



Wine Industry Interlaboratory Program

Summary Report #078 - Fall 2024

[Introduction to the Wine Program](#)

[Explanation of Tables and Definitions of Terms](#)

Analysis	Analysis Name
<u>901</u>	<u>Ethanol (% of volume)</u>
<u>902</u>	<u>Total Sulfur Dioxide</u>
<u>903</u>	<u>Free Sulfur Dioxide</u>
<u>904</u>	<u>Titrateable Acidity</u>
<u>905</u>	<u>Volatile Acidity</u>
<u>906</u>	<u>Specific Gravity</u>
<u>907</u>	<u>pH</u>
<u>908</u>	<u>Residual Sugar</u>
<u>909</u>	<u>L-Malic Acid</u>
<u>910</u>	<u>Glucose + Fructose</u>
<u>911</u>	<u>Copper Content</u>
<u>912</u>	<u>Potassium Content</u>
<u>915</u>	<u>A420nm (1cm path)</u>
<u>916</u>	<u>A520nm (1cm path)</u>
<u>950</u>	<u>Research: Conductivity @ 20C</u>
<u>951</u>	<u>Research: Calcium Content</u>
<u>952</u>	<u>Research: Calories</u>

About the Wine Industry Interlaboratory Program

This interlaboratory survey was administered by Collaborative Testing Services, Inc. (CTS) through an agreement with The American Society for Enology and Viticulture (ASEV) with technical assistance provided by the Laboratory Proficiency Ad Hoc Committee. The purpose of the survey was to evaluate laboratory performance and assess the performance of the industry with respect to quality assurance testing conducted on commercially produced wine through an on-going interlaboratory testing program. Two bottles of differing wines were supplied to participant laboratories. The samples for each type of wine were chosen consecutively from a single production run, to minimize variation between bottles. Participating laboratories were asked to analyze the samples' ten properties in accordance with their normal laboratory procedures and return the results and methodology information to CTS.

About CTS

Founded in 1971, Collaborative Testing Services, Inc. (CTS) is a privately - owned company that specializes in interlaboratory tests for a variety of industries including color, rubber, plastics, fasteners and metals, containerboard, paper, agriculture, hemp, and wine, as well as proficiency tests for forensic laboratories. All of the tests are designed to assist organizations in achieving and maintaining quality assurance objectives. Labs from the U.S., as well as more than 100 countries, currently participate in the CTS programs.

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Key for Web Summary Report (Page 1 of 2)

WebCode	Assigned laboratory identification number (temporary) used to ensure lab confidentiality while permitting a lab to locate its data in the Wine Web Summary Report published on the CTS web site. The WebCode for each analysis can be found in the Performance Analysis Report mailed to each participant.
Lab Mean	The average of the test results obtained by the participant.
Grand Mean	The average of the LAB MEANS for all included participants. Laboratories flagged with an X or an M (see DATA FLAG column) are excluded from the GRAND MEAN.
Difference from Grand Mean	The difference of the LAB MEAN from the GRAND MEAN.
Between-Lab Standard Deviation	An indication of the precision of measurement between the laboratories. The greater the spread of the LAB MEANS about the GRAND MEAN, the larger the BETWEEN-LAB STANDARD DEVIATION (and vice versa).
Comparative Performance Value	An indication of how well a laboratory's results agree with the other participants. The CPV is a ratio indicating the number of standard deviations from the GRAND MEAN. The closer a laboratory's COMPARATIVE PERFORMANCE VALUE is to zero, the more consistent its results are with the other participants' data (and vice versa). The critical value for each CPV will vary depending on the number of labs participating in a test.
Data Flag	DATA FLAGS are assigned based on the simultaneous analysis of both samples tested. Refer to the following chart for an explanation of each symbol:

<u>DATA FLAG</u>	<u>STATISTICALLY INCLUDED/EXCLUDED</u>	<u>ACTION REQUIRED</u>
*	INCLUDED	CAUTION - Review testing procedure and monitor future results. Results fall outside 95% ellipse but within a 99% ellipse that is calculated but not drawn.
X	EXCLUDED	STOP - Immediate review of data and/or testing procedure is required. Results fall outside the 99% ellipse. See specific notes following each table for more information on why the data is excluded.
M	EXCLUDED	PROCEED - Lab was unable to report data for one sample.

Graph - For each laboratory, the LAB MEAN for the first sample (x-axis) is plotted against the LAB MEAN for the second sample (y-axis) with each point representing a laboratory. The horizontal and vertical cross-hairs are the GRAND MEANS for each sample. When 20 or more laboratories are in the statistics, an ellipse is also drawn so that 95% of the time a randomly selected laboratory will be included inside the ellipse. Plotted data flags are explained above.

Common Problems Highlighted in Footnotes

1. **Extreme data** - The laboratory's results for one or both samples are so inconsistent with those of the other participants that the lab mean(s) fall outside the plot. The participant is advised to immediately review his data and/or testing procedure.
2. **Systematic bias** - The laboratory's results are either consistently high or low for both samples when compared to the other participants (the plotted point falls near the top or bottom of the ellipse). This indicates that the participant is performing the test with a constant bias. Causes of systematic errors include improper calibration, the particular make/model of equipment or a modification to the testing procedure.
3. **Inconsistency in testing between samples/sample sets** - The laboratory's results indicate that there are differences in the way the two samples tested (the plotted point falls to the side of the ellipse). This type of error may be attributed to the analyst deviating from the procedure when testing one of the samples or a material interaction occurrence with the instrument or room conditions. The inconsistency is reflected in the CPVs for the two samples, such as a +1.5 CPV for sample A and a -2.2 CPV for sample B. CTS also will specify if the laboratory's data for one sample are high/low compared to the other participants. If this inconsistency is slight, the lab's plotted point will be an * that falls on the edge of the ellipse.
4. **Inconsistency in testing within a sample** - The laboratory's within-lab standard deviation for a specified sample is high when compared to the other participants, often causing the lab's plotted point to fall outside of the ellipse.

Labs flagged with an * are not typically included in the footnotes of a data table. These labs may locate their position in the control ellipse and use the definitions above to help identify the type of testing error. An * should serve as a caution flag, a "yellow light", to a lab. If this error is repeated in future rounds, a lab may need to stop and review its testing procedures. The initial data flag is not cause for alarm. Interlaboratory tests conducted at regular intervals permit a lab to recognize trends in testing.



ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #078

Fall 2024

Analysis 901 Ethanol (% of volume)

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
24PHHN	X	11.55	-0.51	-9.87	12.00	-0.40	-7.75
28PRNJ	X	12.17	0.11	2.09	12.47	0.06	1.20
2LTX24		12.08	0.02	0.35	12.43	0.02	0.44
37BHFJ		12.14	0.08	1.51	12.49	0.09	1.69
3876P2		12.10	0.03	0.64	12.43	0.03	0.53
3QKMWZ		12.08	0.02	0.35	12.44	0.04	0.72
4FX3UF		12.05	-0.01	-0.22	12.39	-0.01	-0.24
4JE62L	X	12.10	0.04	0.74	12.70	0.30	5.73
4L3JPV		12.02	-0.05	-0.90	12.35	-0.06	-1.10
4NMQPH		12.08	0.02	0.35	12.41	0.01	0.15
66QKWH		12.06	-0.01	-0.13	12.39	-0.02	-0.33
679GMW		11.96	-0.10	-1.96	12.28	-0.12	-2.36
69D62L		12.01	-0.05	-1.00	12.36	-0.05	-0.91
6UVCBU		12.05	-0.01	-0.22	12.40	0.00	-0.05
76774Y		12.03	-0.03	-0.61	12.37	-0.03	-0.62
7KM2JV	X	11.87	-0.19	-3.70	12.17	-0.24	-4.57
7QQ9YX	X	12.00	-0.06	-1.19	12.00	-0.40	-7.75
7Y33FL	X	11.99	-0.07	-1.38	12.24	-0.17	-3.22
82P4WT	*	12.00	-0.06	-1.19	12.30	-0.10	-1.97
8DW7XG		12.06	-0.01	-0.13	12.42	0.01	0.24
8NHA6G		12.01	-0.06	-1.09	12.34	-0.07	-1.30
8Q7PTQ		12.11	0.05	0.93	12.45	0.04	0.82
92KZKU		12.07	0.01	0.16	12.41	0.01	0.15
9VUQAV		12.07	0.01	0.16	12.42	0.02	0.34
AE3BLP	X	12.00	-0.06	-1.19	12.40	0.00	-0.05
AHPURU		12.00	-0.07	-1.29	12.34	-0.07	-1.30
AJYWFD		12.01	-0.05	-1.00	12.35	-0.05	-1.01
AWHMCU		12.09	0.02	0.45	12.43	0.02	0.44
AWMY2C		12.05	-0.01	-0.22	12.39	-0.02	-0.33
B6R9ZP		12.07	0.00	0.07	12.40	0.00	-0.05
CCA2QE		12.09	0.03	0.55	12.44	0.04	0.72
CEERV9		12.07	0.01	0.16	12.39	-0.01	-0.24
CN4EPQ		12.10	0.03	0.64	12.41	0.01	0.15
CUPBRF	X	11.60	-0.46	-8.91	11.90	-0.50	-9.67
DM32J9		12.11	0.04	0.84	12.44	0.03	0.63



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Analysis 901 Ethanol (% of volume)

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
EJ2DF8		12.08	0.02	0.35	12.42	0.02	0.34
ELNWKB		12.05	-0.01	-0.22	12.41	0.00	0.05
FHLFKL		12.09	0.03	0.55	12.43	0.03	0.53
FLKRGL		12.11	0.05	0.93	12.46	0.05	1.01
G2EGCH	X	12.34	0.28	5.37	12.61	0.20	3.90
GHY8BH		12.17	0.10	1.99	12.52	0.11	2.17
GJUQDJ		12.06	0.00	-0.03	12.39	-0.02	-0.33
GK7MKA	X	11.90	-0.16	-3.12	12.70	0.30	5.73
HBZXM6		12.11	0.04	0.84	12.43	0.03	0.53
HJPQRA		12.02	-0.04	-0.80	12.36	-0.04	-0.82
J4VKY7	X	11.80	-0.26	-5.05	12.10	-0.30	-5.82
JHPAV3		12.06	0.00	-0.03	12.42	0.02	0.34
JHURT2		12.11	0.05	0.93	12.46	0.05	1.01
JKFBY7		12.02	-0.05	-0.90	12.39	-0.01	-0.24
JLBUZ8	*	11.89	-0.17	-3.31	12.24	-0.16	-3.13
JLPLNH		12.07	0.01	0.16	12.41	0.01	0.15
JRD46E		12.08	0.02	0.35	12.41	0.01	0.15
JVE8W2		12.08	0.02	0.35	12.43	0.03	0.53
JVZMAH		12.04	-0.03	-0.51	12.36	-0.04	-0.82
JZA2U3		12.13	0.06	1.22	12.45	0.05	0.92
JZWA47		12.09	0.02	0.45	12.43	0.03	0.53
K8P2P6		12.06	0.00	-0.03	12.43	0.03	0.53
KJEXNH		12.06	0.00	-0.03	12.41	0.00	0.05
LB4V3H		12.08	0.01	0.26	12.40	0.00	-0.05
LDAGT3	X	12.00	-0.06	-1.19	12.50	0.10	1.88
LQVT6C		12.03	-0.03	-0.61	12.40	0.00	-0.05
M9TELX		12.12	0.06	1.13	12.47	0.06	1.20
MANWMY		12.11	0.05	0.93	12.45	0.04	0.82
MHXJFY		12.02	-0.04	-0.80	12.38	-0.03	-0.53
MZH CZW		12.11	0.05	0.93	12.44	0.04	0.72
NALQJA	X	12.41	0.34	6.62	12.95	0.54	10.44
NC8BPD		12.11	0.04	0.84	12.44	0.03	0.63
NFL9UF		12.18	0.12	2.28	12.53	0.13	2.46
NR2ZKB		12.10	0.04	0.74	12.43	0.02	0.44
NUR2ND		12.10	0.04	0.74	12.45	0.05	0.92



Analysis 901
Ethanol (% of volume)

Table with 8 columns: WebCode, Data Flag, Lab Mean, Diff from Grand Mean, CPV (for Sample SA55), Lab Mean, Diff from Grand Mean, CPV (for Sample SA56). Rows include various codes like P2ML3D, P97MMW, etc.



Analysis 901
Ethanol (% of volume)

Table with 8 columns: WebCode, Data Flag, Lab Mean, Diff from Grand Mean, CPV (repeated for Sample SA55 and Sample SA56). Rows include ZK6ZCK, ZM76QQ, and ZTA8RK.

Summary Statistics table with 2 columns: Grand Means, Stnd Dev Btwn Labs. Includes statistics for 93 of 108 reporting participants.

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc

Comments on Assigned Data Flags for Test #901

- List of data flags with comments: NALQJA (X) - Data for both samples are high. Possible Systematic Error. AE3BLP (X) - Inconsistent in testing between samples. G2EGCH (X) - Data for both samples are high. Possible Systematic Error. 7KM2JV (X) - Data for both samples are low. Inconsistent within the determinations of both samples. 7QQ9YX (X) - Inconsistent in Testing, data for sample SA56 are low. 28PRNJ (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample SA56. TXF3VW (X) - Data for both samples are low. Possible Systematic Error. 4JE62L (X) - Data for sample SA56 are high. Inconsistent within the determinations of sample SA55. LDAGT3 (X) - Inconsistent in testing between samples. YNM3JQ (X) - Data for both samples are low. Inconsistent within the determinations of both samples. 24PHHN (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of sample SA55. J4VKY7 (X) - Data for both samples are low. Possible Systematic Error. GK7MKA (X) - Data for sample SA55 are low and data for sample SA56 are high. Inconsistent in testing between samples. 7Y33FL (X) - Data for sample SA56 are low. Inconsistent within the determinations of sample SA55. CUPBRF (X) - Data for both samples are low. Possible Systematic Error.



Analysis 901

Ethanol (% of volume)

Results by Methodology (as reported by laboratory)

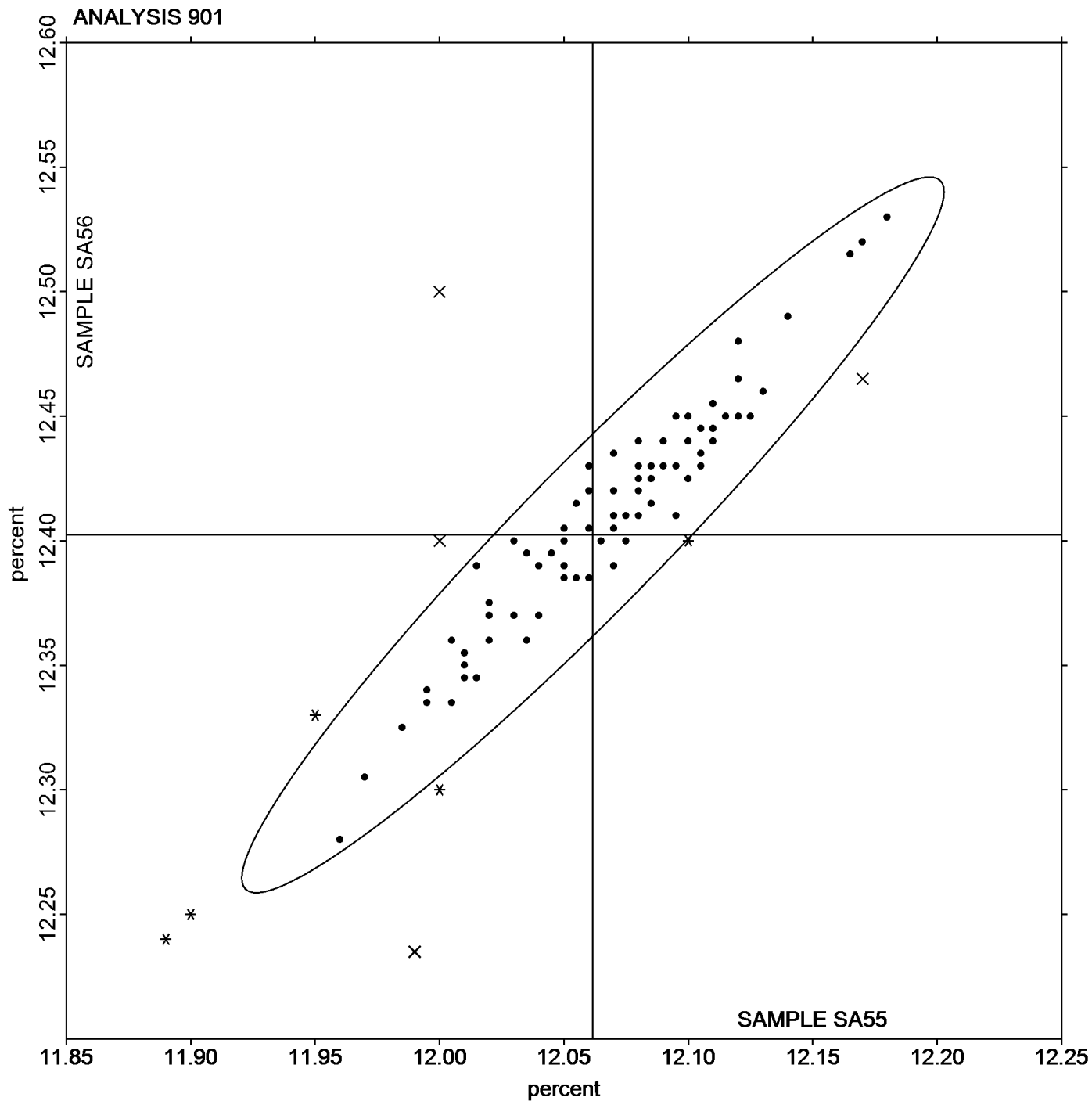
Test Methodology	Sample SA55 <i>Pinot Grigio</i>			Sample SA56 <i>Sauvignon Blanc</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Ebulliometer Method	11.900	0.000	-0.16	12.250	0.000	-0.15	1/5
Gas Chromatography Method	12.023	0.103	-0.04	12.370	0.057	-0.03	2/6
Near Infrared Method	12.073	0.043	0.01	12.414	0.046	0.01	71/73
Dist. / Density Method	12.034	0.074	-0.03	12.365	0.064	-0.04	7/11
FTIR	12.043	0.052	-0.02	12.386	0.048	-0.02	10/11
Other	12.035	0.035	-0.03	12.385	0.049	-0.02	2/2



Analysis 901

Fall 2024

Ethanol (% of volume)





Analysis 902
Total Sulfur Dioxide

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
24PHHN		80.80	-7.78	-1.35	88.80	-11.15	-2.04
28PRNJ		86.00	-2.58	-0.45	89.50	-10.45	-1.91
2LTX24		85.45	-3.13	-0.54	96.75	-3.20	-0.59
37BHFJ		91.00	2.42	0.42	102.50	2.55	0.47
3876P2	*	105.00	16.42	2.86	107.50	7.55	1.38
3QKMWZ		95.50	6.92	1.20	104.50	4.55	0.83
4FX3UF		84.50	-4.08	-0.71	99.50	-0.45	-0.08
4JE62L		88.50	-0.08	-0.01	102.50	2.55	0.47
4L3JPV	X	75.00	-13.58	-2.36	79.50	-20.45	-3.74
4NMQPH		90.50	1.92	0.33	105.50	5.55	1.02
66QKWH		79.00	-9.58	-1.67	99.00	-0.95	-0.17
679GMW		77.00	-11.58	-2.01	89.50	-10.45	-1.91
69D62L		88.00	-0.58	-0.10	105.00	5.05	0.92
6UVCBU		85.00	-3.58	-0.62	99.00	-0.95	-0.17
76774Y		91.50	2.92	0.51	96.50	-3.45	-0.63
7KM2JV	*	79.50	-9.08	-1.58	86.00	-13.95	-2.55
7QQ9YX	X	117.50	28.92	5.03	114.50	14.55	2.66
7Y33FL		97.50	8.92	1.55	113.00	13.05	2.39
82P4WT		83.50	-5.08	-0.88	98.00	-1.95	-0.36
8DW7XG		98.50	9.92	1.73	109.00	9.05	1.66
8NHA6G	*	103.00	14.42	2.51	106.00	6.05	1.11
8Q7PTQ		89.00	0.42	0.07	97.00	-2.95	-0.54
92KZKU		96.00	7.42	1.29	108.00	8.05	1.47
9VUQAV		82.50	-6.08	-1.06	99.00	-0.95	-0.17
AE3BLP		91.50	2.92	0.51	111.00	11.05	2.02
AHPURU		91.00	2.42	0.42	99.00	-0.95	-0.17
AJYWFD		88.00	-0.58	-0.10	97.00	-2.95	-0.54
AWHMCU	X	107.00	18.42	3.21	120.00	20.05	3.67
B6R9ZP		92.00	3.42	0.60	101.00	1.05	0.19
CEERV9		82.00	-6.58	-1.14	101.00	1.05	0.19
CN4EPQ		90.50	1.92	0.33	105.00	5.05	0.92
DM32J9		86.50	-2.08	-0.36	101.00	1.05	0.19
EJ2DF8		90.00	1.42	0.25	106.50	6.55	1.20
ELNWKB		90.50	1.92	0.33	98.50	-1.45	-0.27
F2W7Z6		84.00	-4.58	-0.80	94.00	-5.95	-1.09



Analysis 902
Total Sulfur Dioxide

Table with 8 columns: WebCode, Data Flag, Lab Mean, Diff from Grand Mean, CPV (for Sample SA55); Lab Mean, Diff from Grand Mean, CPV (for Sample SA56). Rows include various codes like FHLFKL, FLKRGL, G2EGCH, etc.



Analysis 902
Total Sulfur Dioxide

Table with 8 columns: WebCode, Data Flag, Lab Mean, Diff from Grand Mean, CPV (for Sample SA55), Lab Mean, Diff from Grand Mean, CPV (for Sample SA56). Rows list various sample codes and their corresponding values.



Analysis 902
Total Sulfur Dioxide

Grand Means		Summary Statistics	
	88.576 mg/L		99.952 mg/L
Std Dev Btwn Labs			5.465 mg/L
	5.747 mg/L		
Statistics based on 96 of 103 reporting participants			

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc

Comments on Assigned Data Flags for Test #902

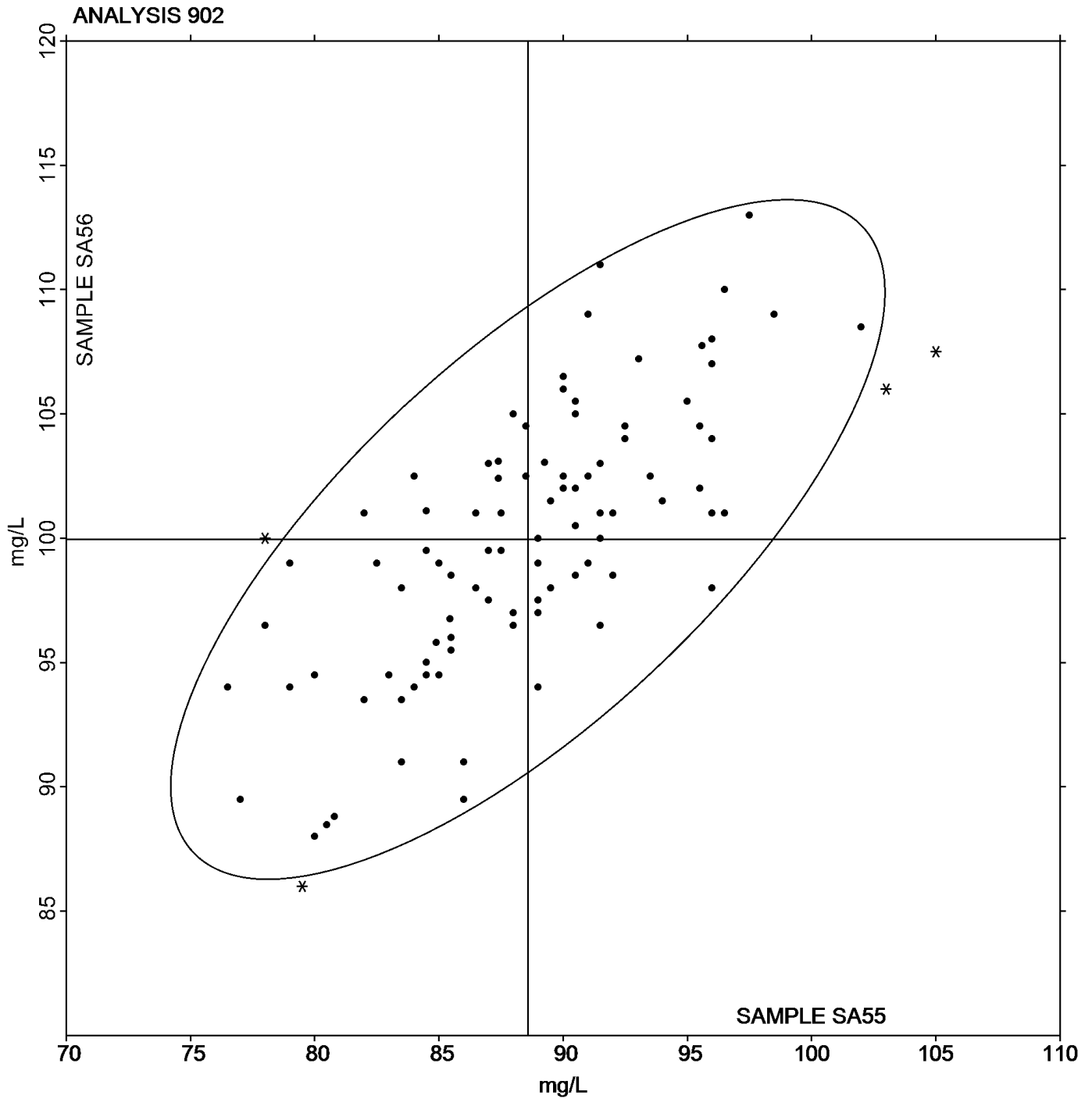
- 7QQ9YX (X) - Inconsistent in testing, data for sample SA55 are high.
- AWHMCU (X) - Data for both samples are high. Possible Systematic Error.
- M4YE83 (X) - Data for both samples are low. Possible Systematic Error.
- 4L3JPV (X) - Inconsistent in testing, data for sample SA56 are low.
- GJUQDJ (X) - Data for both samples are high. Possible Systematic Error.
- NC8BPD (X) - Data for both samples are high. Possible Systematic Error.
- FLKRGL (X) - Data for both samples are high. Possible Systematic Error.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA55 <i>Pinot Grigio</i>			Sample SA56 <i>Sauvignon Blanc</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Ripper Method	86.631	4.767	-1.95	98.624	5.024	-1.33	42/42
Aeration Oxidation (AO) Method	86.498	4.959	-2.08	96.609	5.626	-3.34	9/10
Segmented Flow Analyzer	85.286	5.514	-3.29	97.143	5.194	-2.81	7/7
Enzymatic Method	91.023	5.543	2.45	102.769	5.037	2.82	13/17
Colorimetric Analyzer	93.611	4.797	5.03	104.625	4.230	4.67	14/15
FTIR	92.900	6.646	4.32	101.300	4.618	1.35	5/5
Flow Injection Analysis	88.500	6.033	-0.08	99.417	4.800	-0.54	6/7



Analysis 902
Total Sulfur Dioxide





Analysis 903

Free Sulfur Dioxide

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
24PHHN	*	26.25	6.41	2.41	23.70	2.06	0.89
28PRNJ		20.50	0.66	0.25	21.50	-0.14	-0.06
2LTX24		17.90	-1.94	-0.73	22.45	0.81	0.35
37BHFJ		18.50	-1.34	-0.50	20.50	-1.14	-0.49
3876P2		21.95	2.11	0.79	19.55	-2.09	-0.90
3QKMWZ		19.00	-0.84	-0.32	19.00	-2.64	-1.13
4FX3UF		16.00	-3.84	-1.44	20.00	-1.64	-0.70
4JE62L		20.50	0.66	0.25	19.50	-2.14	-0.92
4L3JPV		16.50	-3.34	-1.25	19.50	-2.14	-0.92
4NMQPH		23.50	3.66	1.38	25.50	3.86	1.66
66QKWH		16.00	-3.84	-1.44	21.00	-0.64	-0.27
679GMW		17.00	-2.84	-1.07	21.00	-0.64	-0.27
69D62L		19.00	-0.84	-0.32	22.50	0.86	0.37
6UVCBU		18.00	-1.84	-0.69	19.00	-2.64	-1.13
76774Y		26.00	6.16	2.31	23.50	1.86	0.80
7KM2JV		15.00	-4.84	-1.82	20.00	-1.64	-0.70
7Q9YX		25.00	5.16	1.94	24.50	2.86	1.23
7Y33FL		20.00	0.16	0.06	21.50	-0.14	-0.06
82P4WT	X	9.80	-10.04	-3.77	14.00	-7.64	-3.29
8DW7XG		20.90	1.06	0.40	22.10	0.46	0.20
8NHA6G		21.00	1.16	0.44	20.00	-1.64	-0.70
8Q7PTQ		21.00	1.16	0.44	25.00	3.36	1.45
92KZKU		18.50	-1.34	-0.50	19.00	-2.64	-1.13
9VUQAV		16.50	-3.34	-1.25	22.50	0.86	0.37
AE3BLP		19.50	-0.34	-0.13	23.00	1.36	0.59
AHPURU		18.50	-1.34	-0.50	21.00	-0.64	-0.27
AJYWFD		22.00	2.16	0.81	24.00	2.36	1.02
AWHMCU		22.00	2.16	0.81	24.00	2.36	1.02
AWMY2C		15.28	-4.56	-1.71	20.05	-1.59	-0.68
B6R9ZP		19.00	-0.84	-0.32	21.00	-0.64	-0.27
CCA2QE		18.50	-1.34	-0.50	20.00	-1.64	-0.70
CEERV9		20.00	0.16	0.06	24.00	2.36	1.02
CN4EPQ		17.00	-2.84	-1.07	21.00	-0.64	-0.27
DM32J9		23.00	3.16	1.19	24.00	2.36	1.02
EJ2DF8		17.50	-2.34	-0.88	23.00	1.36	0.59



ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #078

Analysis 903

Fall 2024

Free Sulfur Dioxide

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
ELNWKB		18.50	-1.34	-0.50	20.50	-1.14	-0.49
F2W7Z6		20.00	0.16	0.06	20.00	-1.64	-0.70
FHLFKL		20.00	0.16	0.06	24.00	2.36	1.02
FLKRGL		17.00	-2.84	-1.07	18.00	-3.64	-1.57
G2EGCH		24.00	4.16	1.56	23.00	1.36	0.59
GHY8BH		20.00	0.16	0.06	21.00	-0.64	-0.27
GJUQDJ		18.50	-1.34	-0.50	21.50	-0.14	-0.06
GK7MKA		19.76	-0.08	-0.03	25.15	3.51	1.51
HBZXM6		21.00	1.16	0.44	23.00	1.36	0.59
HJPQRA		20.00	0.16	0.06	20.00	-1.64	-0.70
J4VKY7		21.00	1.16	0.44	21.00	-0.64	-0.27
JHPAV3		23.00	3.16	1.19	24.50	2.86	1.23
JHURT2		18.50	-1.34	-0.50	20.50	-1.14	-0.49
JKFBY7	*	19.00	-0.84	-0.32	26.00	4.36	1.88
JLBUZ8	*	13.91	-5.93	-2.23	15.92	-5.72	-2.46
JLPLNH		23.00	3.16	1.19	25.00	3.36	1.45
JRD46E		19.00	-0.84	-0.32	19.00	-2.64	-1.13
JVE8W2		19.50	-0.34	-0.13	25.00	3.36	1.45
JVZMAH		20.50	0.66	0.25	21.50	-0.14	-0.06
JZA2U3		20.65	0.81	0.30	22.05	0.41	0.18
JZWA47		18.00	-1.84	-0.69	19.50	-2.14	-0.92
K8P2P6		16.00	-3.84	-1.44	17.50	-4.14	-1.78
KJEXNH		22.50	2.66	1.00	19.50	-2.14	-0.92
LB4V3H	X	23.00	3.16	1.19	29.00	7.36	3.17
LDAGT3		16.00	-3.84	-1.44	16.80	-4.84	-2.08
LQVT6C		18.50	-1.34	-0.50	20.00	-1.64	-0.70
M4YE83	X	9.00	-10.84	-4.07	13.00	-8.64	-3.72
M9TELX		22.00	2.16	0.81	21.00	-0.64	-0.27
MANWMY		24.00	4.16	1.56	24.00	2.36	1.02
MHXJFY		20.50	0.66	0.25	26.50	4.86	2.09
MZH CZW		21.00	1.16	0.44	22.00	0.36	0.16
NALQJA		18.00	-1.84	-0.69	18.00	-3.64	-1.57
NC8BPD		20.50	0.66	0.25	20.00	-1.64	-0.70
NFL9UF		22.15	2.31	0.87	25.85	4.21	1.81
NR2ZKB		21.50	1.66	0.62	23.00	1.36	0.59



Free Sulfur Dioxide

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
NUR2ND	*	24.00	4.16	1.56	28.00	6.36	2.74
P2ML3D		16.50	-3.34	-1.25	20.00	-1.64	-0.70
P97MMW		20.30	0.46	0.17	20.50	-1.14	-0.49
PDE899		20.00	0.16	0.06	22.00	0.36	0.16
PGCTZC		19.00	-0.84	-0.32	21.00	-0.64	-0.27
QC2V7X		24.50	4.66	1.75	22.50	0.86	0.37
QJLXDZ		19.00	-0.84	-0.32	19.00	-2.64	-1.13
QLL7HB		16.50	-3.34	-1.25	22.00	0.36	0.16
QUH48X		18.50	-1.34	-0.50	19.50	-2.14	-0.92
RQZ2ZT		19.50	-0.34	-0.13	22.50	0.86	0.37
RUEY7U		21.00	1.16	0.44	23.50	1.86	0.80
RWZJBY		22.50	2.66	1.00	23.50	1.86	0.80
TDKTDR		18.00	-1.84	-0.69	19.00	-2.64	-1.13
TV6KCQ		18.00	-1.84	-0.69	21.00	-0.64	-0.27
TXF3VW		20.50	0.66	0.25	26.00	4.36	1.88
UYGRBA		19.50	-0.34	-0.13	18.50	-3.14	-1.35
V8T7T7		22.00	2.16	0.81	23.00	1.36	0.59
VAJ8W9		16.00	-3.84	-1.44	19.52	-2.12	-0.91
VHDA3Q		20.50	0.66	0.25	24.30	2.66	1.15
VJ83XA		15.20	-4.64	-1.74	18.95	-2.69	-1.16
VZXYFR		20.00	0.16	0.06	20.00	-1.64	-0.70
W4QPV3		21.00	1.16	0.44	22.50	0.86	0.37
W7C9Z7	*	26.50	6.66	2.50	23.00	1.36	0.59
W88R38		17.15	-2.69	-1.01	20.95	-0.69	-0.30
WFGFF7		18.50	-1.34	-0.50	19.00	-2.64	-1.13
WP82NP		18.00	-1.84	-0.69	21.00	-0.64	-0.27
WYWMUM	X	11.00	-8.84	-3.32	14.00	-7.64	-3.29
XP4YBQ		21.00	1.16	0.44	24.00	2.36	1.02
YKNNW2		20.00	0.16	0.06	23.50	1.86	0.80
YMRJGP		18.00	-1.84	-0.69	20.00	-1.64	-0.70
YNM3JQ		24.50	4.66	1.75	23.00	1.36	0.59
YQAG8Z		16.00	-3.84	-1.44	18.50	-3.14	-1.35
YUCKX2		18.50	-1.34	-0.50	20.00	-1.64	-0.70
YWZUAN		26.00	6.16	2.31	26.00	4.36	1.88
Z26CH2		24.50	4.66	1.75	22.00	0.36	0.16



Free Sulfur Dioxide

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
ZBUZD4		19.50	-0.34	-0.13	22.50	0.86	0.37
ZK6ZCK		21.00	1.16	0.44	21.00	-0.64	-0.27
ZM76QQ		18.56	-1.28	-0.48	19.37	-2.26	-0.97
ZTA8RK		19.20	-0.64	-0.24	23.10	1.46	0.63

Grand Means	Summary Statistics
19.840 mg/L	21.636 mg/L
Stnd Dev Btwn Labs	
2.662 mg/L	2.323 mg/L
Statistics based on 105 of 109 reporting participants	

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc

Comments on Assigned Data Flags for Test #903

82P4WT (X) - Data for both samples are low.

LB4V3H (X) - Data for sample SA56 are high.

WYWMUM (X) - Data for both samples are low.

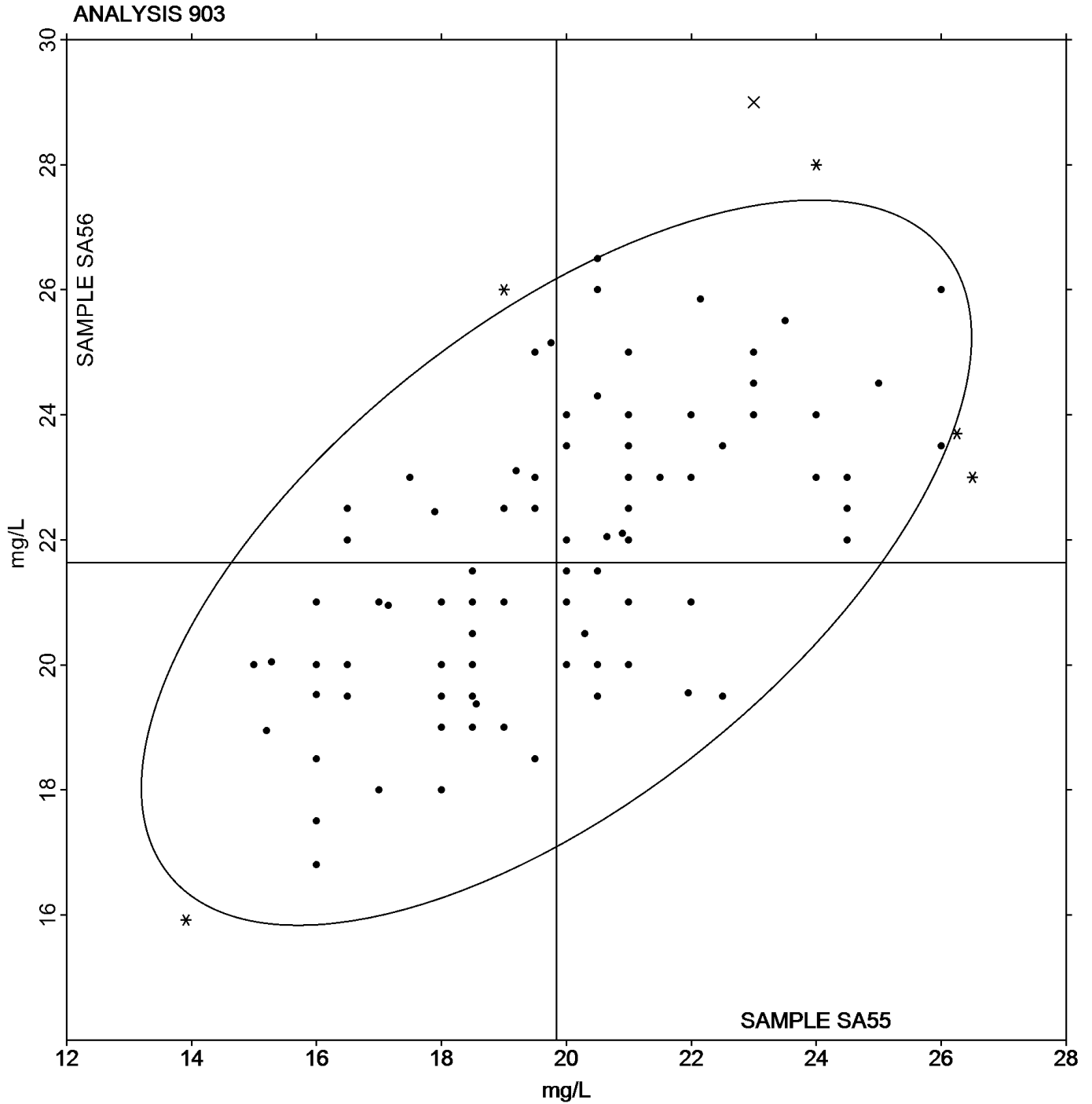
M4YE83 (X) - Data for both samples are low.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA55 <i>Pinot Grigio</i>			Sample SA56 <i>Sauvignon Blanc</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method used	18.500	0.000	-1.34	20.500	0.000	-1.14	1/1
Ripper Method	21.439	2.750	1.60	22.820	2.107	1.18	36/36
Aeration Oxidation (AO) Method	17.811	1.798	-2.03	20.464	2.028	-1.17	24/25
Segmented Flow Analyzer	18.583	1.158	-1.26	21.000	2.588	-0.64	6/8
Enzymatic Method	20.073	2.044	0.23	20.727	1.902	-0.91	11/11
Colormetric Analyzer	19.370	2.237	-0.47	21.981	2.453	0.34	13/14
Flow Injection Analysis	20.206	3.141	0.37	21.131	2.186	-0.51	8/8
FTIR	19.942	1.634	0.10	21.642	2.685	0.01	6/6



Analysis 903
Free Sulfur Dioxide





Analysis 904
Titratable Acidity

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
24PHHN		4.875	-0.355	-1.41	5.315	-0.331	-1.32
28PRNJ		5.381	0.150	0.60	5.842	0.196	0.78
2LTX24		4.950	-0.280	-1.11	5.340	-0.306	-1.22
37BHFJ		4.900	-0.330	-1.31	5.350	-0.296	-1.18
3876P2		5.263	0.033	0.13	5.595	-0.051	-0.20
3QKMWZ		5.200	-0.030	-0.12	5.700	0.054	0.22
4FX3UF		5.000	-0.230	-0.92	5.400	-0.246	-0.98
4JE62L	*	5.821	0.591	2.35	6.301	0.655	2.61
4L3JPV		5.275	0.045	0.18	5.745	0.099	0.40
4NMQPH		4.920	-0.310	-1.23	5.305	-0.341	-1.36
66QKWH		5.485	0.255	1.01	5.955	0.309	1.23
679GMW		5.510	0.280	1.11	6.050	0.404	1.61
69D62L		5.100	-0.130	-0.52	5.550	-0.096	-0.38
6UVCBU		5.000	-0.230	-0.92	5.500	-0.146	-0.58
76774Y		5.200	-0.030	-0.12	5.700	0.054	0.22
7KM2JV	X	5.765	0.535	2.12	5.800	0.154	0.61
7QQ9YX	X	4.420	-0.810	-3.22	5.110	-0.536	-2.14
7Y33FL	X	5.705	0.475	1.89	6.545	0.899	3.58
82P4WT		5.510	0.280	1.11	5.965	0.319	1.27
8DW7XG		5.095	-0.135	-0.54	5.550	-0.096	-0.38
8NHA6G		5.000	-0.230	-0.92	5.450	-0.196	-0.78
8Q7PTQ		5.040	-0.190	-0.76	5.440	-0.206	-0.82
92KZKU		5.810	0.580	2.30	6.245	0.599	2.39
9VUQAV	X	5.200	-0.030	-0.12	5.300	-0.346	-1.38
AE3BLP		5.100	-0.130	-0.52	5.600	-0.046	-0.18
AHPURU		4.950	-0.280	-1.11	5.375	-0.271	-1.08
AJYWFD		4.940	-0.290	-1.15	5.335	-0.311	-1.24
AWHMCU		5.450	0.220	0.87	5.750	0.104	0.42
AWMY2C	*	5.880	0.650	2.58	6.215	0.569	2.27
B6R9ZP		5.200	-0.030	-0.12	5.700	0.054	0.22
CCA2QE		5.150	-0.080	-0.32	5.500	-0.146	-0.58
CEERV9		4.950	-0.280	-1.11	5.300	-0.346	-1.38
DM32J9		5.335	0.105	0.42	5.655	0.009	0.04
EJ2DF8		5.460	0.230	0.91	5.840	0.194	0.77
ELNWKB		5.000	-0.230	-0.92	5.400	-0.246	-0.98



Analysis 904
Titratable Acidity

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
F2W7Z6		5.000	-0.230	-0.92	5.600	-0.046	-0.18
FHLFKL		5.025	-0.205	-0.82	5.470	-0.176	-0.70
FLKRGL		5.200	-0.030	-0.12	5.450	-0.196	-0.78
G2EGCH		5.200	-0.030	-0.12	5.600	-0.046	-0.18
GHY8BH		5.065	-0.165	-0.66	5.490	-0.156	-0.62
GJUQDJ		5.225	-0.005	-0.02	5.660	0.014	0.06
GK7MKA		5.525	0.295	1.17	6.010	0.364	1.45
HBZXM6		5.400	0.170	0.67	5.700	0.054	0.22
HJPQRA		5.075	-0.155	-0.62	5.420	-0.226	-0.90
J4VKY7	X	4.910	-0.320	-1.27	6.820	1.174	4.68
JHPAV3		5.285	0.055	0.22	5.825	0.179	0.71
JHURT2		5.300	0.070	0.28	5.800	0.154	0.61
JKFBY7		5.510	0.280	1.11	5.985	0.339	1.35
JLBUZ8		5.190	-0.040	-0.16	5.470	-0.176	-0.70
JLPLNH		4.935	-0.295	-1.17	5.310	-0.336	-1.34
JRD46E		5.100	-0.130	-0.52	5.500	-0.146	-0.58
JVE8W2		5.525	0.295	1.17	5.915	0.269	1.07
JVZMAH		5.000	-0.230	-0.92	5.400	-0.246	-0.98
JZWA47		5.200	-0.030	-0.12	5.650	0.004	0.02
K8P2P6	*	5.900	0.670	2.66	6.300	0.654	2.61
KJEXNH		4.920	-0.310	-1.23	5.370	-0.276	-1.10
LB4V3H		5.400	0.170	0.67	5.700	0.054	0.22
LDAGT3		5.175	-0.055	-0.22	5.550	-0.096	-0.38
LQVT6C		5.340	0.110	0.44	5.805	0.159	0.63
M4YE83	X	4.440	-0.790	-3.14	5.450	-0.196	-0.78
M9TELX		5.285	0.055	0.22	5.600	-0.046	-0.18
MANWMY		5.195	-0.035	-0.14	5.580	-0.066	-0.26
MHXJFY		4.940	-0.290	-1.15	5.330	-0.316	-1.26
MZH CZW		5.570	0.340	1.35	5.835	0.189	0.75
N7LFNA		5.550	0.320	1.27	5.933	0.287	1.14
NALQJA		5.400	0.170	0.67	5.900	0.254	1.01
NC8BPD		5.150	-0.080	-0.32	5.700	0.054	0.22
NFL9UF		4.910	-0.320	-1.27	5.495	-0.151	-0.60
NR2ZKB		5.450	0.220	0.87	5.750	0.104	0.42
NUR2ND		5.150	-0.080	-0.32	5.540	-0.106	-0.42



Analysis 904
Titratable Acidity

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
P2ML3D	X	6.200	0.970	3.85	6.550	0.904	3.60
P97MMW		5.425	0.195	0.77	5.880	0.234	0.93
PDE899		5.055	-0.175	-0.70	5.425	-0.221	-0.88
PGCTZC		5.200	-0.030	-0.12	5.700	0.054	0.22
QC2V7X		4.930	-0.300	-1.19	5.425	-0.221	-0.88
QJLXDZ		5.200	-0.030	-0.12	5.600	-0.046	-0.18
QLL7HB		4.930	-0.300	-1.19	5.345	-0.301	-1.20
QUH48X		5.250	0.020	0.08	5.550	-0.096	-0.38
RQZ2ZT	X	6.200	0.970	3.85	6.700	1.054	4.20
RUEY7U		5.194	-0.036	-0.14	5.655	0.009	0.03
RWZJBY		5.100	-0.130	-0.52	5.500	-0.146	-0.58
TDKTDR		5.100	-0.130	-0.52	5.500	-0.146	-0.58
TV6KCQ		5.120	-0.110	-0.44	5.570	-0.076	-0.30
TXF3VW		5.640	0.410	1.63	6.105	0.459	1.83
UYGRBA		5.450	0.220	0.87	5.800	0.154	0.61
V8T7T7		5.335	0.105	0.42	5.650	0.004	0.02
VHDA3Q		5.325	0.095	0.38	5.665	0.019	0.08
VJ83XA		5.065	-0.165	-0.66	5.510	-0.136	-0.54
VZXYFR		5.100	-0.130	-0.52	5.500	-0.146	-0.58
W4QPV3		4.820	-0.410	-1.63	5.245	-0.401	-1.60
W7C9Z7		5.685	0.455	1.81	6.165	0.519	2.07
W88R38		4.975	-0.255	-1.02	5.390	-0.256	-1.02
WFGFF7		5.100	-0.130	-0.52	5.700	0.054	0.22
WP82NP		5.150	-0.080	-0.32	5.600	-0.046	-0.18
WYWMUM		5.460	0.230	0.91	5.850	0.204	0.81
XP4YBQ		5.100	-0.130	-0.52	5.500	-0.146	-0.58
YKNNW2		5.450	0.220	0.87	5.900	0.254	1.01
YMRJGP		5.100	-0.130	-0.52	5.500	-0.146	-0.58
YNM3JQ	X	6.040	0.810	3.22	6.335	0.689	2.75
YQAG8Z	*	4.850	-0.380	-1.51	5.100	-0.546	-2.18
YUCKX2		5.550	0.320	1.27	5.950	0.304	1.21
YWZUAN		5.000	-0.230	-0.92	5.600	-0.046	-0.18
Z26CH2		5.085	-0.145	-0.58	5.495	-0.151	-0.60
ZBUZD4		5.240	0.010	0.04	5.545	-0.101	-0.40
ZK6ZCK		5.270	0.040	0.16	5.745	0.099	0.40



Analysis 904
Titratable Acidity

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
ZM76QQ		5.700	0.470	1.87	5.995	0.349	1.39
ZTA8RK	*	5.785	0.555	2.20	6.025	0.379	1.51

Grand Means	Summary Statistics
5.2304 g/L as tartaric acid	5.6459 g/L as tartaric acid
Std Dev Btwn Labs	
0.2516 g/L as tartaric acid	0.2509 g/L as tartaric acid
Statistics based on 98 of 107 reporting participants	

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc

Comments on Assigned Data Flags for Test #904

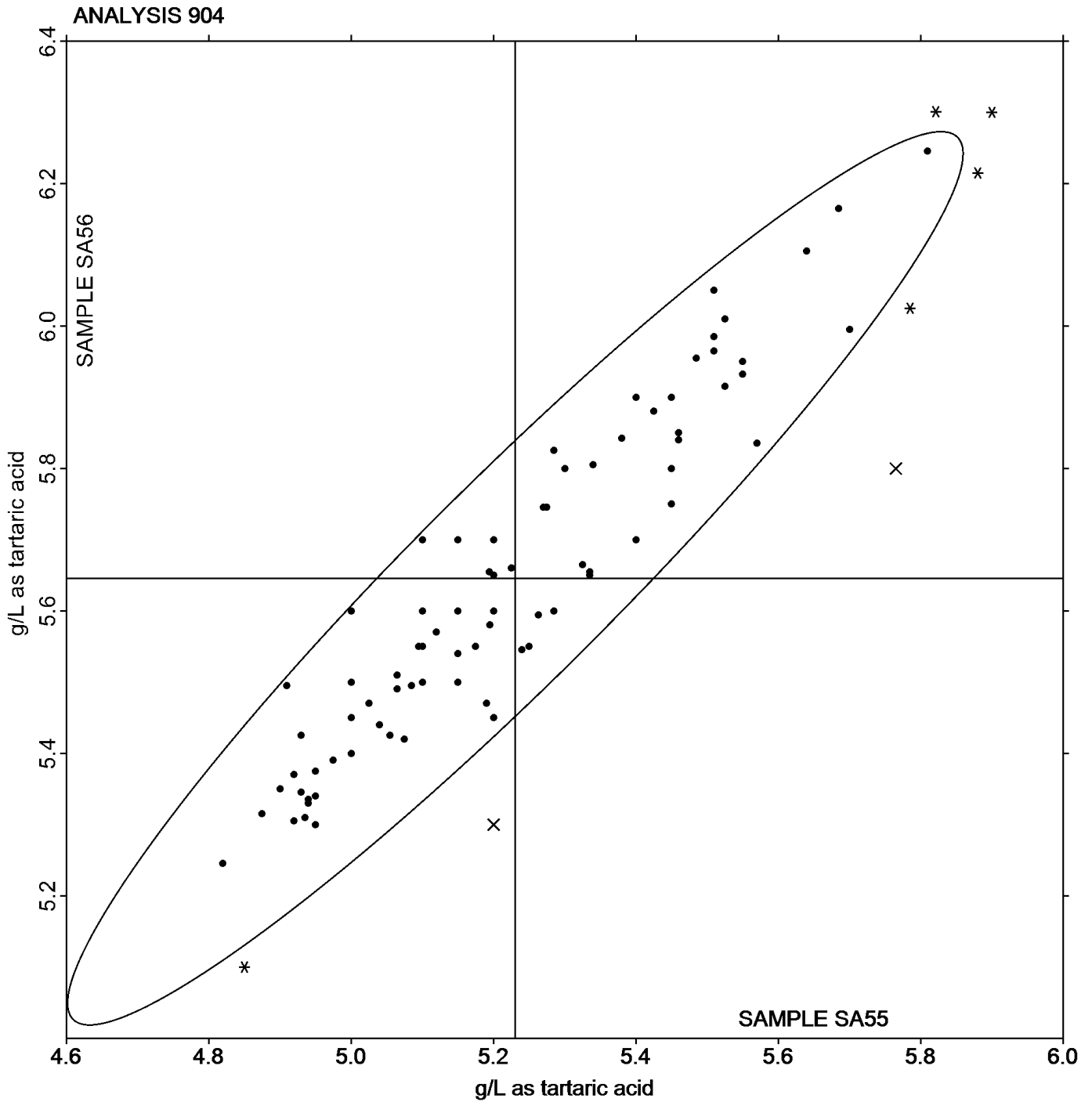
- 7KM2JV (X) - Inconsistent in testing between samples. Inconsistent within the determinations of both samples.
- P2ML3D (X) - Data for both samples are high. Possible Systematic Error.
- 7QQ9YX (X) - Inconsistent in testing, data for sample SA55 are low.
- 9VUQAV (X) - Inconsistent in testing between samples.
- RQZ2ZT (X) - Data for both samples are high. Possible Systematic Error.
- M4YE83 (X) - Inconsistent in testing, data for sample SA55 are low.
- YNM3JQ (X) - Inconsistent in testing, data for sample SA55 are high.
- J4VKY7 (X) - Inconsistent in testing, data for sample SA56 are high.
- 7Y33FL (X) - Inconsistent in testing, data for sample SA56 are high. Inconsistent within the determinations of sample SA56.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA55 <i>Pinot Grigio</i>			Sample SA56 <i>Sauvignon Blanc</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method	5.250	0.212	0.020	5.725	0.247	0.079	2/3
Autotitration	5.254	0.268	0.024	5.657	0.270	0.011	69/72
Manual Titration	5.154	0.221	-0.077	5.575	0.225	-0.071	15/19
FTIR	5.156	0.155	-0.075	5.629	0.132	-0.017	11/12
Segmented Flow Analyzer	5.510	0.000	0.280	5.965	0.000	0.319	1/1



Analysis 904
Titratable Acidity





Analysis 905
Volatile Acidity

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
28PRNJ	*	0.2220	-0.0075	-0.28	0.2395	-0.0476	-1.61
2LTX24		0.2010	-0.0285	-1.05	0.2640	-0.0231	-0.78
37BHfJ		0.2150	-0.0145	-0.54	0.2500	-0.0371	-1.25
3876P2		0.2150	-0.0145	-0.54	0.2900	0.0029	0.10
3QKMWZ		0.2200	-0.0095	-0.35	0.2600	-0.0271	-0.91
4FX3UF		0.2250	-0.0045	-0.17	0.3000	0.0129	0.44
4JE62L		0.2500	0.0205	0.76	0.3200	0.0329	1.11
4L3JPV		0.2280	-0.0015	-0.05	0.2715	-0.0156	-0.53
4NMQPH		0.2050	-0.0245	-0.91	0.2750	-0.0121	-0.41
66QKWH		0.2200	-0.0095	-0.35	0.2900	0.0029	0.10
679GMW	X	0.3150	0.0855	3.17	0.4050	0.1179	3.99
69D62L		0.2300	0.0005	0.02	0.3100	0.0229	0.78
76774Y		0.2500	0.0205	0.76	0.3100	0.0229	0.78
7KM2JV	*	0.2900	0.0605	2.24	0.3250	0.0379	1.28
7QQ9YX		0.2500	0.0205	0.76	0.3000	0.0129	0.44
7Y33FL	X	0.3200	0.0905	3.35	0.2750	-0.0121	-0.41
82P4WT		0.2900	0.0605	2.24	0.3600	0.0729	2.46
8DW7XG		0.2420	0.0125	0.46	0.3025	0.0154	0.52
8NHA6G	X	0.3300	0.1005	3.72	0.3750	0.0879	2.97
8Q7PTQ		0.2150	-0.0145	-0.54	0.2850	-0.0021	-0.07
92KZKU		0.2100	-0.0195	-0.72	0.2700	-0.0171	-0.58
9VUQAV		0.2200	-0.0095	-0.35	0.2700	-0.0171	-0.58
AE3BLP		0.2100	-0.0195	-0.72	0.2700	-0.0171	-0.58
AHPURU		0.2350	0.0055	0.21	0.2850	-0.0021	-0.07
AJYWFD		0.2350	0.0055	0.21	0.3050	0.0179	0.61
AWHMCU		0.2450	0.0155	0.58	0.3100	0.0229	0.78
AWMY2C	*	0.3100	0.0805	2.98	0.3600	0.0729	2.46
B6R9ZP		0.2150	-0.0145	-0.54	0.2500	-0.0371	-1.25
CCA2QE		0.2050	-0.0245	-0.91	0.2750	-0.0121	-0.41
CEERV9		0.2800	0.0505	1.87	0.3450	0.0579	1.96
DM32J9		0.1900	-0.0395	-1.46	0.2450	-0.0421	-1.42
EJ2DF8		0.2400	0.0105	0.39	0.3100	0.0229	0.78
ELNWKB		0.2100	-0.0195	-0.72	0.2800	-0.0071	-0.24
F2W7Z6		0.2200	-0.0095	-0.35	0.2800	-0.0071	-0.24
FHLFKL		0.2750	0.0455	1.69	0.3450	0.0579	1.96



Analysis 905
Volatile Acidity

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
FLKRGL		0.2750	0.0455	1.69	0.3400	0.0529	1.79
G2EGCH		0.2200	-0.0095	-0.35	0.2900	0.0029	0.10
GHY8BH		0.2050	-0.0245	-0.91	0.2800	-0.0071	-0.24
GJUQDJ	X	0.3300	0.1005	3.72	0.4140	0.1269	4.29
HBZXM6		0.2150	-0.0145	-0.54	0.2750	-0.0121	-0.41
HJPQRA		0.2350	0.0055	0.21	0.3100	0.0229	0.78
J4VKY7	X	0.2800	0.0505	1.87	0.4000	0.1129	3.82
JHURT2		0.1800	-0.0495	-1.83	0.2400	-0.0471	-1.59
JKFBY7		0.2050	-0.0245	-0.91	0.2800	-0.0071	-0.24
JLBUZ8	X	0.3200	0.0905	3.35	0.3600	0.0729	2.46
JLPLNH		0.2200	-0.0095	-0.35	0.2750	-0.0121	-0.41
JRD46E		0.2400	0.0105	0.39	0.3000	0.0129	0.44
JVE8W2		0.2250	-0.0045	-0.17	0.2700	-0.0171	-0.58
JVZMAH		0.2350	0.0055	0.21	0.3050	0.0179	0.61
JZA2U3		0.2100	-0.0195	-0.72	0.2400	-0.0471	-1.59
JZWA47		0.2350	0.0055	0.21	0.2950	0.0079	0.27
K8P2P6		0.2355	0.0060	0.22	0.2960	0.0089	0.30
KJEXNH		0.2250	-0.0045	-0.17	0.2800	-0.0071	-0.24
LB4V3H		0.1800	-0.0495	-1.83	0.2450	-0.0421	-1.42
LDAGT3	*	0.1500	-0.0795	-2.94	0.2050	-0.0821	-2.77
LQVT6C		0.2100	-0.0195	-0.72	0.2450	-0.0421	-1.42
M4YE83		0.2300	0.0005	0.02	0.2900	0.0029	0.10
M9TELX		0.2500	0.0205	0.76	0.3000	0.0129	0.44
MANWMY		0.2300	0.0005	0.02	0.2900	0.0029	0.10
MHXJFY		0.2250	-0.0045	-0.17	0.3000	0.0129	0.44
MZH CZW		0.2350	0.0055	0.21	0.2950	0.0079	0.27
NALQJA		0.2450	0.0155	0.58	0.2850	-0.0021	-0.07
NC8BPD		0.2375	0.0080	0.30	0.2895	0.0024	0.08
NFL9UF	*	0.2000	-0.0295	-1.09	0.2250	-0.0621	-2.10
NR2ZKB		0.2300	0.0005	0.02	0.2600	-0.0271	-0.91
NUR2ND		0.2045	-0.0250	-0.92	0.2620	-0.0251	-0.85
P2ML3D		0.2400	0.0105	0.39	0.3000	0.0129	0.44
P97MMW		0.2250	-0.0045	-0.17	0.2700	-0.0171	-0.58
PDE899	X	0.2305	0.0010	0.04	0.3445	0.0574	1.94
PGCTZC	*	0.2400	0.0105	0.39	0.2550	-0.0321	-1.08



Analysis 905
Volatile Acidity

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
QC2V7X		0.2150	-0.0145	-0.54	0.2550	-0.0321	-1.08
QJLXDZ		0.2300	0.0005	0.02	0.2900	0.0029	0.10
QLL7HB		0.2350	0.0055	0.21	0.3000	0.0129	0.44
QUH48X		0.2200	-0.0095	-0.35	0.2850	-0.0021	-0.07
RQZ2ZT		0.2150	-0.0145	-0.54	0.2750	-0.0121	-0.41
RUEY7U	*	0.3010	0.0715	2.65	0.3550	0.0679	2.30
RWZJBY	X	0.2100	-0.0195	-0.72	0.1850	-0.1021	-3.45
TDKTDR		0.2300	0.0005	0.02	0.2900	0.0029	0.10
TV6KCQ		0.2500	0.0205	0.76	0.3100	0.0229	0.78
TXF3VW	*	0.3000	0.0705	2.61	0.3500	0.0629	2.13
UYGRBA		0.2400	0.0105	0.39	0.3100	0.0229	0.78
V8T7T7		0.1800	-0.0495	-1.83	0.2400	-0.0471	-1.59
VAJ8W9		0.2350	0.0055	0.21	0.3150	0.0279	0.94
VJ83XA		0.2590	0.0295	1.09	0.3295	0.0424	1.43
VZXYFR		0.2300	0.0005	0.02	0.2850	-0.0021	-0.07
W4QPV3		0.2200	-0.0095	-0.35	0.2850	-0.0021	-0.07
W7C9Z7	X	0.2000	-0.0295	-1.09	0.3100	0.0229	0.78
W88R38		0.2450	0.0155	0.58	0.3050	0.0179	0.61
WFGFF7	*	0.2400	0.0105	0.39	0.2600	-0.0271	-0.91
WP82NP		0.2250	-0.0045	-0.17	0.2850	-0.0021	-0.07
WYWMUM		0.2000	-0.0295	-1.09	0.2700	-0.0171	-0.58
XP4YBQ	X	0.1050	-0.1245	-4.61	0.1400	-0.1471	-4.97
YKNNW2		0.2400	0.0105	0.39	0.3100	0.0229	0.78
YMRJGP		0.2300	0.0005	0.02	0.2800	-0.0071	-0.24
YNM3JQ		0.2100	-0.0195	-0.72	0.2800	-0.0071	-0.24
YQAG8Z		0.2750	0.0455	1.69	0.3200	0.0329	1.11
YUCKX2		0.2250	-0.0045	-0.17	0.2900	0.0029	0.10
YWZUAN		0.2400	0.0105	0.39	0.2800	-0.0071	-0.24
Z26CH2	X	0.3550	0.1255	4.65	0.3950	0.1079	3.65
ZBUZD4		0.2400	0.0105	0.39	0.2900	0.0029	0.10
ZK6ZCK		0.2250	-0.0045	-0.17	0.2850	-0.0021	-0.07
ZM76QQ		0.1750	-0.0545	-2.02	0.2450	-0.0421	-1.42
ZTA8RK		0.2200	-0.0095	-0.35	0.2900	0.0029	0.10



**Analysis 905
Volatile Acidity**

Grand Means	Summary Statistics	
0.22946 g/L as acetic acid	0.28706 g/L as acetic acid	0.28706 g/L as acetic acid
Std Dev Btwn Labs	0.02701 g/L as acetic acid	0.02959 g/L as acetic acid
Statistics based on 92 of 103 reporting participants		

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc

Comments on Assigned Data Flags for Test #905

- PDE899 (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample SA56.
- GJUQDJ (X) - Data for both samples are high. Possible Systematic Error.
- 679GMW (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of both samples.
- Z26CH2 (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of both samples.
- W7C9Z7 (X) - Inconsistent in testing between samples.
- 8NHA6G (X) - Data for both samples are high. Possible Systematic Error.
- XP4YBQ (X) - Data for both samples are low. Possible Systematic Error.
- J4VKY7 (X) - Inconsistent in testing, data for sample SA56 are high.
- JLBUZ8 (X) - Inconsistent in testing, data for sample SA55 are high.
- RWZJBY (X) - Data for sample SA56 are low. Inconsistent within the determinations of both samples.
- 7Y33FL (X) - Inconsistent in testing, data for sample SA55 are high.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA55 <i>Pinot Grigio</i>			Sample SA56 <i>Sauvignon Blanc</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method	0.235	0.000	0.0055	0.305	0.000	0.0179	1/2
Cash Still method	0.279	0.019	0.0495	0.328	0.020	0.0409	5/6
Enzymatic method	0.227	0.025	-0.0022	0.288	0.026	0.0011	73/79
GC							0/1
Colorimetric Analysis	0.228	0.011	-0.0020	0.295	0.007	0.0079	2/2
Seg. Flow / Colorimetric Analyzer	0.235	0.078	0.0055	0.303	0.081	0.0154	2/2
FTIR	0.218	0.012	-0.0115	0.248	0.012	-0.0388	9/11



Analysis 906
Specific Gravity

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
24PHHN		0.9928	-0.0006	-1.10	0.9928	-0.0002	-0.37
2LTX24		0.9939	0.0005	1.00	0.9934	0.0004	0.96
37BHFJ		0.9934	0.0001	0.11	0.9931	0.0001	0.31
3876P2		0.9932	-0.0002	-0.39	0.9928	-0.0002	-0.45
3QKMWZ		0.9934	0.0001	0.14	0.9930	0.0001	0.17
4FX3UF		0.9940	0.0006	1.27	0.9935	0.0005	1.15
4JE62L		0.9934	0.0000	0.01	0.9929	-0.0001	-0.12
4L3JPV		0.9934	0.0001	0.17	0.9931	0.0001	0.22
4NMQPH		0.9933	0.0000	-0.05	0.9929	0.0000	-0.07
66QKWH		0.9937	0.0004	0.74	0.9934	0.0004	0.86
679GMW	X	0.9922	-0.0012	-2.32	0.9935	0.0006	1.28
69D62L		0.9932	-0.0001	-0.29	0.9928	-0.0002	-0.34
6UVCBU		0.9934	0.0000	0.06	0.9930	0.0001	0.12
76774Y		0.9921	-0.0012	-2.46	0.9917	-0.0013	-2.73
7KM2JV		0.9925	-0.0008	-1.67	0.9923	-0.0007	-1.53
7QQ9YX		0.9920	-0.0013	-2.66	0.9918	-0.0012	-2.51
7Y33FL	X	0.9943	0.0009	1.83	0.9932	0.0003	0.58
82P4WT		0.9934	0.0000	0.01	0.9930	0.0000	0.09
8DW7XG		0.9933	0.0000	-0.09	0.9928	-0.0002	-0.34
8NHA6G		0.9932	-0.0001	-0.29	0.9929	-0.0001	-0.12
8Q7PTQ		0.9940	0.0007	1.29	0.9935	0.0005	1.18
92KZKU		0.9933	0.0000	-0.09	0.9930	0.0000	0.09
9VUQAV	X	0.9940	0.0007	1.29	0.9930	0.0000	0.09
AE3BLP		0.9936	0.0003	0.52	0.9932	0.0002	0.50
AHPURU		0.9933	-0.0001	-0.19	0.9931	0.0001	0.20
AJYWFD		0.9944	0.0010	1.99	0.9940	0.0010	2.16
AWHMCU		0.9934	0.0000	0.06	0.9929	-0.0001	-0.21
CCA2QE		0.9935	0.0002	0.31	0.9929	-0.0001	-0.12
CEERV9		0.9932	-0.0001	-0.29	0.9929	-0.0001	-0.12
CN4EPQ		0.9933	0.0000	-0.08	0.9930	0.0000	0.09
DM32J9		0.9934	0.0001	0.14	0.9931	0.0001	0.22
EJ2DF8		0.9939	0.0006	1.17	0.9935	0.0005	1.15
ELNWKB	X	0.9930	-0.0003	-0.68	0.9920	-0.0010	-2.08
F2W7Z6		0.9931	-0.0002	-0.48	0.9926	-0.0004	-0.88
G2EGCH		0.9934	0.0000	0.03	0.9930	0.0000	0.01



ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #078

Analysis 906 Specific Gravity

Fall 2024

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
GHY8BH		0.9933	0.0000	-0.09	0.9928	-0.0002	-0.34
GJUQDJ		0.9935	0.0002	0.32	0.9931	0.0002	0.40
HJPQRA	*	0.9919	-0.0014	-2.86	0.9919	-0.0011	-2.30
J4VKY7	X	0.9910	-0.0023	-4.64	0.9910	-0.0020	-4.25
JHPAV3		0.9934	0.0000	0.02	0.9931	0.0001	0.21
JHURT2		0.9940	0.0007	1.29	0.9938	0.0008	1.83
JKFBY7	*	0.9917	-0.0016	-3.25	0.9916	-0.0014	-2.95
JLBUZ8		0.9925	-0.0009	-1.70	0.9923	-0.0007	-1.45
JLPLNH		0.9936	0.0003	0.50	0.9932	0.0002	0.42
JRD46E		0.9933	-0.0001	-0.19	0.9929	-0.0001	-0.16
JVE8W2		0.9934	0.0001	0.11	0.9929	-0.0001	-0.23
JVZMAH		0.9933	0.0000	-0.02	0.9930	0.0000	0.05
JZA2U3		0.9933	-0.0001	-0.18	0.9930	0.0000	-0.01
JZWA47		0.9934	0.0000	0.01	0.9931	0.0001	0.20
K8P2P6		0.9935	0.0001	0.23	0.9931	0.0001	0.22
KJEXNH		0.9932	-0.0001	-0.29	0.9929	-0.0001	-0.23
LB4V3H		0.9938	0.0005	0.90	0.9931	0.0001	0.31
LDAGT3		0.9934	0.0001	0.11	0.9929	-0.0001	-0.12
M4YE83		0.9942	0.0009	1.69	0.9940	0.0010	2.27
MANWMY		0.9935	0.0001	0.21	0.9930	0.0000	0.09
MHXJFY		0.9938	0.0004	0.80	0.9932	0.0002	0.42
MZH CZW	X	0.9910	-0.0023	-4.64	0.9910	-0.0020	-4.25
N7LFNA		0.9934	0.0000	0.05	0.9930	0.0000	0.09
NALQJA		0.9934	0.0001	0.11	0.9934	0.0004	0.96
NC8BPD		0.9934	0.0001	0.16	0.9930	0.0001	0.19
NFL9UF	X	0.5007	-0.4927	-974.31	0.9929	0.0000	-0.07
NR2ZKB		0.9934	0.0000	0.05	0.9930	0.0000	0.04
NUR2ND		0.9936	0.0003	0.50	0.9932	0.0002	0.42
P2ML3D		0.9929	-0.0004	-0.83	0.9929	0.0000	-0.09
P97MMW		0.9934	0.0001	0.13	0.9930	0.0000	0.11
PDE899		0.9933	0.0000	-0.08	0.9929	-0.0001	-0.14
PGCTZC		0.9934	0.0000	0.01	0.9929	-0.0001	-0.12
QC2V7X		0.9933	0.0000	-0.02	0.9929	-0.0001	-0.19
QLL7HB		0.9933	0.0000	-0.09	0.9932	0.0002	0.53
QUH48X		0.9929	-0.0005	-0.98	0.9925	-0.0005	-0.99



**Analysis 906
Specific Gravity**

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
RQZ2ZT		0.9932	-0.0001	-0.28	0.9929	-0.0001	-0.12
RUEY7U		0.9934	0.0000	0.03	0.9930	0.0000	0.00
RWZJBY		0.9933	-0.0001	-0.15	0.9929	-0.0001	-0.13
TDKTDR		0.9945	0.0012	2.28	0.9941	0.0011	2.48
TXF3VW		0.9937	0.0003	0.61	0.9934	0.0004	0.87
UYGRBA		0.9942	0.0008	1.59	0.9938	0.0008	1.72
V8T7T7		0.9934	0.0001	0.11	0.9929	-0.0001	-0.12
VAJ8W9		0.9933	-0.0001	-0.13	0.9930	0.0001	0.16
VHDA3Q	X	0.9948	0.0014	2.86	0.9946	0.0016	3.55
VJ83XA		0.9940	0.0006	1.20	0.9934	0.0004	0.96
W4QPV3	X	0.9911	-0.0022	-4.44	0.9915	-0.0015	-3.16
W7C9Z7	X	0.9934	0.0001	0.11	0.9873	-0.0057	-12.40
W88R38		0.9933	0.0000	-0.09	0.9930	0.0000	0.09
WFGFF7		0.9932	-0.0002	-0.31	0.9926	-0.0003	-0.69
WYWMUM		0.9929	-0.0004	-0.81	0.9922	-0.0007	-1.56
XP4YBQ	*	0.9918	-0.0016	-3.15	0.9916	-0.0014	-2.95
YMRJGP		0.9936	0.0003	0.50	0.9932	0.0002	0.42
YNM3JQ		0.9933	0.0000	-0.05	0.9930	0.0000	0.01
YUCKX2	X	0.9916	-0.0018	-3.53	0.9913	-0.0017	-3.69
YWZUAN		0.9935	0.0001	0.25	0.9931	0.0001	0.31
Z26CH2		0.9937	0.0004	0.70	0.9933	0.0003	0.75
ZK6ZCK		0.9936	0.0002	0.40	0.9931	0.0001	0.31
ZTA8RK	X	0.9956	0.0023	4.46	0.9951	0.0021	4.66

Grand Means		Summary Statistics	
0.99335	sp gr 20/20 C	0.99296	sp gr 20/20 C
Std Dev Btwn Labs			
0.00051	sp gr 20/20 C	0.00046	sp gr 20/20 C
Statistics based on 81 of 93 reporting participants			

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc



Comments on Assigned Data Flags for Test #906

W4QPV3 (X) - Data for both samples are low.

679GMW (X) - Inconsistent in testing between samples.

YUCKX2 (X) - Data for both samples are low.

W7C9Z7 (X) - Data for sample SA56 are low. Inconsistent within the determinations of sample SA56.

NFL9UF (X) - Extreme data for sample SA55. Inconsistent within the determination for sample SA55.

9VUQAV (X) - Inconsistent in testing between samples.

MZHCZW (X) - Data for both samples are low.

ZTA8RK (X) - Data for both samples are high.

VHDA3Q (X) - Data for both samples are high.

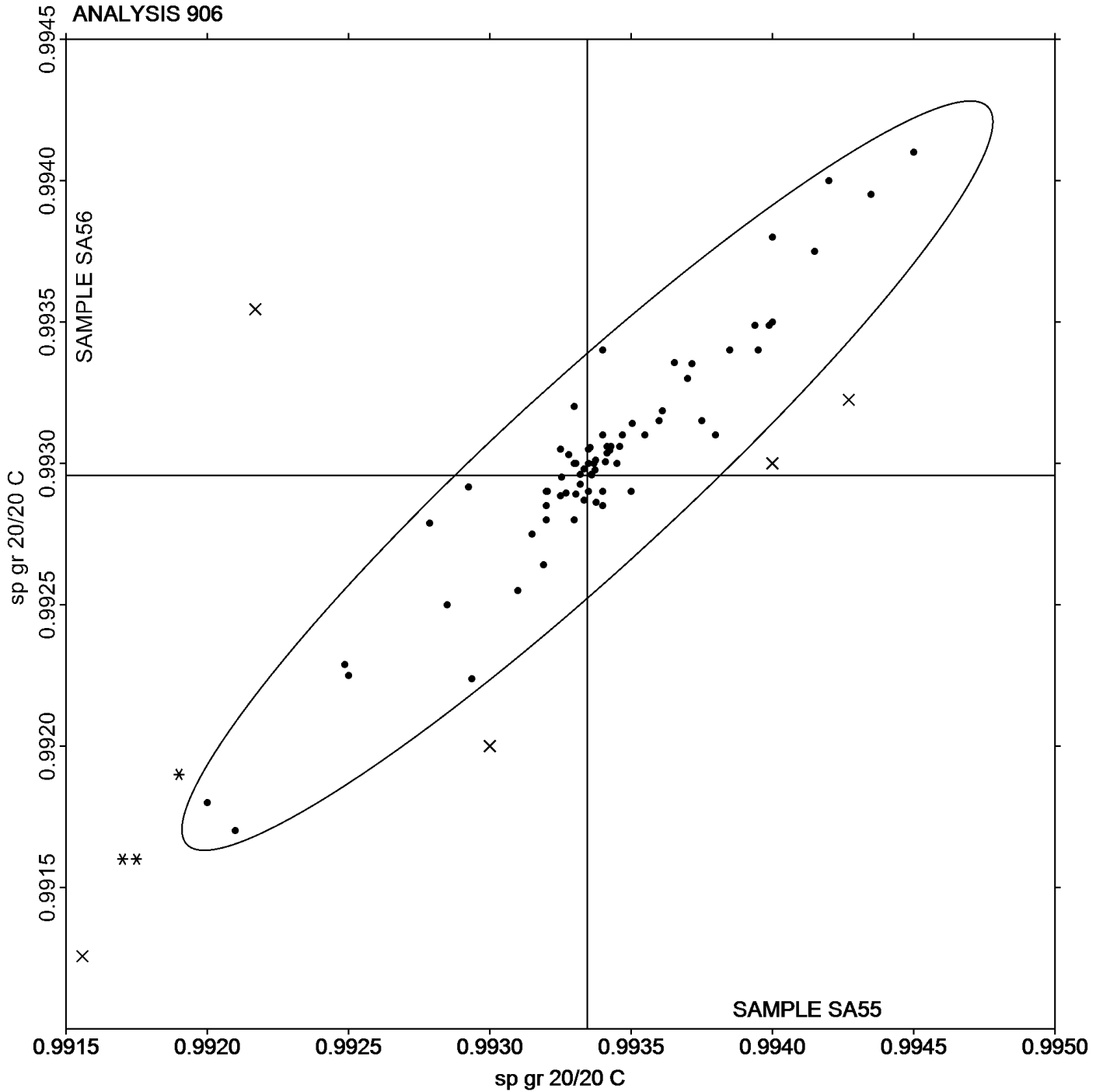
J4VKY7 (X) - Data for both samples are low.

ELNWKB (X) - Inconsistent in testing between samples.

7Y33FL (X) - Inconsistent in testing between samples.



Analysis 906
Specific Gravity





ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #078

Analysis 907

Fall 2024

pH

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
24PHHN	*	3.260	-0.072	-2.36	3.265	-0.056	-1.94
28PRNJ		3.360	0.028	0.91	3.345	0.024	0.82
2LTX24		3.358	0.026	0.85	3.347	0.025	0.87
37BHFJ		3.320	-0.012	-0.40	3.310	-0.011	-0.39
3876P2		3.305	-0.027	-0.89	3.310	-0.011	-0.39
3QKMWZ		3.310	-0.022	-0.72	3.300	-0.021	-0.73
4FX3UF		3.315	-0.017	-0.56	3.310	-0.011	-0.39
4JE62L		3.315	-0.017	-0.56	3.298	-0.024	-0.82
4L3JPV		3.320	-0.012	-0.40	3.330	0.009	0.30
4NMQPH		3.310	-0.022	-0.72	3.320	-0.001	-0.04
66QKWH		3.336	0.004	0.13	3.322	0.000	0.01
679GMW		3.350	0.018	0.59	3.335	0.014	0.47
69D62L		3.360	0.028	0.91	3.365	0.044	1.51
6UVCBU	X	3.260	-0.072	-2.36	3.225	-0.096	-3.32
76774Y		3.320	-0.012	-0.40	3.320	-0.001	-0.04
7KM2JV	X	3.300	-0.032	-1.05	3.330	0.009	0.30
7QQ9YX		3.370	0.038	1.24	3.345	0.024	0.82
7Y33FL		3.285	-0.047	-1.54	3.270	-0.051	-1.77
8DW7XG		3.360	0.028	0.91	3.340	0.019	0.65
8NHA6G		3.295	-0.037	-1.22	3.290	-0.031	-1.08
8Q7PTQ		3.320	-0.012	-0.40	3.330	0.009	0.30
92KZKU		3.310	-0.022	-0.72	3.300	-0.021	-0.73
9VUQAV		3.340	0.008	0.26	3.330	0.009	0.30
AE3BLP		3.345	0.013	0.42	3.335	0.014	0.47
AHPURU		3.310	-0.022	-0.72	3.315	-0.006	-0.22
AJYWFD		3.325	-0.007	-0.23	3.300	-0.021	-0.73
AWHMCU		3.375	0.043	1.41	3.365	0.044	1.51
AWMY2C		3.380	0.048	1.57	3.370	0.049	1.68
B6R9ZP	*	3.265	-0.067	-2.20	3.240	-0.081	-2.80
CCA2QE		3.330	-0.002	-0.07	3.330	0.009	0.30
CEERV9		3.360	0.028	0.91	3.340	0.019	0.65
DM32J9		3.360	0.028	0.91	3.340	0.019	0.65
EJ2DF8		3.340	0.008	0.26	3.325	0.004	0.13
ELNWKB		3.310	-0.022	-0.72	3.290	-0.031	-1.08
F2W7Z6		3.310	-0.022	-0.72	3.300	-0.021	-0.73



ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #078

Analysis 907

Fall 2024

pH

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
FHLFKL	*	3.255	-0.077	-2.53	3.260	-0.061	-2.11
FLKRGL		3.310	-0.022	-0.72	3.300	-0.021	-0.73
G2EGCH		3.350	0.018	0.59	3.330	0.009	0.30
GHY8BH		3.355	0.023	0.75	3.345	0.024	0.82
GJUQDJ		3.365	0.033	1.08	3.345	0.024	0.82
GK7MKA		3.330	-0.002	-0.07	3.315	-0.006	-0.22
HBZXM6	X	3.545	0.213	6.98	3.520	0.199	6.85
HJPQRA		3.310	-0.022	-0.72	3.295	-0.026	-0.90
J4VKY7	*	3.340	0.008	0.26	3.300	-0.021	-0.73
JHPAV3	*	3.300	-0.032	-1.05	3.320	-0.001	-0.04
JHURT2		3.320	-0.012	-0.40	3.300	-0.021	-0.73
JKFBY7		3.325	-0.007	-0.23	3.320	-0.001	-0.04
JLBUZ8		3.330	-0.002	-0.07	3.320	-0.001	-0.04
JLPLNH		3.330	-0.002	-0.07	3.320	-0.001	-0.04
JRD46E		3.335	0.003	0.09	3.320	-0.001	-0.04
JVE8W2		3.355	0.023	0.75	3.340	0.019	0.65
JVZMAH		3.310	-0.022	-0.72	3.295	-0.026	-0.90
JZA2U3		3.370	0.038	1.24	3.355	0.034	1.16
JZWA47		3.330	-0.002	-0.07	3.310	-0.011	-0.39
K8P2P6		3.305	-0.027	-0.89	3.295	-0.026	-0.90
KJEXNH		3.350	0.018	0.59	3.330	0.009	0.30
LB4V3H		3.330	-0.002	-0.07	3.315	-0.006	-0.22
LDAGT3		3.320	-0.012	-0.40	3.310	-0.011	-0.39
LQVT6C		3.400	0.068	2.22	3.380	0.059	2.02
M4YE83		3.310	-0.022	-0.72	3.300	-0.021	-0.73
M9TELX		3.370	0.038	1.24	3.345	0.024	0.82
MANWMY		3.340	0.008	0.26	3.330	0.009	0.30
MHXJFY		3.375	0.043	1.41	3.360	0.039	1.34
MZH CZW	X	3.315	-0.017	-0.56	3.360	0.039	1.34
NALQJA		3.365	0.033	1.08	3.360	0.039	1.34
NC8BPD		3.360	0.028	0.91	3.340	0.019	0.65
NFL9UF		3.260	-0.072	-2.36	3.250	-0.071	-2.45
NR2ZKB		3.340	0.008	0.26	3.340	0.019	0.65
NUR2ND		3.350	0.018	0.59	3.330	0.009	0.30
P2ML3D		3.330	-0.002	-0.07	3.335	0.014	0.47



ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #078

Analysis 907

Fall 2024

pH

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
P97MMW		3.330	-0.002	-0.07	3.310	-0.011	-0.39
PDE899		3.372	0.040	1.31	3.361	0.040	1.37
PGCTZC		3.300	-0.032	-1.05	3.280	-0.041	-1.42
QC2V7X		3.345	0.013	0.42	3.325	0.004	0.13
QJLXDZ		3.350	0.018	0.59	3.340	0.019	0.65
QLL7HB		3.335	0.003	0.09	3.330	0.009	0.30
QUH48X	X	3.450	0.118	3.86	3.425	0.104	3.57
RQZ2ZT		3.350	0.018	0.59	3.330	0.009	0.30
RUEY7U		3.365	0.032	1.06	3.354	0.033	1.13
RWZJBY		3.270	-0.062	-2.03	3.255	-0.066	-2.28
TDKTDR		3.365	0.033	1.08	3.355	0.034	1.16
TV6KCQ		3.350	0.018	0.59	3.340	0.019	0.65
TXF3VW	*	3.320	-0.012	-0.40	3.340	0.019	0.65
UYGRBA		3.370	0.038	1.24	3.360	0.039	1.34
V8T7T7		3.330	-0.002	-0.07	3.310	-0.011	-0.39
VAJ8W9		3.290	-0.042	-1.38	3.280	-0.041	-1.42
VHDA3Q		3.360	0.028	0.91	3.340	0.019	0.65
VJ83XA		3.324	-0.008	-0.27	3.308	-0.013	-0.46
VZXYFR		3.340	0.008	0.26	3.330	0.009	0.30
W4QPV3		3.325	-0.007	-0.23	3.315	-0.006	-0.22
W7C9Z7	X	3.320	-0.012	-0.40	3.345	0.024	0.82
W88R38		3.320	-0.012	-0.40	3.300	-0.021	-0.73
WFGFF7	*	3.420	0.088	2.88	3.405	0.084	2.89
WP82NP		3.330	-0.002	-0.07	3.325	0.004	0.13
WYWMUM		3.300	-0.032	-1.05	3.295	-0.026	-0.90
XP4YBQ		3.330	-0.002	-0.07	3.320	-0.001	-0.04
YKNNW2		3.375	0.043	1.41	3.360	0.039	1.34
YMRJGP		3.335	0.003	0.09	3.330	0.009	0.30
YNM3JQ		3.345	0.013	0.42	3.330	0.009	0.30
YQAG8Z		3.355	0.023	0.75	3.360	0.039	1.34
YUCKX2		3.325	-0.007	-0.23	3.295	-0.026	-0.90
YWZUAN	X	3.410	0.078	2.55	3.340	0.019	0.65
Z26CH2	X	3.430	0.098	3.21	3.420	0.099	3.40
ZBUZD4	*	3.255	-0.077	-2.53	3.260	-0.061	-2.11
ZK6ZCK		3.325	-0.007	-0.23	3.310	-0.011	-0.39



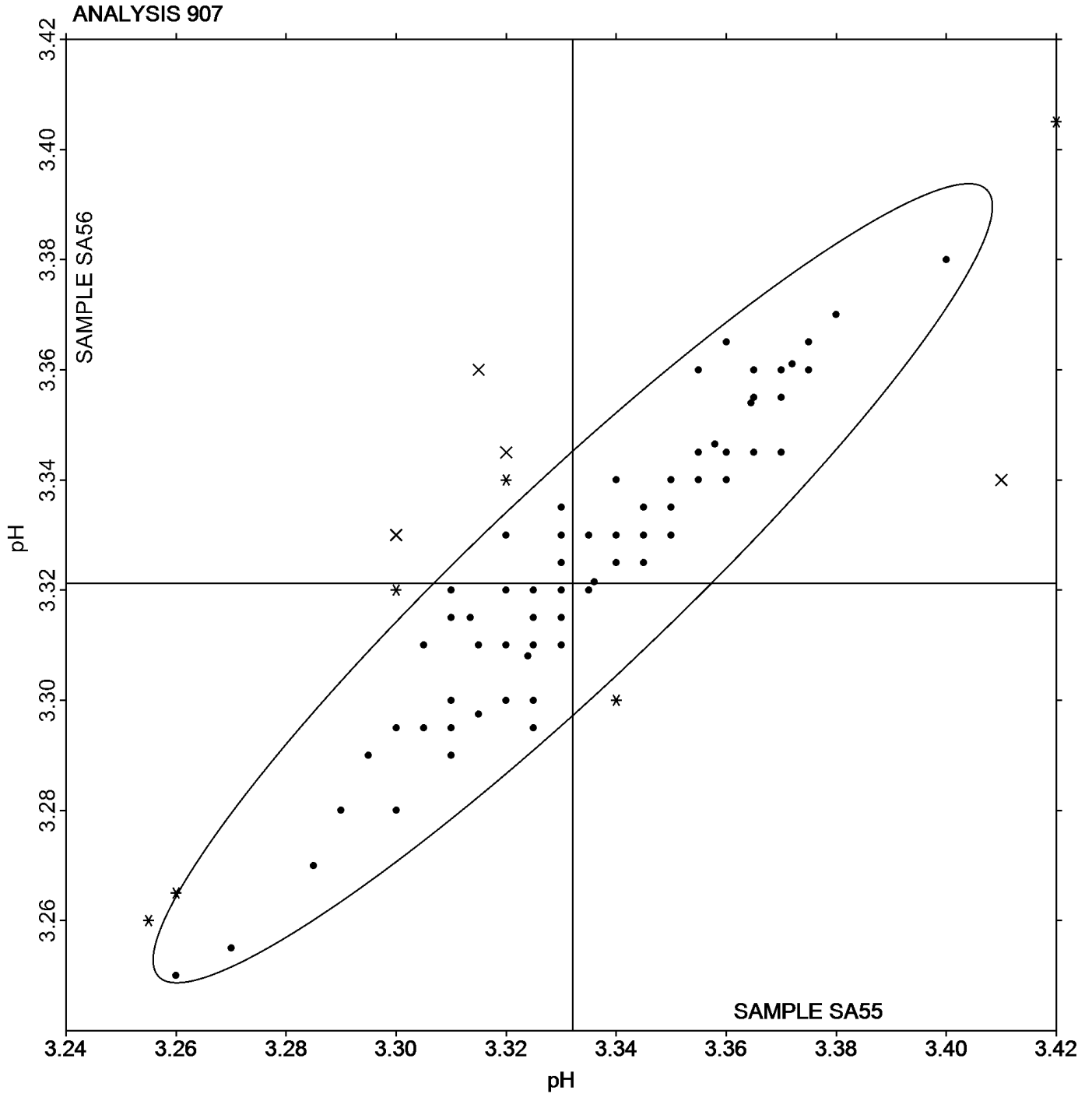
WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
ZM76QQ		3.305	-0.027	-0.89	3.295	-0.026	-0.90
ZTA8RK		3.314	-0.019	-0.61	3.315	-0.006	-0.22

Grand Means	Summary Statistics
3.3321 pH	3.3212 pH
Std Dev Btwn Labs	
0.0305 pH	0.0290 pH
Statistics based on 99 of 107 reporting participants	

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc

Comments on Assigned Data Flags for Test #907

- HBZXM6 (X) - Data for both samples are high. Possible Systematic Error.
- 6UVCBU (X) - Inconsistent in testing, data for sample SA56 are low. Inconsistent within the determinations of sample SA55.
- 7KM2JV (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample SA56.
- Z26CH2 (X) - Data for both samples are high. Possible Systematic Error.
- W7C9Z7 (X) - Inconsistent in testing between samples.
- MZHCZW (X) - Inconsistent in testing between samples.
- YWZUAN (X) - Inconsistent in testing between samples.
- QUH48X (X) - Data for both samples are high. Possible Systematic Error.





ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #078

Analysis 908 Residual Sugar

Fall 2024

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
28PRNJ		6.200	1.314	1.89	5.250	0.913	1.49
37BHFJ		4.400	-0.486	-0.70	4.000	-0.337	-0.55
3QKMWZ		5.000	0.114	0.16	4.100	-0.237	-0.39
69D62L		4.600	-0.286	-0.41	4.200	-0.137	-0.22
6UVCBU	*	5.350	0.464	0.67	5.350	1.013	1.65
7QQ9YX		5.710	0.824	1.18	5.170	0.833	1.36
7Y33FL		4.245	-0.641	-0.92	3.850	-0.487	-0.79
82P4WT		5.600	0.714	1.02	5.000	0.663	1.08
8NHA6G	*	4.135	-0.751	-1.08	4.270	-0.067	-0.11
9VUQAV		5.300	0.414	0.59	4.500	0.163	0.27
AHPURU		5.750	0.864	1.24	5.150	0.813	1.32
AWHMCU		4.400	-0.486	-0.70	3.750	-0.587	-0.96
EJ2DF8		4.845	-0.041	-0.06	4.300	-0.037	-0.06
F2W7Z6		4.520	-0.366	-0.53	4.020	-0.317	-0.52
GJUQDJ		3.920	-0.966	-1.39	3.465	-0.872	-1.42
J4VKY7		5.080	0.194	0.28	4.450	0.113	0.18
MZH CZW		4.500	-0.386	-0.55	3.945	-0.392	-0.64
NFL9UF		4.200	-0.686	-0.98	3.550	-0.787	-1.28
P2ML3D		4.360	-0.526	-0.76	3.805	-0.532	-0.87
PGCTZC		4.420	-0.466	-0.67	3.880	-0.457	-0.75
QC2V7X		6.050	1.164	1.67	5.200	0.863	1.41
RUEY7U		4.950	0.064	0.09	4.350	0.013	0.02
TXF3VW		6.400	1.514	2.17	5.550	1.213	1.98
WFGFF7		4.800	-0.086	-0.12	4.250	-0.087	-0.14
YNM3JQ		4.050	-0.836	-1.20	3.550	-0.787	-1.28
YQAG8Z		4.270	-0.616	-0.88	3.800	-0.537	-0.88
Z26CH2		5.410	0.524	0.75	4.840	0.503	0.82
ZTA8RK		4.350	-0.536	-0.77	3.900	-0.437	-0.71



**Analysis 908
Residual Sugar**

Fall 2024

Grand Means		Summary Statistics	
	4.8863 g/L		4.3373 g/L
Std Dev Btwn Labs	0.6968 g/L		0.6138 g/L
Statistics based on 28 of 28 reporting participants			

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc

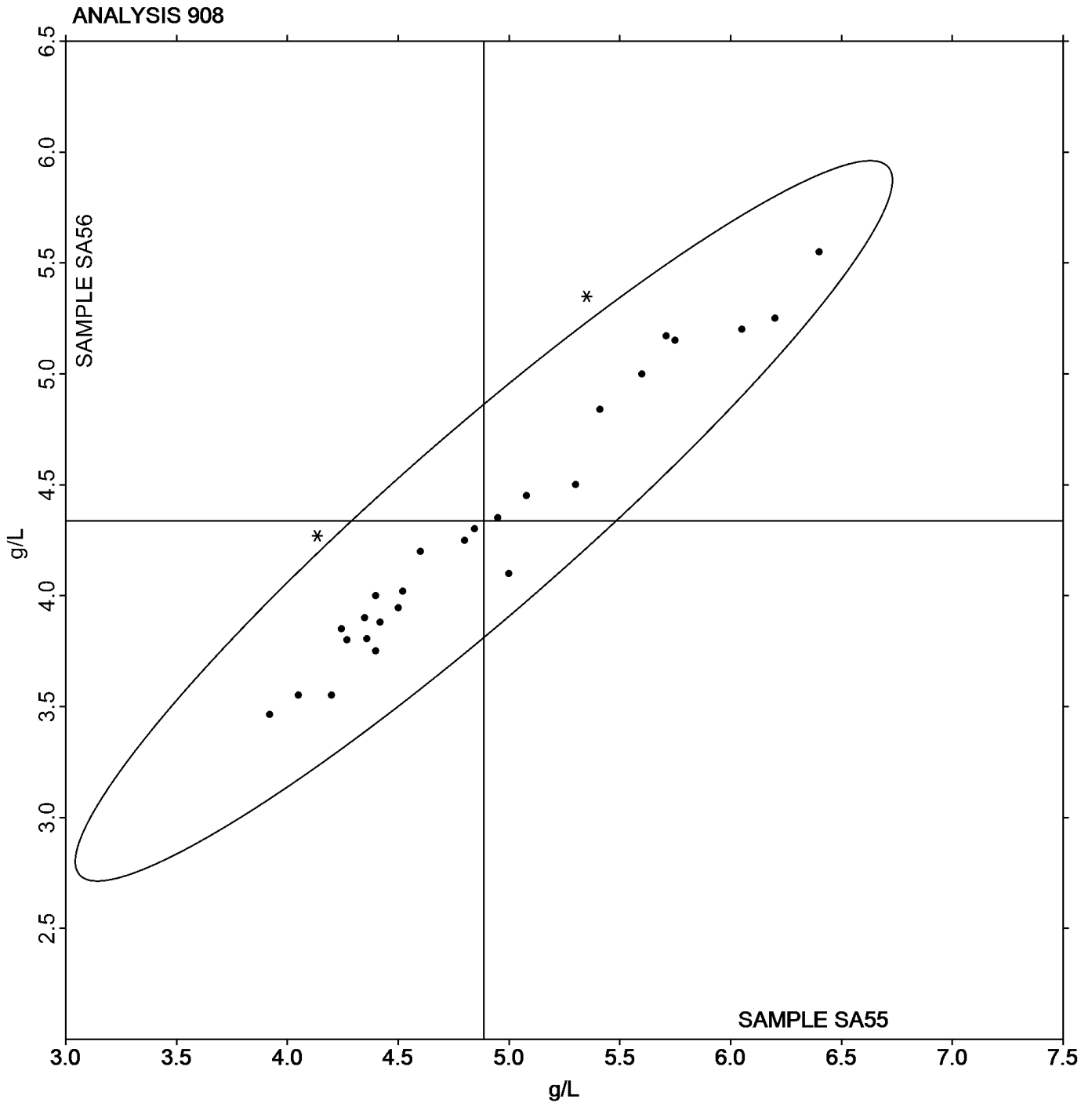
Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA55 <i>Pinot Grigio</i>			Sample SA56 <i>Sauvignon Blanc</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Cu Reduction Method	5.331	0.963	0.445	4.860	0.602	0.523	4/4
Segmented Flow	5.475	0.177	0.589	5.175	0.247	0.838	2/2
FTIR	4.923	0.661	0.037	4.281	0.595	-0.056	11/11
Other	4.580	0.583	-0.306	4.051	0.453	-0.286	11/11



Analysis 908
Residual Sugar

Fall 2024





ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #078

Analysis 909

Fall 2024

L-Malic Acid

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2LTX24		1.140	-0.048	-0.74	1.448	-0.083	-1.04
37BHFJ		1.165	-0.023	-0.36	1.545	0.014	0.18
3876P2		1.189	0.000	0.00	1.558	0.027	0.34
3QKMWZ	X	1.090	-0.098	-1.50	1.700	0.169	2.12
4FX3UF		1.155	-0.033	-0.51	1.495	-0.036	-0.45
4JE62L		1.060	-0.128	-1.96	1.425	-0.106	-1.33
4L3JPV		1.142	-0.047	-0.72	1.424	-0.107	-1.35
4NMQPH		1.080	-0.108	-1.66	1.455	-0.076	-0.95
66QKWH		1.270	0.082	1.25	1.660	0.129	1.62
679GMW		1.160	-0.028	-0.43	1.485	-0.046	-0.58
69D62L		1.090	-0.098	-1.50	1.440	-0.091	-1.14
76774Y		1.254	0.066	1.00	1.600	0.069	0.87
7KM2JV	X	0.995	-0.193	-2.95	1.375	-0.156	-1.96
7Y33FL		1.150	-0.038	-0.59	1.505	-0.026	-0.33
8DW7XG		1.269	0.081	1.24	1.643	0.112	1.40
8NHA6G	X	1.420	0.232	3.54	1.915	0.384	4.82
8Q7PTQ		1.170	-0.018	-0.28	1.495	-0.036	-0.45
92KZKU	*	1.178	-0.010	-0.16	1.602	0.071	0.89
9VUQAV		1.195	0.007	0.10	1.530	-0.001	-0.01
AE3BLP		1.169	-0.019	-0.30	1.518	-0.013	-0.16
AHPURU	X	1.085	-0.103	-1.58	1.305	-0.226	-2.84
AWHMCU		1.250	0.062	0.94	1.620	0.089	1.12
AWMY2C	X	1.100	-0.088	-1.35	1.335	-0.196	-2.46
B6R9ZP		1.267	0.078	1.19	1.625	0.094	1.18
CCA2QE		1.155	-0.033	-0.51	1.505	-0.026	-0.33
CEERV9		1.185	-0.003	-0.05	1.525	-0.006	-0.07
DM32J9	*	1.035	-0.153	-2.34	1.315	-0.216	-2.71
EJ2DF8		1.325	0.137	2.09	1.680	0.149	1.87
ELNWKB		1.135	-0.053	-0.82	1.450	-0.081	-1.02
FHLFKL		1.280	0.092	1.40	1.645	0.114	1.43
FLKRGL		1.285	0.097	1.48	1.650	0.119	1.49
GHY8BH		1.235	0.047	0.71	1.570	0.039	0.49
GJUQDJ	*	1.030	-0.158	-2.42	1.330	-0.201	-2.52
HBZXM6	X	0.909	-0.280	-4.28	1.213	-0.318	-3.99
HJPQRA		1.205	0.017	0.25	1.535	0.004	0.05



WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
J4VKY7		1.130	-0.058	-0.89	1.410	-0.121	-1.52
JHURT2		1.181	-0.007	-0.11	1.525	-0.006	-0.07
JKF7Y7		1.205	0.017	0.25	1.605	0.074	0.93
JLBUZ8		1.180	-0.008	-0.13	1.540	0.009	0.11
JLPLNH		1.093	-0.096	-1.46	1.428	-0.103	-1.29
JRD46E		1.259	0.070	1.07	1.613	0.082	1.03
JVE8W2		1.195	0.007	0.10	1.515	-0.016	-0.20
JVZMAH		1.185	-0.003	-0.05	1.520	-0.011	-0.14
JZA2U3	X	0.575	-0.613	-9.37	0.835	-0.696	-8.73
JZWA47		1.150	-0.038	-0.59	1.480	-0.051	-0.64
K8P2P6		1.238	0.049	0.75	1.590	0.059	0.74
KJEXNH		1.075	-0.113	-1.73	1.435	-0.096	-1.20
LB4V3H		1.206	0.017	0.26	1.551	0.020	0.25
LDAGT3		1.235	0.047	0.71	1.630	0.099	1.24
LQVT6C	X	1.185	-0.003	-0.05	1.765	0.234	2.94
M9TELX		1.210	0.022	0.33	1.530	-0.001	-0.01
MANWMY		1.188	-0.001	-0.01	1.505	-0.026	-0.33
MHXJFY		1.195	0.007	0.10	1.555	0.024	0.30
MZH CZW		1.185	-0.003	-0.05	1.515	-0.016	-0.20
NALQJA	X	1.500	0.312	4.76	2.200	0.669	8.40
NC8BPD		1.307	0.119	1.81	1.704	0.173	2.17
NFL9UF	X	1.100	-0.088	-1.35	1.705	0.174	2.18
NR2ZKB	X	0.960	-0.228	-3.49	1.325	-0.206	-2.58
NUR2ND		1.114	-0.075	-1.14	1.479	-0.052	-0.65
P2ML3D		1.155	-0.033	-0.51	1.490	-0.041	-0.51
P97MMW		1.065	-0.123	-1.88	1.370	-0.161	-2.02
PDE899		1.231	0.043	0.65	1.611	0.080	1.00
PGCTZC		1.220	0.031	0.48	1.531	0.000	-0.01
QC2V7X	X	1.460	0.272	4.15	1.915	0.384	4.82
QJLXDZ		1.160	-0.028	-0.43	1.490	-0.041	-0.51
QLL7HB		1.218	0.030	0.45	1.538	0.007	0.08
QUH48X		1.225	0.037	0.56	1.550	0.019	0.24
RQZ2ZT		1.180	-0.008	-0.13	1.510	-0.021	-0.26
RUEY7U		1.200	0.012	0.18	1.565	0.034	0.43
TDKTDR		1.200	0.012	0.18	1.575	0.044	0.55



ASEV-CTS Wine Industry Interlaboratory Testing Program
Analysis 909
L-Malic Acid

Report #078
Fall 2024

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
TV6KCQ		1.260	0.072	1.10	1.610	0.079	0.99
TXF3VW		1.200	0.012	0.18	1.530	-0.001	-0.01
UYGRBA	*	1.320	0.132	2.01	1.635	0.104	1.31
V8T7T7		1.285	0.096	1.47	1.637	0.106	1.33
VJ83XA		1.297	0.109	1.66	1.665	0.134	1.68
VZXYFR		1.210	0.022	0.33	1.540	0.009	0.11
W4QPV3		1.185	-0.003	-0.05	1.465	-0.066	-0.83
W7C9Z7		1.160	-0.028	-0.43	1.445	-0.086	-1.08
W88R38		1.100	-0.088	-1.35	1.440	-0.091	-1.14
WFGFF7	X	1.175	-0.013	-0.20	1.735	0.204	2.56
WP82NP		1.140	-0.048	-0.74	1.490	-0.041	-0.51
WYWMUM	X	1.085	-0.103	-1.58	1.320	-0.211	-2.65
XP4YBQ	X	1.355	0.167	2.55	1.990	0.459	5.76
YKNNW2		1.238	0.049	0.75	1.595	0.064	0.80
YMRJGP		1.145	-0.043	-0.66	1.455	-0.076	-0.95
YNM3JQ		1.130	-0.058	-0.89	1.475	-0.056	-0.70
YQAG8Z	X	0.800	-0.388	-5.93	1.105	-0.426	-5.35
YUCKX2		1.260	0.072	1.10	1.585	0.054	0.68
ZBUZD4		1.243	0.054	0.83	1.579	0.048	0.60
ZK6ZCK		1.180	-0.008	-0.13	1.535	0.004	0.05
ZM76QQ		1.225	0.037	0.56	1.545	0.014	0.18
ZTA8RK		1.134	-0.054	-0.83	1.493	-0.038	-0.48

Grand Means		Summary Statistics	
	1.1883 g/L		1.5310 g/L
Stnd Dev Btwn Labs			
	0.0654 g/L		0.0797 g/L
Statistics based on 76 of 92 reporting participants			

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc



Comments on Assigned Data Flags for Test #909

AWMY2C (X) - Inconsistent in testing between samples.

HBZXM6 (X) - Data for both samples are low.

NALQJA (X) - Data for both samples are high.

NR2ZKB (X) - Data for sample SA55 are low.

LQVT6C (X) - Data for sample SA56 are high.

YQAG8Z (X) - Data for both samples are low.

7KM2JV (X) - Data for sample SA55 are low. Inconsistent within the determinations of both samples.

AHPURU (X) - Data for sample SA56 are low.

WFGFF7 (X) - Inconsistent in testing between samples.

3QKMWZ (X) - Inconsistent in testing between samples.

NFL9UF (X) - Inconsistent in testing between samples.

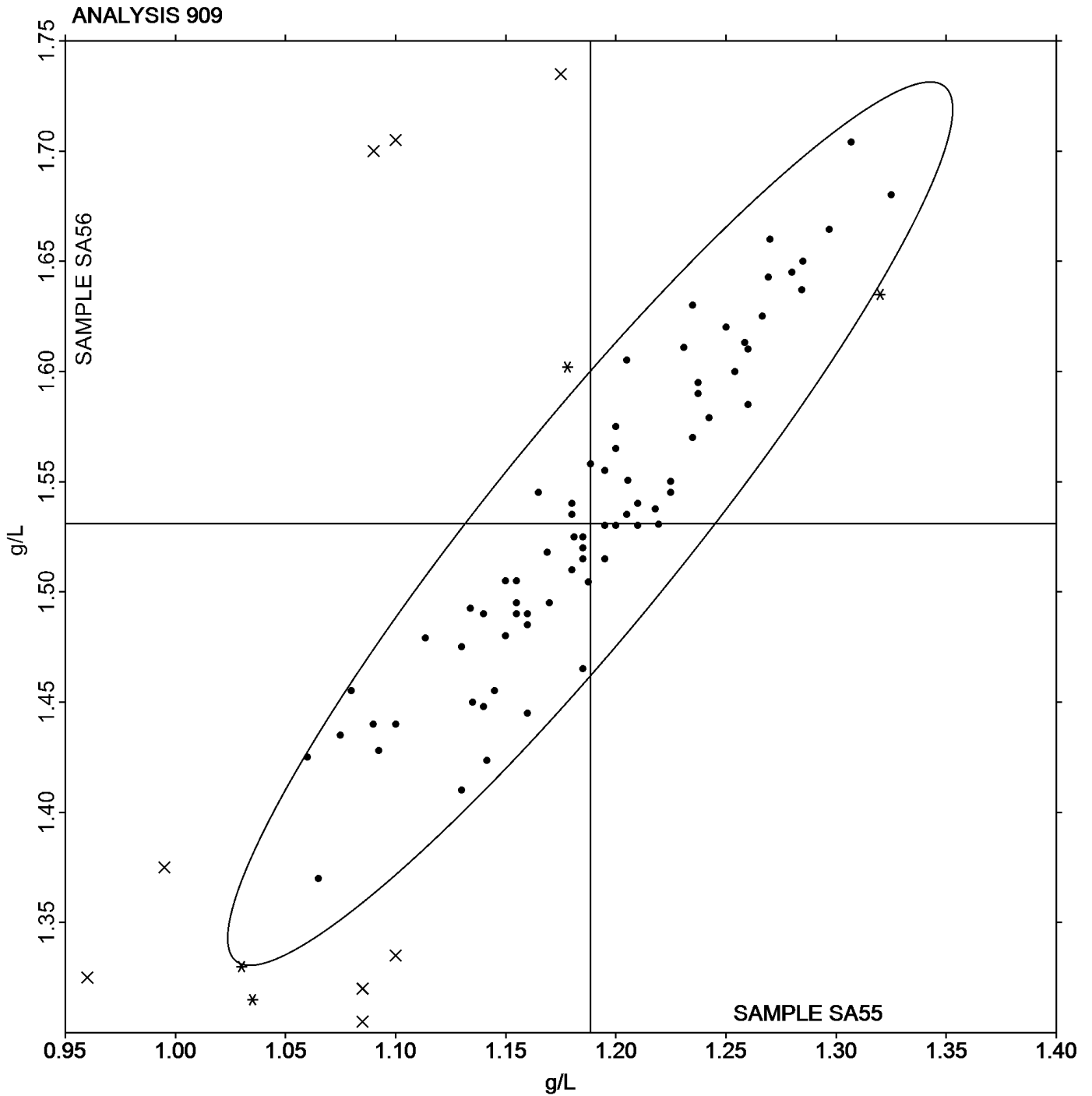
WYWMUM (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample SA56.

JZA2U3 (X) - Data for both samples are low.

8NHA6G (X) - Data for both samples are high.

QC2V7X (X) - Data for both samples are high. Inconsistent within the determinations of sample SA55.

XP4YBQ (X) - Data for sample SA56 are high.





ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #078

Analysis 910

Fall 2024

Glucose + Fructose

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
28PRNJ		4.500	-0.005	-0.03	3.800	-0.184	-1.01
2LTX24	X	1.140	-3.365	-17.40	3.875	-0.109	-0.60
37BHfJ	X	11.650	7.145	36.93	15.450	11.466	62.83
3876P2		4.570	0.065	0.33	4.050	0.066	0.36
3QKMWZ	X	4.500	-0.005	-0.03	4.300	0.316	1.73
4FX3UF		4.350	-0.155	-0.80	3.690	-0.294	-1.61
4JE62L		4.380	-0.125	-0.65	3.835	-0.149	-0.82
4L3JPV		4.655	0.150	0.77	3.975	-0.009	-0.05
4NMQPH		4.540	0.035	0.18	3.995	0.011	0.06
66QKWH		4.620	0.115	0.59	4.150	0.166	0.91
679GMW		4.260	-0.245	-1.27	3.760	-0.224	-1.23
69D62L		4.600	0.095	0.49	4.200	0.216	1.18
6UVCBU	X	4.700	0.195	1.01	3.900	-0.084	-0.46
76774Y		4.700	0.195	1.01	4.200	0.216	1.18
7KM2JV		4.485	-0.020	-0.11	4.060	0.076	0.42
7Y33FL	X	4.070	-0.435	-2.25	3.930	-0.054	-0.29
82P4WT		4.850	0.345	1.78	4.250	0.266	1.46
8DW7XG		4.696	0.190	0.98	4.072	0.088	0.48
8NHA6G	*	4.250	-0.255	-1.32	3.600	-0.384	-2.10
8Q7PTQ		4.450	-0.055	-0.29	3.900	-0.084	-0.46
92KZKU		4.550	0.045	0.23	4.200	0.216	1.18
9VUQAV		4.750	0.245	1.26	4.250	0.266	1.46
AE3BLP		4.450	-0.055	-0.29	3.940	-0.044	-0.24
AHPURU		4.600	0.095	0.49	4.000	0.016	0.09
AJYWFD		4.455	-0.050	-0.26	4.015	0.031	0.17
AWHMCU		4.745	0.240	1.24	4.180	0.196	1.08
AWMY2C		4.105	-0.400	-2.07	3.645	-0.339	-1.86
B6R9ZP	X	4.100	-0.405	-2.10	3.400	-0.584	-3.20
CCA2QE		4.420	-0.085	-0.44	3.950	-0.034	-0.18
CEERV9		4.600	0.095	0.49	3.950	-0.034	-0.18
DM32J9	*	4.300	-0.205	-1.06	3.600	-0.384	-2.10
ELNWKB		4.450	-0.055	-0.29	3.900	-0.084	-0.46
F2W7Z6		4.520	0.015	0.08	4.020	0.036	0.20
FHLFKL		4.310	-0.195	-1.01	3.805	-0.179	-0.98
FLKRGL	X	5.150	0.645	3.33	4.500	0.516	2.83



ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #078

Analysis 910

Fall 2024

Glucose + Fructose

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
G2EGCH		4.900	0.395	2.04	4.300	0.316	1.73
GHY8BH		4.450	-0.055	-0.29	3.920	-0.064	-0.35
GK7MKA		4.250	-0.255	-1.32	3.900	-0.084	-0.46
HBZXM6	*	3.970	-0.535	-2.77	3.575	-0.409	-2.24
HJPQRA	*	4.315	-0.190	-0.98	4.020	0.036	0.20
J4VKY7	X	3.770	-0.735	-3.80	3.500	-0.484	-2.65
JHURT2		4.430	-0.075	-0.39	3.970	-0.014	-0.08
JKFBY7		4.555	0.050	0.26	4.085	0.101	0.55
JLBUZ8	X	4.900	0.395	2.04	3.800	-0.184	-1.01
JLPLNH		4.600	0.095	0.49	4.000	0.016	0.09
JRD46E		4.950	0.445	2.30	4.400	0.416	2.28
JVE8W2		4.425	-0.080	-0.42	3.925	-0.059	-0.32
JVZMAH		4.505	0.000	0.00	4.020	0.036	0.20
JZA2U3	*	4.000	-0.505	-2.61	3.500	-0.484	-2.65
JZWA47		4.325	-0.180	-0.93	3.745	-0.239	-1.31
K8P2P6		4.975	0.470	2.43	4.390	0.406	2.23
KJEXNH		4.400	-0.105	-0.54	4.050	0.066	0.36
LB4V3H		4.400	-0.105	-0.54	3.900	-0.084	-0.46
LDAGT3		4.470	-0.035	-0.18	3.910	-0.074	-0.40
LQVT6C		4.850	0.345	1.78	4.300	0.316	1.73
M4YE83	X	1.950	-2.555	-13.21	2.070	-1.914	-10.49
M9TELX		4.525	0.020	0.10	4.160	0.176	0.97
MANWMY		4.500	-0.005	-0.03	4.000	0.016	0.09
MHXJFY		4.500	-0.005	-0.03	3.985	0.001	0.01
MZH CZW		4.500	-0.005	-0.03	3.945	-0.039	-0.21
NALQJA		4.470	-0.035	-0.18	3.880	-0.104	-0.57
NC8BPD		4.870	0.365	1.88	4.350	0.366	2.01
NFL9UF	X	1.075	-3.430	-17.73	1.410	-2.574	-14.10
NR2ZKB		4.550	0.045	0.23	4.050	0.066	0.36
NUR2ND		4.800	0.295	1.52	4.250	0.266	1.46
P2ML3D		4.360	-0.145	-0.75	3.805	-0.179	-0.98
P97MMW	X	5.295	0.790	4.08	4.480	0.496	2.72
PDE899		4.710	0.205	1.06	4.200	0.216	1.18
PGCTZC		4.420	-0.085	-0.44	3.880	-0.104	-0.57
QC2V7X		4.450	-0.055	-0.29	3.900	-0.084	-0.46



Analysis 910
Glucose + Fructose

Table with 8 columns: WebCode, Data Flag, Lab Mean, Diff from Grand Mean, CPV (for Sample SA55), Lab Mean, Diff from Grand Mean, CPV (for Sample SA56). Rows include various codes like QJLXDZ, QLL7HB, etc., with some marked with a red 'X' in the Data Flag column.



Analysis 910
Glucose + Fructose

Grand Means		Summary Statistics	
	4.5054 g/L		3.9837 g/L
Std Dev Btwn Labs			0.1825 g/L
	0.1935 g/L		
Statistics based on 87 of 102 reporting participants			

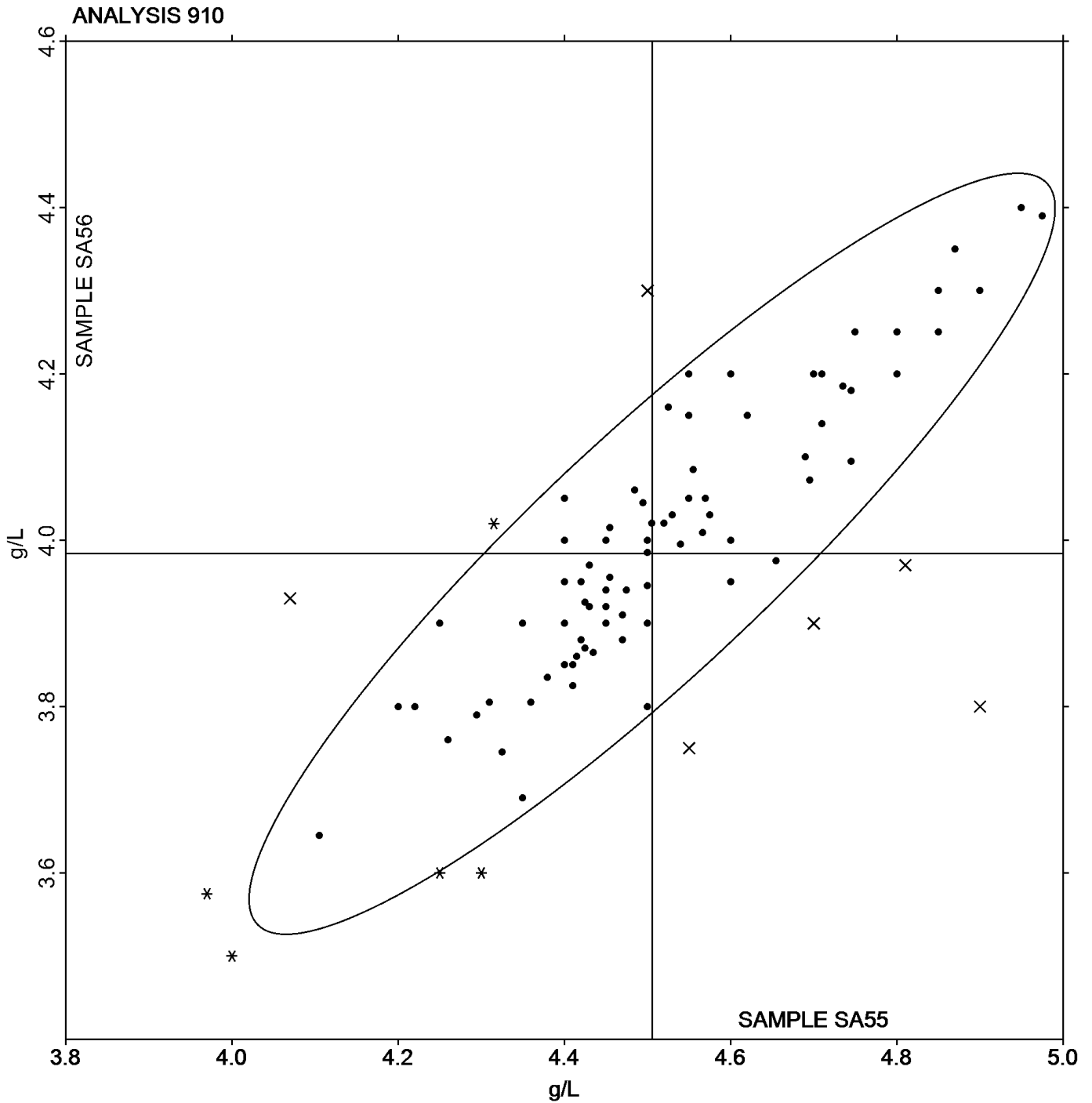
Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc

Comments on Assigned Data Flags for Test #910

- 37BHFJ (X) - Extreme data.
- B6R9ZP (X) - Data for sample SA56 are low.
- Z26CH2 (X) - Data for both samples are low. Possible Systematic Error.
- 6UVCBU (X) - Inconsistent in testing between samples.
- FLKRGL (X) - Data for both samples are high. Possible Systematic Error.
- YWZUAN (X) - Inconsistent within the determinations of sample SA56.
- VAJ8W9 (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample SA55.
- 3QKMWZ (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample SA56.
- NFL9UF (X) - Data for both samples are low.
- 2LTX24 (X) - Inconsistent in testing, data for sample SA55 are low.
- P97MMW (X) - Inconsistent in testing, data for sample SA55 are high.
- M4YE83 (X) - Data for both samples are low.
- J4VKY7 (X) - Inconsistent in testing, data for sample SA55 are low.
- JLBUZ8 (X) - Inconsistent in testing between samples.
- 7Y33FL (X) - Inconsistent in testing between samples.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA55 <i>Pinot Grigio</i>			Sample SA56 <i>Sauvignon Blanc</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
HPLC	4.850	0.000	0.345	4.250	0.000	0.266	1/1
Enzymatic/Spectrophotometric	4.500	0.192	-0.005	3.982	0.176	-0.002	80/92
FTIR	4.517	0.306	0.011	3.933	0.351	-0.050	3/6
Other	4.518	0.074	0.013	4.005	0.200	0.021	3/3





**Analysis 911
Copper Content**

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
28PRNJ		0.0160	-0.0419	-0.86	0.0190	-0.2200	-2.16
3QKMWZ		0.0350	-0.0229	-0.47	0.1750	-0.0640	-0.63
4L3JPV		0.0150	-0.0429	-0.88	0.2150	-0.0240	-0.24
679GMW		0.0380	-0.0199	-0.41	0.1710	-0.0680	-0.67
6UVCBU		0.0360	-0.0219	-0.45	0.2760	0.0370	0.36
82P4WT		0.0500	-0.0079	-0.16	0.2500	0.0110	0.11
8NHA6G		0.0300	-0.0279	-0.57	0.2200	-0.0190	-0.19
8Q7PTQ		0.0395	-0.0184	-0.38	0.3285	0.0895	0.88
AHPURU		0.0265	-0.0314	-0.64	0.2105	-0.0285	-0.28
B6R9ZP		0.1000	0.0421	0.86	0.2600	0.0210	0.21
G2EGCH		0.1050	0.0471	0.97	0.4250	0.1860	1.83
JRD46E		0.1000	0.0421	0.86	0.3050	0.0660	0.65
JVZMAH		0.0400	-0.0179	-0.37	0.2450	0.0060	0.06
K8P2P6		0.0555	-0.0024	-0.05	0.3220	0.0830	0.82
KJEXNH		0.0335	-0.0244	-0.50	0.2725	0.0335	0.33
QC2V7X	*	0.1800	0.1221	2.50	0.0400	-0.1990	-1.96
QLL7HB	*	0.2000	0.1421	2.91	0.2200	-0.0190	-0.19
RUEY7U		0.0300	-0.0279	-0.57	0.2850	0.0460	0.45
RWZJBY		0.0335	-0.0244	-0.50	0.2635	0.0245	0.24
TXF3VW		0.0650	0.0071	0.15	0.3150	0.0760	0.75
W4QPV3		0.0275	-0.0304	-0.62	0.2750	0.0360	0.35
YNM3JQ		0.0475	-0.0104	-0.21	0.3730	0.1340	1.32
Z26CH2		0.0280	-0.0299	-0.61	0.0300	-0.2090	-2.06

Grand Means		Summary Statistics	
	0.05789 mg/L		0.23896 mg/L
Std Dev Btwn Labs			0.10162 mg/L
	0.04876 mg/L		
Statistics based on 23 of 23 reporting participants			

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc



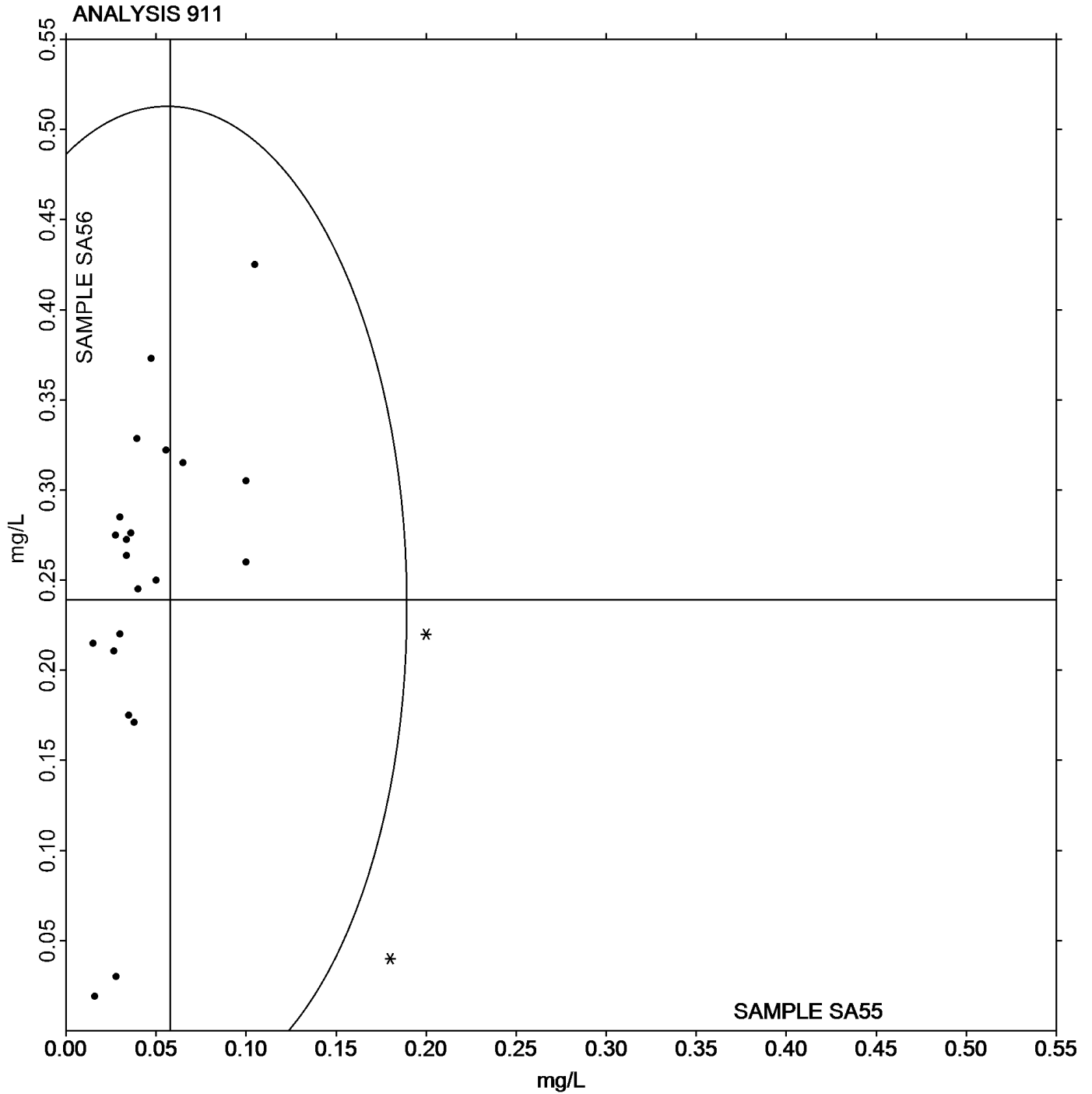
**Analysis 911
Copper Content**

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA55 <i>Pinot Grigio</i>			Sample SA56 <i>Sauvignon Blanc</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method used	0.016	0.000	-0.0419	0.019	0.000	-0.2200	1/1
Atomic Absorption Spectroscopy	0.050	0.032	-0.0077	0.281	0.080	0.0415	9/9
ICP	0.062	0.053	0.0040	0.246	0.090	0.0070	8/8
FTIR	0.065	0.000	0.0071	0.315	0.000	0.0760	1/1
Other	0.034	0.008	-0.0239	0.138	0.152	-0.1015	2/2
Colorimetric Analysis	0.118	0.117	0.0596	0.198	0.032	-0.0415	2/2



Analysis 911
Copper Content





Potassium (K) Content

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
3QKMWZ		647.0	72.7	0.65	642.0	73.2	0.63
82P4WT		525.0	-49.3	-0.44	525.0	-43.8	-0.38
8NHA6G		548.0	-26.3	-0.23	547.5	-21.3	-0.18
8Q7PTQ		500.7	-73.6	-0.66	496.5	-72.2	-0.62
AHPURU		600.0	25.7	0.23	585.0	16.2	0.14
GJUQDJ		730.5	156.2	1.39	745.5	176.7	1.53
JHURT2		474.0	-100.3	-0.89	462.0	-106.8	-0.92
JRD46E		574.5	0.2	0.00	587.5	18.7	0.16
JVZMAH		535.5	-38.8	-0.35	501.5	-67.3	-0.58
KJEXNH		577.0	2.7	0.02	552.5	-16.3	-0.14
MHXJFY		654.5	80.2	0.71	646.0	77.2	0.67
N7LFNA		559.5	-14.9	-0.13	562.7	-6.1	-0.05
P97MMW		635.0	60.7	0.54	610.0	41.2	0.36
QC2V7X	X	926.4	352.1	3.14	653.1	84.4	0.73
QLL7HB		748.5	174.2	1.55	738.0	169.2	1.46
RUEY7U		496.5	-77.8	-0.69	513.5	-55.3	-0.48
TDKTDR		587.0	12.7	0.11	612.0	43.2	0.37
VJ83XA		634.5	60.2	0.54	633.0	64.2	0.56
WYWMUM	*	210.0	-364.3	-3.24	192.5	-376.3	-3.25
YNM3JQ		645.7	71.4	0.64	647.6	78.8	0.68
ZK6ZCK		603.5	29.2	0.26	575.0	6.2	0.05

Grand Means		Summary Statistics	
	574.34 mg/L		568.76 mg/L
Std Dev Btw Labs			
	112.30 mg/L		115.67 mg/L
Statistics based on 20 of 21 reporting participants			

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc

Comments on Assigned Data Flags for Test #912

QC2V7X (X) - Inconsistent in testing between samples.



Potassium (K) Content

Results by Methodology (as reported by laboratory)

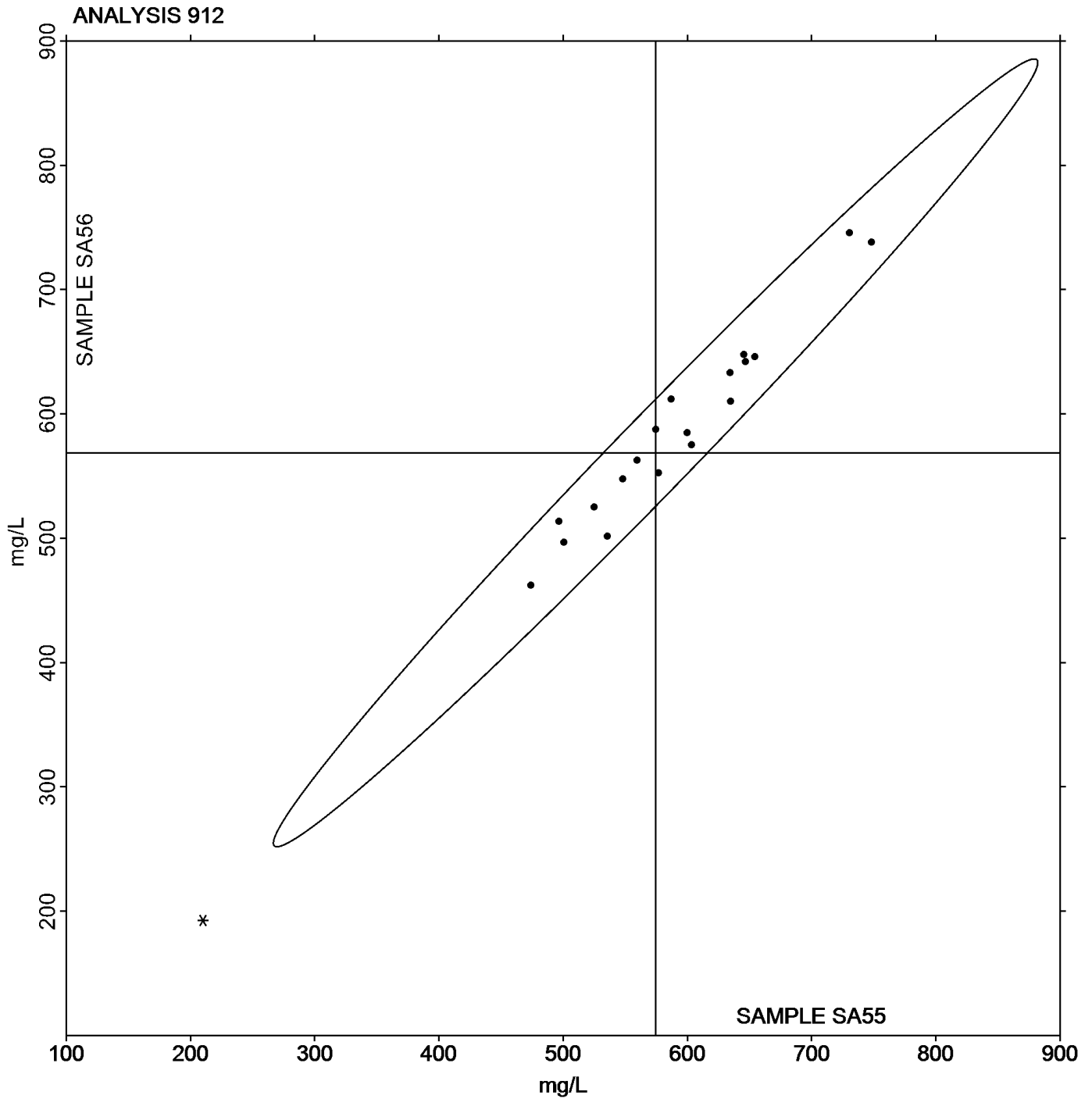
Test Methodology	Sample SA55 <i>Pinot Grigio</i>			Sample SA56 <i>Sauvignon Blanc</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Atomic Absorption Spectroscopy	584.383	53.410	10.0	585.917	53.954	17.2	3/3
ICP	545.624	43.881	-28.7	543.338	37.915	-25.4	6/7
Other	533.300	194.440	-41.0	525.300	206.032	-43.5	5/5
Colorimetric Analysis	632.250	88.637	57.9	621.833	89.774	53.1	6/6



Analysis 912

Fall 2024

Potassium (K) Content





ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #078

**Analysis 915
A420nm (1cm path)**

Fall 2024

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
24PHHN		0.0690	0.0037	0.61	0.0675	0.0024	0.41
28PRNJ	X	0.0280	-0.0373	-6.07	0.0240	-0.0411	-7.11
37BHfJ	X	0.0385	-0.0268	-4.36	0.0380	-0.0271	-4.69
3QKMWZ		0.0696	0.0043	0.69	0.0686	0.0034	0.59
4L3JPV		0.0660	0.0007	0.12	0.0630	-0.0021	-0.37
4NMQPH		0.0635	-0.0018	-0.29	0.0655	0.0004	0.06
66QKWH		0.0790	0.0137	2.23	0.0785	0.0134	2.31
679GMW	X	0.0730	0.0077	1.26	0.0865	0.0214	3.69
7KM2JV	X	0.1345	0.0692	11.27	0.1310	0.0659	11.39
7Y33FL		0.0646	-0.0007	-0.11	0.0656	0.0005	0.08
8DW7XG	X	0.0940	0.0287	4.68	0.0880	0.0229	3.95
8NHA6G		0.0680	0.0027	0.44	0.0750	0.0099	1.71
8Q7PTQ		0.0700	0.0047	0.77	0.0705	0.0054	0.93
9VUQAV	*	0.0500	-0.0153	-2.49	0.0500	-0.0151	-2.61
AE3BLP		0.0665	0.0012	0.20	0.0645	-0.0006	-0.11
AHPURU		0.0675	0.0022	0.36	0.0655	0.0004	0.06
AJYWFD	X	0.0640	-0.0013	-0.21	0.0090	-0.0561	-9.70
AWHMCU		0.0700	0.0047	0.77	0.0690	0.0039	0.67
AWMY2C		0.0680	0.0027	0.44	0.0665	0.0014	0.24
CEERV9		0.0595	-0.0058	-0.94	0.0575	-0.0076	-1.32
DM32J9	X	0.0900	0.0247	4.03	0.0545	-0.0106	-1.84
G2EGCH		0.0652	-0.0001	-0.01	0.0710	0.0058	1.01
GJUQDJ		0.0590	-0.0063	-1.02	0.0585	-0.0066	-1.15
J4VKY7	X	0.1150	0.0497	8.10	0.0680	0.0029	0.50
JHPAV3		0.0580	-0.0073	-1.19	0.0610	-0.0041	-0.71
JHURT2		0.0640	-0.0013	-0.21	0.0680	0.0029	0.50
JLBUZ8		0.0550	-0.0103	-1.68	0.0570	-0.0081	-1.40
JLPLNH		0.0650	-0.0003	-0.05	0.0655	0.0004	0.06
JRD46E		0.0630	-0.0023	-0.37	0.0655	0.0004	0.06
JVE8W2		0.0576	-0.0077	-1.26	0.0575	-0.0076	-1.32
JVZMAH		0.0680	0.0027	0.44	0.0680	0.0029	0.50
JZA2U3		0.0645	-0.0008	-0.13	0.0660	0.0009	0.15
KJEXNH		0.0660	0.0007	0.12	0.0655	0.0004	0.06
LQVT6C		0.0580	-0.0073	-1.19	0.0555	-0.0096	-1.66
MHXJFY		0.0652	-0.0001	-0.02	0.0644	-0.0007	-0.13



**Analysis 915
A420nm (1cm path)**

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
NFL9UF		0.0550	-0.0103	-1.68	0.0600	-0.0051	-0.89
NR2ZKB		0.0645	-0.0008	-0.13	0.0685	0.0034	0.58
P2ML3D	X	0.1145	0.0492	8.02	0.1120	0.0469	8.10
P97MMW		0.0665	0.0012	0.20	0.0670	0.0019	0.32
QC2V7X		0.0705	0.0052	0.85	0.0630	-0.0021	-0.37
QLL7HB	X	0.0270	-0.0383	-6.24	0.0250	-0.0401	-6.94
RUEY7U		0.0695	0.0042	0.69	0.0670	0.0019	0.32
RWZJBY	X	0.0720	0.0067	1.09	0.0880	0.0229	3.95
TV6KCQ		0.0670	0.0017	0.28	0.0690	0.0039	0.67
TXF3VW		0.0770	0.0117	1.91	0.0755	0.0104	1.79
VAJ8W9	*	0.0750	0.0097	1.58	0.0645	-0.0006	-0.11
VHDA3Q		0.0570	-0.0083	-1.35	0.0630	-0.0021	-0.37
VJ83XA		0.0690	0.0037	0.61	0.0665	0.0014	0.24
W4QPV3		0.0670	0.0017	0.28	0.0680	0.0029	0.50
WFGFF7		0.0600	-0.0053	-0.86	0.0550	-0.0101	-1.75
WYWMUM	X	0.0184	-0.0469	-7.64	0.0129	-0.0522	-9.03
YMRJGP		0.0620	-0.0033	-0.54	0.0650	-0.0001	-0.02
YNM3JQ		0.0730	0.0077	1.26	0.0735	0.0084	1.45
YUCKX2		0.0620	-0.0033	-0.54	0.0600	-0.0051	-0.89
YWZUAN		0.0610	-0.0043	-0.70	0.0580	-0.0071	-1.23
Z26CH2	X	0.0280	-0.0373	-6.07	0.0300	-0.0351	-6.07
ZM76QQ		0.0770	0.0117	1.91	0.0715	0.0064	1.10

Grand Means	Summary Statistics
0.06529 Absorbance Units	0.06513 Absorbance Units
Std Dev Btwn Labs	
0.00614 Absorbance Units	0.00578 Absorbance Units
Statistics based on 44 of 57 reporting participants	

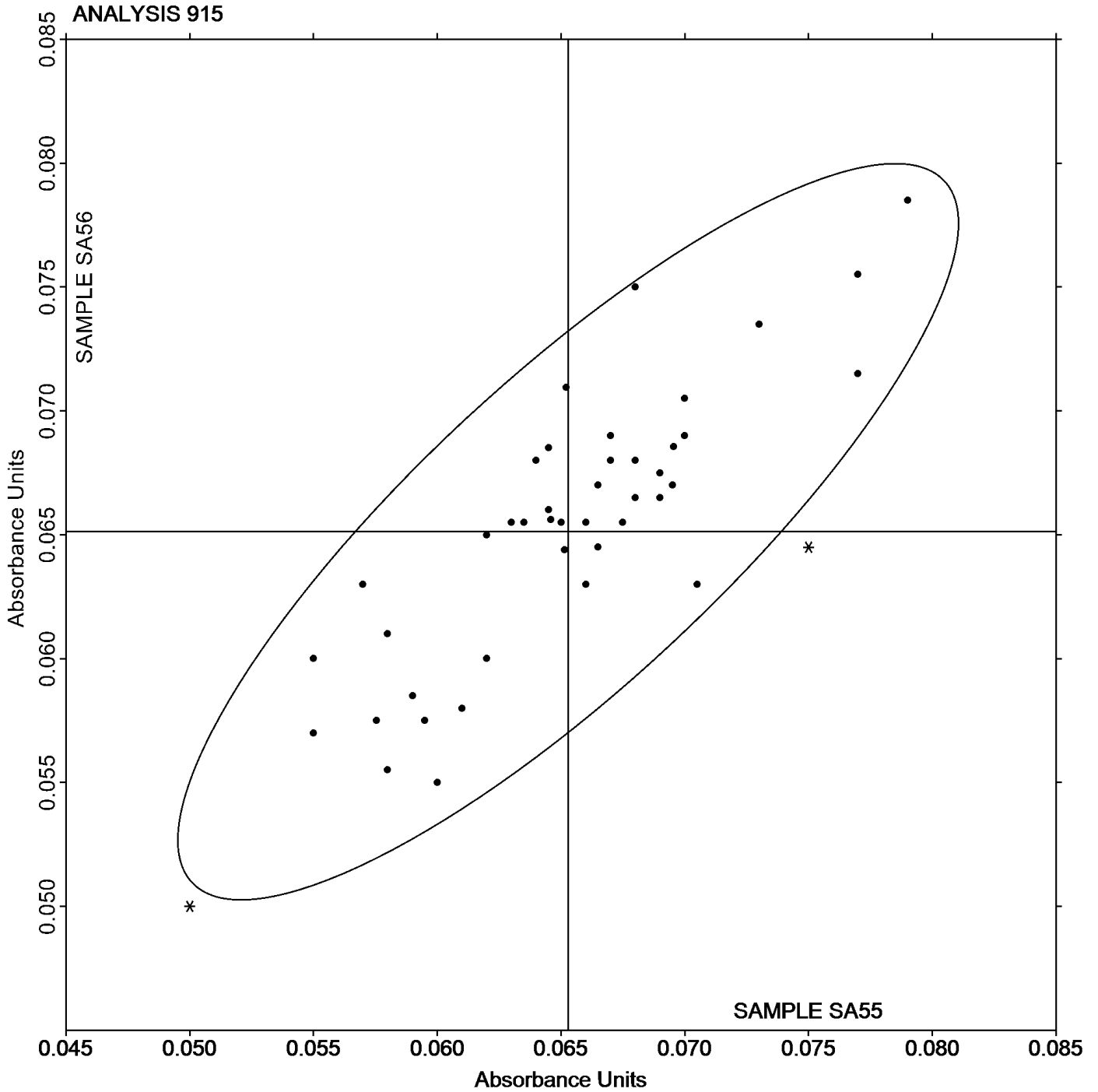
Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc



**Analysis 915
A420nm (1cm path)**

Comments on Assigned Data Flags for Test #915

- 37BHFJ (X) - Data for both samples are low. Possible Systematic Error.
- QLL7HB (X) - Data for both samples are low. Possible Systematic Error.
- 679GMW (X) - Inconsistent in testing, data for sample SA56 are high.
- 7KM2JV (X) - Data for both samples are high.
- Z26CH2 (X) - Data for both samples are low. Possible Systematic Error.
- P2ML3D (X) - Data for both samples are high. Possible Systematic Error.
- WYWMUM (X) - Data for both samples are low. Possible Systematic Error.
- 28PRNJ (X) - Data for both samples are low. Possible Systematic Error.
- DM32J9 (X) - Inconsistent in testing, data for sample SA55 are high.
- AJYWFD (X) - Inconsistent in testing, data for sample SA56 are low.
- 8DW7XG (X) - Data for both samples are high. Possible Systematic Error.
- J4VKY7 (X) - Inconsistent in testing, data for sample SA55 are high.
- RWZJBY (X) - Inconsistent in testing, data for sample SA56 are high. Inconsistent within the determinations of sample SA56.





ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #078

**Analysis 916
A520nm (1cm path)**

Fall 2024

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
24PHHN		0.0130	-0.0002	-0.05	0.0100	-0.0006	-0.15
37BHFJ		0.0145	0.0013	0.32	0.0180	0.0074	1.83
3QKMWZ		0.0137	0.0005	0.12	0.0129	0.0023	0.57
4L3JPV		0.0120	-0.0012	-0.30	0.0070	-0.0036	-0.89
4NMQPH		0.0125	-0.0007	-0.17	0.0100	-0.0006	-0.15
66QKWH		0.0220	0.0088	2.16	0.0180	0.0074	1.83
679GMW	X	0.0190	0.0058	1.42	0.0295	0.0189	4.68
7KM2JV	X	0.0750	0.0618	15.17	0.0710	0.0604	14.94
7Y33FL		0.0116	-0.0017	-0.41	0.0095	-0.0011	-0.27
8DW7XG	X	0.0290	0.0158	3.88	0.0250	0.0144	3.56
8NHA6G	*	0.0130	-0.0002	-0.05	0.0200	0.0094	2.33
8Q7PTQ		0.0140	0.0008	0.20	0.0115	0.0009	0.22
AE3BLP		0.0140	0.0008	0.20	0.0105	-0.0001	-0.02
AHPURU		0.0115	-0.0017	-0.42	0.0095	-0.0011	-0.27
AJYWFD		0.0110	-0.0022	-0.54	0.0100	-0.0006	-0.15
AWHMCU		0.0130	-0.0002	-0.05	0.0100	-0.0006	-0.15
AWMY2C		0.0145	0.0013	0.32	0.0105	-0.0001	-0.02
CEERV9		0.0095	-0.0037	-0.91	0.0055	-0.0051	-1.26
DM32J9	M	0.0035	-0.0097	-2.38	No data reported for this sample		
G2EGCH		0.0109	-0.0024	-0.58	0.0127	0.0021	0.52
GJUQDJ		0.0115	-0.0017	-0.42	0.0090	-0.0016	-0.40
J4VKY7	X	0.0340	0.0208	5.11	0.0090	-0.0016	-0.40
JHPAV3	X	0.0100	-0.0032	-0.79	0.0900	0.0794	19.64
JHURT2		0.0130	-0.0002	-0.05	0.0120	0.0014	0.35
JLBUZ8	*	0.0020	-0.0112	-2.75	0.0010	-0.0096	-2.37
JLPLNH		0.0130	-0.0002	-0.05	0.0105	-0.0001	-0.02
JRD46E		0.0105	-0.0027	-0.66	0.0095	-0.0011	-0.27
JVE8W2		0.0036	-0.0097	-2.37	0.0040	-0.0066	-1.64
JVZMAH		0.0155	0.0023	0.56	0.0130	0.0024	0.59
KJEXNH		0.0130	-0.0002	-0.05	0.0105	-0.0001	-0.02
MHXJFY	*	0.0225	0.0092	2.27	0.0207	0.0101	2.49
NFL9UF		0.0150	0.0018	0.44	0.0100	-0.0006	-0.15
NR2ZKB		0.0140	0.0008	0.20	0.0115	0.0009	0.22
P2ML3D	X	0.0555	0.0423	10.38	0.0510	0.0404	9.99
P97MMW		0.0125	-0.0007	-0.17	0.0100	-0.0006	-0.15



Analysis 916
A520nm (1cm path)

Table with 8 columns: WebCode, Data Flag, Lab Mean, Diff from Grand Mean, CPV (repeated for Sample SA55 and Sample SA56). Rows include QC2V7X, QLL7HB, RUEY7U, RWZJBY, TV6KCQ, TXF3VW, VAJ8W9, VHDA3Q, VJ83XA, WFGFF7, WYWMUM, YMRJGP, YNM3JQ, YUCKX2, YWZUAN, ZM76QQ.

Summary Statistics table with 2 columns: Grand Means, Std Dev Btwn Labs. Values: 0.01320 Absorbance Units, 0.01060 Absorbance Units, 0.00407 Absorbance Units, 0.00404 Absorbance Units. Note: Statistics based on 42 of 51 reporting participants.

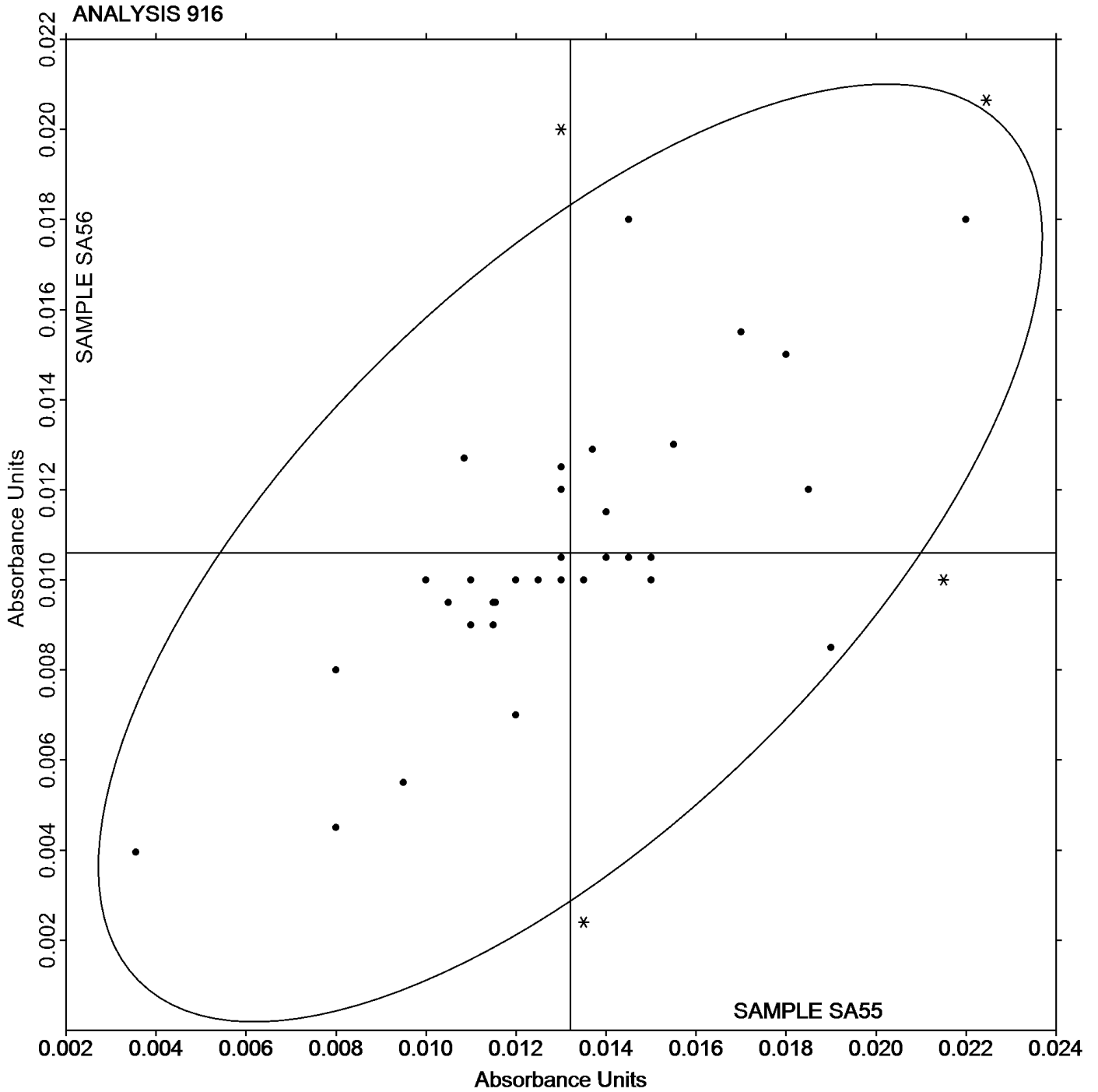
Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc

Comments on Assigned Data Flags for Test #916

- 679GMW (X) - Data for sample SA56 are high.
7KM2JV (X) - Data for both samples are high.
P2ML3D (X) - Data for both samples are high.
DM32J9 (M) - Participant did not submit data for sample SA56.
JHPAV3 (X) - Data for sample SA56 are high.
8DW7XG (X) - Data for both samples are high.
YNM3JQ (X) - Data for both samples are high. Inconsistent within the determinations of sample SA56.
J4VKY7 (X) - Data for sample SA55 are high.
RWZJBY (X) - Data for sample SA56 are high. Inconsistent within the determinations of sample SA56.



Analysis 916
A520nm (1cm path)





ASEV-CTS Wine Industry Interlaboratory Testing Program
Research Property 950
Research Property:Conductivity @ 20C

Report #078
Fall 2024

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Target Value	% Diff from Target Value	Lab Mean	Diff from Target Value	% Diff from Target Value
28PRNJ		1,645.0	-18.9	-0.09	1,633.0	9.1	0.04
3QKMWZ		1,585.0	-78.9	-0.37	1,538.0	-85.9	-0.39
4L3JPV		1,781.0	117.1	0.55	1,733.5	109.6	0.50
679GMW		1,403.5	-260.4	-1.21	1,366.0	-257.9	-1.18
7KM2JV	*	2,302.5	638.6	2.98	2,287.0	663.1	3.05
8DW7XG		1,767.0	103.1	0.48	1,838.0	214.1	0.98
8Q7PTQ		1,562.9	-101.0	-0.47	1,510.3	-113.6	-0.52
AE3BLP		1,603.0	-60.9	-0.28	1,588.0	-35.9	-0.16
AHPURU		1,612.5	-51.4	-0.24	1,565.0	-58.9	-0.27
CCA2QE	X	23.5	-1,640.4	-7.65	20.8	-1,603.1	-7.36
GJUQDJ		1,603.0	-60.9	-0.28	1,601.0	-22.9	-0.10
GK7MKA		1,775.5	111.6	0.52	1,720.5	96.6	0.44
JLPLNH		1,799.5	135.6	0.63	1,741.5	117.6	0.54
JRD46E		1,815.0	151.1	0.70	1,770.0	146.1	0.67
JVE8W2		1,527.5	-136.4	-0.64	1,486.2	-137.7	-0.63
KJEXNH		1,668.5	4.6	0.02	1,615.0	-8.9	-0.04
LB4V3H	*	1,890.0	226.1	1.05	1,730.0	106.1	0.49
NALQJA	X	0.4	-1,663.5	-7.76	0.4	-1,623.5	-7.46
NR2ZKB		1,459.3	-204.6	-0.95	1,416.7	-207.2	-0.95
P97MMW		1,447.5	-216.4	-1.01	1,394.0	-229.9	-1.06
YNM3JQ		1,365.9	-298.0	-1.39	1,319.6	-304.3	-1.40

Research Property Consensus Value

Consensus Average

1,663.89 uS/cm

1,623.85 uS/cm

Note: Tests 950, 951 and 952, are research tests. As a result participants should use caution when evaluating data for these tests.

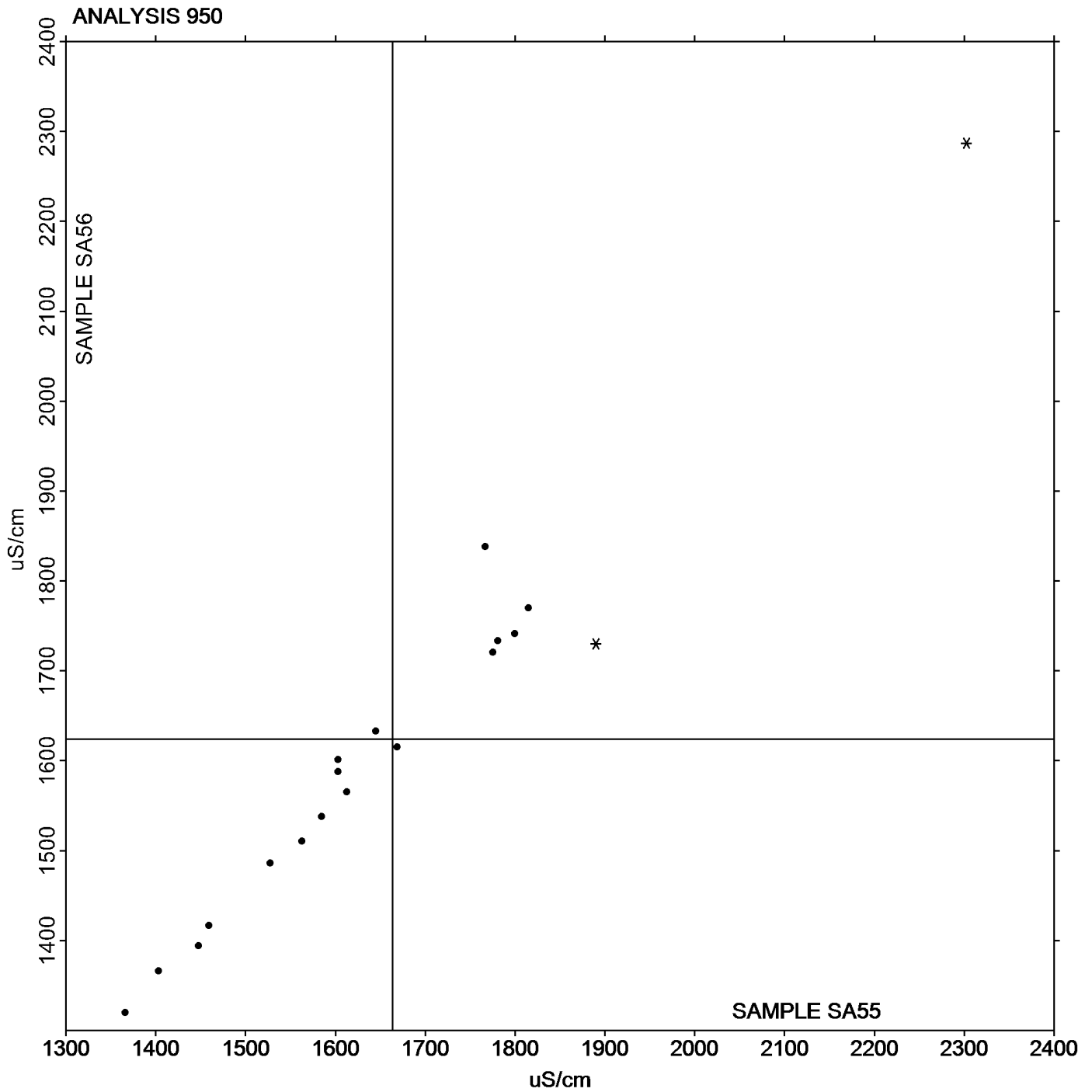
This consensus average is based on 19 reporting participants.

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc

Comments on Assigned Data Flags for Test #950

NALQJA (X) - Extreme data.

CCA2QE (X) - Extreme data.



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



ASEV-CTS Wine Industry Interlaboratory Testing Program
Research Property 951
Research: Calcium Content

Report #078
Fall 2024

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Target Value	% Diff from Target Value	Lab Mean	Diff from Target Value	% Diff from Target Value
3QKMWZ		99.0	-3.8	-0.17	83.00	-0.24	-0.02
4L3JPV		71.5	-31.3	-1.40	59.50	-23.74	-2.30
679GMW	*	167.0	64.2	2.87	93.50	10.26	0.99
8NHA6G		104.0	1.2	0.05	90.00	6.76	0.66
8Q7PTQ		98.3	-4.5	-0.20	81.29	-1.94	-0.19
AHPURU		92.5	-10.3	-0.46	76.50	-6.74	-0.65
JRD46E		100.5	-2.3	-0.10	85.85	2.61	0.25
KJEXNH		107.0	4.2	0.19	84.75	1.51	0.15
QC2V7X		96.4	-6.5	-0.29	99.00	15.76	1.53
RUEY7U		91.5	-11.3	-0.51	74.00	-9.24	-0.90
TXF3VW		108.6	5.8	0.26	90.80	7.56	0.73
W4QPV3		97.6	-5.3	-0.24	80.65	-2.59	-0.25

Research Property Consensus Value

Consensus Average

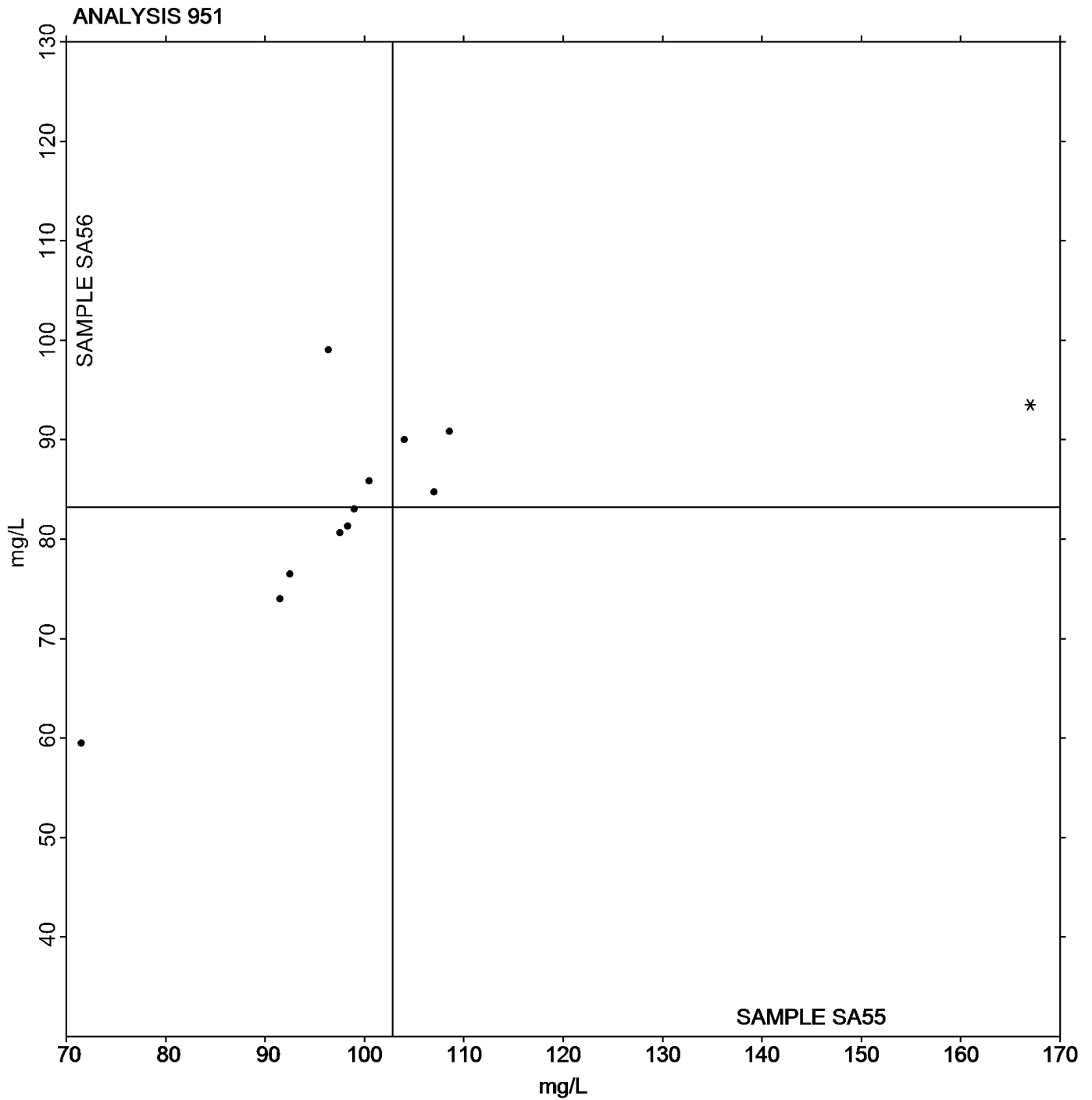
102.82 mg/L

83.237 mg/L

Note: Tests 950, 951 and 952, are research tests. As a result participants should use caution when evaluating data for these tests.

This consensus average is based on 12 reporting participants.

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc



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



Research Property: Calories

WebCode	Data Flag	Sample SA55			Sample SA56		
		Lab Mean	Diff from Target Value	% Diff from Target Value	Lab Mean	Diff from Target Value	% Diff from Target Value
3QKMWZ		68.00	-4.03	-1.31	70.00	-3.74	-1.24
679GMW		70.33	-1.70	-0.55	72.36	-1.38	-0.46
7Y33FL		72.00	-0.03	-0.01	74.80	1.06	0.35
8NHA6G		78.74	6.71	2.18	80.62	6.88	2.28
8Q7PTQ		74.05	2.02	0.66	75.07	1.33	0.44
AHPURU		73.50	1.47	0.48	75.50	1.76	0.58
JRD46E		72.45	0.42	0.14	74.30	0.56	0.19
KJEXNH		73.71	1.68	0.55	75.41	1.67	0.55
P2ML3D		67.00	-5.03	-1.64	69.00	-4.74	-1.57
P97MMW	X	262.35	190.32	61.97	269.02	195.27	64.60
RUEY7U		73.04	1.01	0.33	74.39	0.65	0.22
VJ83XA		73.00	0.97	0.32	74.00	0.26	0.09
YNM3JQ		72.10	0.07	0.02	73.20	-0.54	-0.18
ZK6ZCK		68.49	-3.54	-1.15	69.98	-3.76	-1.24

Research Property Consensus Value

Consensus Average

72.032 kcal/100ml

73.740 kcal/100ml

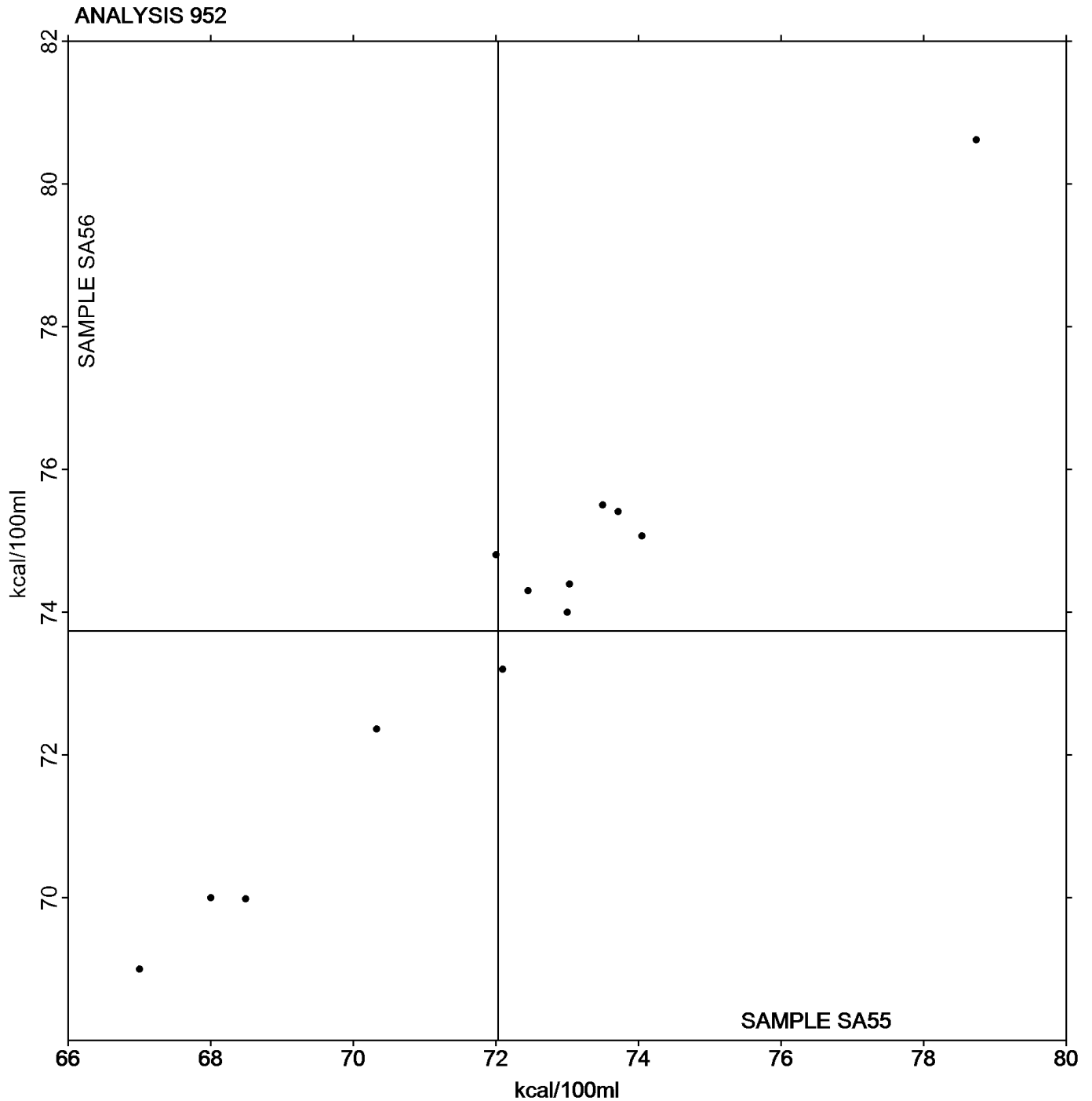
Note: Tests 950, 951 and 952, are research tests. As a result participants should use caution when evaluating data for these tests.

This consensus average is based on 13 reporting participants.

Wines tested: SA55: Pinot Grigio; SA56: Sauvignon Blanc

Comments on Assigned Data Flags for Test #952

P97MMW (X) - High data for both samples.



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

-End of Report-