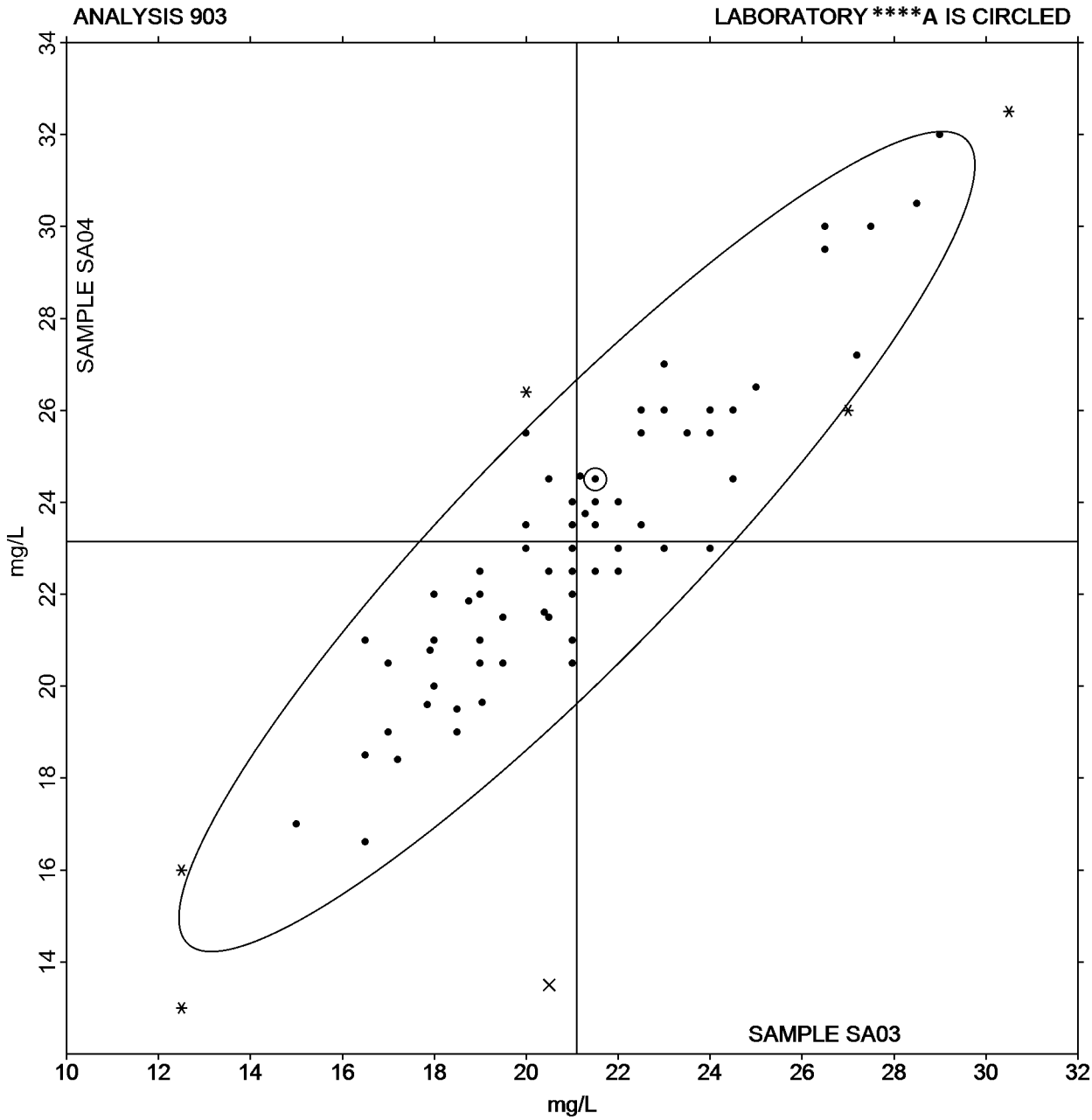

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ		21.50	0.40	0.12	24.50	1.35	0.38

Consensus Results (all laboratories)		
Grand Means	21.100mg/L	23.146mg/L
Btwn Lab Standard Deviation	3.444mg/L	3.548mg/L

Consensus statistics based on 78 of 83 reporting participants

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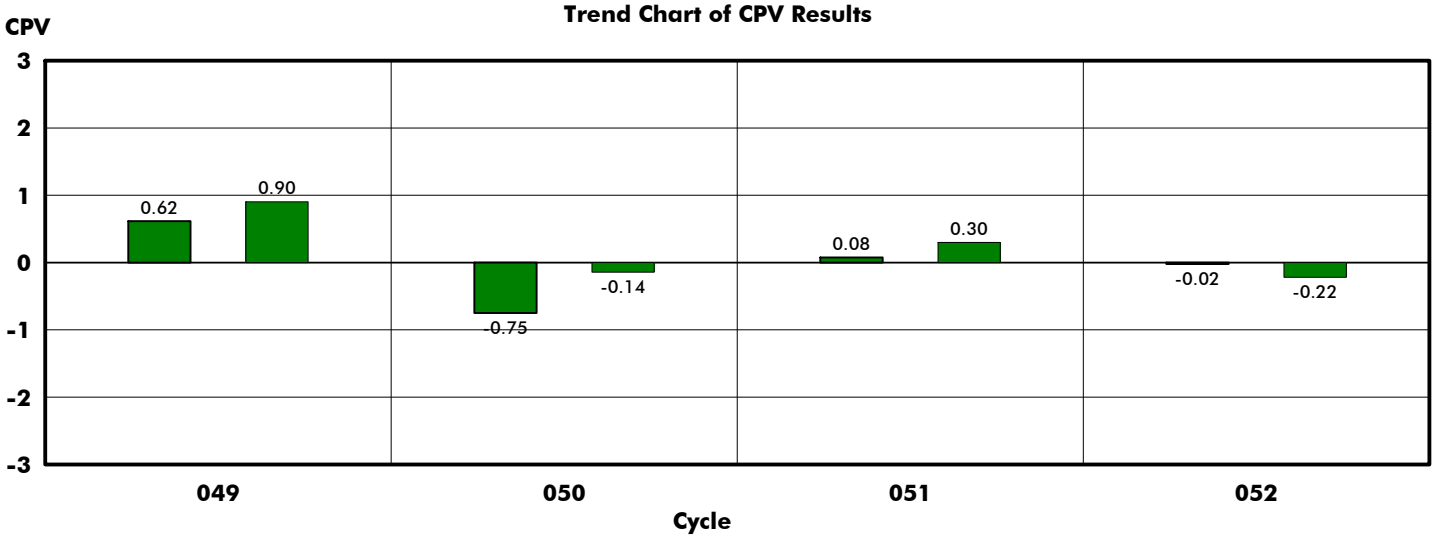
Performance Analysis Report - Trend Chart
Analysis #904: Titratable Acidity
Data in units of g/L as tartaric acid

Lab Code: U**A**



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WebCode	Test Cycle	Sample Code & Wine	Lab Mean	Grand Mean	Btwn Lab Std Dev	CPV	Data Flag
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	6.790 6.825	6.6465 6.6395	0.2333 0.2054	0.62 0.90	60 of 68 labs included
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	5.750 6.085	5.8427 6.1036	0.1235 0.1293	-0.75 -0.14	63 of 74 labs included
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	4.915 4.955	4.9047 4.9080	0.1364 0.1564	0.08 0.30	69 of 76 labs included
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	6.565 6.500	6.5739 6.5869	0.3987 0.3986	-0.02 -0.22	82 of 86 labs included

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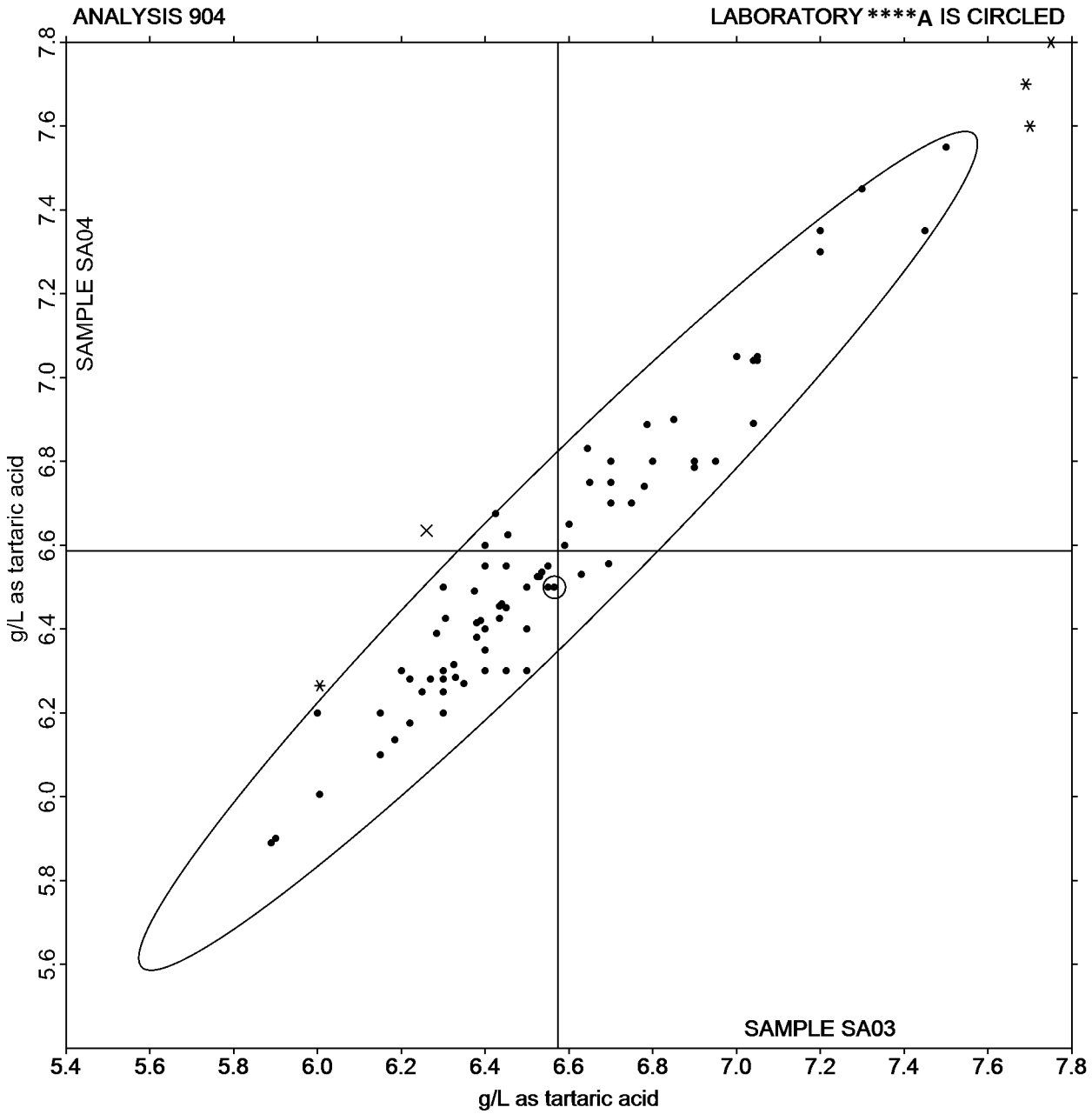

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ		6.565	-0.009	-0.02	6.500	-0.087	-0.22

Consensus Results (all laboratories)

Grand Means	6.5739g/L as tartaric acid	6.5869g/L as tartaric acid
Btwn Lab Standard Deviation	0.3987g/L as tartaric acid	0.3986g/L as tartaric acid

Consensus statistics based on 82 of 86 reporting participants

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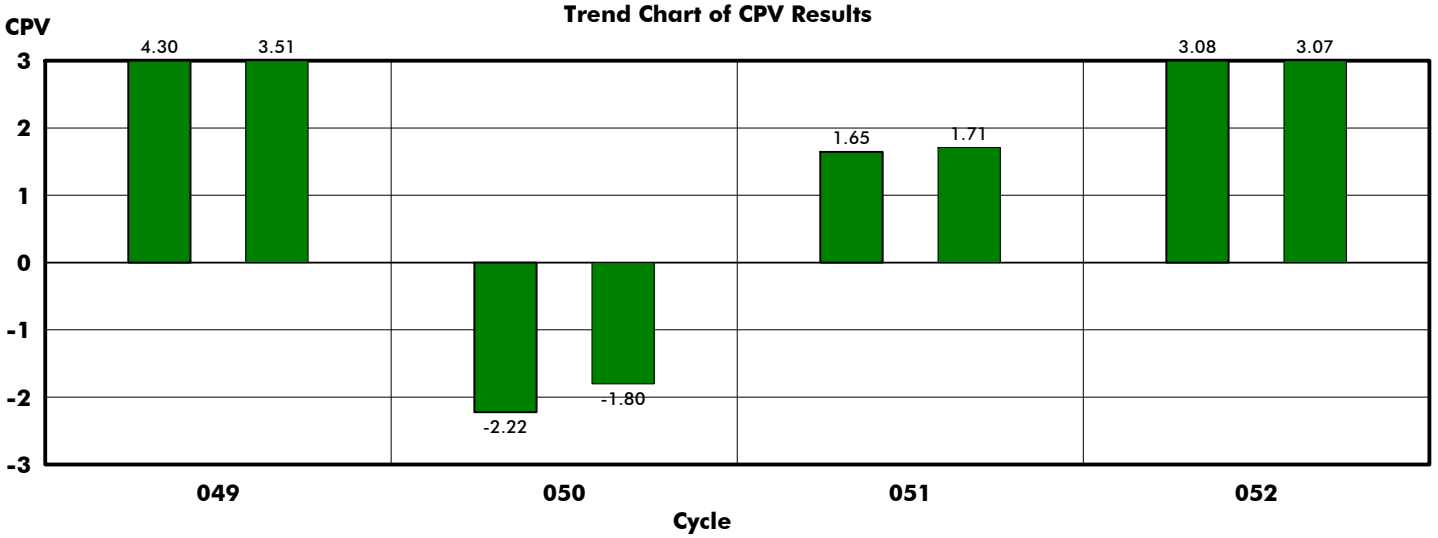
Performance Analysis Report - Trend Chart
Analysis #905: Volatile Acidity
Data in units of g/L as acetic acid

Lab Code: U**A**



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WebCode	Test Cycle	Sample Code & Wine	(Lab Mean	- Grand Mean)	÷ Btwn Lab Std Dev	= CPV	Data Flag	
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	0.6000 0.5000	0.24240 0.21067	0.08317 0.08231	4.30 3.51	X	59 of 65 labs included
	Analyst Comment: Data for both samples are high.							
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	0.3500 0.4500	0.47428 0.55633	0.05592 0.05898	-2.22 -1.80		68 of 71 labs included
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	0.4500 0.4500	0.38228 0.38133	0.04114 0.04015	1.65 1.71		71 of 72 labs included
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	0.5000 0.5000	0.25026 0.25164	0.08116 0.08079	3.08 3.07	*	75 of 82 labs included

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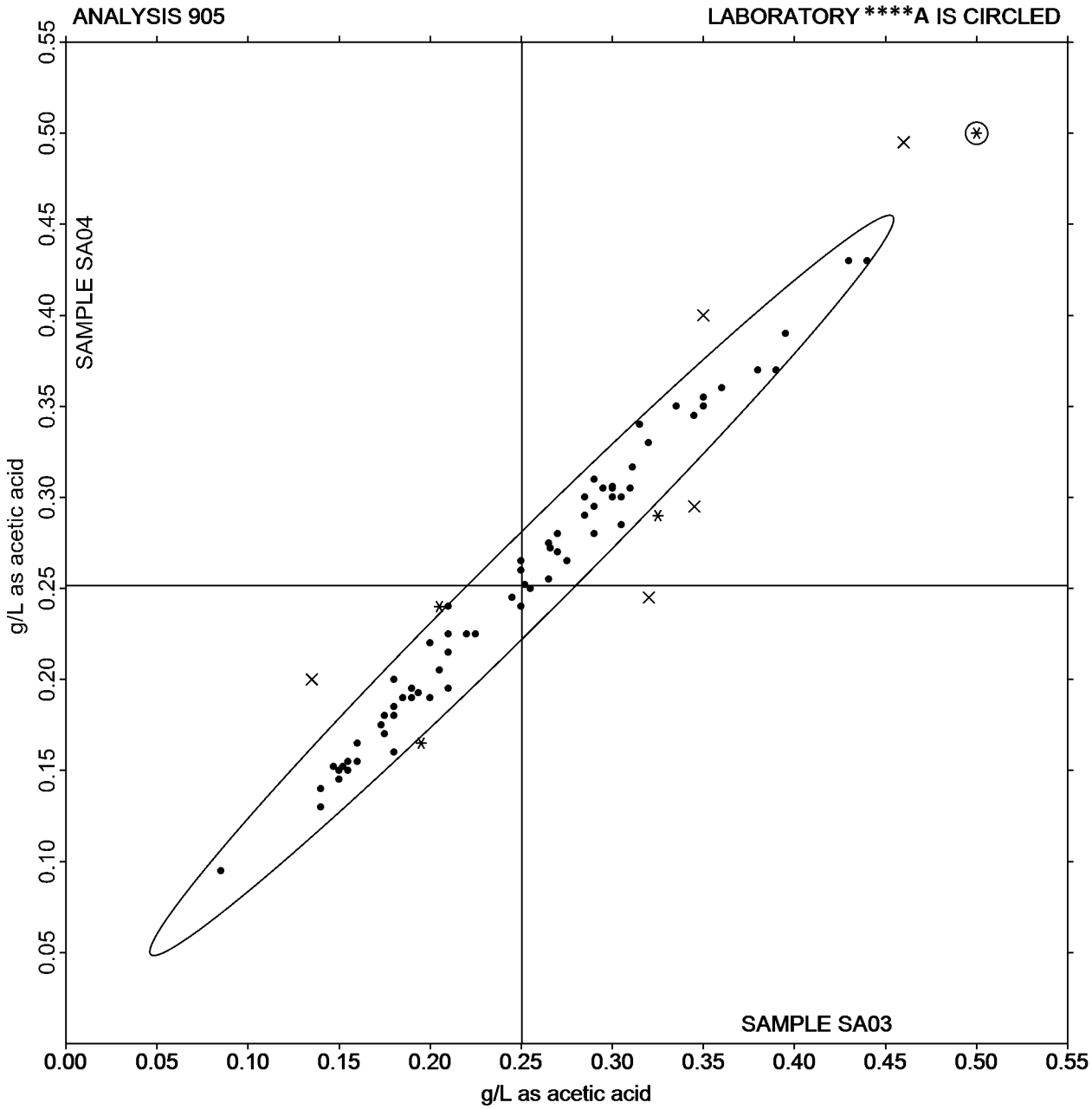

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ	*	0.5000	0.2497	3.08	0.5000	0.2484	3.07

Consensus Results (all laboratories)

	Sample SA03	Sample SA04
Grand Means	0.25026g/L as acetic acid	0.25164g/L as acetic acid
Btwn Lab Standard Deviation	0.08116g/L as acetic acid	0.08079g/L as acetic acid

Consensus statistics based on 75 of 82 reporting participants

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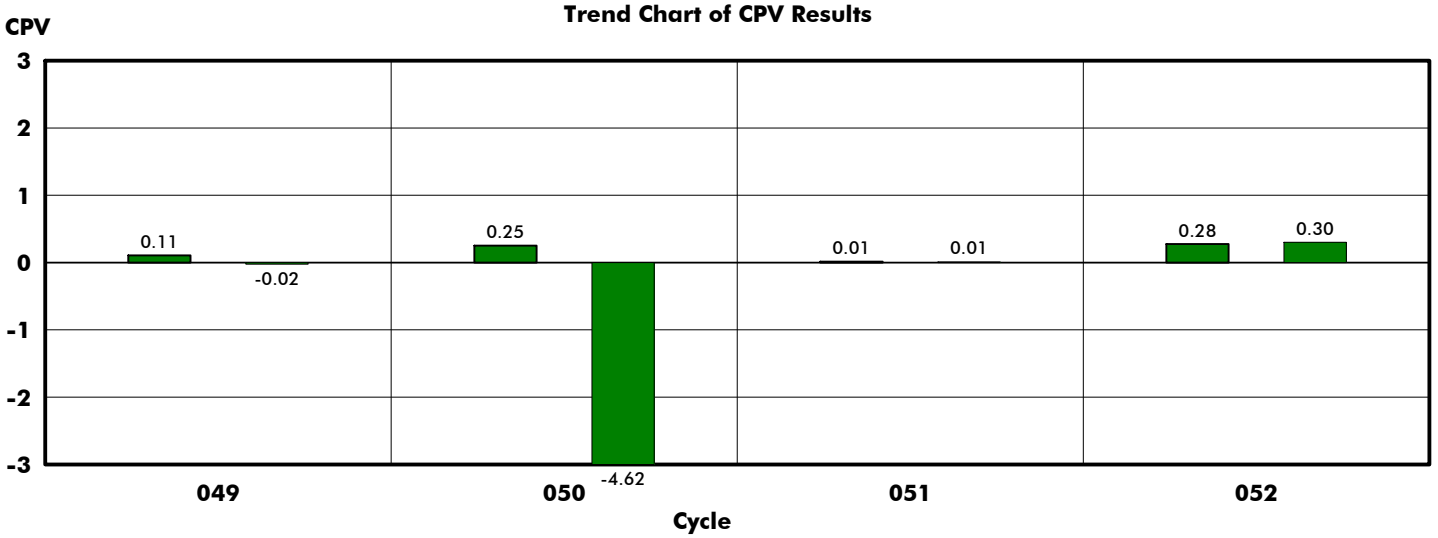
Performance Analysis Report - Trend Chart

Analysis #906: Specific Gravity

Data in units of sp gr 20/20 C

Lab Code: U**A**



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WebCode	Test Cycle	Sample Code & Wine	(Lab Mean - Grand Mean) ÷ Btwn Lab Std Dev = CPV				Data Flag	
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	1.012 1.011	1.0118 1.0109	0.0006 0.0005	**0.11** **-0.02**		51 of 60 labs included
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	0.9959 0.9933	0.99571 0.99680	0.00075 0.00075	**0.25** **-4.62**	X	53 of 63 labs included
		Analyst Comment: Inconsistent in testing between samples, data for Sample SA98 are low. Also inconsistent in testing within Sample SA98.						
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	0.9963 0.9963	0.99631 0.99632	0.00057 0.00059	**0.01** **0.01**		55 of 64 labs included
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	1.012 1.012	1.0114 1.0114	0.0008 0.0008	**0.28** **0.30**		60 of 70 labs included

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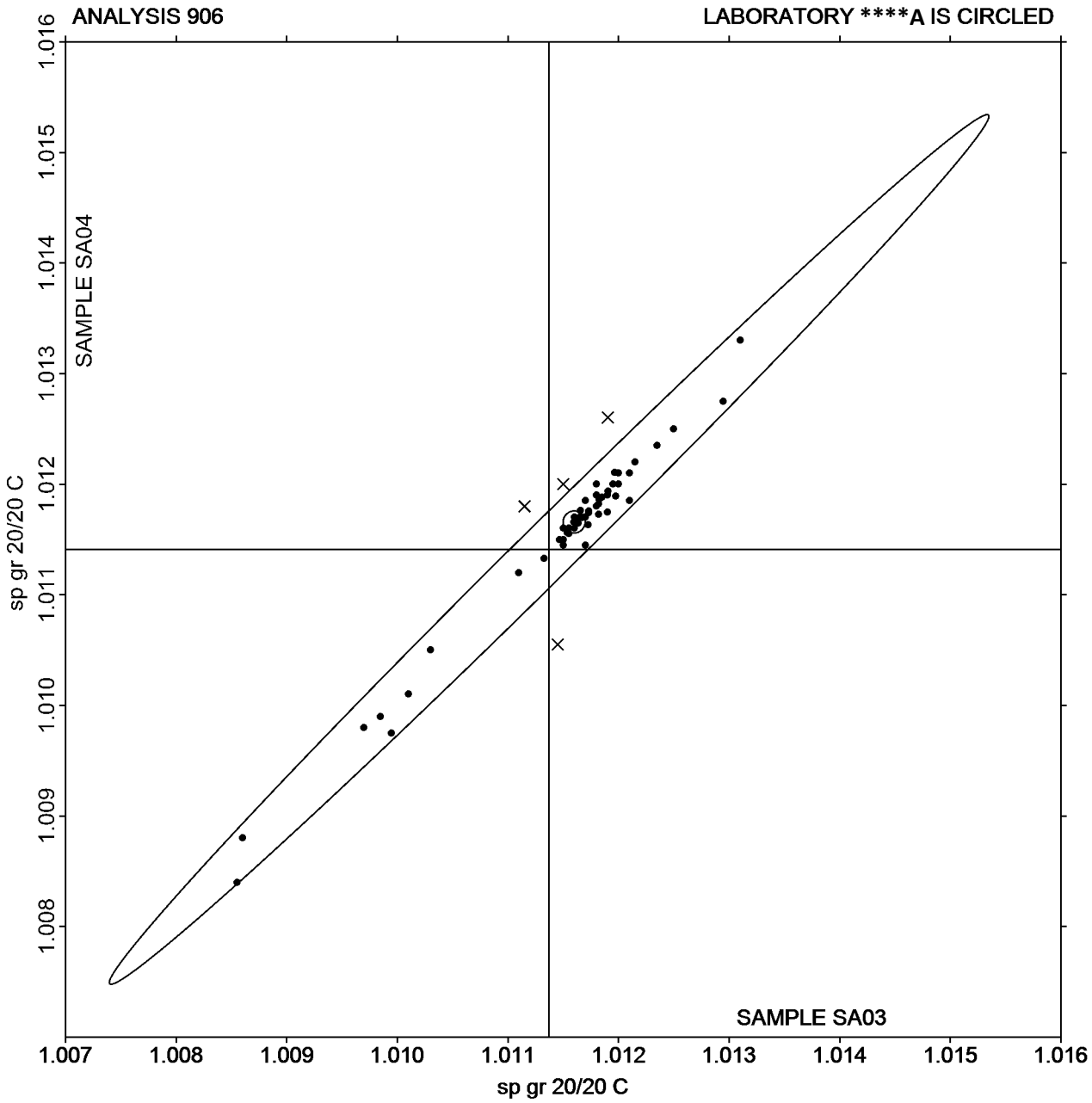

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ		1.012	0.000	0.28	1.012	0.000	0.30

Consensus Results (all laboratories)

Grand Means	1.0114sp gr 20/20 C	1.0114sp gr 20/20 C
Btwn Lab Standard Deviation	0.0008sp gr 20/20 C	0.0008sp gr 20/20 C

Consensus statistics based on 60 of 70 reporting participants

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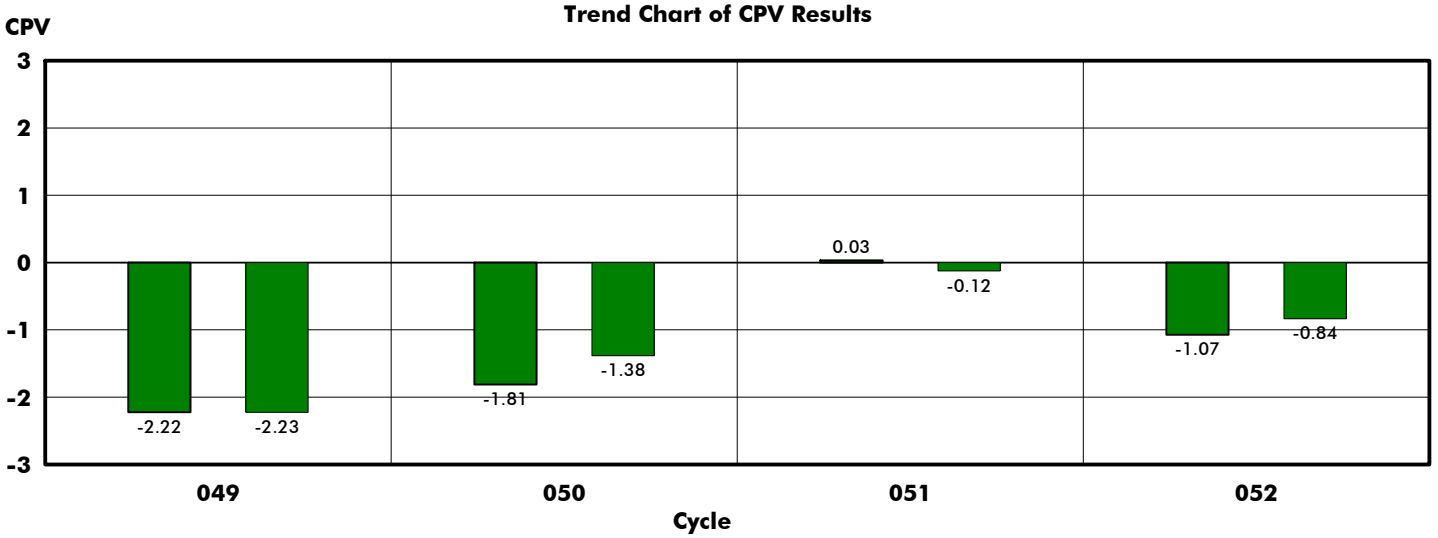
Performance Analysis Report - Trend Chart

Analysis #907: pH

Data in units of pH

Lab Code: U**A**



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WebCode	Test Cycle	Sample Code & Wine	Lab Mean	Grand Mean	Btwn Lab Std Dev	CPV	Data Flag
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	3.060 3.045	3.1409 3.1247	0.0364 0.0358	**-2.22** **-2.23**	61 of 67 labs included
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	3.425 3.490	3.4753 3.5291	0.0277 0.0282	**-1.81** **-1.38**	57 of 71 labs included
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	3.400 3.405	3.3989 3.4089	0.0325 0.0317	**0.03** **-0.12**	65 of 74 labs included
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	3.190 3.205	3.2178 3.2258	0.0259 0.0250	**-1.07** **-0.84**	73 of 85 labs included

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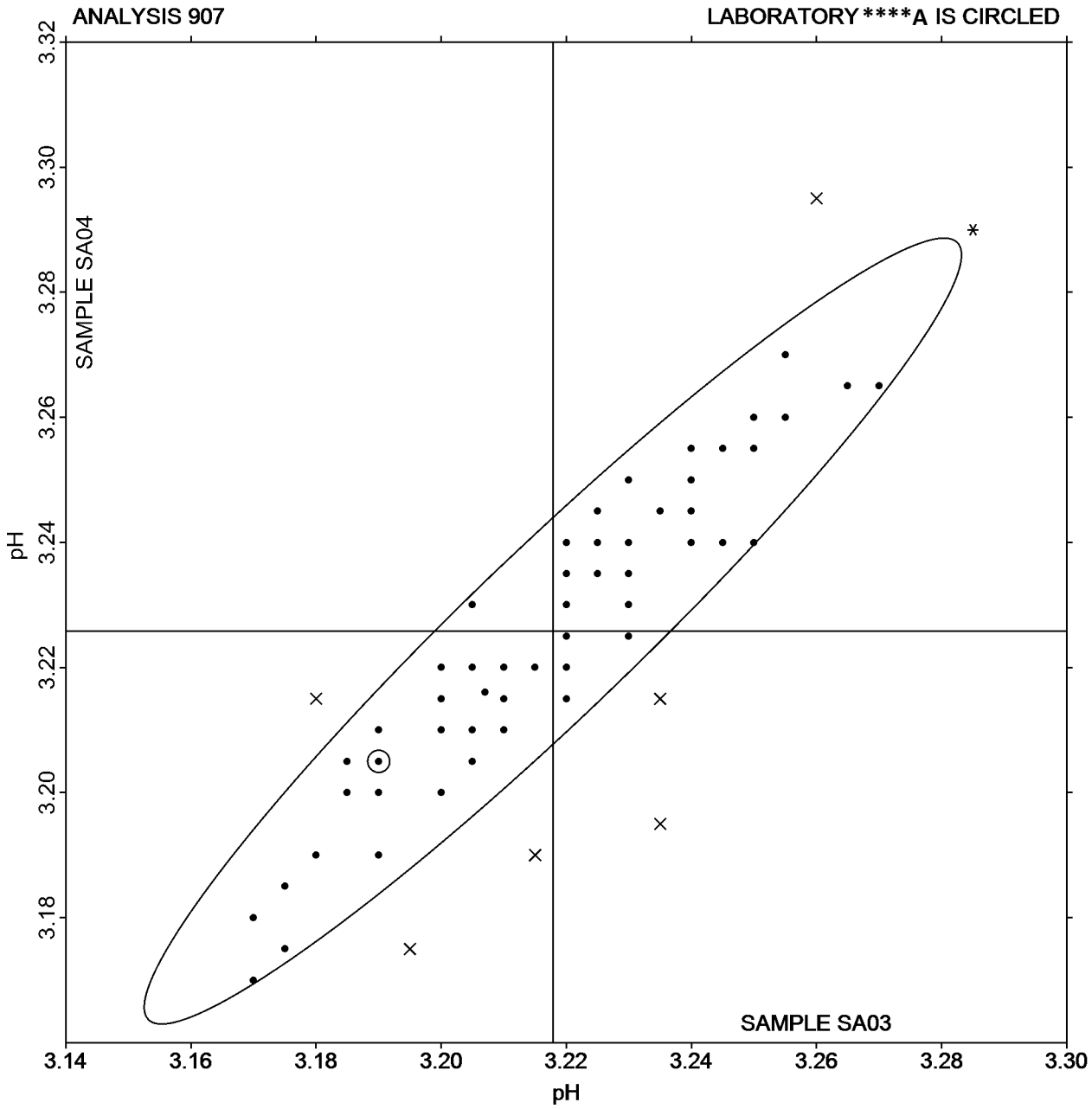

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ		3.190	-0.028	-1.07	3.205	-0.021	-0.84

Consensus Results (all laboratories)		
Grand Means	3.2178pH	3.2258pH
Btwn Lab Standard Deviation	0.0259pH	0.0250pH

Consensus statistics based on 73 of 85 reporting participants

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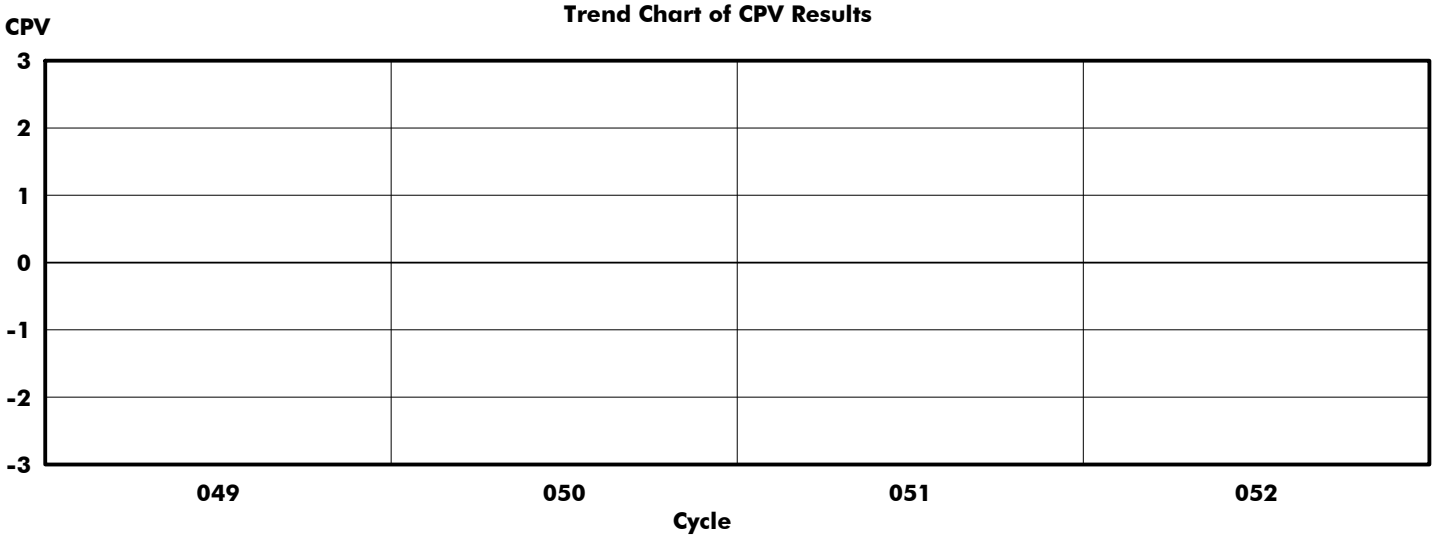
Performance Analysis Report - Trend Chart
Analysis #908: Residual Sugar
Data in units of g/L

Lab Code: U**A**



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WebCode	Test Cycle	Sample Code & Wine	(Lab Mean - Grand Mean) ÷ Btwn Lab Std Dev = CPV	Data Flag
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	No data reported for this sample. No data reported for this sample.	
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	No data reported for this sample. No data reported for this sample.	
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	No data reported for this sample. No data reported for this sample.	
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	No data reported for this sample. No data reported for this sample.	

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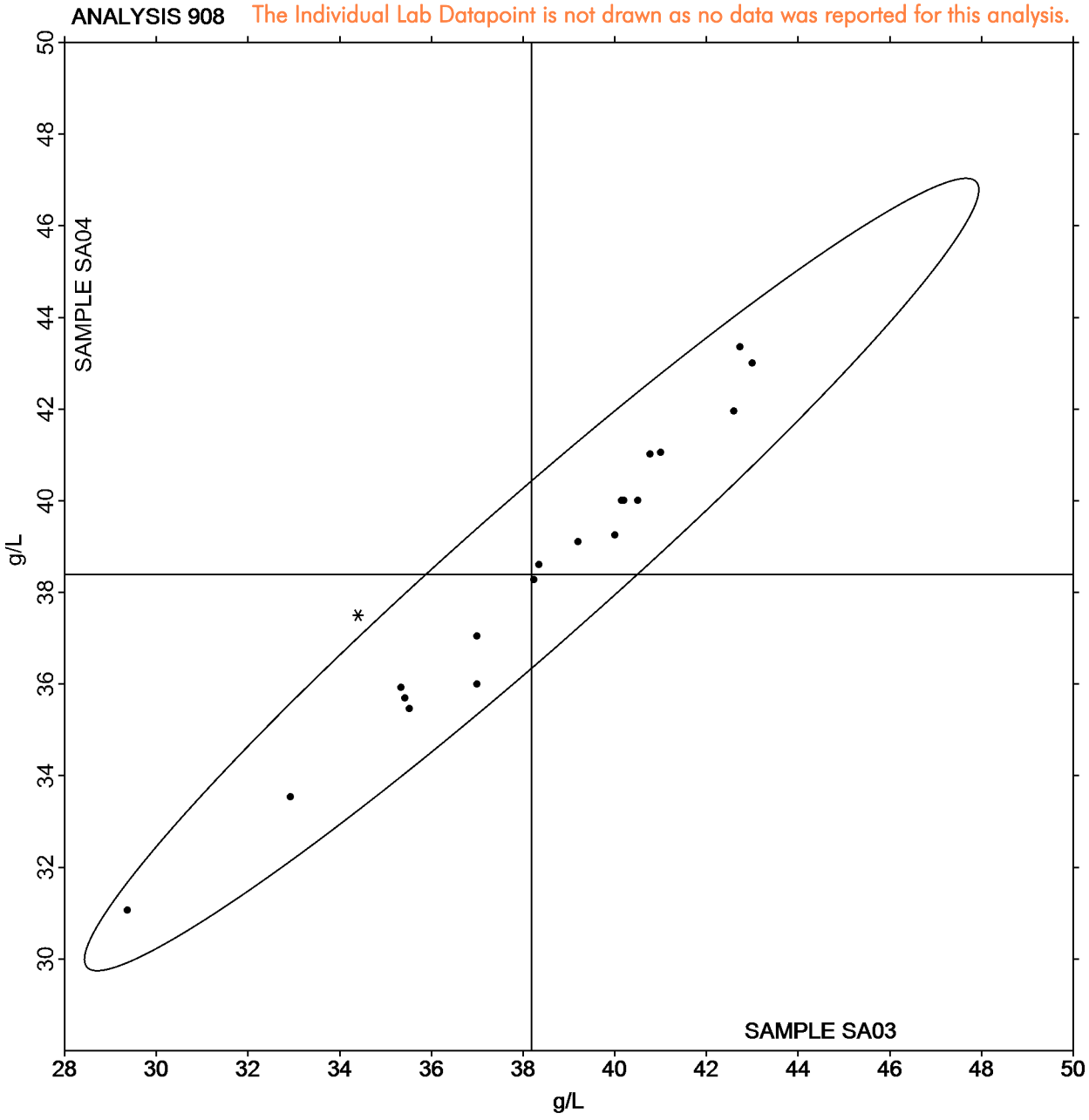

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ		No data reported for this sample.			No data reported for this sample.		

	Consensus Results (all laboratories)	
Grand Means	38.186g/L	38.391g/L
Btwn Lab Standard Deviation	3.561g/L	3.156g/L

Consensus statistics based on 20 of 21 reporting participants

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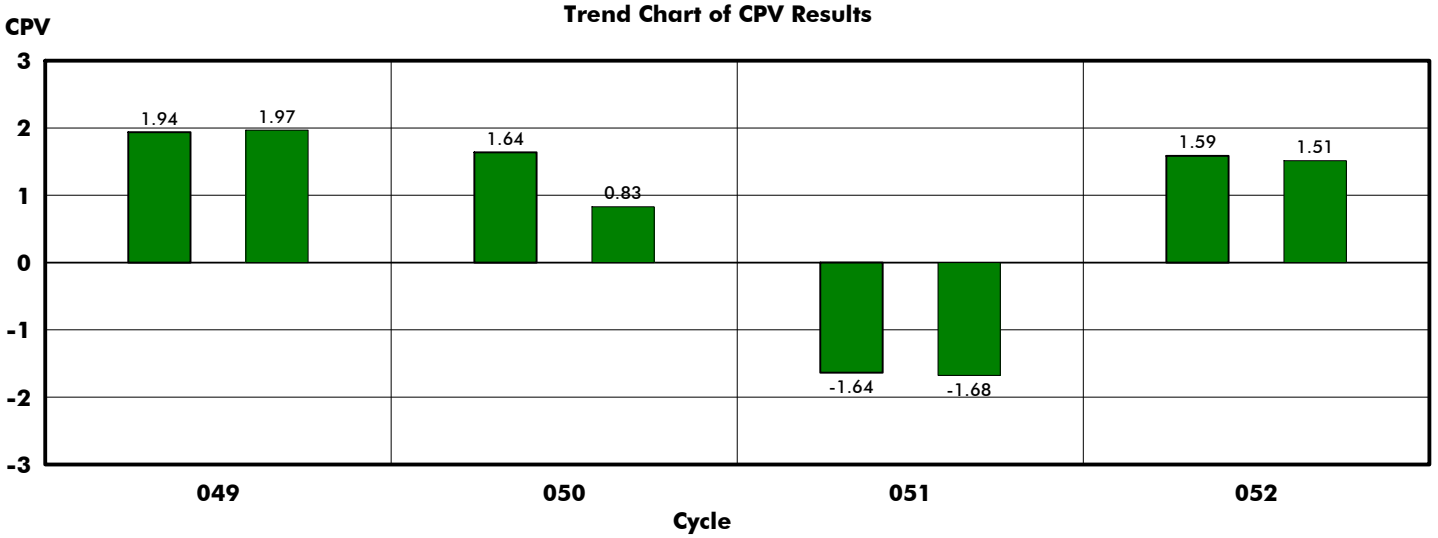
Performance Analysis Report - Trend Chart

Analysis #909: L-Malic Acid

Data in units of g/L

Lab Code: U**A**



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WebCode	Test Cycle	Sample Code & Wine	Lab Mean	Grand Mean	Btwn Lab Std Dev	CPV	Data Flag	
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	2.760 2.700	2.4729 2.3961	0.1483 0.1545	1.94 1.97		52 of 55 labs included
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	0.2600 0.1900	0.16520 0.14554	0.05786 0.05361	1.64 0.83	* 	50 of 57 labs included
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	0.6900 0.7000	0.80157 0.82961	0.06816 0.07730	-1.64 -1.68		57 of 63 labs included
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	2.895 2.885	2.5264 2.5284	0.2324 0.2355	1.59 1.51		69 of 71 labs included

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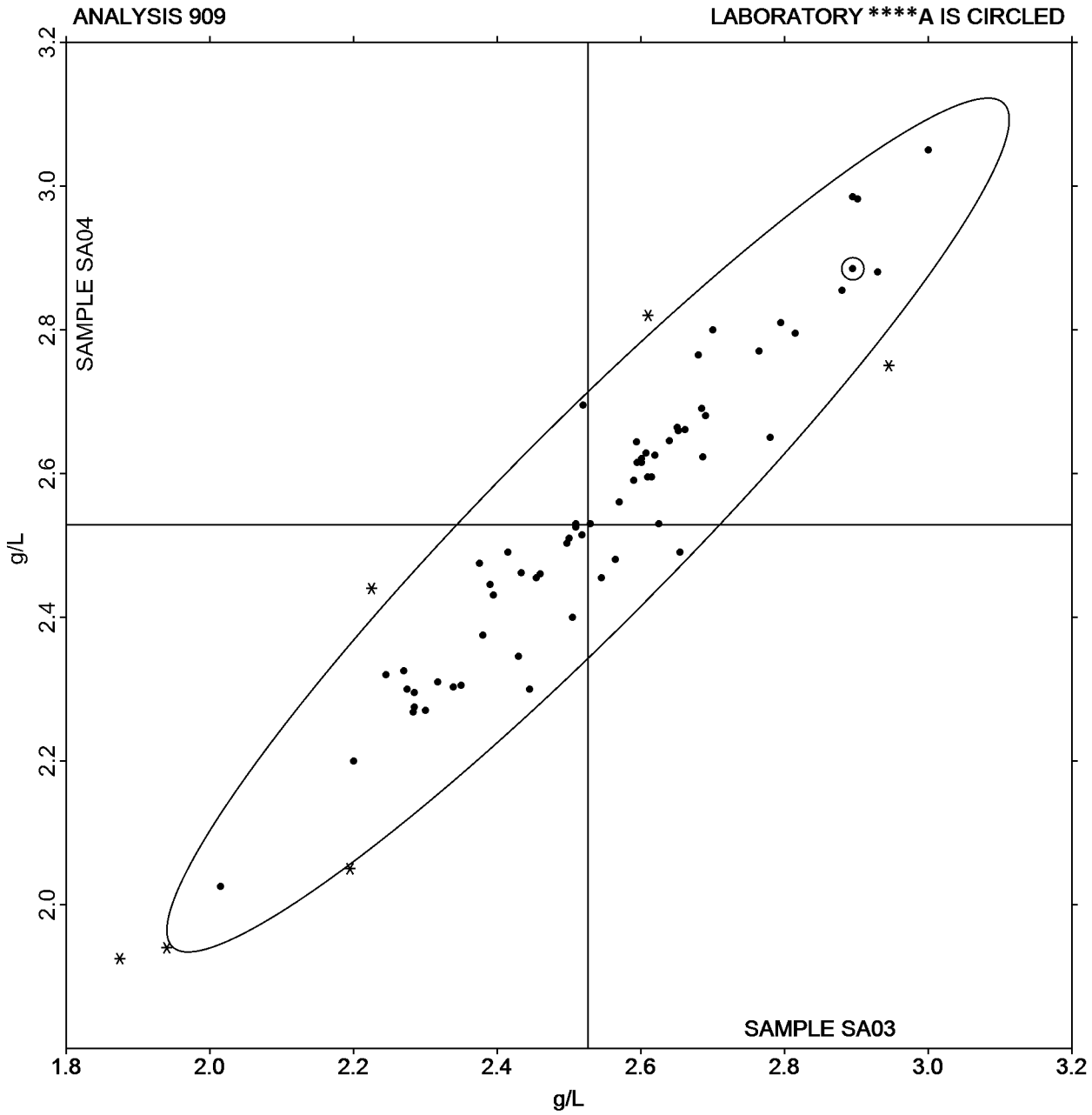

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ		2.895	0.369	1.59	2.885	0.357	1.51

Consensus Results (all laboratories)		
Grand Means	2.5264g/L	2.5284g/L
Btwn Lab Standard Deviation	0.2324g/L	0.2355g/L

Consensus statistics based on 69 of 71 reporting participants

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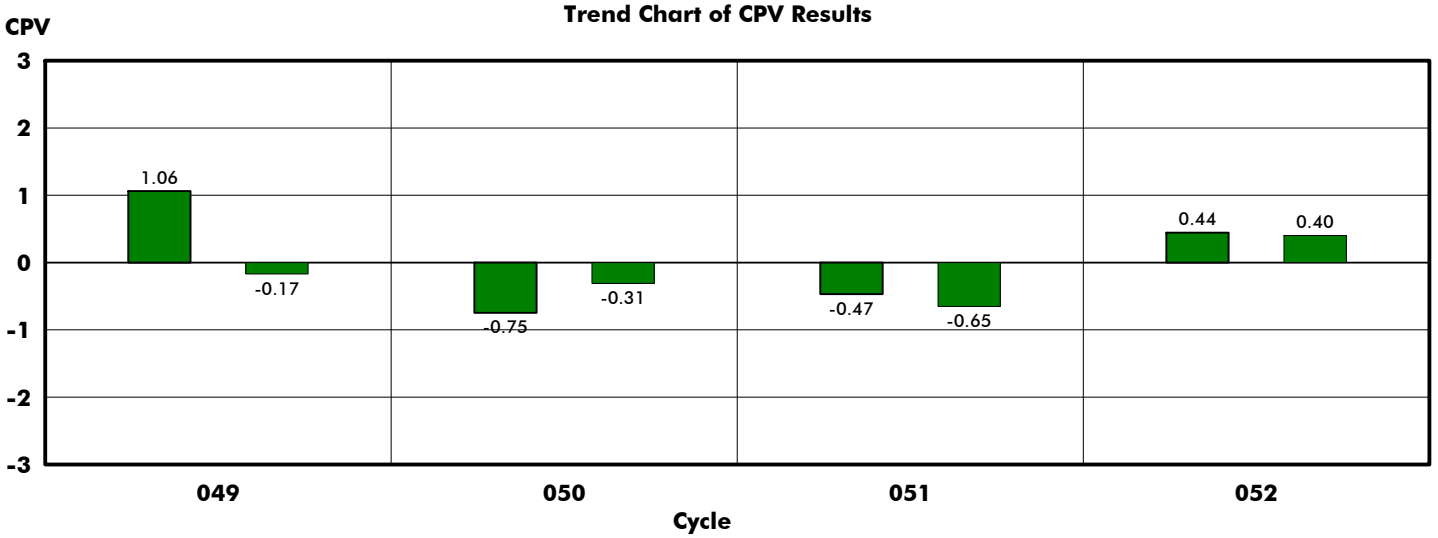
Performance Analysis Report - Trend Chart

Analysis #910: Glucose + Fructose

Data in units of g/L

Lab Code: U**A**



A maximum of 4 test cycles are printed on this page, reflecting up to 18 months of testing. If there are fewer sets of bars than the maximum and the laboratory was enrolled for all cycles, then one of the following situations occured: lab did not submit data for a particular test/testing cycle or the data sheets were received late.

WebCode	Test Cycle	Sample Code & Wine	(Lab Mean	- Grand Mean)	÷ Btwn Lab Std Dev	= CPV		Data Flag
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	40.70 37.10	38.862 37.375	1.730 1.618	1.06 -0.17	*	52 of 58 labs included
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	5.600 7.650	5.8403 7.8022	0.3215 0.4936	-0.75 -0.31		55 of 63 labs included
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	12.75 12.55	13.147 13.093	0.849 0.834	-0.47 -0.65		56 of 63 labs included
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	39.60 39.45	38.677 38.615	2.082 2.080	0.44 0.40		63 of 71 labs included

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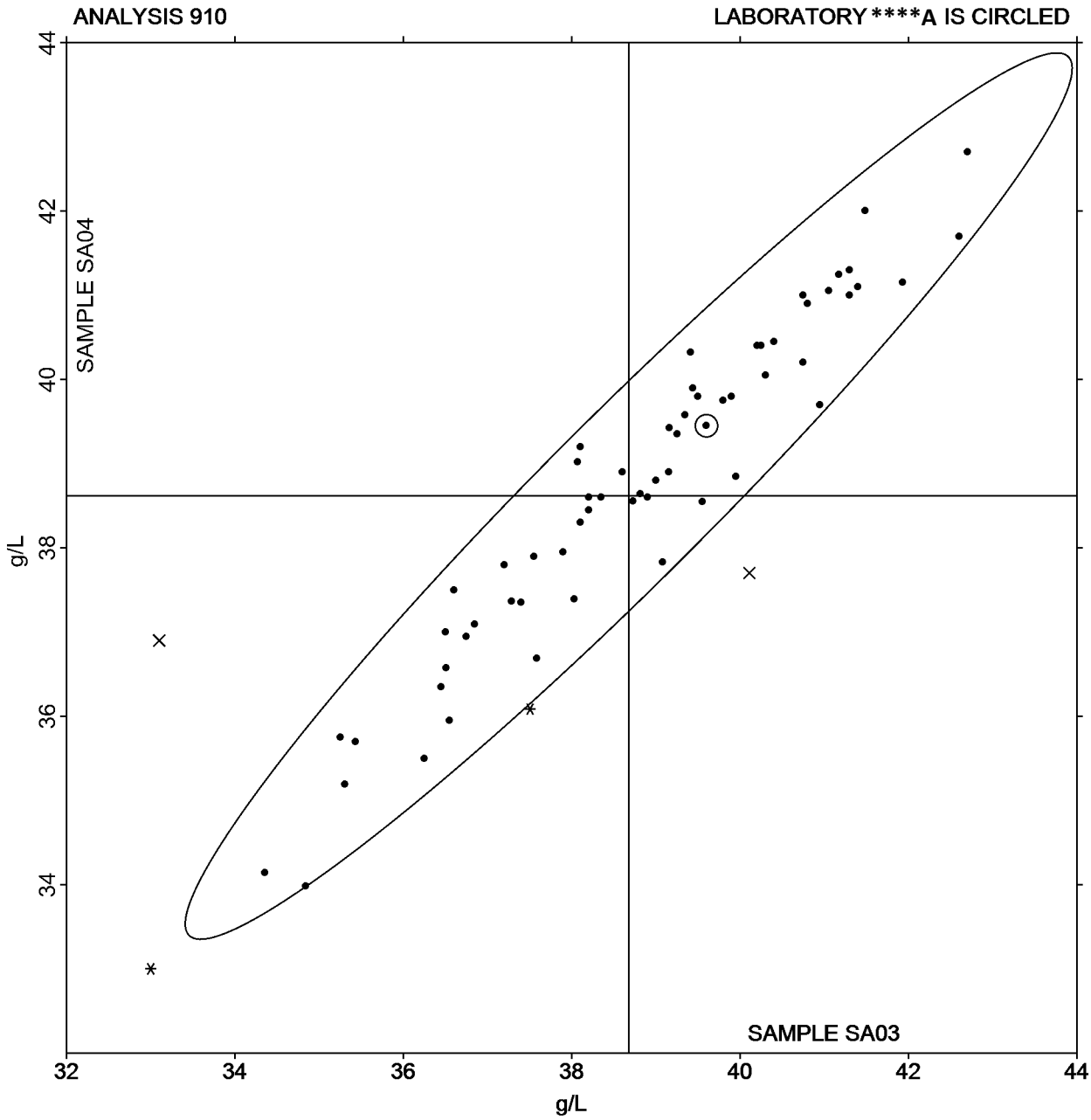

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ		39.60	0.92	0.44	39.45	0.84	0.40

Consensus Results (all laboratories)		
Grand Means	38.677g/L	38.615g/L
Btwn Lab Standard Deviation	2.082g/L	2.080g/L

Consensus statistics based on 63 of 71 reporting participants

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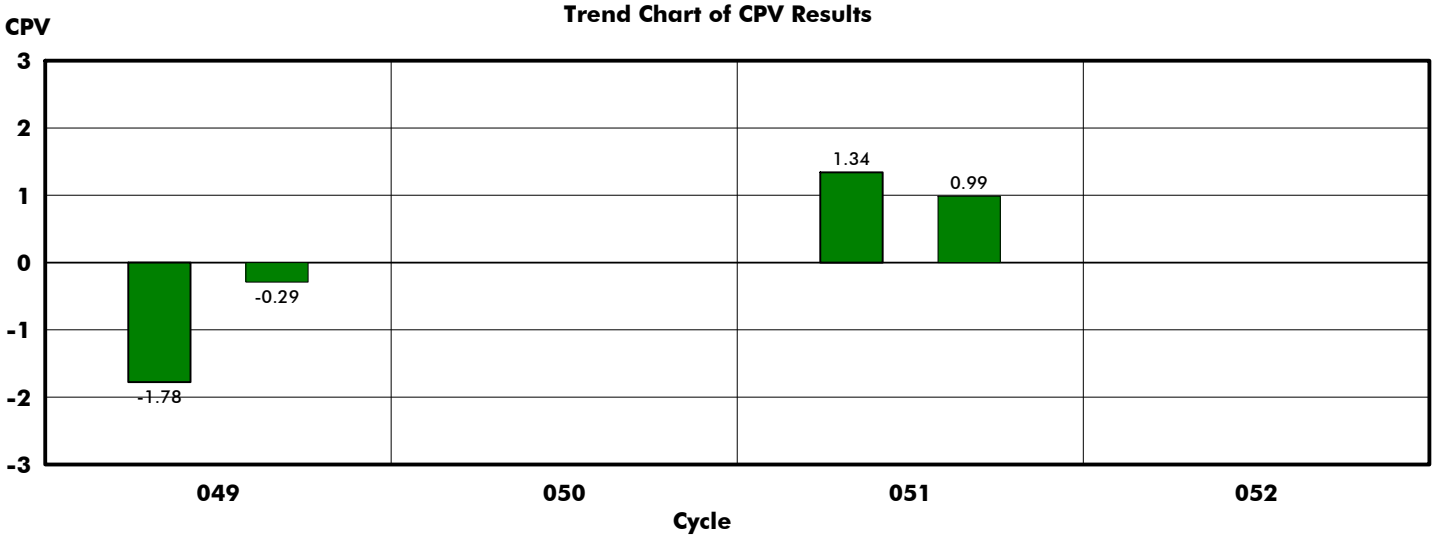
Performance Analysis Report - Trend Chart

Analysis #911: Copper

Data in units of mg/L

Lab Code: U**A**



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WebCode	Test Cycle	Sample Code & Wine	(Lab Mean	-	Grand Mean)	÷ Btwn Lab Std Dev	= CPV		Data Flag
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	0.0850 0.1250		0.13082 0.13184	0.02578 0.02360	-1.78 -0.29	*	19 of 20 labs included
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	No data reported for this sample. No data reported for this sample.						
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	0.1850 0.1250		0.15342 0.10879	0.02355 0.01644	1.34 0.99		19 of 20 labs included
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	No data reported for this sample. No data reported for this sample.						

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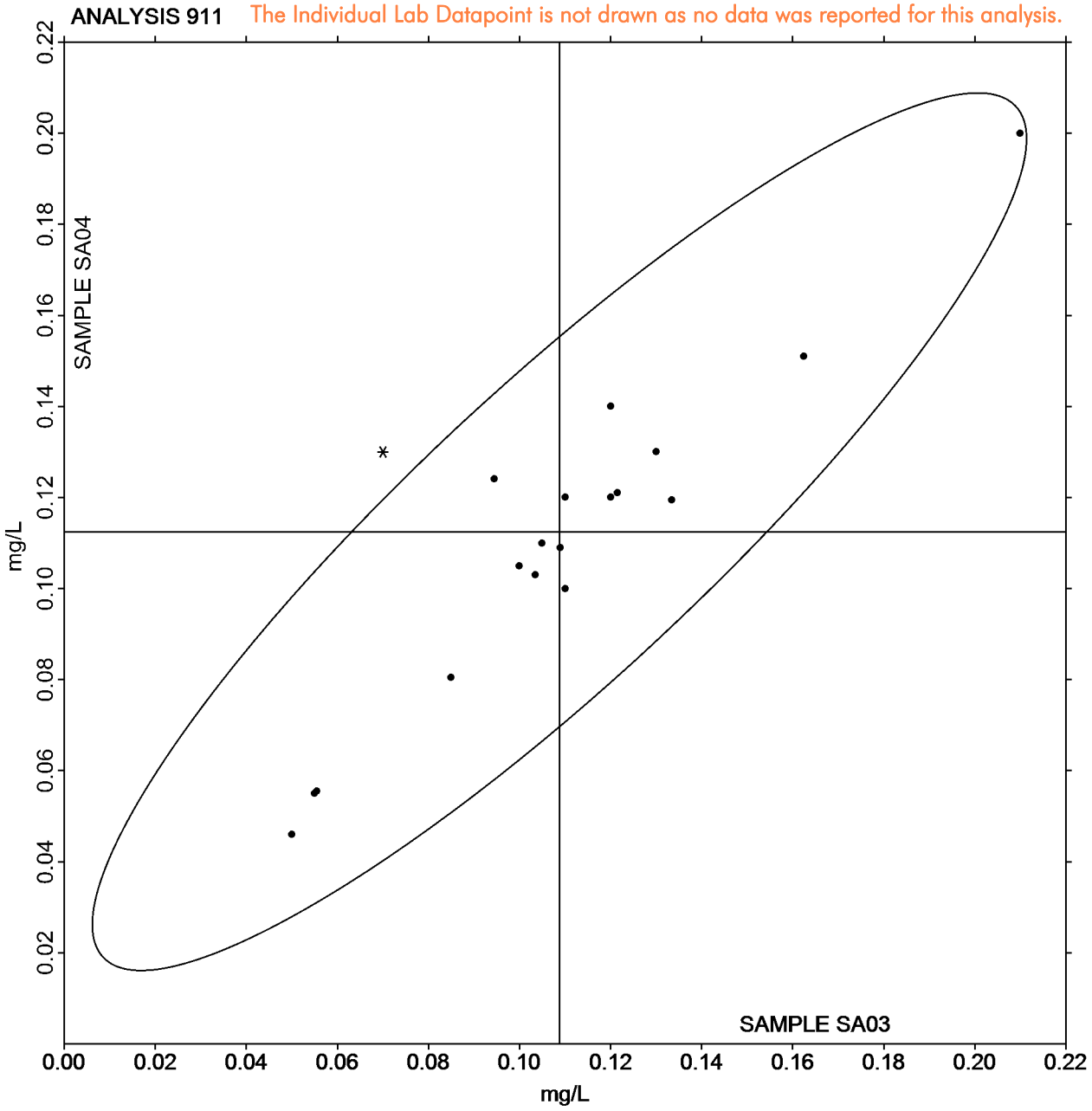

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ		No data reported for this sample.			No data reported for this sample.		

Consensus Results (all laboratories)		
Grand Means	0.10875mg/L	0.11248mg/L
Btwn Lab Standard Deviation	0.03744mg/L	0.03517mg/L

Consensus statistics based on 20 of 20 reporting participants

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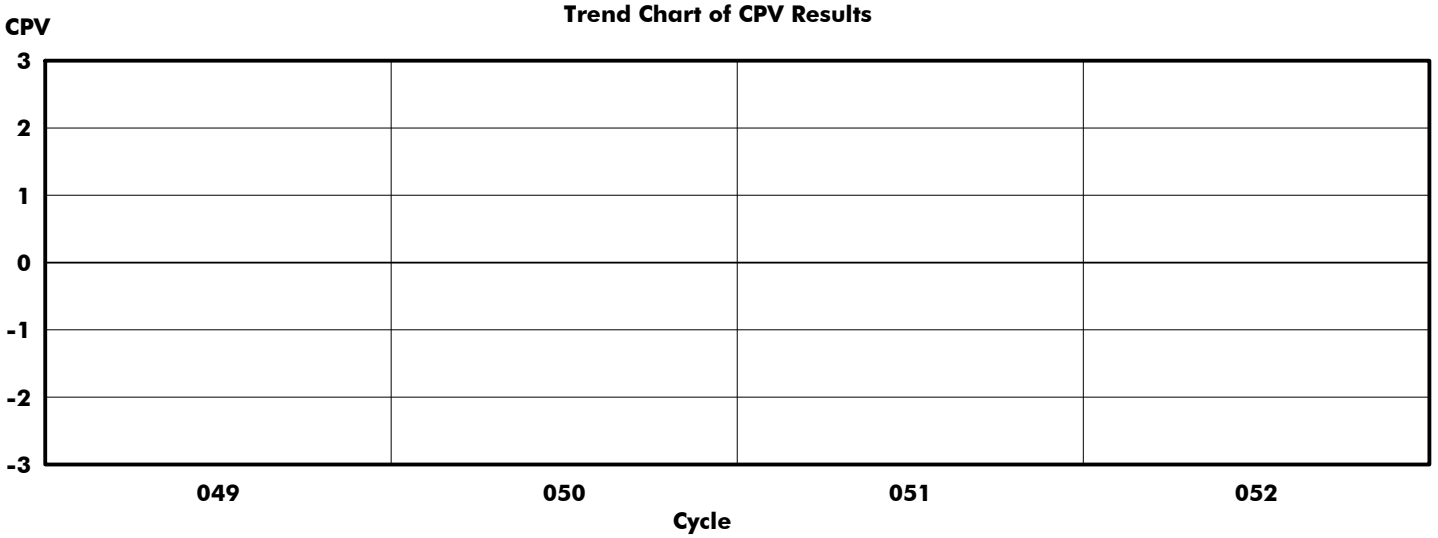
Performance Analysis Report - Trend Chart
Analysis #912: Potassium Content
Data in units of mg/L

Lab Code: U**A**



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WebCode	Test Cycle	Sample Code & Wine	(Lab Mean - Grand Mean) ÷ Btwn Lab Std Dev = CPV	Data Flag
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	No data reported for this sample. No data reported for this sample.	
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	No data reported for this sample. No data reported for this sample.	
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	No data reported for this sample. No data reported for this sample.	
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	No data reported for this sample. No data reported for this sample.	

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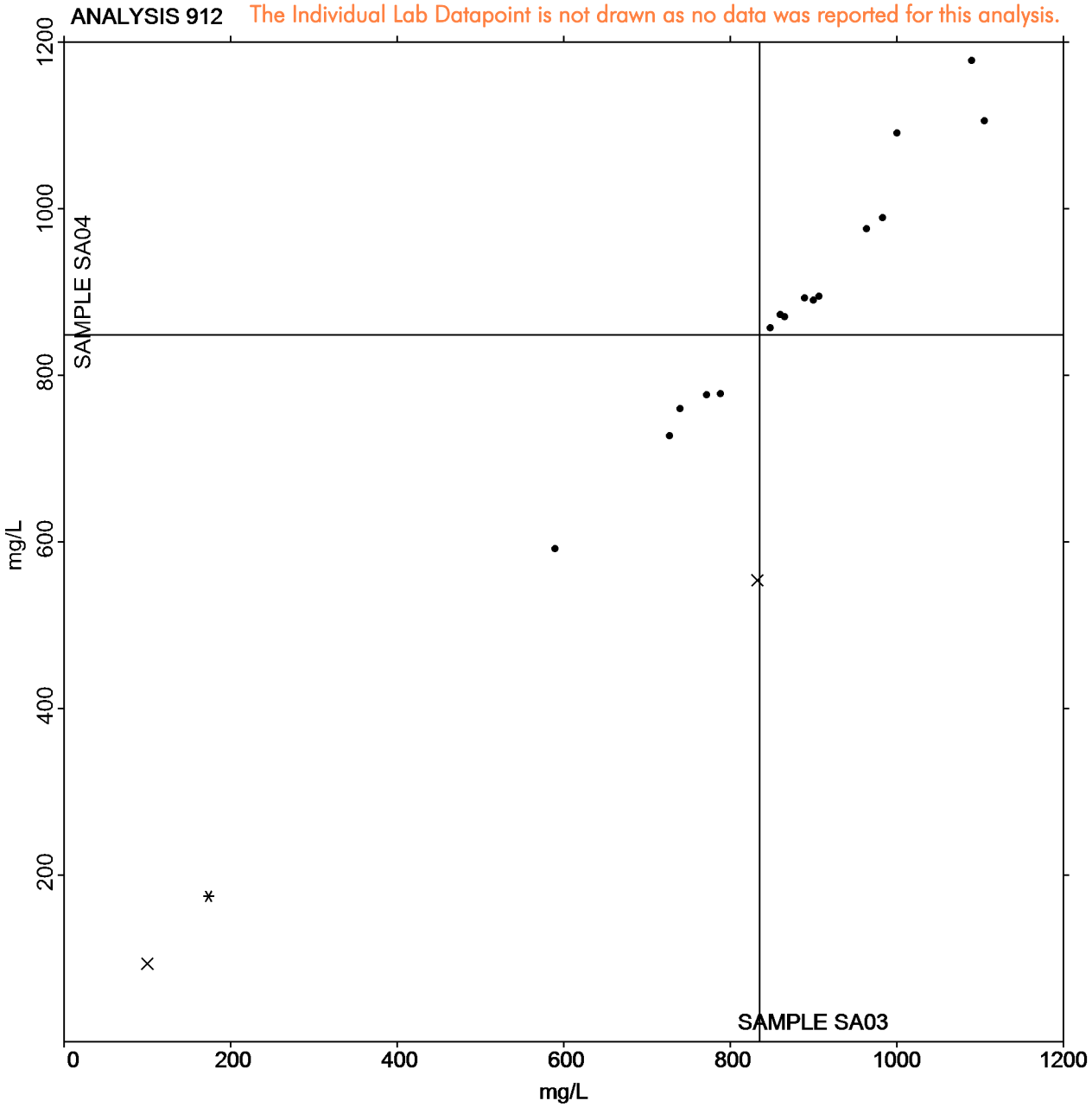

If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ		No data reported for this sample.			No data reported for this sample.		

	Consensus Results (all laboratories)	
Grand Means	835.55mg/L	848.45mg/L
Btwn Lab Standard Deviation	215.41mg/L	227.63mg/L

Consensus statistics based on 17 of 19 reporting participants

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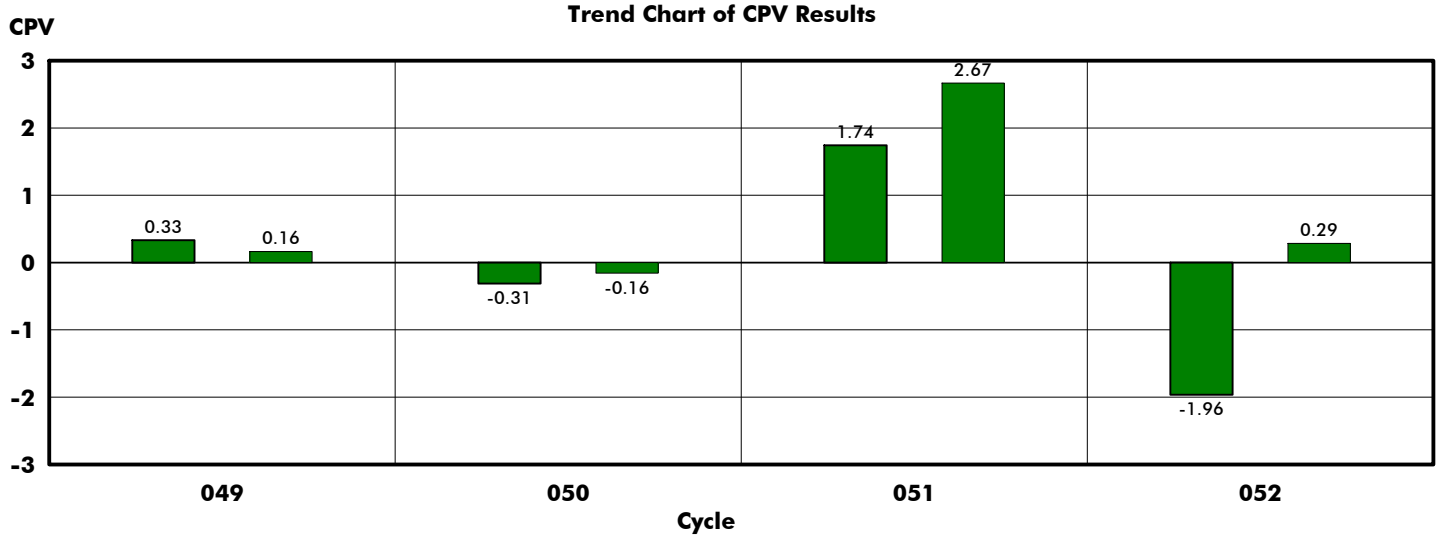
Performance Analysis Report - Trend Chart

Analysis #915: A420

Lab Code: U**A**

Data in units of Absorbance Units



A maximum of 4 test cycles are printed on this page, reflecting up to 18 months of testing. If there are fewer sets of bars than the maximum and the laboratory was enrolled for all cycles, then one of the following situations occured: lab did not submit data for a particular test/testing cycle or the data sheets were received late.

WebCode	Test Cycle	Sample Code & Wine	(Lab Mean	-	Grand Mean)	÷ Btwn Lab Std Dev	= CPV	Data Flag	
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	0.2920 0.2810		0.28524 0.27783	0.02034 0.01943	**0.33** **0.16**		38 of 41 labs included
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	2.775 2.440		2.8200 2.4598	0.1443 0.1250	**-0.31** **-0.16**		31 of 40 labs included
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	0.0950 0.0975		0.08406 0.08129	0.00627 0.00608	**1.74** **2.67**	* 	37 of 43 labs included
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	0.2270 0.2560		0.24691 0.25327	0.01014 0.00955	**-1.96** **0.29**	X 	43 of 49 labs included

Action Item! Your performance for this cycle was assigned an X Data Flag.

Analyst Comment: Inconsistent in testing between samples.

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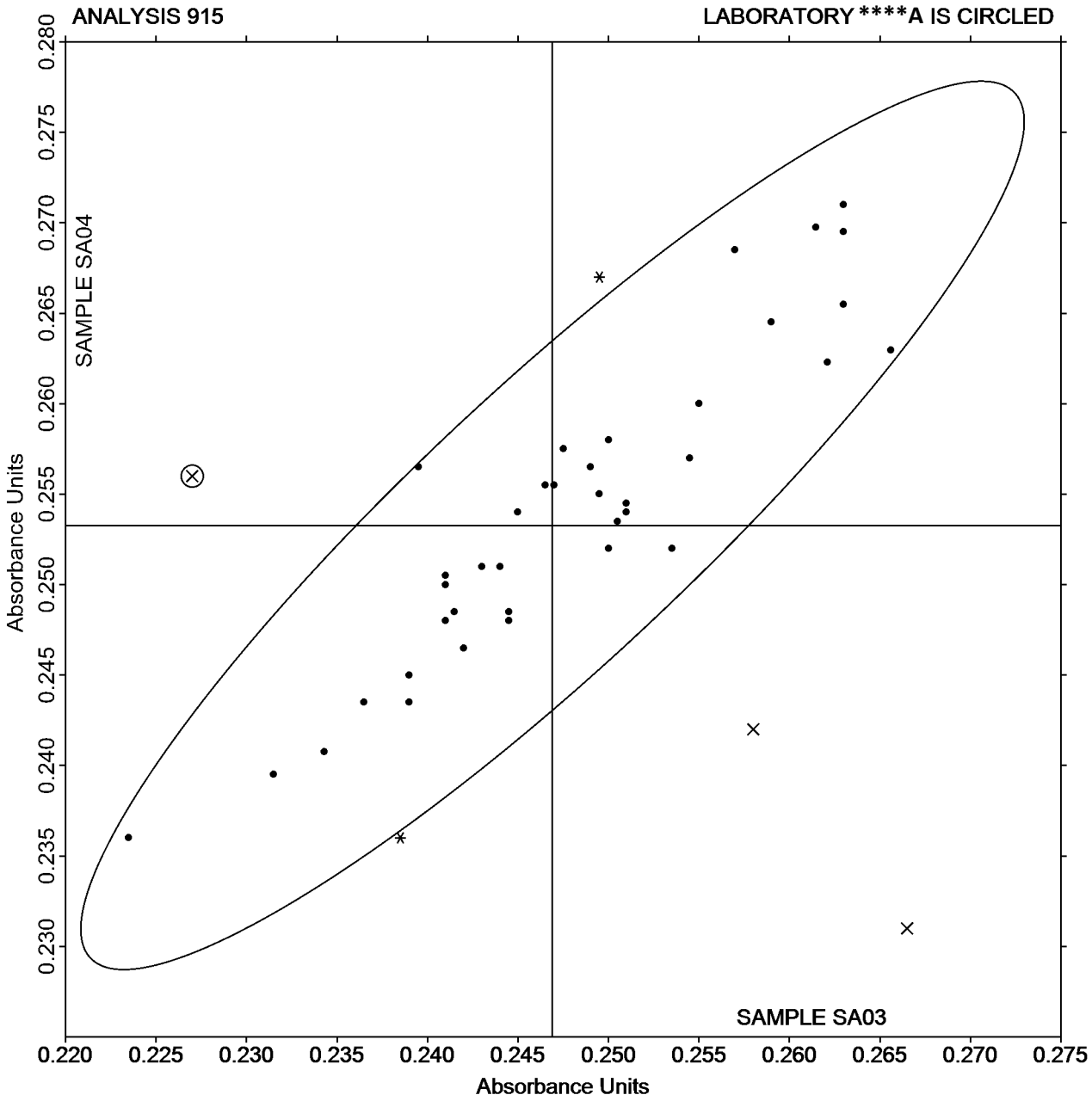

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
V8WXYZ	X	0.2270	-0.0199	-1.96	0.2560	0.0027	0.29

Consensus Results (all laboratories)

Grand Means	0.24691 Absorbance Units	0.25327 Absorbance Units
Btwn Lab Standard Deviation	0.01014 Absorbance Units	0.00955 Absorbance Units

Consensus statistics based on 43 of 49 reporting participants

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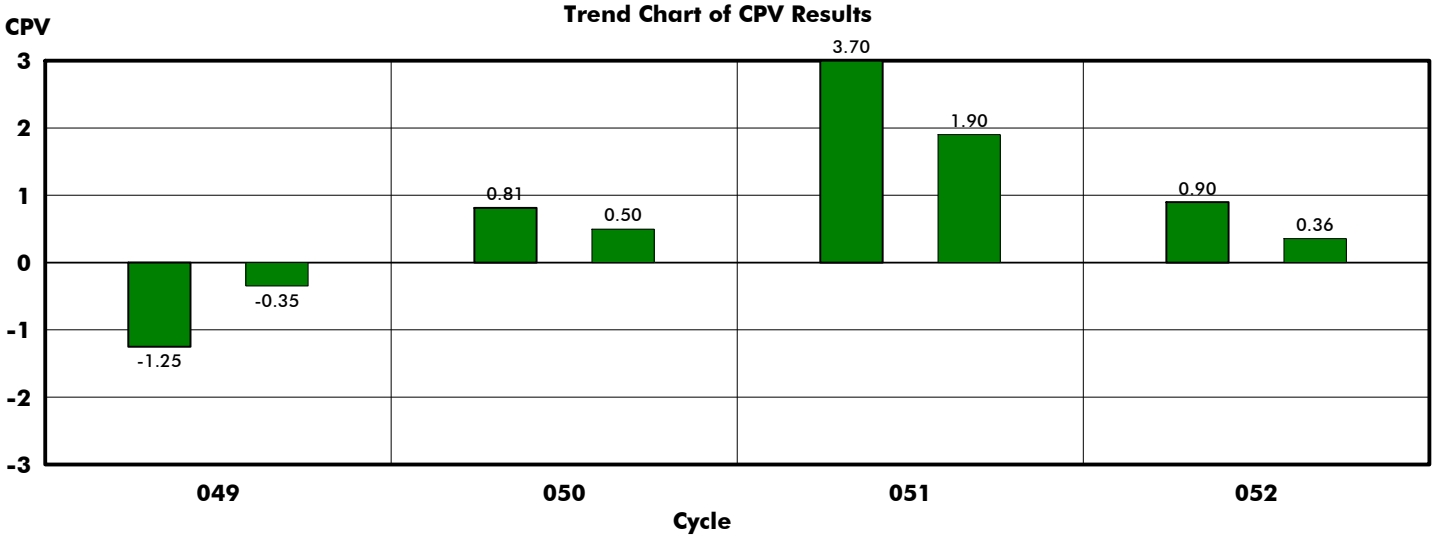
Performance Analysis Report - Trend Chart

Analysis #916: A520nm

Data in units of Absorbance Units

Lab Code: U**A**



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WebCode	Test Cycle	Sample Code & Wine	(Lab Mean	-	Grand Mean)	÷ Btwn Lab Std Dev	= CPV	Data Flag	
9ABCD9	049 Spring 2015	SA95 - White Zinfandel SA96 - White Zinfandel	0.1950 0.2000		0.21580 0.20574	0.01663 0.01656	-1.25 -0.35		40 of 41 labs included
ACTSHD	050 Summer 2015	SA97 - Merlot SA98 - Zinfandel	4.045 3.285		3.7101 3.1612	0.4119 0.2486	0.81 0.50		33 of 37 labs included
L7GJD2	051 Fall 2015	SA01 - Chardonnay SA02 - Chardonnay	0.0240 0.0185		0.01285 0.01269	0.00302 0.00306	3.70 1.90	X	35 of 41 labs included
		Analyst Comment: Inconsistent in testing between samples, data for Sample SA01 are high.							
V8WXYZ	052 Spring 2016	SA03 - White Zinfandel SA04 - White Zinfandel	0.2000 0.2025		0.19232 0.19950	0.00856 0.00839	0.90 0.36		45 of 49 labs included

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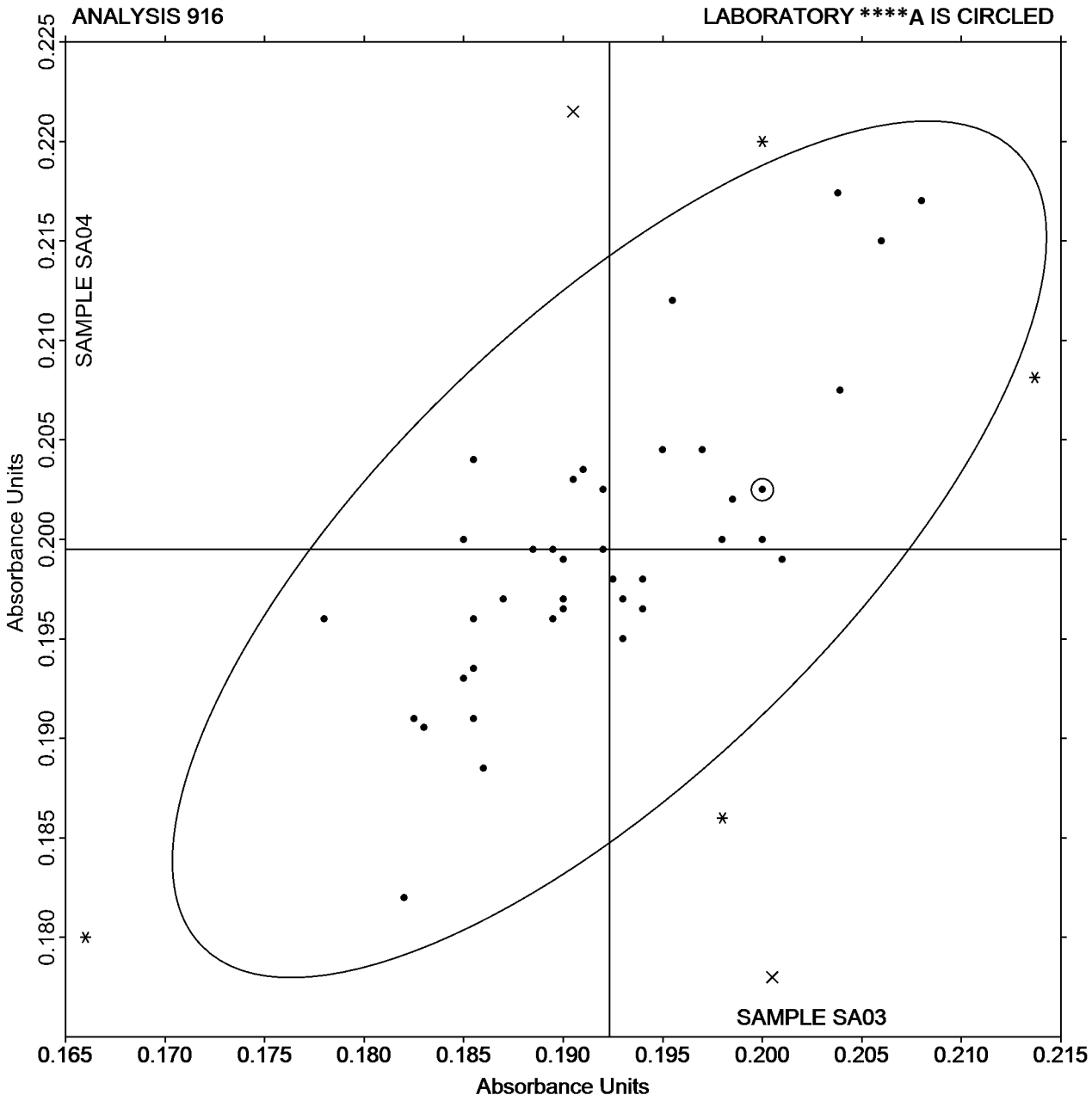

WebCode	Data Flag	Sample SA03 Lab Mean	Sample SA03 Diff from Grand Mean	Sample SA03 CPV	Sample SA04 Lab Mean	Sample SA04 Diff from Grand Mean	Sample SA04 CPV
VWXYZ		0.2000	0.0077	0.90	0.2025	0.0030	0.36

Consensus Results (all laboratories)

	Sample SA03	Sample SA04
Grand Means	0.19232 Absorbance Units	0.19950 Absorbance Units
Btwn Lab Standard Deviation	0.00856 Absorbance Units	0.00839 Absorbance Units

Consensus statistics based on 45 of 49 reporting participants

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The analysis of Research Property - Turbidity is included as a Research Property. Since varying properties will be chosen throughout the year, a Trend Chart is not provided for this analysis.

The analysis methods used for Research Properties are also different from those used in the regular program (Analysis 901 through Analysis 916). As consensus statistics can be unreliable due to the small number of participants reporting data, CTS has instead designated a Target Value for each research property.

		Sample SA03		Sample SA04	
WebCode	Data Flag	Lab Mean	Difference from Target Value	Lab Mean	Difference from Target Value
V8WXYZ		0.1800	-0.0882 (-33%)	0.3450	0.0809 (31%)

Research Property Target Value

Target Value	0.2682 NTU	0.2641 NTU

Note: For Test 950, 951 and 952, CTS has not chosen to designate a target value for this property instead of using an average value.

Consensus Average (may differ from target value)	0.2682 NTU	0.2641 NTU

This consensus average is based on 61 reporting participants.

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The analysis of Research Property: Methanol Content is included as a Research Property. Since varying properties will be chosen throughout the year, a Trend Chart is not provided for this analysis.

The analysis methods used for Research Properties are also different from those used in the regular program (Analysis 901 through Analysis 916). As consensus statistics can be unreliable due to the small number of participants reporting data, CTS has instead designated a Target Value for each research property.

		Sample SA03		Sample SA04	
WebCode	Data Flag	Lab Mean	Difference from Target Value	Lab Mean	Difference from Target Value
V8WXYZ		93.5	-16.4 (-15%)	93.5	-15.7 (-14%)

Research Property Target Value

	Sample SA03	Sample SA04
Target Value	109.9 mg/L	109.2 mg/L

Note: For Test 950, 951 and 952, CTS has not chosen to designate a target value for this property instead of using an average value.

Consensus Average (may differ from target value)	109.9 mg/L	109.2 mg/L

This consensus average is based on 14 reporting participants.

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The analysis of Research Property: Sodium (mg/L) is included as a Research Property. Since varying properties will be chosen throughout the year, a Trend Chart is not provided for this analysis.

The analysis methods used for Research Properties are also different from those used in the regular program (Analysis 901 through Analysis 916). As consensus statistics can be unreliable due to the small number of participants reporting data, CTS has instead designated a Target Value for each research property.

		Sample SA03		Sample SA04	
WebCode	Data Flag	Lab Mean	Difference from Target Value	Lab Mean	Difference from Target Value
V8WXY2		No data reported for this sample.		No data reported for this sample.	

Research Property Target Value

Target Value	67.43 mg/L	62.42 mg/L

Note: For Test 950, 951 and 952, CTS has not chosen to designate a target value for this property instead of using an average value.

Consensus Average (may differ from target value)	67.43 mg/L	62.42 mg/L

This consensus average is based on 9 reporting participants.

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