

Wine Industry Interlaboratory Program

Summary Report #082 - Spring 2026

[Introduction to the Wine Program](#)

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

Analysis	Analysis Name
<u>9001</u>	<u>Ethanol (% of volume)</u>
<u>9005</u>	<u>Methanol</u>
<u>9020</u>	<u>Total Sulfur Dioxide</u>
<u>9021</u>	<u>Free Sulfur Dioxide</u>
<u>9022</u>	<u>L-Malic Acid</u>
<u>9024</u>	<u>Citric Acid</u>
<u>9027</u>	<u>pH</u>
<u>9030</u>	<u>Titrateable Acidity (8.2)</u>
<u>9032</u>	<u>Volatile Acidity</u>
<u>9040</u>	<u>Specific Gravity</u>
<u>9045</u>	<u>Turbidity</u>
<u>9050</u>	<u>Residual Sugar</u>
<u>9051</u>	<u>Glucose + Fructose</u>
<u>9060</u>	<u>Copper (Cu)</u>
<u>9061</u>	<u>Potassium (K)</u>
<u>9065</u>	<u>Iron (Fe)</u>
<u>9092</u>	<u>A420nm (1cm path)</u>
<u>9093</u>	<u>A520nm (1cm path)</u>
<u>9100</u>	<u>Calories</u>
<u>9028</u>	<u>Research: Potassium Sorbate as sorbic acid</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:

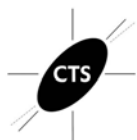
<u>DATA FLAG</u>	<u>STATISTICALLY INCLUDED/EXCLUDED</u>	<u>ACTION REQUIRED</u>
*	INCLUDED	CAUTION - Review testing procedure and monitor future results. Results fall outside 95% ellipse but within a 99% ellipse that is calculated but not drawn.
X	EXCLUDED	STOP - Immediate review of data and/or testing 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 #082
Spring 2026

Analysis 9001 Ethanol (% of volume)

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME	X	9.320	0.481	8.97	9.295	0.458	8.58
2ZKJXA		8.725	-0.114	-2.12	8.750	-0.087	-1.63
3GAQTM		8.880	0.041	0.77	8.905	0.068	1.27
3GPADK		8.860	0.021	0.40	8.835	-0.002	-0.04
3JR9NC		8.800	-0.039	-0.72	8.810	-0.027	-0.51
44EYKN		8.860	0.021	0.40	8.885	0.048	0.90
4FCXA9		8.890	0.051	0.95	8.880	0.043	0.80
4JVRBF	*	8.780	-0.059	-1.09	8.818	-0.020	-0.37
4V4XYM		8.850	0.011	0.21	8.845	0.008	0.15
6BXMVJ		8.820	-0.019	-0.35	8.810	-0.027	-0.51
6EBMRB		8.835	-0.004	-0.07	8.830	-0.007	-0.14
6F7348	X	8.930	0.091	1.70	9.080	0.243	4.55
6KXAMG		8.840	0.001	0.02	8.835	-0.002	-0.04
73XMVH		8.810	-0.029	-0.54	8.805	-0.032	-0.60
7C3UBG		8.775	-0.064	-1.19	8.745	-0.092	-1.73
7CXAME		8.860	0.021	0.40	8.850	0.013	0.24
7VVBYK		8.800	-0.039	-0.72	8.815	-0.022	-0.42
7YXEPL		8.780	-0.059	-1.09	8.780	-0.057	-1.07
87BMR9		8.875	0.036	0.68	8.840	0.003	0.05
89HYAB		8.790	-0.049	-0.91	8.780	-0.057	-1.07
8ENVTB		8.905	0.066	1.23	8.895	0.058	1.08
8H62R7		8.845	0.006	0.12	8.840	0.003	0.05
8ZKAQK		8.835	-0.004	-0.07	8.825	-0.012	-0.23
9A9KF7		8.770	-0.069	-1.28	8.780	-0.057	-1.07
9DRFGD		8.910	0.071	1.33	8.900	0.063	1.18
9GQT44		8.910	0.071	1.33	8.910	0.073	1.36
9QVZJ3	X	8.800	-0.039	-0.72	8.600	-0.237	-4.44
9UW7Y9		8.780	-0.059	-1.09	8.770	-0.067	-1.26
9XF2YF		8.935	0.096	1.79	8.930	0.093	1.74
A2U2UL	X	8.780	-0.059	-1.09	8.730	-0.107	-2.01
A8BUKC		8.835	-0.004	-0.07	8.830	-0.007	-0.14
APF2ZD		8.845	0.006	0.12	8.825	-0.012	-0.23
B4Q2AA		8.850	0.011	0.21	8.840	0.003	0.05
B4RYK6	X	8.615	-0.224	-4.17	8.700	-0.137	-2.57
B4VJ89		8.825	-0.014	-0.26	8.820	-0.017	-0.32



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Analysis 9001

Spring 2026

Ethanol (% of volume)

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
B8UZHG		8.960	0.121	2.26	8.940	0.103	1.93
BKZQMA		8.815	-0.024	-0.44	8.825	-0.012	-0.23
BWDDDB2		8.845	0.006	0.12	8.850	0.013	0.24
CMNPDD		8.740	-0.099	-1.84	8.735	-0.102	-1.92
CRW8C7		8.830	-0.009	-0.16	8.835	-0.002	-0.04
CVVJ97		8.805	-0.034	-0.63	8.830	-0.007	-0.14
D476UE		8.880	0.041	0.77	8.890	0.053	0.99
F7MB78		8.825	-0.014	-0.26	8.825	-0.012	-0.23
FCNM34		8.835	-0.004	-0.07	8.825	-0.012	-0.23
FMRHL9		8.845	0.006	0.12	8.840	0.003	0.05
FQ9374		8.835	-0.004	-0.07	8.825	-0.012	-0.23
GBC893		8.810	-0.029	-0.54	8.810	-0.027	-0.51
GFRHL8	*	8.840	0.001	0.02	8.880	0.043	0.80
GLTRTY		8.865	0.026	0.49	8.875	0.038	0.71
GRYNCY		8.820	-0.019	-0.35	8.820	-0.017	-0.32
HHNLQY		8.790	-0.049	-0.91	8.810	-0.027	-0.51
HMJDYV		8.770	-0.069	-1.28	8.760	-0.077	-1.45
JD9BDV		8.820	-0.019	-0.35	8.840	0.003	0.05
JGC7UC		8.855	0.016	0.30	8.825	-0.012	-0.23
JVT2B9		8.800	-0.039	-0.72	8.800	-0.037	-0.70
KH3R3U		8.775	-0.064	-1.19	8.780	-0.057	-1.07
LQ9WQ4		8.805	-0.034	-0.63	8.800	-0.037	-0.70
LWEPKZ		8.890	0.051	0.95	8.850	0.013	0.24
MNEPLX	*	8.740	-0.099	-1.84	8.780	-0.057	-1.07
NKYE9U		8.890	0.051	0.95	8.890	0.053	0.99
NPQLQ3		8.795	-0.044	-0.82	8.790	-0.047	-0.88
P2XRGV		8.800	-0.039	-0.72	8.800	-0.037	-0.70
PAVJPN	X	8.810	-0.029	-0.54	8.890	0.053	0.99
Q2B3AK		8.930	0.091	1.70	8.920	0.083	1.55
Q36TFY		8.800	-0.039	-0.72	8.810	-0.027	-0.51
QPJG4P		8.895	0.056	1.05	8.890	0.053	0.99
QQYDWN		8.845	0.006	0.12	8.840	0.003	0.05
QZZZNL		8.840	0.001	0.02	8.810	-0.027	-0.51
T7XA6X		8.850	0.011	0.21	8.850	0.013	0.24
T96R4T		8.840	0.001	0.02	8.825	-0.012	-0.23



**Analysis 9001
Ethanol (% of volume)**

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
TPDLV3		8.870	0.031	0.58	8.865	0.028	0.52
UBRTK2		8.970	0.131	2.45	8.970	0.133	2.49
V6JLKN		8.860	0.021	0.40	8.850	0.013	0.24
VRTTAF		8.825	-0.014	-0.26	8.830	-0.007	-0.14
W8276J		8.800	-0.039	-0.72	8.810	-0.027	-0.51
WXR2RT		8.920	0.081	1.51	8.925	0.088	1.64
X32EAR		8.920	0.081	1.51	8.940	0.103	1.93
XD26TD		8.820	-0.019	-0.35	8.815	-0.022	-0.42
XYGMXN		8.805	-0.034	-0.63	8.800	-0.037	-0.70
YCK9ZE	X	8.250	-0.589	-10.97	8.100	-0.737	-13.81
YCPRNG		8.825	-0.014	-0.26	8.790	-0.047	-0.88
YX4CKH		8.825	-0.014	-0.26	8.825	-0.012	-0.23
Z3UAMD		8.935	0.096	1.79	8.930	0.093	1.74
ZCKUQQ	*	8.980	0.141	2.63	8.995	0.158	2.96
ZP686L		8.830	-0.009	-0.16	8.835	-0.002	-0.04
ZQL4WL		8.850	0.011	0.21	8.850	0.013	0.24
ZTN38D	*	8.710	-0.129	-2.40	8.690	-0.147	-2.76

Grand Means		Summary Statistics	
	8.8388 percent		8.8372 percent
Std Dev Btw Labs			0.0534 percent
	0.0537 percent		
Statistics based on 80 of 87 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

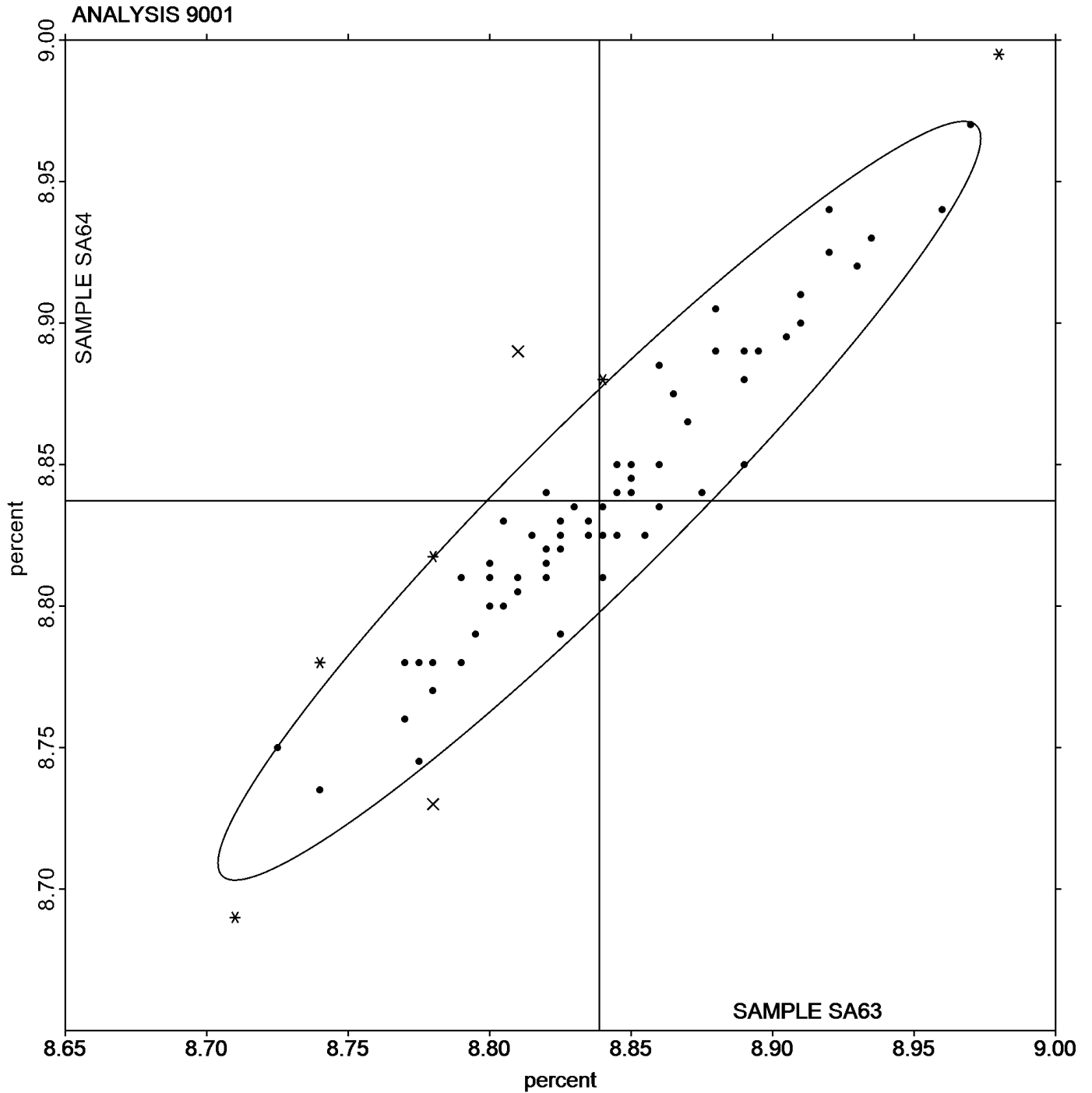
Comments on Assigned Data Flags for Test #9001

- A2U2UL (X) - Inconsistent in testing between samples.
- 2RR9ME (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of sample SA64.
- PAVJPN (X) - Inconsistent in testing between samples.
- B4RYK6 (X) - Data for sample SA63 are low. Inconsistent within the determinations of sample SA63.
- 9QVZJ3 (X) - Inconsistent in testing between samples, data for sample SA64 are low.
- 6F7348 (X) - Inconsistent in testing between samples, data for sample SA64 are high.
- YCK9ZE (X) - Data for both samples are low. Inconsistent within the determinations of both samples.



Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA63 <i>Pink Moscato</i>			Sample SA64 <i>Pink Moscato</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method used	8.865	0.000	0.026	8.875	0.000	0.038	1/1
Ebulliometer Method	8.725	0.000	-0.114	8.750	0.000	-0.087	1/3
Gas Chromatography Method	8.920	0.000	0.081	8.933	0.011	0.095	2/4
Near Infrared Method	8.832	0.047	-0.007	8.828	0.045	-0.009	55/57
Dist. / Density Method	8.879	0.070	0.040	8.876	0.076	0.038	8/9
FTIR	8.843	0.056	0.004	8.849	0.053	0.011	10/10
Other	8.817	0.024	-0.022	8.813	0.029	-0.024	3/3





ASEV-CTS Wine Industry Interlaboratory Testing Program
Analysis 9005
Methanol

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Spring 2026

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
44EYKN		85.15	2.09	0.20	85.10	-1.15	-0.12
4V4XYM		86.00	2.94	0.28	85.00	-1.25	-0.13
6BXMVJ		76.00	-7.06	-0.67	71.00	-15.25	-1.54
73XMVH		83.50	0.44	0.04	83.00	-3.25	-0.33
9XF2YF		76.95	-6.11	-0.58	75.70	-10.55	-1.06
D476UE		98.25	15.19	1.44	99.70	13.45	1.35
FQ9374		94.92	11.86	1.12	98.20	11.94	1.20
GFRHL8		62.50	-20.56	-1.94	96.00	9.75	0.98
LWEPKZ	X	21.00	-62.06	-5.86	23.00	-63.25	-6.37
Z3UAMD		84.27	1.21	0.11	82.56	-3.69	-0.37

Grand Means		Summary Statistics	
	83.059 mg/L		86.250 mg/L
Std Dev Btwn Labs	10.582 mg/L		9.935 mg/L
Statistics based on 9 of 10 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

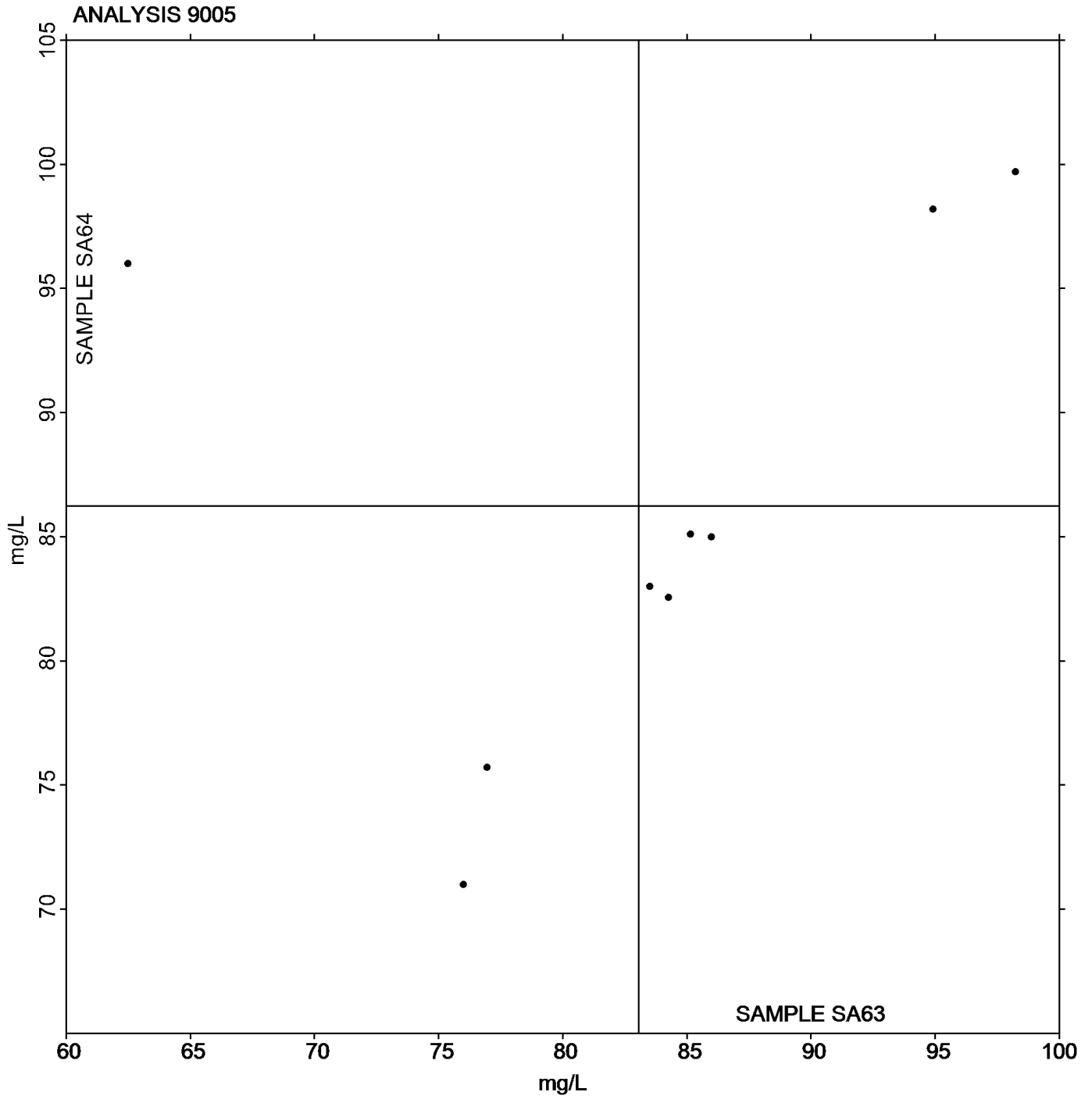
Comments on Assigned Data Flags for Test #9005

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

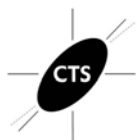


Analysis 9005

Methanol



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

Report #082
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Analysis 9020 Total Sulfur Dioxide

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME		131.0	-14.6	-1.32	131.5	-14.4	-1.35
2ZKJXA		141.6	-4.0	-0.36	146.4	0.5	0.05
3GAQTM		139.0	-6.6	-0.60	139.5	-6.4	-0.60
3GPADK	*	124.5	-21.1	-1.91	121.5	-24.4	-2.29
3JR9NC		129.5	-16.1	-1.46	132.0	-13.9	-1.30
44EYKN		141.0	-4.6	-0.42	144.5	-1.4	-0.13
4FCXA9		143.5	-2.1	-0.19	143.0	-2.9	-0.27
4JVRBF		159.8	14.2	1.28	157.4	11.5	1.08
4V4XYM		143.0	-2.6	-0.23	143.5	-2.4	-0.22
6BXMVJ		128.5	-17.1	-1.55	125.5	-20.4	-1.91
6EBMRB		151.0	5.4	0.49	148.5	2.6	0.24
6F7348		149.0	3.4	0.31	149.0	3.1	0.29
6KXAMG		170.0	24.4	2.21	170.3	24.4	2.28
73XMVH		141.0	-4.6	-0.42	142.0	-3.9	-0.37
7C3UBG	*	176.0	30.4	2.75	172.0	26.1	2.45
7CXAME		152.5	6.9	0.63	155.5	9.6	0.90
7VVBYK		135.5	-10.1	-0.91	137.5	-8.4	-0.79
7YXEPL		162.5	16.9	1.53	161.5	15.6	1.46
87BMR9		130.0	-15.6	-1.41	130.0	-15.9	-1.49
89HYAB		139.5	-6.1	-0.55	145.5	-0.4	-0.04
8ENVTB		138.5	-7.1	-0.64	138.5	-7.4	-0.69
8H62R7		141.5	-4.1	-0.37	146.0	0.1	0.01
8ZKAQK		149.0	3.4	0.31	145.5	-0.4	-0.04
9A9KF7	X	101.5	-44.1	-3.99	104.5	-41.4	-3.88
9DRFGD	X	148.0	2.4	0.22	166.0	20.1	1.88
9GQT44		158.0	12.4	1.12	159.0	13.1	1.23
9QVZJ3		134.0	-11.6	-1.05	136.0	-9.9	-0.93
9UW7Y9		139.0	-6.6	-0.60	134.0	-11.9	-1.12
9XF2YF		150.0	4.4	0.40	150.0	4.1	0.38
A8BUKC		135.5	-10.1	-0.91	135.0	-10.9	-1.02
APF2ZD	*	153.1	7.5	0.68	145.8	-0.1	-0.01
B4Q2AA		139.0	-6.6	-0.60	137.0	-8.9	-0.83
B4RYK6		161.5	15.9	1.44	163.5	17.6	1.65
B4VJ89		147.8	2.2	0.20	148.6	2.7	0.25
B8UZHG		142.0	-3.6	-0.33	141.0	-4.9	-0.46

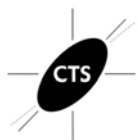


ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #082
Spring 2026

Analysis 9020 Total Sulfur Dioxide

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
BKZQMA		130.0	-15.6	-1.41	130.0	-15.9	-1.49
CMNPDD		153.0	7.4	0.67	149.5	3.6	0.34
CRW8C7		147.0	1.4	0.13	153.0	7.1	0.67
CVVJ97		132.2	-13.4	-1.21	134.6	-11.3	-1.06
D476UE		154.0	8.4	0.76	149.6	3.7	0.35
F7MB78		170.0	24.4	2.21	170.9	25.0	2.34
FCNM34		134.1	-11.5	-1.05	134.2	-11.7	-1.10
FMRHL9		155.5	9.9	0.90	155.5	9.6	0.90
FQ9374		138.5	-7.1	-0.64	139.5	-6.4	-0.60
GBC893		142.0	-3.6	-0.33	142.5	-3.4	-0.32
GFRHL8		136.0	-9.6	-0.87	138.0	-7.9	-0.74
GLTRTY		129.0	-16.6	-1.50	129.0	-16.9	-1.58
GRYNCY		135.0	-10.6	-0.96	136.5	-9.4	-0.88
HHNLQY		141.0	-4.6	-0.42	140.5	-5.4	-0.51
HMJDYV		154.5	8.9	0.81	159.5	13.6	1.28
JD9BDV		126.7	-18.9	-1.71	126.8	-19.1	-1.79
JGC7UC		154.5	8.9	0.81	149.0	3.1	0.29
JNUEJ9		143.2	-2.4	-0.22	146.1	0.2	0.02
JVT2B9		143.5	-2.1	-0.19	146.5	0.6	0.06
KH3R3U		158.5	12.9	1.17	154.0	8.1	0.76
LQ9WQ4		140.5	-5.1	-0.46	142.8	-3.1	-0.30
LWEPKZ		135.0	-10.6	-0.96	134.0	-11.9	-1.12
MNEPLX		163.0	17.4	1.58	159.5	13.6	1.28
NKYE9U		161.5	15.9	1.44	159.5	13.6	1.28
NPQLQ3		140.0	-5.6	-0.51	137.0	-8.9	-0.83
P2XRGV		150.0	4.4	0.40	148.5	2.6	0.24
PAVJPN		153.0	7.4	0.67	149.5	3.6	0.34
Q2B3AK		143.0	-2.6	-0.23	145.0	-0.9	-0.08
Q36TFY		154.5	8.9	0.81	158.0	12.1	1.13
QPJG4P		140.5	-5.1	-0.46	144.0	-1.9	-0.18
QQYDWN		141.5	-4.1	-0.37	141.0	-4.9	-0.46
QZZZNL		152.0	6.4	0.58	154.0	8.1	0.76
T7XA6X		148.0	2.4	0.22	151.0	5.1	0.48
T96R4T		140.0	-5.6	-0.51	144.0	-1.9	-0.18
TPDLV3		141.0	-4.6	-0.42	141.0	-4.9	-0.46



**Analysis 9020
Total Sulfur Dioxide**

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
UBRTK2		153.5	7.9	0.72	154.5	8.6	0.81
V6JLKN		165.0	19.4	1.76	162.5	16.6	1.56
VRTTAF		156.0	10.4	0.94	158.0	12.1	1.13
W8276J		156.5	10.9	0.99	156.0	10.1	0.95
WXR2RT		147.0	1.4	0.13	148.0	2.1	0.20
X32EAR	X	149.5	3.9	0.35	139.5	-6.4	-0.60
XD26TD		156.0	10.4	0.94	155.5	9.6	0.90
XYGMXN		150.5	4.9	0.44	152.5	6.6	0.62
YCK9ZE		163.7	18.1	1.64	160.8	14.9	1.40
YX4CKH		137.5	-8.1	-0.73	138.0	-7.9	-0.74
Z3UAMD	*	141.0	-4.6	-0.42	150.0	4.1	0.38
ZCKUQQ		133.0	-12.6	-1.14	137.0	-8.9	-0.83
ZP686L		134.5	-11.1	-1.00	135.0	-10.9	-1.02
ZQL4WL		144.0	-1.6	-0.14	143.5	-2.4	-0.22
ZTN38D		141.5	-4.1	-0.37	142.0	-3.9	-0.37

Grand Means		Summary Statistics	
	145.59 mg/L		145.90 mg/L
Std Dev Btwn Labs			10.67 mg/L
	11.04 mg/L		
Statistics based on 82 of 85 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

Comments on Assigned Data Flags for Test #9020

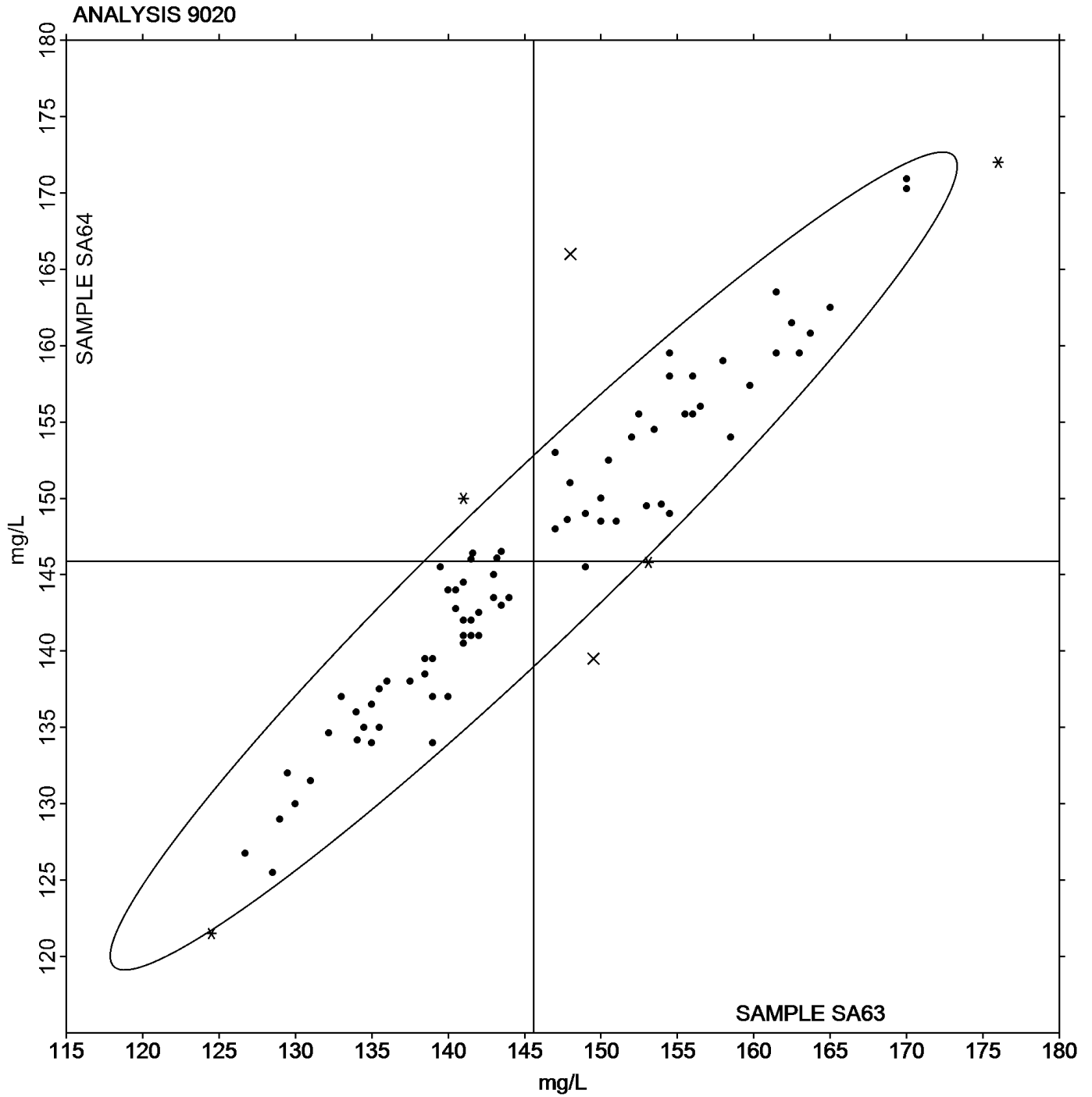
- X32EAR (X) - Inconsistent in testing between samples.
- 9DRFGD (X) - Inconsistent in testing between samples.
- 9A9KF7 (X) - Data for both samples are low. Possible Systematic Error.

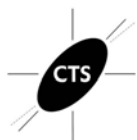


**Analysis 9020
Total Sulfur Dioxide**

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA63 <i>Pink Moscato</i>			Sample SA64 <i>Pink Moscato</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method used	132.000	4.243	-13.6	131.500	3.536	-14.4	2/2
Ripper Method	141.073	7.130	-4.5	141.902	7.059	-4.0	31/32
Aeration Oxidation (AO) Method	137.957	6.335	-7.6	138.369	5.746	-7.5	7/8
Segmented Flow Analyzer	139.833	11.886	-5.8	139.583	13.526	-6.3	6/6
Enzymatic Method	151.155	8.757	5.6	151.264	8.030	5.4	19/19
Colormetric Analyzer	161.515	10.406	15.9	159.755	10.690	13.9	10/10
FTIR	146.500	10.583	0.9	149.000	12.619	3.1	3/3
Flow Injection Analysis	142.500	3.416	-3.1	144.250	3.524	-1.6	4/5





ASEV-CTS Wine Industry Interlaboratory Testing Program

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Analysis 9021 Free Sulfur Dioxide

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME	X	32.50	8.72	3.48	33.50	9.58	3.80
2ZKJXA		26.25	2.47	0.99	25.60	1.68	0.67
3GAQTM		21.00	-2.78	-1.11	22.00	-1.92	-0.76
3GPADK		25.50	1.72	0.69	27.00	3.08	1.22
3JR9NC		22.50	-1.28	-0.51	23.50	-0.42	-0.17
44EYKN		22.50	-1.28	-0.51	23.50	-0.42	-0.17
4FCXA9		22.00	-1.78	-0.71	22.00	-1.92	-0.76
4JVRBF		23.63	-0.15	-0.06	22.13	-1.80	-0.71
4V4XYM		23.50	-0.28	-0.11	23.00	-0.92	-0.37
6BXMVJ		25.00	1.22	0.49	23.00	-0.92	-0.37
6EBMRB	*	31.00	7.22	2.88	29.00	5.08	2.02
6F7348		22.00	-1.78	-0.71	24.00	0.08	0.03
73XMVH		23.00	-0.78	-0.31	23.00	-0.92	-0.37
7C3UBG		25.00	1.22	0.49	23.00	-0.92	-0.37
7CXAME		24.50	0.72	0.29	27.50	3.58	1.42
7VVBYK	X	13.00	-10.78	-4.30	16.50	-7.42	-2.94
7YXEPL		25.00	1.22	0.49	24.50	0.58	0.23
87BMR9		19.50	-4.28	-1.71	19.50	-4.42	-1.75
89HYAB		24.50	0.72	0.29	24.00	0.08	0.03
8ENVTB		24.00	0.22	0.09	24.00	0.08	0.03
8H62R7		18.00	-5.78	-2.31	19.50	-4.42	-1.75
8ZKAQK		26.50	2.72	1.09	27.00	3.08	1.22
9A9KF7		23.00	-0.78	-0.31	23.00	-0.92	-0.37
9DRFGD		23.00	-0.78	-0.31	25.50	1.58	0.63
9GQT44		25.00	1.22	0.49	24.00	0.08	0.03
9QVZJ3	X	38.00	14.22	5.68	36.00	12.08	4.79
9UW7Y9		25.00	1.22	0.49	25.00	1.08	0.43
9XF2YF		26.00	2.22	0.89	26.00	2.08	0.83
A2U2UL		21.00	-2.78	-1.11	22.00	-1.92	-0.76
A8BUKC		26.00	2.22	0.89	26.50	2.58	1.02
APF2ZD		26.40	2.62	1.05	28.00	4.08	1.62
B4Q2AA		28.00	4.22	1.69	28.00	4.08	1.62
B4RYK6		24.50	0.72	0.29	26.00	2.08	0.83
B4VJ89		20.95	-2.83	-1.13	21.05	-2.87	-1.14
B8UZHG	*	27.50	3.72	1.49	30.00	6.08	2.41



ASEV-CTS Wine Industry Interlaboratory Testing Program

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Analysis 9021

Spring 2026

Free Sulfur Dioxide

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
BKZQMA	X	14.00	-9.78	-3.90	16.00	-7.92	-3.14
BWDDDB2		23.92	0.15	0.06	24.60	0.68	0.27
CMNPDD		26.00	2.22	0.89	23.50	-0.42	-0.17
CRW8C7		25.00	1.22	0.49	24.00	0.08	0.03
CVVJ97	X	27.25	3.47	1.39	19.40	-4.52	-1.79
D476UE		28.00	4.22	1.69	26.50	2.58	1.02
F7MB78		24.20	0.42	0.17	25.25	1.33	0.53
FCNM34		21.70	-2.08	-0.83	21.70	-2.22	-0.88
FMRHL9		21.00	-2.78	-1.11	20.00	-3.92	-1.56
FQ9374		19.00	-4.78	-1.91	21.00	-2.92	-1.16
GBC893		23.50	-0.28	-0.11	24.50	0.58	0.23
GFRHL8		28.00	4.22	1.69	28.00	4.08	1.62
GLTRTY		20.00	-3.78	-1.51	21.00	-2.92	-1.16
GRYNCY		24.00	0.22	0.09	24.00	0.08	0.03
HHNLQY		20.50	-3.28	-1.31	21.00	-2.92	-1.16
HMJDYV	X	33.00	9.22	3.68	34.00	10.08	4.00
JD9BDV	*	17.05	-6.73	-2.68	17.80	-6.12	-2.43
JGC7UC		26.00	2.22	0.89	24.50	0.58	0.23
JVT2B9		21.00	-2.78	-1.11	23.50	-0.42	-0.17
KH3R3U		20.00	-3.78	-1.51	19.50	-4.42	-1.75
LQ9WQ4		24.50	0.72	0.29	23.00	-0.92	-0.37
LWEPKZ		24.50	0.72	0.29	25.50	1.58	0.63
MNEPLX		22.00	-1.78	-0.71	22.00	-1.92	-0.76
NKYE9U		21.55	-2.23	-0.89	21.05	-2.87	-1.14
NPQLQ3		26.00	2.22	0.89	25.00	1.08	0.43
P2XRGV		20.00	-3.78	-1.51	20.00	-3.92	-1.56
PAVJPN		25.00	1.22	0.49	24.00	0.08	0.03
Q2B3AK		23.00	-0.78	-0.31	22.00	-1.92	-0.76
Q36TFY		21.00	-2.78	-1.11	21.00	-2.92	-1.16
QPJG4P		23.50	-0.28	-0.11	23.50	-0.42	-0.17
QQYDWN		26.00	2.22	0.89	26.50	2.58	1.02
QZZZNL		23.50	-0.28	-0.11	26.00	2.08	0.83
T7XA6X		23.00	-0.78	-0.31	25.00	1.08	0.43
T96R4T	X	23.00	-0.78	-0.31	18.50	-5.42	-2.15
TPDLV3		25.00	1.22	0.49	25.00	1.08	0.43



**Analysis 9021
Free Sulfur Dioxide**

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
UBRTK2		24.50	0.72	0.29	26.00	2.08	0.83
V6JLKN		23.50	-0.28	-0.11	23.50	-0.42	-0.17
VRTTAF		23.40	-0.38	-0.15	23.60	-0.32	-0.13
W8276J		23.90	0.12	0.05	22.20	-1.72	-0.68
WXR2RT		24.00	0.22	0.09	24.00	0.08	0.03
X32EAR		23.50	-0.28	-0.11	21.00	-2.92	-1.16
XD26TD		24.50	0.72	0.29	25.00	1.08	0.43
XYGMXN	X	31.55	7.77	3.10	32.45	8.53	3.39
YCK9ZE		24.02	0.24	0.10	21.79	-2.13	-0.85
YCPRNG		26.00	2.22	0.89	25.50	1.58	0.63
YX4CKH		21.00	-2.78	-1.11	21.00	-2.92	-1.16
Z3UAMD		27.00	3.22	1.29	29.00	5.08	2.02
ZCKUQQ		23.00	-0.78	-0.31	23.50	-0.42	-0.17
ZP686L		25.50	1.72	0.69	25.00	1.08	0.43
ZQL4WL		28.50	4.72	1.89	29.00	5.08	2.02
ZTN38D		23.50	-0.28	-0.11	24.00	0.08	0.03

Grand Means		Summary Statistics	
	23.775 mg/L		23.920 mg/L
Std Dev Btwn Labs			
	2.505 mg/L		2.520 mg/L
Statistics based on 78 of 86 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

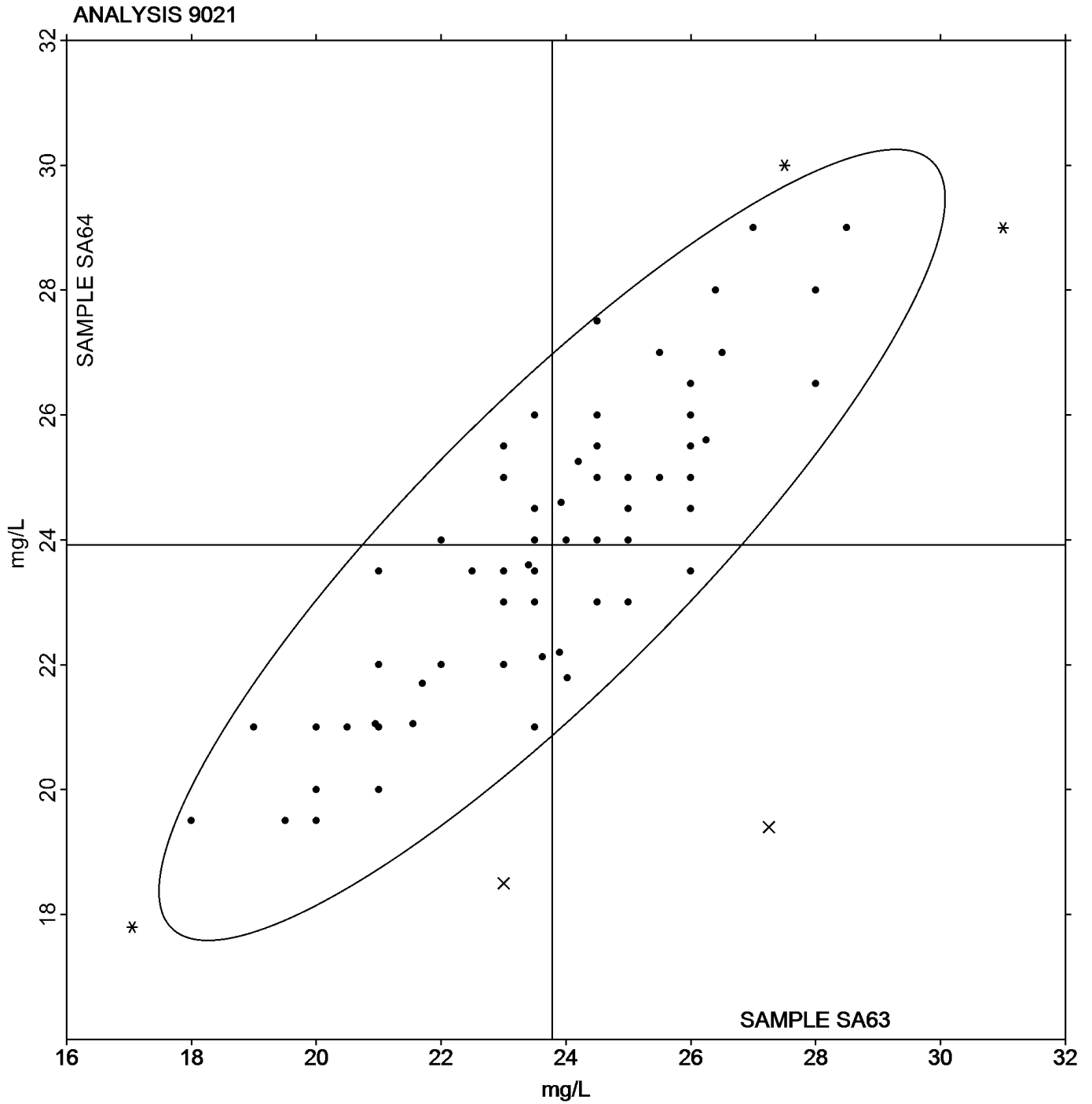
Comments on Assigned Data Flags for Test #9021

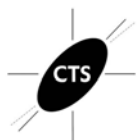
- 7VVBYK (X) - Data for both samples are low. Possible Systematic Error.
- T96R4T (X) - Inconsistent in testing between samples.
- XYGMXN (X) - Data for both samples are high. Possible Systematic Error.
- BKZQMA (X) - Data for both samples are low. Possible Systematic Error.
- 2RR9ME (X) - Data for both samples are high. Possible Systematic Error.
- CVVJ97 (X) - Inconsistent in testing between samples.
- HMJDYV (X) - Data for both samples are high. Possible Systematic Error.
- 9QVZJ3 (X) - Data for both samples are high. Possible Systematic Error.



Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA63 <i>Pink Moscato</i>			Sample SA64 <i>Pink Moscato</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method used	22.250	3.182	-1.53	23.250	3.182	-0.67	2/2
Ripper Method	23.397	2.670	-0.38	23.628	2.485	-0.29	25/26
Aeration Oxidation (AO) Method	22.803	2.774	-0.97	23.659	2.800	-0.26	16/19
Segmented Flow Analyzer	25.750	1.173	1.97	25.333	1.966	1.41	6/6
Enzymatic Method	24.360	2.512	0.58	24.360	3.159	0.44	13/15
Colormetric Analyzer	24.952	1.695	1.18	24.384	1.996	0.46	10/10
Flow Injection Analysis	22.800	1.151	-0.98	22.500	1.225	-1.42	5/5
FTIR	25.500	0.000	1.72	25.000	0.000	1.08	1/3

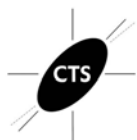




Analysis 9022

L-Malic Acid

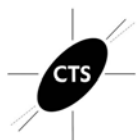
WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME	*	1.811	-0.041	-0.36	1.702	-0.150	-1.33
3GAQTM		1.994	0.142	1.21	2.006	0.153	1.36
3GPADK		1.907	0.055	0.47	1.871	0.019	0.17
3JR9NC		1.850	-0.002	-0.02	1.835	-0.017	-0.15
44EYKN		2.003	0.150	1.29	1.998	0.146	1.29
4FCXA9		1.765	-0.087	-0.75	1.785	-0.067	-0.60
4JVRFB		1.875	0.023	0.19	1.895	0.043	0.38
4V4XYM		1.825	-0.027	-0.24	1.825	-0.027	-0.24
6BXMVJ		1.985	0.133	1.14	1.935	0.083	0.73
6EBMRB		1.814	-0.039	-0.33	1.805	-0.048	-0.42
6KXAMG		1.792	-0.061	-0.52	1.784	-0.068	-0.61
73XMVH		1.880	0.028	0.24	1.920	0.068	0.60
7C3UBG		1.690	-0.162	-1.39	1.655	-0.197	-1.75
7CXAME		1.785	-0.067	-0.58	1.765	-0.087	-0.77
7VVBYK	X	1.700	-0.152	-1.31	1.555	-0.297	-2.64
7YXEPL		1.760	-0.092	-0.79	1.815	-0.037	-0.33
87BMR9		1.800	-0.052	-0.45	1.825	-0.027	-0.24
89HYAB		1.875	0.023	0.19	1.835	-0.017	-0.15
8ENVTB		1.930	0.078	0.66	1.940	0.088	0.78
8H62R7		1.740	-0.112	-0.96	1.770	-0.082	-0.73
8ZKAQK		1.780	-0.072	-0.62	1.780	-0.072	-0.64
9A9KF7		1.710	-0.142	-1.22	1.735	-0.117	-1.04
9DRFGD		1.670	-0.182	-1.57	1.660	-0.192	-1.70
9GQT44		1.960	0.108	0.92	1.990	0.138	1.22
A2U2UL		1.575	-0.277	-2.38	1.625	-0.227	-2.02
A8BUKC		1.855	0.003	0.02	1.820	-0.032	-0.29
APF2ZD		1.865	0.013	0.11	1.850	-0.002	-0.02
B4Q2AA		1.880	0.028	0.24	1.840	-0.012	-0.11
B4RYK6		1.810	-0.042	-0.36	1.820	-0.032	-0.29
B4VJ89		1.643	-0.209	-1.80	1.631	-0.221	-1.96
B8UZHG		1.875	0.023	0.19	1.950	0.098	0.87
BKZQMA		1.715	-0.137	-1.18	1.690	-0.162	-1.44
BWDDDB2		1.855	0.003	0.02	1.840	-0.012	-0.11
CMNPDD		1.770	-0.082	-0.71	1.810	-0.042	-0.37
CRW8C7	X	1.475	-0.377	-3.24	1.460	-0.392	-3.48



ASEV-CTS Wine Industry Interlaboratory Testing Program
Analysis 9022
L-Malic Acid

Report #082
Spring 2026

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
CVVJ97		1.900	0.048	0.41	1.820	-0.032	-0.29
D476UE		1.894	0.041	0.35	1.912	0.060	0.53
F7MB78		2.084	0.231	1.98	2.057	0.204	1.81
FCNM34		1.825	-0.027	-0.24	1.855	0.003	0.02
FMRHL9		1.893	0.041	0.35	1.898	0.045	0.40
FQ9374	*	1.895	0.043	0.36	1.780	-0.072	-0.64
GBC893		1.945	0.093	0.79	1.945	0.093	0.82
GFRHL8	X	1.270	-0.582	-5.00	1.260	-0.592	-5.25
GLTRTY		1.785	-0.067	-0.58	1.815	-0.037	-0.33
GMP96W		1.986	0.134	1.15	1.997	0.145	1.28
GRYNCY		1.785	-0.067	-0.58	1.805	-0.047	-0.42
HHNLQY		1.790	-0.062	-0.54	1.840	-0.012	-0.11
JD9BDV	*	1.755	-0.097	-0.84	1.665	-0.187	-1.66
JGC7UC		1.910	0.058	0.49	1.905	0.053	0.47
JVT2B9		1.846	-0.006	-0.06	1.801	-0.051	-0.45
KH3R3U		1.950	0.098	0.84	1.930	0.078	0.69
LQ9WQ4		1.730	-0.122	-1.05	1.775	-0.077	-0.69
LWEPKZ	X	1.350	-0.502	-4.31	1.335	-0.517	-4.59
MNEPLX		1.630	-0.222	-1.91	1.660	-0.192	-1.70
NKYE9U		1.835	-0.017	-0.15	1.820	-0.032	-0.29
NPQLQ3		1.917	0.064	0.55	1.918	0.065	0.58
P2XRGV		2.065	0.213	1.82	2.075	0.223	1.97
PAVJPN		1.925	0.073	0.62	1.925	0.073	0.64
Q2B3AK		1.986	0.134	1.15	1.981	0.129	1.14
Q36TFY		1.832	-0.021	-0.18	1.854	0.002	0.02
QPJG4P		2.025	0.173	1.48	2.005	0.153	1.35
QQYDWN		1.910	0.058	0.49	1.815	-0.037	-0.33
QZZZNL		2.125	0.273	2.34	2.115	0.263	2.33
T7XA6X		1.973	0.120	1.03	1.970	0.117	1.04
T96R4T		2.040	0.188	1.61	2.030	0.178	1.58
TPDLV3		1.900	0.048	0.41	1.900	0.048	0.42
UBRTK2	X	2.555	0.703	6.03	2.590	0.738	6.54
V6JLKN		1.814	-0.038	-0.33	1.791	-0.061	-0.54
VRTTAF		1.930	0.078	0.66	1.960	0.108	0.95
W8276J		1.970	0.117	1.01	2.001	0.149	1.32



ASEV-CTS Wine Industry Interlaboratory Testing Program
Analysis 9022
L-Malic Acid

Report #082
Spring 2026

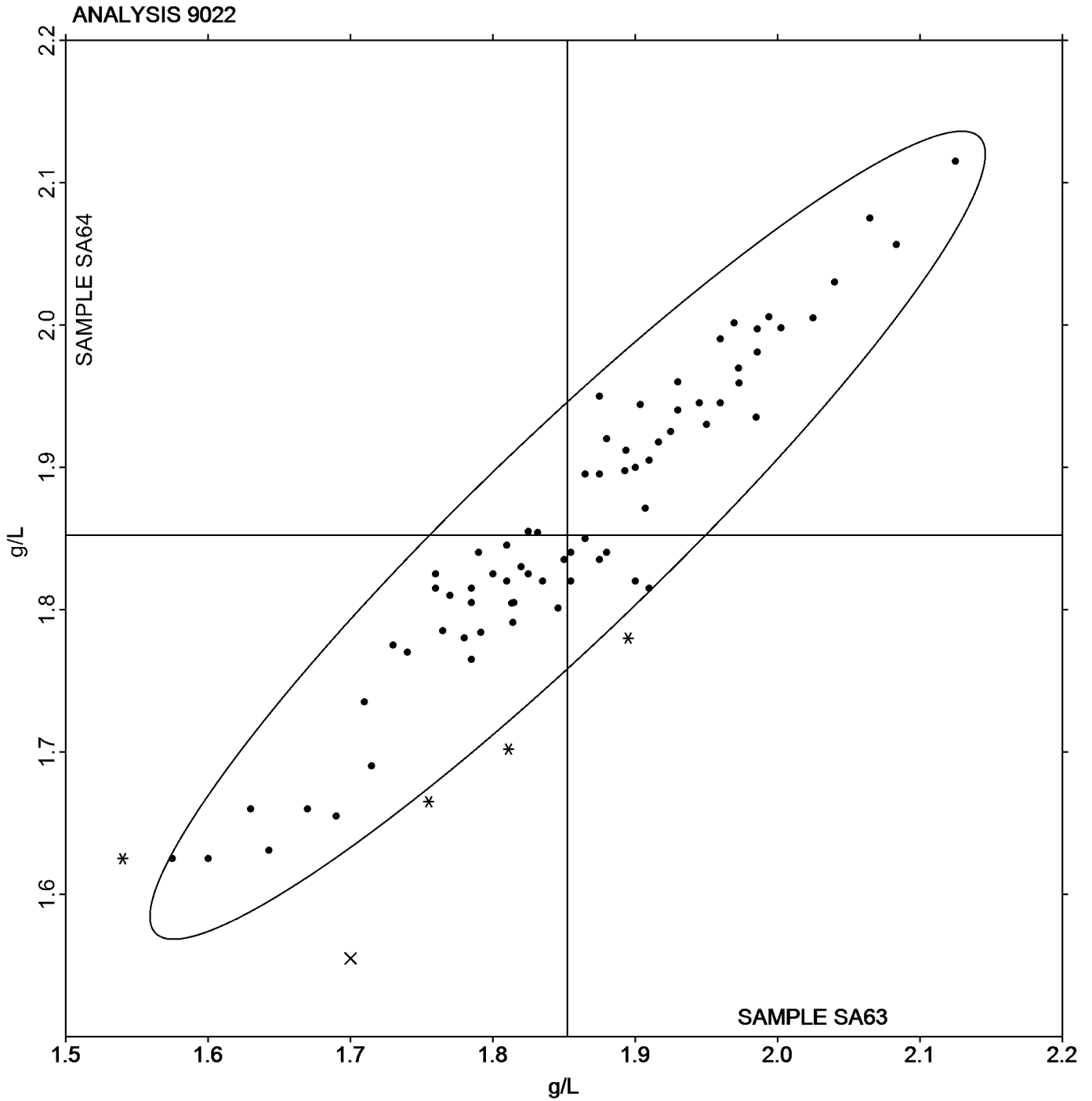
WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
X32EAR		1.973	0.121	1.03	1.959	0.107	0.95
XD26TD		1.760	-0.092	-0.79	1.825	-0.027	-0.24
XYGMXN	X	1.165	-0.687	-5.90	1.180	-0.672	-5.96
YCK9ZE	*	1.540	-0.312	-2.68	1.625	-0.227	-2.02
YCPRNG		1.904	0.051	0.44	1.944	0.092	0.81
YX4CKH		1.815	-0.037	-0.32	1.805	-0.047	-0.42
Z3UAMD		1.865	0.013	0.11	1.895	0.043	0.38
ZCKUQQ		1.600	-0.252	-2.17	1.625	-0.227	-2.02
ZP686L		1.810	-0.042	-0.36	1.845	-0.007	-0.06
ZQL4WL		1.960	0.108	0.92	1.945	0.093	0.82
ZTN38D		1.820	-0.032	-0.28	1.830	-0.022	-0.20

Grand Means		Summary Statistics	
	1.8525 g/L		1.8523 g/L
Std Dev Btwn Labs	0.1166 g/L		0.1128 g/L
Statistics based on 75 of 81 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

Comments on Assigned Data Flags for Test #9022

- UBRTK2 (X) - Data for both samples are high. Possible Systematic Error.
- 7VBYK (X) - Inconsistent in testing between samples. Inconsistent within the determinations of both samples.
- LWEPKZ (X) - Data for both samples are low. Possible Systematic Error.
- GFRHL8 (X) - Data for both samples are low. Possible Systematic Error.
- XYGMXN (X) - Data for both samples are low. Possible Systematic Error.
- CRW8C7 (X) - Data for both samples are low. Possible Systematic Error.





WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME	X	5.1060	4.8133	52.84	5.2800	4.9660	32.39
4V4XYM		0.3050	0.0123	0.14	0.3050	-0.0090	-0.06
73XMVH		0.2750	-0.0177	-0.19	0.2800	-0.0340	-0.22
89HYAB		0.2055	-0.0872	-0.96	0.2060	-0.1080	-0.70
APF2ZD		0.1400	-0.1527	-1.68	0.1300	-0.1840	-1.20
CRW8C7		0.4600	0.1673	1.84	0.4750	0.1610	1.05
D476UE		0.3300	0.0373	0.41	0.3120	-0.0020	-0.01
F7MB78		0.2780	-0.0147	-0.16	0.2903	-0.0237	-0.15
FQ9374		0.2920	-0.0007	-0.01	0.2930	-0.0210	-0.14
GFRHL8		0.2900	-0.0027	-0.03	0.3000	-0.0140	-0.09
HHNLQY		0.2920	-0.0007	-0.01	0.2840	-0.0300	-0.20
JD9BDV	X	1.4800	1.1873	13.03	1.5350	1.2210	7.96
JGC7UC		0.2930	0.0003	0.00	0.2850	-0.0290	-0.19
PAVJPN	*	0.5000	0.2073	2.28	0.8000	0.4860	3.17
QQYDWN		0.1915	-0.1012	-1.11	0.1935	-0.1205	-0.79
QZZZNL		0.2485	-0.0442	-0.48	0.2705	-0.0435	-0.28
Z3UAMD		0.2895	-0.0032	-0.03	0.2860	-0.0280	-0.18

Grand Means		Summary Statistics	
	0.29267 g/L		0.31402 g/L
Std Dev Btwn Labs			0.15330 g/L
	0.09109 g/L		
Statistics based on 15 of 17 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

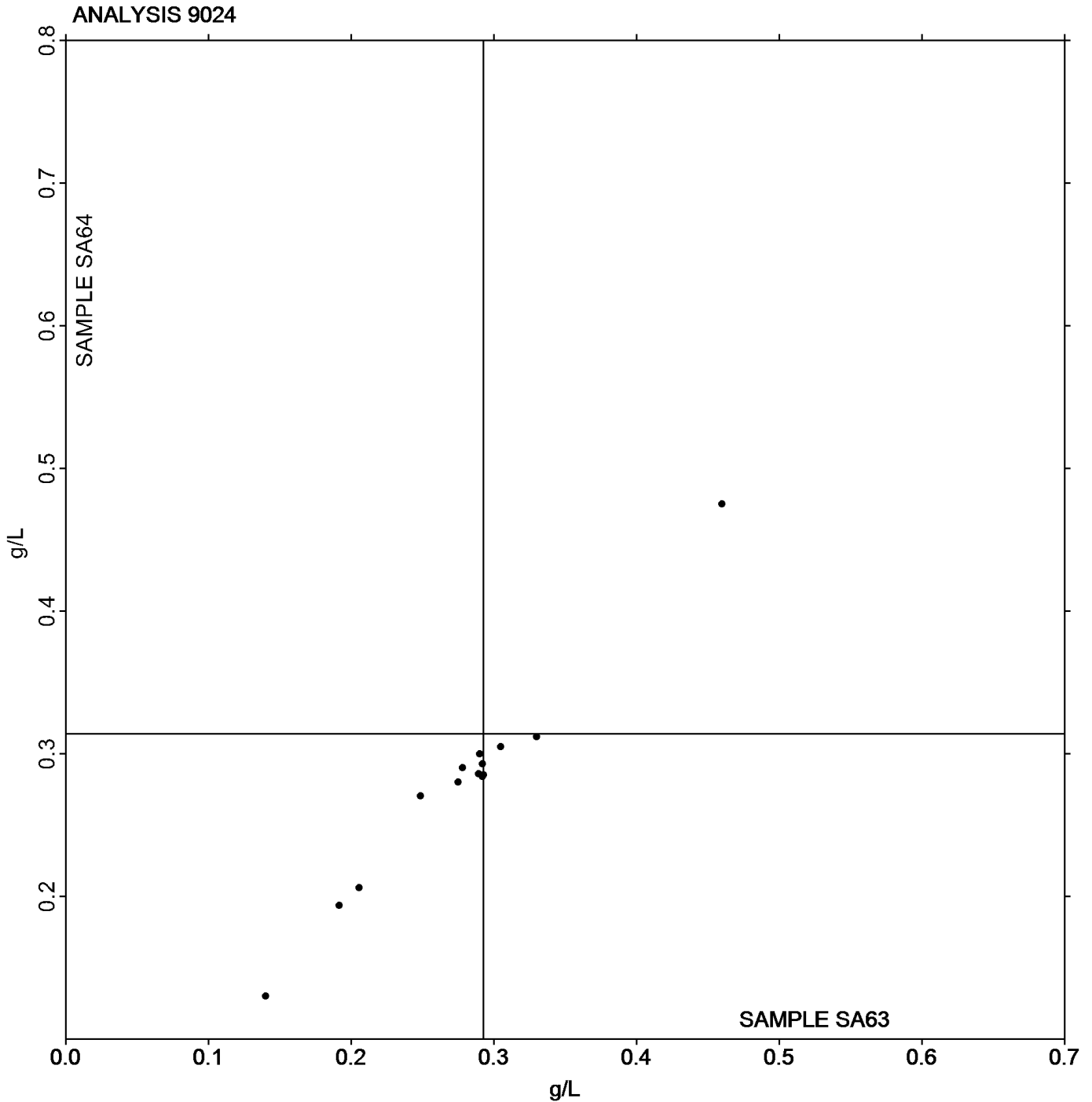
Comments on Assigned Data Flags for Test #9024

2RR9ME (X) - Data for both samples are high.

JD9BDV (X) - Data for both samples are high.



Analysis 9024
Citric Acid



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

Report #082

Analysis 9027

Spring 2026

pH

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME		3.395	0.024	0.81	3.390	0.019	0.64
2ZKJXA	X	3.530	0.159	5.30	3.490	0.119	3.94
3GAQTM		3.370	-0.001	-0.02	3.370	-0.001	-0.02
3GPADK		3.410	0.039	1.31	3.410	0.039	1.30
3JR9NC		3.380	0.009	0.31	3.380	0.009	0.31
44EYKN		3.390	0.019	0.65	3.385	0.014	0.47
4FCXA9		3.355	-0.016	-0.52	3.360	-0.011	-0.35
4JVRBF		3.355	-0.016	-0.52	3.350	-0.021	-0.68
4V4XYM		3.375	0.004	0.15	3.380	0.009	0.31
6BXMVJ		3.380	0.009	0.31	3.380	0.009	0.31
6EBMRB		3.370	-0.001	-0.02	3.370	-0.001	-0.02
6F7348		3.420	0.049	1.64	3.420	0.049	1.63
6KXAMG		3.370	-0.001	-0.02	3.370	-0.001	-0.02
73XMVH		3.380	0.009	0.31	3.380	0.009	0.31
7C3UBG		3.395	0.024	0.81	3.390	0.019	0.64
7CXAME		3.400	0.029	0.98	3.405	0.034	1.13
7VVBYK	*	3.370	-0.001	-0.02	3.355	-0.016	-0.52
7YXEPL		3.370	-0.001	-0.02	3.370	-0.001	-0.02
87BMR9		3.380	0.009	0.31	3.390	0.019	0.64
89HYAB		3.395	0.024	0.81	3.400	0.029	0.97
8ENVTB		3.365	-0.006	-0.19	3.365	-0.006	-0.19
8H62R7	X	3.465	0.094	3.14	3.455	0.084	2.78
8ZKAQK		3.375	0.004	0.15	3.375	0.004	0.14
9A9KF7		3.340	-0.031	-1.02	3.340	-0.031	-1.01
9DRFGD		3.380	0.009	0.31	3.370	-0.001	-0.02
9GQT44		3.380	0.009	0.31	3.380	0.009	0.31
9QVZJ3		3.350	-0.021	-0.68	3.360	-0.011	-0.35
9UW7Y9		3.400	0.029	0.98	3.410	0.039	1.30
A2U2UL		3.385	0.014	0.48	3.390	0.019	0.64
A8BUKC		3.380	0.009	0.31	3.380	0.009	0.31
APF2ZD	X	3.380	0.009	0.31	3.400	0.029	0.97
B4Q2AA		3.410	0.039	1.31	3.410	0.039	1.30
B4RYK6		3.375	0.004	0.15	3.375	0.004	0.14
B4VJ89	X	3.400	0.029	0.96	3.378	0.007	0.23
B8UZHG	*	3.460	0.089	2.97	3.460	0.089	2.95



ASEV-CTS Wine Industry Interlaboratory Testing Program

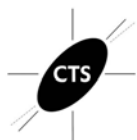
Report #082

Analysis 9027

Spring 2026

pH

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
BKZQMA		3.395	0.024	0.81	3.400	0.029	0.97
BWDDDB2		3.370	-0.001	-0.02	3.365	-0.006	-0.19
CMNPDD		3.350	-0.021	-0.68	3.345	-0.026	-0.85
CRW8C7	*	3.300	-0.071	-2.35	3.310	-0.061	-2.00
CVVJ97		3.350	-0.021	-0.68	3.360	-0.011	-0.35
D476UE		3.389	0.018	0.60	3.389	0.018	0.59
F7MB78		3.390	0.019	0.65	3.390	0.019	0.64
FCNM34		3.395	0.024	0.81	3.395	0.024	0.80
FMRHL9		3.355	-0.016	-0.52	3.355	-0.016	-0.52
FQ9374		3.390	0.019	0.65	3.390	0.019	0.64
GBC893		3.365	-0.006	-0.19	3.355	-0.016	-0.52
GFRHL8		3.370	-0.001	-0.02	3.370	-0.001	-0.02
GLTRTY		3.395	0.024	0.81	3.400	0.029	0.97
GRYNCY		3.390	0.019	0.65	3.380	0.009	0.31
HHNLQY		3.375	0.004	0.15	3.380	0.009	0.31
HMJDYV		3.310	-0.061	-2.01	3.305	-0.066	-2.17
JD9BDV		3.380	0.009	0.31	3.375	0.004	0.14
JGC7UC		3.340	-0.031	-1.02	3.340	-0.031	-1.01
JVT2B9	X	3.500	0.129	4.30	3.360	-0.011	-0.35
KH3R3U	X	3.470	0.099	3.31	3.450	0.079	2.62
LQ9WQ4		3.370	-0.001	-0.02	3.383	0.012	0.39
LWEPKZ		3.375	0.004	0.15	3.365	-0.006	-0.19
MNEPLX		3.330	-0.041	-1.35	3.330	-0.041	-1.34
NKYE9U		3.395	0.024	0.81	3.390	0.019	0.64
NPQLQ3	X	3.310	-0.061	-2.01	3.325	-0.046	-1.51
P2XRGV		3.400	0.029	0.98	3.400	0.029	0.97
PAVJPN		3.345	-0.026	-0.85	3.340	-0.031	-1.01
Q2B3AK		3.360	-0.011	-0.35	3.360	-0.011	-0.35
Q36TFY		3.360	-0.011	-0.35	3.360	-0.011	-0.35
QPJG4P		3.360	-0.011	-0.35	3.365	-0.006	-0.19
QQYDWN		3.350	-0.021	-0.68	3.355	-0.016	-0.52
QZZZNL		3.350	-0.021	-0.68	3.350	-0.021	-0.68
T7XA6X		3.380	0.009	0.31	3.380	0.009	0.31
T96R4T		3.375	0.004	0.15	3.380	0.009	0.31
TPDLV3		3.370	-0.001	-0.02	3.370	-0.001	-0.02



ASEV-CTS Wine Industry Interlaboratory Testing Program
Analysis 9027
pH

Report #082
Spring 2026

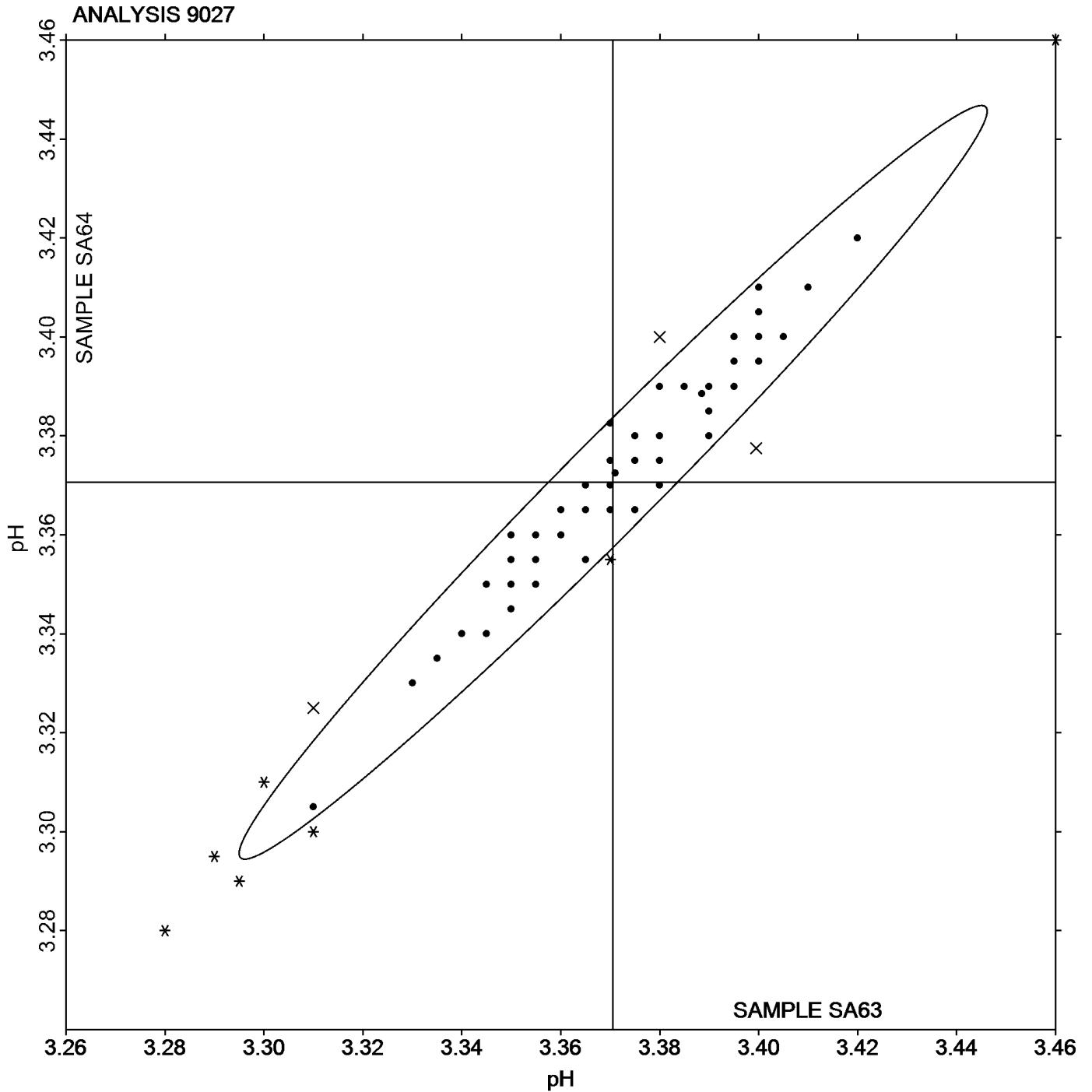
WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
UBRTK2		3.400	0.029	0.98	3.400	0.029	0.97
V6JLKN	*	3.280	-0.091	-3.01	3.280	-0.091	-2.99
VRTTAF		3.345	-0.026	-0.85	3.350	-0.021	-0.68
W8276J		3.370	-0.001	-0.02	3.375	0.004	0.14
X32EAR		3.390	0.019	0.65	3.390	0.019	0.64
XD26TD		3.360	-0.011	-0.35	3.360	-0.011	-0.35
XYGMXN	*	3.295	-0.076	-2.51	3.290	-0.081	-2.66
YCK9ZE		3.405	0.034	1.14	3.400	0.029	0.97
YCPRNG	*	3.310	-0.061	-2.01	3.300	-0.071	-2.33
YX4CKH		3.365	-0.006	-0.19	3.370	-0.001	-0.02
Z3UAMD		3.400	0.029	0.98	3.395	0.024	0.80
ZCKUQQ	*	3.290	-0.081	-2.68	3.295	-0.076	-2.50
ZP686L		3.335	-0.036	-1.18	3.335	-0.036	-1.18
ZQL4WL		3.400	0.029	0.98	3.395	0.024	0.80
ZTN38D		3.371	0.000	0.01	3.373	0.002	0.06

Grand Means		Summary Statistics	
	3.3706 pH		3.3706 pH
Std Dev Btwn Labs			
	0.0301 pH		0.0303 pH
Statistics based on 78 of 85 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

Comments on Assigned Data Flags for Test #9027

- JVT2B9 (X) - Inconsistent in testing between samples, data for sample SA63 are high.
- NPQLQ3 (X) - Inconsistent in testing between samples.
- APF2ZD (X) - Inconsistent in testing between samples.
- B4VJ89 (X) - Inconsistent in testing between samples.
- KH3R3U (X) - Inconsistent in testing between samples, data for sample SA63 are high.
- 2ZKJXA (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of sample SA64.
- 8H62R7 (X) - Data for both samples are high. Possible Systematic Error.





ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #082

**Analysis 9030
Titratable Acidity**

Spring 2026

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME		6.121	0.364	0.97	6.122	0.376	1.02
2ZKJXA		5.450	-0.307	-0.82	5.475	-0.270	-0.74
3GAQTM		5.600	-0.157	-0.42	5.600	-0.145	-0.40
3GPADK		6.250	0.493	1.31	6.250	0.505	1.37
3JR9NC		5.750	-0.007	-0.02	5.650	-0.095	-0.26
44EYKN		5.100	-0.657	-1.74	5.100	-0.645	-1.75
4FCXA9		5.400	-0.357	-0.95	5.350	-0.395	-1.08
4JVRBF	X	6.244	0.487	1.29	5.750	0.005	0.01
4V4XYM		5.380	-0.377	-1.00	5.370	-0.375	-1.02
6BXMVJ	*	5.080	-0.677	-1.80	4.980	-0.765	-2.08
6EBMRB		5.925	0.168	0.45	5.780	0.035	0.09
6F7348		6.650	0.893	2.37	6.590	0.845	2.30
6KXAMG		5.725	-0.032	-0.08	5.680	-0.065	-0.18
73XMVH		5.390	-0.367	-0.97	5.365	-0.380	-1.03
7C3UBG	X	7.270	1.513	4.02	6.930	1.185	3.22
7CXAME		5.320	-0.437	-1.16	5.310	-0.435	-1.18
7VVBYK		6.300	0.543	1.44	6.250	0.505	1.37
87BMR9		5.800	0.043	0.11	5.750	0.005	0.01
89HYAB		5.675	-0.082	-0.22	5.715	-0.030	-0.08
8ENVTB		5.500	-0.257	-0.68	5.500	-0.245	-0.67
8H62R7		5.740	-0.017	-0.04	5.730	-0.015	-0.04
8ZKAQK	*	5.470	-0.287	-0.76	5.640	-0.105	-0.29
9A9KF7		5.705	-0.052	-0.14	5.705	-0.040	-0.11
9DRFGD		6.320	0.563	1.50	6.320	0.575	1.56
9GQT44		5.500	-0.257	-0.68	5.500	-0.245	-0.67
9QVZJ3	X	5.170	-0.587	-1.56	5.400	-0.345	-0.94
9UW7Y9		5.540	-0.217	-0.58	5.525	-0.220	-0.60
9XF2YF		5.685	-0.072	-0.19	5.670	-0.075	-0.21
A2U2UL		6.000	0.243	0.65	6.000	0.255	0.69
A8BUKC		5.400	-0.357	-0.95	5.405	-0.340	-0.93
APF2ZD		6.200	0.443	1.18	6.050	0.305	0.83
B4Q2AA		5.540	-0.217	-0.58	5.580	-0.165	-0.45
B4RYK6	*	6.470	0.713	1.89	6.555	0.810	2.20
B4VJ89		5.550	-0.207	-0.55	5.575	-0.170	-0.46
B8UZHG		5.460	-0.297	-0.79	5.500	-0.245	-0.67

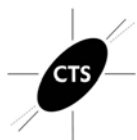


ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #082
Spring 2026

Analysis 9030 Titratable Acidity

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
BKZQMA		5.475	-0.282	-0.75	5.405	-0.340	-0.93
BWDDDB2		6.205	0.448	1.19	6.220	0.475	1.29
CMNPDD		5.450	-0.307	-0.82	5.450	-0.295	-0.80
CRW8C7		5.950	0.193	0.51	6.000	0.255	0.69
CVVJ97		6.450	0.693	1.84	6.500	0.755	2.05
D476UE		5.705	-0.052	-0.14	5.660	-0.085	-0.23
F7MB78		5.525	-0.232	-0.62	5.540	-0.205	-0.56
FCNM34		5.830	0.073	0.19	5.795	0.050	0.13
FMRHL9		5.595	-0.162	-0.43	5.540	-0.205	-0.56
FQ9374		5.550	-0.207	-0.55	5.550	-0.195	-0.53
GBC893		5.690	-0.067	-0.18	5.770	0.025	0.07
GFRHL8		5.600	-0.157	-0.42	5.600	-0.145	-0.40
GLTRTY		6.060	0.303	0.80	5.995	0.250	0.68
GRYNCY		5.500	-0.257	-0.68	5.500	-0.245	-0.67
HHNLQY		6.050	0.293	0.78	5.900	0.155	0.42
HMJDYV		5.400	-0.357	-0.95	5.350	-0.395	-1.08
JD9BDV		5.435	-0.322	-0.85	5.420	-0.325	-0.88
JGC7UC		5.400	-0.357	-0.95	5.450	-0.295	-0.80
JNUEJ9		5.618	-0.139	-0.37	5.657	-0.089	-0.24
JVT2B9	*	5.750	-0.007	-0.02	5.900	0.155	0.42
KH3R3U	X	7.265	1.508	4.01	7.335	1.590	4.32
LQ9WQ4		5.794	0.037	0.10	5.768	0.023	0.06
MNEPLX	*	6.700	0.943	2.50	6.635	0.890	2.42
NKYE9U		5.600	-0.157	-0.42	5.660	-0.085	-0.23
NPQLQ3		6.500	0.743	1.97	6.410	0.665	1.81
P2XRGV	X	5.300	-0.457	-1.21	5.500	-0.245	-0.67
PAVJPN		5.380	-0.377	-1.00	5.420	-0.325	-0.88
Q2B3AK		5.500	-0.257	-0.68	5.600	-0.145	-0.40
Q36TFY		5.850	0.093	0.25	5.700	-0.045	-0.12
QPJG4P		5.500	-0.257	-0.68	5.500	-0.245	-0.67
QQYDWN		6.025	0.268	0.71	6.050	0.305	0.83
QZZZNL		5.835	0.078	0.21	5.825	0.080	0.22
T7XA6X		6.600	0.843	2.24	6.500	0.755	2.05
T96R4T		6.300	0.543	1.44	6.300	0.555	1.51
TPDLV3		5.900	0.143	0.38	5.825	0.080	0.22



**Analysis 9030
Titratable Acidity**

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
UBRTK2		5.650	-0.107	-0.28	5.550	-0.195	-0.53
V6JLKN		6.500	0.743	1.97	6.500	0.755	2.05
VRTTAF		5.685	-0.072	-0.19	5.695	-0.050	-0.14
W8276J		5.555	-0.202	-0.54	5.540	-0.205	-0.56
X32EAR		5.800	0.043	0.11	5.800	0.055	0.15
XD26TD		5.400	-0.357	-0.95	5.400	-0.345	-0.94
XYGMXN		5.705	-0.052	-0.14	5.695	-0.050	-0.14
YCK9ZE		5.120	-0.637	-1.69	5.155	-0.590	-1.61
YCPRNG		5.500	-0.257	-0.68	5.475	-0.270	-0.74
YX4CKH		5.995	0.238	0.63	6.015	0.270	0.73
Z3UAMD		5.990	0.233	0.62	5.920	0.175	0.47
ZCKUQQ		6.000	0.243	0.65	5.975	0.230	0.62
ZP686L		5.175	-0.582	-1.55	5.180	-0.565	-1.54
ZQL4WL		5.600	-0.157	-0.42	5.600	-0.145	-0.40
ZTN38D		6.159	0.402	1.07	6.149	0.403	1.10

Grand Means		Summary Statistics	
	5.7569 g/L as tartaric acid		5.7454 g/L as tartaric acid
Std Dev Btwn Labs			
	0.3766 g/L as tartaric acid		0.3678 g/L as tartaric acid
Statistics based on 80 of 85 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

Comments on Assigned Data Flags for Test #9030

- 7C3UBG (X) - Data for both samples are high. Possible systematic error. Inconsistent within the determinations of sample SA64.
- P2XRGV (X) - Inconsistent in testing between samples.
- 4JVRBF (X) - Inconsistent in testing between samples.
- KH3R3U (X) - Data for both samples are high. Possible Systematic Error.
- 9QVZJ3 (X) - Inconsistent in testing between samples.



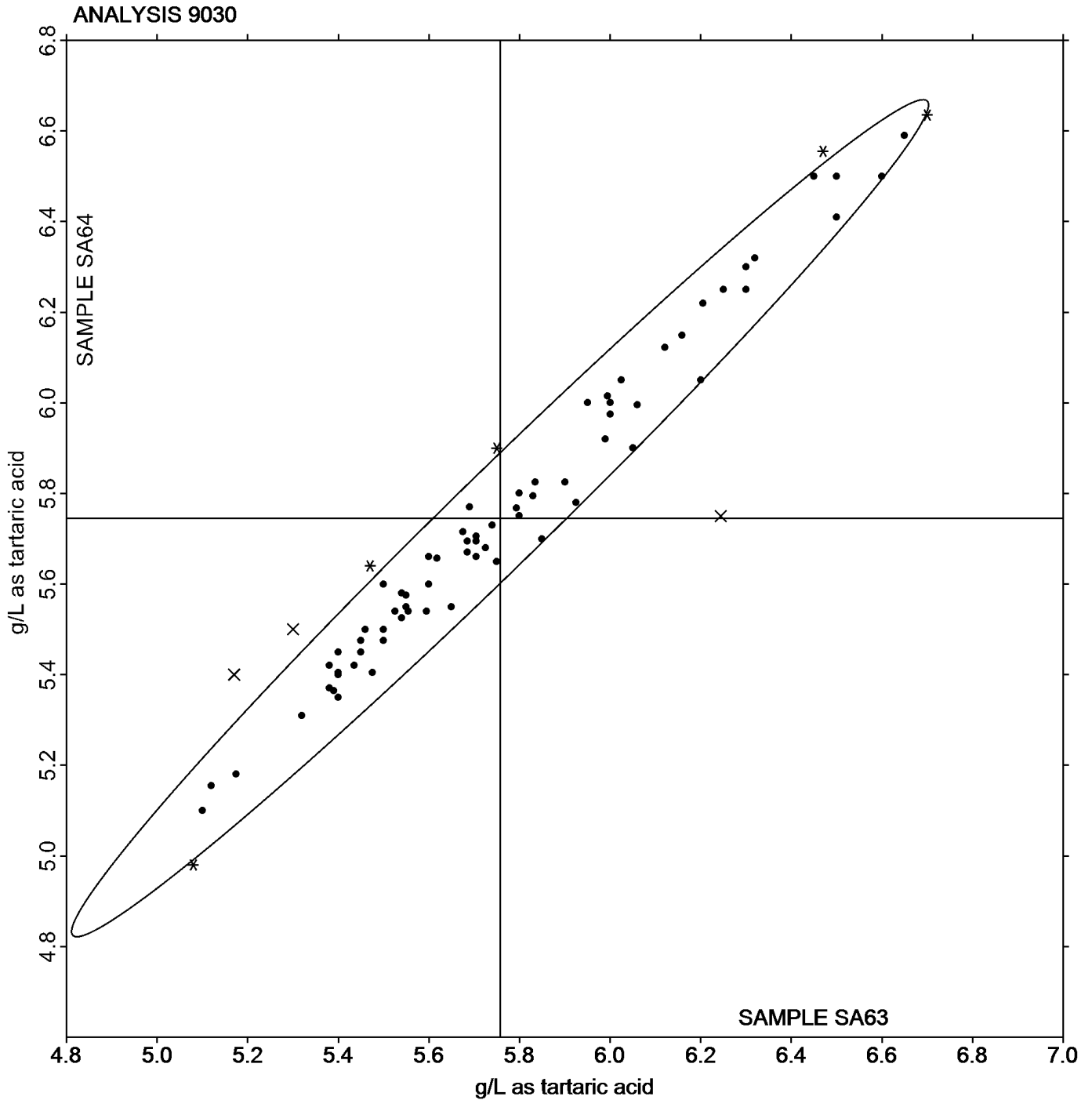
**Analysis 9030
Titratable Acidity**

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA63 <i>Pink Moscato</i>			Sample SA64 <i>Pink Moscato</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method	6.060	0.000	0.303	5.995	0.000	0.250	1/1
Autotitration	5.791	0.394	0.034	5.777	0.386	0.031	65/67
Manual Titration	5.555	0.113	-0.202	5.572	0.127	-0.174	3/5
FTIR	5.575	0.261	-0.182	5.577	0.265	-0.169	10/11
Segmented Flow Analyzer	5.685	0.000	-0.072	5.670	0.000	-0.075	1/1



Analysis 9030
Titratable Acidity



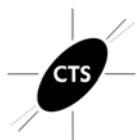


ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #082
Spring 2026

Analysis 9032 Volatile Acidity

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME		0.2740	0.0348	1.20	0.2775	0.0365	1.24
3GAQTM		0.2400	0.0008	0.03	0.2400	-0.0010	-0.03
3GPADK	X	0.3600	0.1208	4.17	0.3800	0.1390	4.71
3JR9NC		0.2350	-0.0042	-0.14	0.2350	-0.0060	-0.20
44EYKN		0.2100	-0.0292	-1.01	0.2200	-0.0210	-0.71
4FCXA9		0.2200	-0.0192	-0.66	0.2150	-0.0260	-0.88
4JVRBF		0.2400	0.0008	0.03	0.2500	0.0090	0.30
4V4XYM		0.2100	-0.0292	-1.01	0.2150	-0.0260	-0.88
6BXMVJ		0.2300	-0.0092	-0.32	0.2350	-0.0060	-0.20
6EBMRB		0.2300	-0.0092	-0.32	0.2450	0.0040	0.13
6F7348		0.2300	-0.0092	-0.32	0.2300	-0.0110	-0.37
6KXAMG		0.2300	-0.0092	-0.32	0.2365	-0.0045	-0.15
73XMVH		0.2400	0.0008	0.03	0.2500	0.0090	0.30
7C3UBG		0.3015	0.0623	2.15	0.3075	0.0665	2.25
7CXAME		0.2100	-0.0292	-1.01	0.2100	-0.0310	-1.05
7VVBYK		0.1950	-0.0442	-1.52	0.1850	-0.0560	-1.90
7YXEPL		0.1750	-0.0642	-2.21	0.1800	-0.0610	-2.07
87BMR9		0.2050	-0.0342	-1.18	0.2100	-0.0310	-1.05
89HYAB		0.2300	-0.0092	-0.32	0.2300	-0.0110	-0.37
8ENVTB		0.2100	-0.0292	-1.01	0.2050	-0.0360	-1.22
8H62R7		0.2250	-0.0142	-0.49	0.2350	-0.0060	-0.20
8ZKAQK		0.2300	-0.0092	-0.32	0.2350	-0.0060	-0.20
9A9KF7		0.2550	0.0158	0.55	0.2550	0.0140	0.47
9DRFGD		0.3030	0.0638	2.20	0.3010	0.0600	2.03
9GQT44		0.2500	0.0108	0.37	0.2500	0.0090	0.30
9QVZJ3	X	0.3500	0.1108	3.82	0.3500	0.1090	3.69
9UW7Y9		0.3000	0.0608	2.10	0.3000	0.0590	2.00
9XF2YF	X	0.3550	0.1158	4.00	0.3900	0.1490	5.04
A2U2UL	X	0.1350	-0.1042	-3.59	0.1000	-0.1410	-4.77
A8BUKC	X	0.2950	0.0558	1.93	0.2750	0.0340	1.15
APF2ZD		0.2850	0.0458	1.58	0.2900	0.0490	1.66
B4Q2AA		0.2900	0.0508	1.75	0.2900	0.0490	1.66
B4RYK6		0.2250	-0.0142	-0.49	0.2250	-0.0160	-0.54
B4VJ89		0.2215	-0.0177	-0.61	0.2215	-0.0195	-0.66
B8UZHG	X	0.3950	0.1558	5.38	0.4000	0.1590	5.38

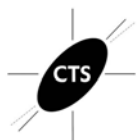


ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #082
Spring 2026

Analysis 9032 Volatile Acidity

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
BKZQMA		0.2550	0.0158	0.55	0.2500	0.0090	0.30
BWDDDB2		0.2300	-0.0092	-0.32	0.2250	-0.0160	-0.54
CMNPDD		0.2350	-0.0042	-0.14	0.2400	-0.0010	-0.03
CRW8C7		0.2500	0.0108	0.37	0.2600	0.0190	0.64
CVVJ97		0.2250	-0.0142	-0.49	0.2250	-0.0160	-0.54
D476UE		0.2450	0.0058	0.20	0.2450	0.0040	0.13
F7MB78		0.2485	0.0093	0.32	0.2490	0.0080	0.27
FCNM34	X	0.1850	-0.0542	-1.87	0.2050	-0.0360	-1.22
FMRHL9		0.2150	-0.0242	-0.83	0.2250	-0.0160	-0.54
FQ9374	*	0.2500	0.0108	0.37	0.2350	-0.0060	-0.20
GBC893		0.2550	0.0158	0.55	0.2550	0.0140	0.47
GFRHL8		0.3000	0.0608	2.10	0.3000	0.0590	2.00
GLTRTY		0.2150	-0.0242	-0.83	0.2250	-0.0160	-0.54
GMP96W		0.2500	0.0108	0.37	0.2500	0.0090	0.30
GRYNCY	X	0.3450	0.1058	3.65	0.3450	0.1040	3.52
HHNLQY	*	0.2400	0.0008	0.03	0.2250	-0.0160	-0.54
HMJDYV	X	0.4200	0.1808	6.24	0.4350	0.1940	6.57
JD9BDV		0.2800	0.0408	1.41	0.2900	0.0490	1.66
JGC7UC		0.2500	0.0108	0.37	0.2500	0.0090	0.30
JVT2B9		0.2200	-0.0192	-0.66	0.2200	-0.0210	-0.71
KH3R3U		0.2300	-0.0092	-0.32	0.2250	-0.0160	-0.54
LQ9WQ4		0.2200	-0.0192	-0.66	0.2350	-0.0060	-0.20
LWEPKZ		0.2450	0.0058	0.20	0.2500	0.0090	0.30
MNEPLX		0.2150	-0.0242	-0.83	0.2200	-0.0210	-0.71
NKYE9U	*	0.2450	0.0058	0.20	0.2300	-0.0110	-0.37
NPQLQ3		0.2700	0.0308	1.06	0.2800	0.0390	1.32
P2XRGV		0.2350	-0.0042	-0.14	0.2400	-0.0010	-0.03
PAVJPN	X	0.3450	0.1058	3.65	0.3300	0.0890	3.01
Q2B3AK		0.2400	0.0008	0.03	0.2400	-0.0010	-0.03
Q36TFY		0.2100	-0.0292	-1.01	0.2100	-0.0310	-1.05
QPJG4P		0.1850	-0.0542	-1.87	0.1900	-0.0510	-1.73
QQYDWN	X	0.2550	0.0158	0.55	0.1750	-0.0660	-2.23
QZZZNL		0.1850	-0.0542	-1.87	0.1800	-0.0610	-2.07
T7XA6X		0.2280	-0.0112	-0.39	0.2320	-0.0090	-0.31
T96R4T		0.2400	0.0008	0.03	0.2500	0.0090	0.30

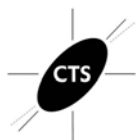


**Analysis 9032
Volatile Acidity**

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
TPDLV3		0.2800	0.0408	1.41	0.2800	0.0390	1.32
UBRTK2		0.2150	-0.0242	-0.83	0.2150	-0.0260	-0.88
V6JLKN		0.2000	-0.0392	-1.35	0.1950	-0.0460	-1.56
VRTTAF		0.2250	-0.0142	-0.49	0.2250	-0.0160	-0.54
W8276J		0.2525	0.0133	0.46	0.2460	0.0050	0.17
X32EAR		0.2400	0.0008	0.03	0.2400	-0.0010	-0.03
XD26TD		0.2150	-0.0242	-0.83	0.2200	-0.0210	-0.71
XYGMXN		0.2800	0.0408	1.41	0.2800	0.0390	1.32
YCK9ZE		0.2800	0.0408	1.41	0.2800	0.0390	1.32
YCPRNG		0.2200	-0.0192	-0.66	0.2350	-0.0060	-0.20
YX4CKH		0.2550	0.0158	0.55	0.2550	0.0140	0.47
Z3UAMD		0.2250	-0.0142	-0.49	0.2250	-0.0160	-0.54
ZCKUQQ		0.3100	0.0708	2.44	0.3150	0.0740	2.50
ZP686L		0.2250	-0.0142	-0.49	0.2250	-0.0160	-0.54
ZQL4WL		0.2650	0.0258	0.89	0.2700	0.0290	0.98
ZTN38D		0.2400	0.0008	0.03	0.2400	-0.0010	-0.03

Grand Means		Summary Statistics	
	0.23919 g/L as acetic acid		0.24101 g/L as acetic acid
Std Dev Btwn Labs			
	0.02899 g/L as acetic acid		0.02954 g/L as acetic acid
Statistics based on 75 of 86 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato



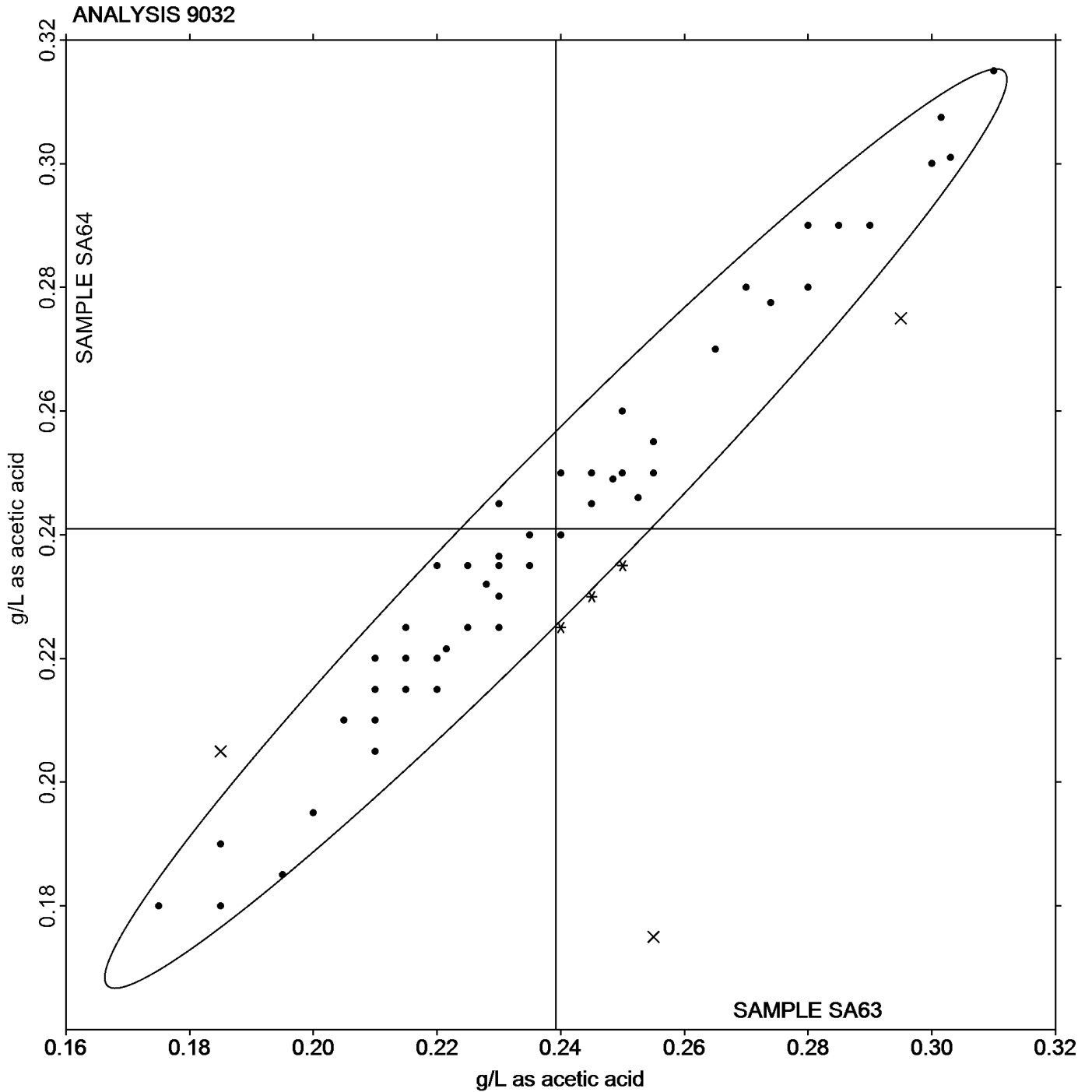
**Analysis 9032
Volatile Acidity**

Comments on Assigned Data Flags for Test #9032

- A2U2UL (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of sample SA63.
- B8UZHG (X) - Data for both samples are high. Possible Systematic Error.
- 9XF2YF (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of sample SA63.
- A8BUKC (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample SA64.
- 3GPADK (X) - Data for both samples are high. Possible Systematic Error.
- FCNM34 (X) - Inconsistent in testing between samples.
- GRYNCY (X) - Data for both samples are high. Possible Systematic Error.
- QQYDWN (X) - Inconsistent in testing between samples.
- HMJDYV (X) - Data for both samples are high. Inconsistent within the determinations of both samples.
- PAVJPN (X) - Data for both samples are high. Possible Systematic Error.
- 9QVZJ3 (X) - Data for both samples are high. Possible Systematic Error.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA63 <i>Pink Moscato</i>			Sample SA64 <i>Pink Moscato</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Cash Still method							0/3
Enzymatic method	0.237	0.027	-0.0020	0.239	0.027	-0.0023	63/68
GC	0.230	0.000	-0.0092	0.235	0.000	-0.0060	1/1
Colorimetric Analysis	0.233	0.011	-0.0067	0.233	0.011	-0.0085	2/2
Seg. Flow / Colorimetric Analyzer							0/2
FTIR	0.255	0.044	0.0163	0.260	0.044	0.0187	9/10





ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #082

Analysis 9040 Specific Gravity

Spring 2026

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME	X	1.017	-0.003	-6.50	1.017	-0.003	-6.05
2ZKJXA		1.021	0.000	0.20	1.021	0.001	1.07
3GAQTM		1.021	0.000	0.57	1.021	0.000	0.59
3GPADK		1.020	0.000	0.10	1.021	0.000	0.18
3JR9NC		1.020	0.000	0.10	1.020	0.000	0.09
44EYKN		1.020	0.000	-0.18	1.020	0.000	0.07
4FCXA9		1.021	0.000	0.35	1.021	0.000	0.32
4JVRBF		1.021	0.001	1.61	1.021	0.001	1.78
4V4XYM	*	1.020	0.000	-0.65	1.021	0.000	0.54
6BXMVJ		1.021	0.000	0.54	1.021	0.000	0.50
6EBMRB		1.020	0.000	0.10	1.020	0.000	0.00
6F7348		1.020	-0.001	-1.31	1.019	-0.001	-1.95
6KXAMG		1.021	0.000	0.21	1.020	0.000	0.13
73XMVH		1.020	0.000	-0.18	1.020	0.000	-0.18
7C3UBG		1.021	0.000	0.34	1.021	0.000	0.63
7CXAME		1.021	0.000	0.76	1.021	0.000	0.71
7VVBYK	X	1.021	0.000	0.31	1.036	0.015	26.93
87BMR9		1.021	0.001	1.14	1.021	0.001	0.98
89HYAB		1.020	0.000	0.14	1.020	0.000	0.11
8ENVTB		1.020	0.000	-0.09	1.020	0.000	-0.09
8H62R7	X	1.019	-0.001	-1.78	1.019	-0.002	-3.11
8ZKAQK		1.020	0.000	-0.09	1.021	0.000	0.18
9A9KF7	*	1.022	0.002	3.40	1.022	0.002	3.03
9DRFGD		1.019	-0.001	-2.21	1.019	-0.001	-2.52
9QVZJ3		1.020	0.000	-0.75	1.020	0.000	-0.71
9UW7Y9		1.021	0.000	0.48	1.021	0.000	0.41
9XF2YF		1.021	0.000	0.20	1.021	0.000	0.18
APF2ZD	X	1.015	-0.005	-10.18	1.010	-0.010	-18.51
B4RYK6	*	1.020	0.000	-0.65	1.021	0.000	0.54
B4VJ89		1.020	0.000	-0.37	1.020	0.000	-0.35
B8UZHG		1.021	0.000	0.23	1.021	0.000	0.23
BKZQMA		1.021	0.000	0.87	1.021	0.000	0.82
BWDDDB2	X	1.017	-0.003	-6.41	1.017	-0.003	-6.05
CRW8C7		1.020	0.000	0.12	1.020	0.000	0.15
CVVJ97		1.020	0.000	0.16	1.020	0.000	0.09



ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #082

**Analysis 9040
Specific Gravity**

Spring 2026

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
D476UE		1.020	0.000	-0.01	1.020	0.000	0.01
F7MB78		1.021	0.001	1.23	1.021	0.001	1.34
FCNM34	*	1.019	-0.002	-3.58	1.019	-0.002	-3.38
FMRHL9		1.020	0.000	-0.18	1.020	0.000	-0.18
FQ9374		1.021	0.000	0.20	1.021	0.001	1.07
GFRHL8		1.021	0.000	0.45	1.021	0.000	0.27
GLTRTY		1.021	0.000	0.57	1.021	0.000	0.45
GRYNCY		1.020	-0.001	-1.12	1.020	-0.001	-1.60
HHNLQY		1.021	0.001	1.14	1.021	0.000	0.63
HMJDYV	*	1.019	-0.002	-3.39	1.019	-0.002	-3.20
JD9BDV		1.020	0.000	-0.23	1.020	0.000	-0.24
JGC7UC		1.020	0.000	0.01	1.021	0.000	0.18
JNUEJ9		1.020	0.000	0.04	1.020	0.000	0.00
KH3R3U		1.021	0.001	1.82	1.021	0.001	1.80
LQ9WQ4		1.021	0.001	0.95	1.021	0.001	0.89
LWEPKZ		1.021	0.000	0.30	1.021	0.000	0.55
MNEPLX		1.020	0.000	0.01	1.020	0.000	0.00
NKYE9U		1.021	0.000	0.38	1.020	0.000	-0.18
NPQLQ3		1.020	0.000	-0.09	1.020	0.000	0.09
P2XRGV	X	1.018	-0.002	-4.52	1.018	-0.002	-4.27
PAVJPN		1.021	0.000	0.44	1.021	0.000	0.36
Q2B3AK	X	1.021	0.000	0.35	1.019	-0.002	-2.92
Q36TFY		1.020	0.000	-0.46	1.020	0.000	-0.35
QPJG4P		1.020	0.000	0.01	1.020	0.000	0.09
QQYDWN		1.020	0.000	-0.04	1.020	0.000	-0.06
QZZZNL		1.020	0.000	-0.37	1.020	0.000	-0.33
T7XA6X		1.021	0.000	0.76	1.021	0.000	0.18
T96R4T		1.020	0.000	0.01	1.020	0.000	-0.18
UBRTK2		1.020	0.000	-0.75	1.020	0.000	-0.71
V6JLKN		1.021	0.001	1.14	1.021	0.001	1.25
VRTTAF		1.021	0.001	1.14	1.021	0.001	1.07
W8276J		1.020	-0.001	-1.22	1.020	-0.001	-1.15
X32EAR		1.020	0.000	0.12	1.020	0.000	0.11
XD26TD		1.021	0.000	0.20	1.021	0.000	0.63
XYGMXN	X	1.005	-0.015	-28.70	1.008	-0.012	-21.80



ASEV-CTS Wine Industry Interlaboratory Testing Program
Analysis 9040
Specific Gravity

Report #082
Spring 2026

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
YCPRNG		1.021	0.001	1.33	1.021	0.001	1.34
YX4CKH		1.020	0.000	-0.18	1.021	0.000	0.18
Z3UAMD	X	1.020	0.000	0.09	1.020	-0.001	-1.60
ZCKUQQ		1.020	0.000	0.14	1.020	0.000	0.13
ZP686L		1.021	0.000	0.21	1.020	0.000	0.01
ZQL4WL		1.020	0.000	0.12	1.020	0.000	0.09
ZTN38D		1.020	0.000	-0.02	1.021	0.000	0.28

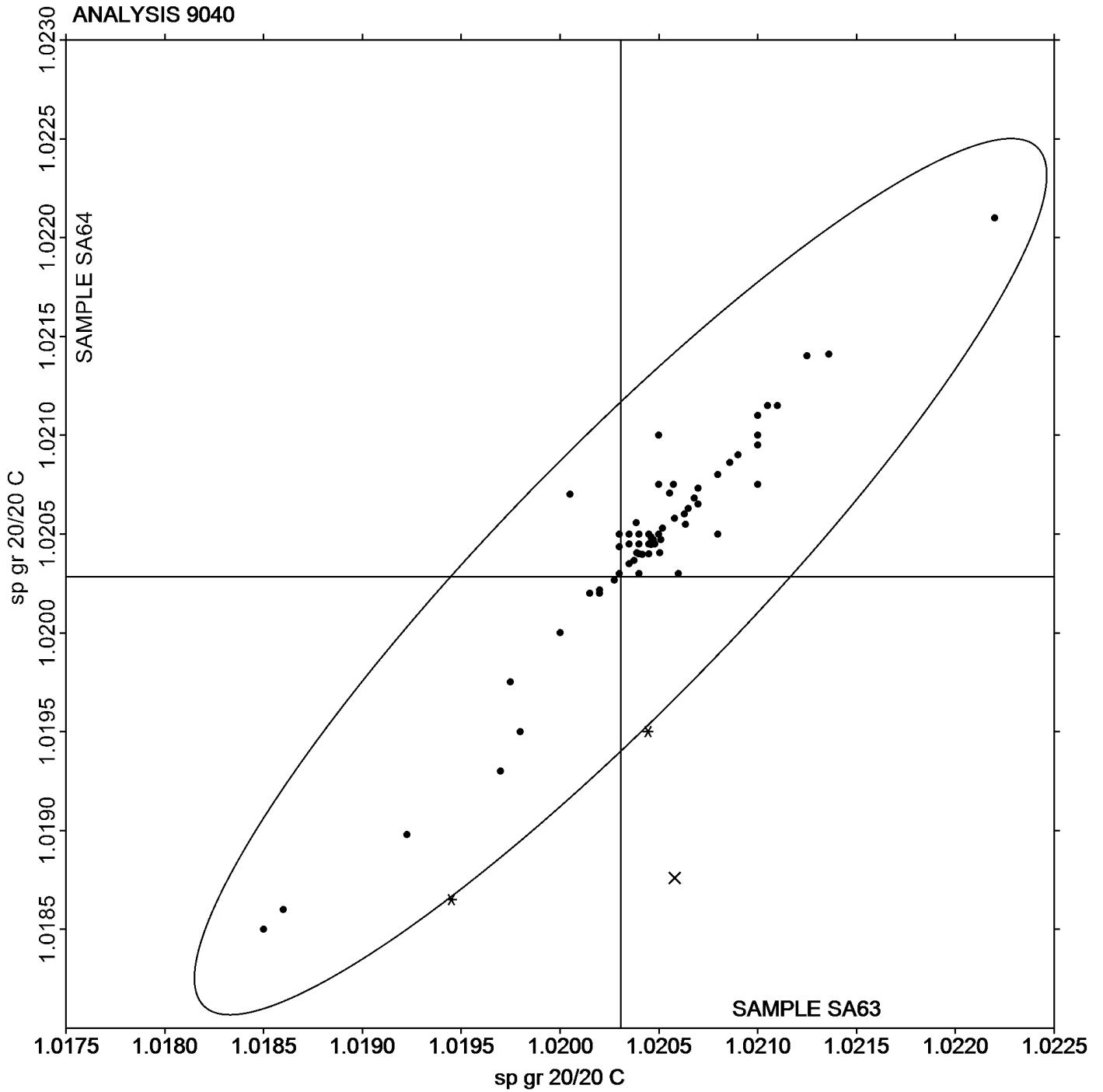
Grand Means		Summary Statistics	
1.0204	sp gr 20/20 C	1.0204	sp gr 20/20 C
0.0005	sp gr 20/20 C	0.0006	sp gr 20/20 C

Statistics based on 68 of 77 reporting participants

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

Comments on Assigned Data Flags for Test #9040

- 7VBYK (X) - Data for sample SA64 are high. Inconsistent within the determinations of sample SA64.
- APF2ZD (X) - Data for both samples are low. Inconsistent within the determinations of sample SA63.
- XYGMXN (X) - Data for both samples are low. Inconsistent within the determinations of both samples.
- P2XRGV (X) - Data for both samples are low.
- 2RR9ME (X) - Data for both samples are low.
- Z3UAMD (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample SA64.
- Q2B3AK (X) - Data for sample SA64 are low.
- BWDDDB2 (X) - Data for both samples are low.
- 8H62R7 (X) - Data for sample SA64 are low.





ASEV-CTS Wine Industry Interlaboratory Testing Program

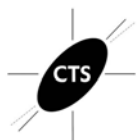
Report #082

Analysis 9045

Spring 2026

Turbidity

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME		0.1125	-0.1740	-1.45	0.1035	-0.1806	-1.39
3GPADK		0.4400	0.1535	1.28	0.4000	0.1159	0.89
3JR9NC		0.2325	-0.0540	-0.45	0.2305	-0.0536	-0.41
4FCXA9		0.2735	-0.0130	-0.11	0.2935	0.0094	0.07
4JVRBF		0.2485	-0.0380	-0.32	0.2290	-0.0551	-0.42
4V4XYM		0.3200	0.0335	0.28	0.2570	-0.0271	-0.21
6BXMVJ		0.1940	-0.0925	-0.77	0.1965	-0.0876	-0.68
6EBMRB	*	0.3000	0.0135	0.11	0.5000	0.2159	1.66
73XMVH		0.5585	0.2720	2.26	0.5615	0.2774	2.14
7C3UBG	X	0.1600	-0.1265	-1.05	0.5250	0.2409	1.86
7VVBYK		0.2670	-0.0195	-0.16	0.2400	-0.0441	-0.34
7YXEPL		0.2730	-0.0135	-0.11	0.2845	0.0004	0.00
87BMR9	X	0.7600	0.4735	3.94	0.2725	-0.0116	-0.09
8ENVTB		0.1750	-0.1115	-0.93	0.1900	-0.0941	-0.73
8H62R7		0.3700	0.0835	0.69	0.3800	0.0959	0.74
9A9KF7		0.2600	-0.0265	-0.22	0.3600	0.0759	0.58
9QVZJ3	X	1.6600	1.3735	11.42	1.6800	1.3959	10.76
A8BUKC		0.2900	0.0035	0.03	0.2100	-0.0741	-0.57
APF2ZD	X	0.7000	0.4135	3.44	0.8500	0.5659	4.36
B4RYK6		0.2200	-0.0665	-0.55	0.1600	-0.1241	-0.96
B4VJ89		0.2650	-0.0215	-0.18	0.2300	-0.0541	-0.42
BKZQMA		0.3760	0.0895	0.74	0.4405	0.1564	1.21
BWDDDB2		0.2300	-0.0565	-0.47	0.2600	-0.0241	-0.19
CMNPDD		0.2800	-0.0065	-0.05	0.3500	0.0659	0.51
CVVJ97		0.4200	0.1335	1.11	0.3650	0.0809	0.62
FMRHL9		0.3020	0.0155	0.13	0.2305	-0.0536	-0.41
FQ9374		0.3300	0.0435	0.36	0.3700	0.0859	0.66
GFRHL8		0.3800	0.0935	0.78	0.3300	0.0459	0.35
GLTRTY	*	0.6000	0.3135	2.61	0.6000	0.3159	2.43
HHNLQY	*	0.1700	-0.1165	-0.97	0.0100	-0.2741	-2.11
HMJDYV		0.2450	-0.0415	-0.35	0.2400	-0.0441	-0.34
JD9BDV		0.1145	-0.1720	-1.43	0.1535	-0.1306	-1.01
JGC7UC	*	0.5160	0.2295	1.91	0.3760	0.0919	0.71
JVT2B9	X	0.6000	0.3135	2.61	0.2000	-0.0841	-0.65
KH3R3U	X	1.6300	1.3435	11.17	0.4700	0.1859	1.43



ASEV-CTS Wine Industry Interlaboratory Testing Program
Analysis 9045
Turbidity

Report #082
Spring 2026

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
LQ9WQ4	*	0.2900	0.0035	0.03	0.4705	0.1864	1.44
LWEPKZ		0.1250	-0.1615	-1.34	0.1200	-0.1641	-1.26
MNEPLX		0.0800	-0.2065	-1.72	0.0900	-0.1941	-1.50
NPQLQ3		0.4050	0.1185	0.99	0.3400	0.0559	0.43
PAVJPN	X	0.6190	0.3325	2.77	1.3450	1.0609	8.18
QPJG4P	X	0.5800	0.2935	2.44	0.8400	0.5559	4.28
QZZZNL	X	1.8900	1.6035	13.34	2.2500	1.9659	15.15
T7XA6X		0.3000	0.0135	0.11	0.4000	0.1159	0.89
T96R4T		0.2505	-0.0360	-0.30	0.2330	-0.0511	-0.39
UBRTK2		0.3200	0.0335	0.28	0.3450	0.0609	0.47
V6JLKN		0.2490	-0.0375	-0.31	0.2460	-0.0381	-0.29
W8276J		0.3265	0.0400	0.33	0.3195	0.0354	0.27
WXR2RT		0.2000	-0.0865	-0.72	0.2000	-0.0841	-0.65
X32EAR		0.3215	0.0350	0.29	0.3460	0.0619	0.48
XYGMXN		0.4795	0.1930	1.61	0.3795	0.0954	0.73
Z3UAMD	X	2.3550	2.0685	17.20	0.3200	0.0359	0.28
ZP686L		0.1450	-0.1415	-1.18	0.1135	-0.1706	-1.31
ZQL4WL		0.0645	-0.2220	-1.85	0.0630	-0.2211	-1.70

Grand Means		Summary Statistics	
	0.28650 NTU		0.28413 NTU
Stnd Dev Btwn Labs			
	0.12024 NTU		0.12976 NTU
Statistics based on 43 of 53 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato



Comments on Assigned Data Flags for Test #9045

JVT2B9 (X) - Inconsistent in testing between samples.

7C3UBG (X) - Inconsistent in testing between samples.

APF2ZD (X) - Data for both samples are high. Inconsistent within the determinations of both samples.

Z3UAMD (X) - Data for sample SA63 are high. Inconsistent within the determinations of sample SA63.

KH3R3U (X) - Data for sample SA63 are high. Inconsistent within the determinations of sample SA64.

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

87BMR9 (X) - Data for sample SA63 are high.

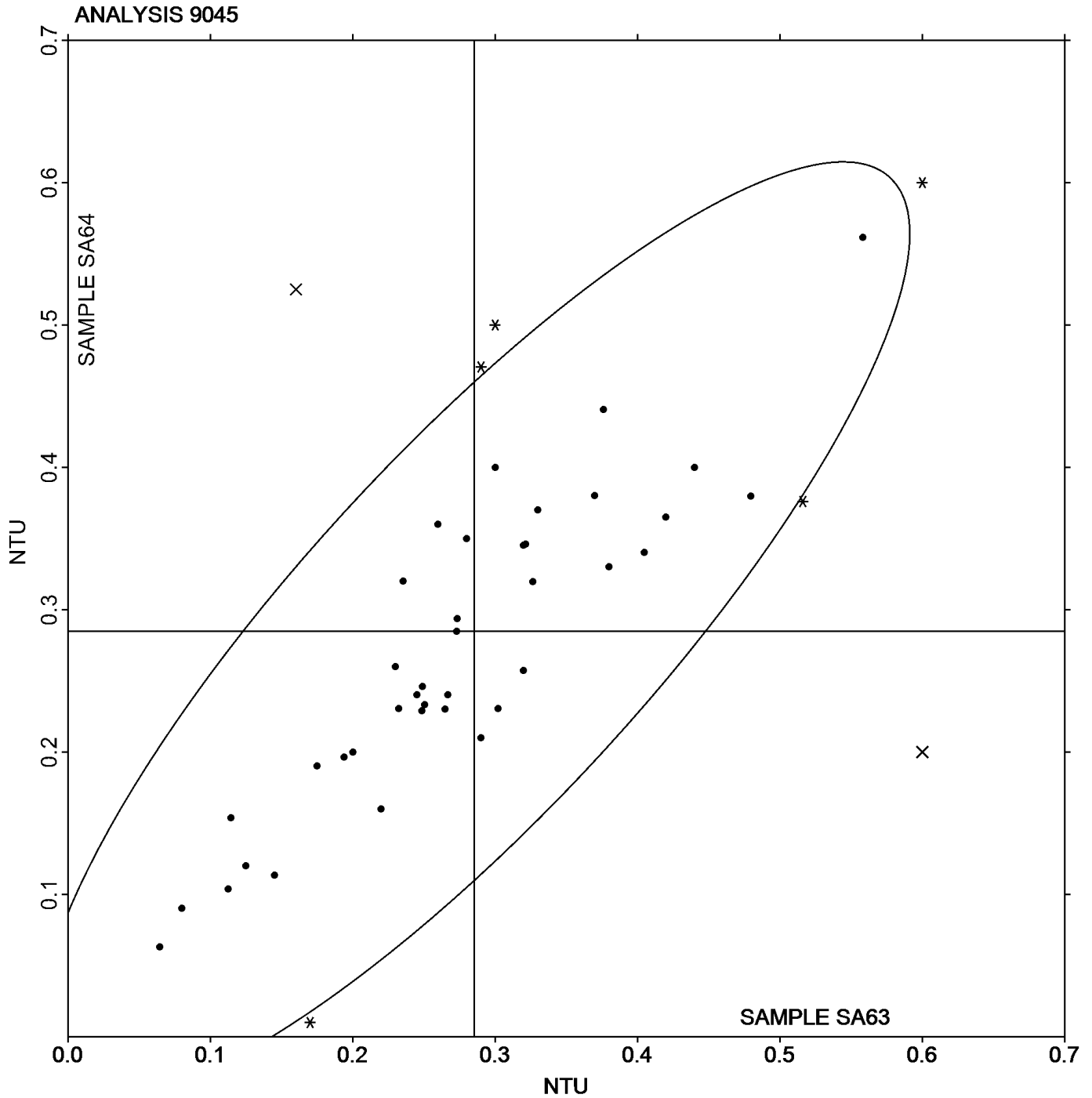
QPJG4P (X) - Data for sample SA64 are high. Inconsistent within the determinations of both samples.

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

9QVZJ3 (X) - Data for both samples are high.



Analysis 9045
Turbidity





**Analysis 9050
Residual Sugar**

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME		68.20	6.82	1.05	68.30	6.75	1.03
4JVRBF		59.95	-1.43	-0.22	60.61	-0.94	-0.14
7C3UBG		55.72	-5.67	-0.88	55.94	-5.61	-0.85
8H62R7	*	43.17	-18.21	-2.81	43.09	-18.46	-2.81
9QVZJ3		71.75	10.37	1.60	73.45	11.90	1.81
9XF2YF		61.78	0.39	0.06	61.62	0.07	0.01
APF2ZD	*	70.35	8.97	1.39	66.81	5.26	0.80
FQ9374	X	113.00	51.62	7.97	117.00	55.45	8.44
GFRHL8		65.60	4.22	0.65	65.50	3.95	0.60
HMJDYV		61.00	-0.38	-0.06	61.00	-0.55	-0.08
JD9BDV		59.55	-1.83	-0.28	60.00	-1.55	-0.24
JVT2B9		60.00	-1.38	-0.21	59.00	-2.55	-0.39
LWEPKZ		64.50	3.12	0.48	65.75	4.20	0.64
MNEPLX		61.04	-0.34	-0.05	61.28	-0.27	-0.04
NPQLQ3		52.00	-9.38	-1.45	52.00	-9.55	-1.45
PAVJPN		65.00	3.62	0.56	67.80	6.25	0.95
QZZZNL		58.03	-3.35	-0.52	58.71	-2.84	-0.43
XYGMXN		63.90	2.52	0.39	64.00	2.45	0.37
Z3UAMD		62.25	0.87	0.13	62.10	0.55	0.08
ZP686L		62.50	1.12	0.17	62.50	0.95	0.14

Grand Means		Summary Statistics	
	61.383 g/L		61.549 g/L
Std Dev Btwn Labs			
	6.473 g/L		6.567 g/L
Statistics based on 19 of 20 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

Comments on Assigned Data Flags for Test #9050

FQ9374 (X) - Data for both samples are high.



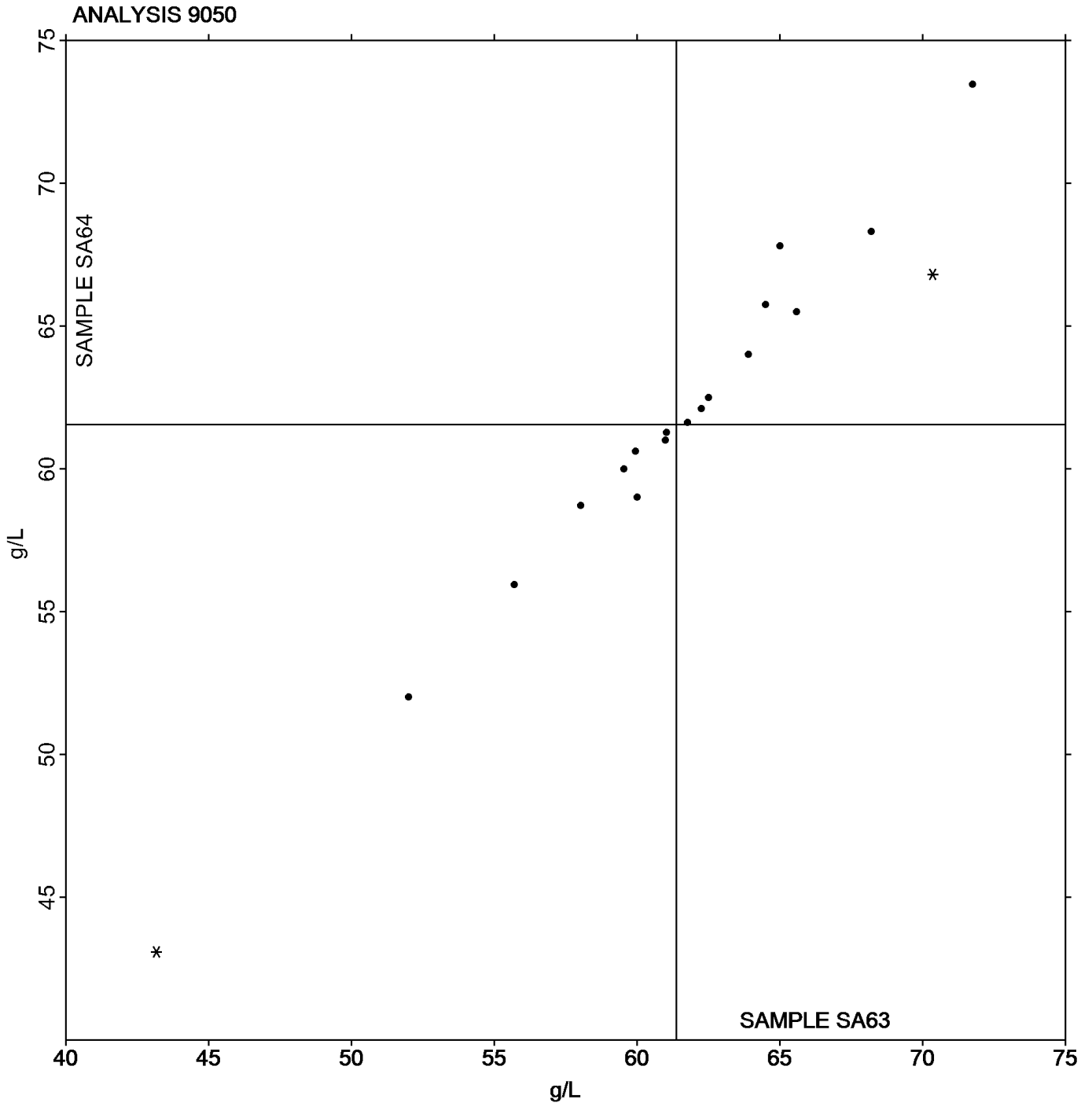
**Analysis 9050
Residual Sugar**

Results by Methodology (as reported by laboratory)

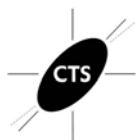
Test Methodology	Sample SA63 <i>Pink Moscato</i>			Sample SA64 <i>Pink Moscato</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Cu Reduction Method	65.000	0.000	3.62	67.800	0.000	6.25	1/1
HPLC	71.750	0.000	10.37	73.450	0.000	11.90	1/1
Segmented Flow	61.775	0.000	0.39	61.615	0.000	0.07	1/1
FTIR	62.041	2.643	0.66	62.195	2.780	0.65	8/9
Other	58.928	8.725	-2.46	58.627	8.193	-2.92	8/8



Analysis 9050
Residual Sugar



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

Report #082
Spring 2026

Analysis 9051 Glucose + Fructose

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME		62.50	0.50	0.20	62.50	0.49	0.19
3GAQTM		66.30	4.30	1.72	66.45	4.44	1.73
3GPADK		60.05	-1.95	-0.78	59.25	-2.76	-1.07
3JR9NC		62.47	0.47	0.19	62.30	0.29	0.11
44EYKN		66.10	4.10	1.64	66.10	4.09	1.59
4FCXA9	*	58.05	-3.95	-1.58	60.35	-1.66	-0.65
4JVRBF		59.95	-2.05	-0.82	60.61	-1.40	-0.54
4V4XYM		60.30	-1.70	-0.68	61.30	-0.71	-0.28
6BXMVJ		64.26	2.26	0.90	63.56	1.55	0.60
6EBMRB		59.00	-3.00	-1.20	58.10	-3.91	-1.52
6F7348		66.50	4.50	1.80	66.90	4.89	1.90
6KXAMG		61.17	-0.83	-0.33	59.81	-2.20	-0.86
73XMVH		60.50	-1.50	-0.60	61.35	-0.66	-0.26
7CXAME		60.40	-1.60	-0.64	60.50	-1.51	-0.59
7VVBYK	X	40.30	-21.70	-8.68	40.50	-21.51	-8.37
7YXEPL		61.41	-0.59	-0.23	61.95	-0.06	-0.03
87BMR9		65.75	3.75	1.50	65.45	3.44	1.34
89HYAB		61.25	-0.75	-0.30	61.95	-0.06	-0.02
8ENVTB		62.45	0.45	0.18	62.45	0.44	0.17
8H62R7	X	43.17	-18.83	-7.54	43.09	-18.92	-7.36
8ZKAQK		60.96	-1.04	-0.42	60.51	-1.50	-0.58
9A9KF7		58.35	-3.65	-1.46	58.55	-3.46	-1.35
9DRFGD	X	67.00	5.00	2.00	70.30	8.29	3.23
9GQT44		58.90	-3.10	-1.24	60.00	-2.01	-0.78
9UW7Y9		59.90	-2.10	-0.84	60.05	-1.96	-0.76
9XF2YF		61.80	-0.20	-0.08	62.17	0.16	0.06
A2U2UL	X	32.45	-29.55	-11.83	32.85	-29.16	-11.35
A8BUKC	*	60.50	-1.50	-0.60	63.35	1.34	0.52
APF2ZD	X	48.14	-13.86	-5.55	47.88	-14.13	-5.50
B4Q2AA	*	64.70	2.70	1.08	62.40	0.39	0.15
B4RYK6		62.66	0.66	0.26	63.15	1.14	0.44
B4VJ89	X	53.02	-8.98	-3.59	54.12	-7.89	-3.07
B8UZHG		58.95	-3.05	-1.22	60.10	-1.91	-0.74
BKZQMA		61.08	-0.92	-0.37	61.63	-0.38	-0.15
BWDDDB2		60.45	-1.55	-0.62	60.95	-1.06	-0.41



ASEV-CTS Wine Industry Interlaboratory Testing Program

**Report #082
Spring 2026**

**Analysis 9051
Glucose + Fructose**

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
CMNPDD		60.75	-1.25	-0.50	60.35	-1.66	-0.65
CRW8C7		61.90	-0.10	-0.04	60.90	-1.11	-0.43
CVVJ97		60.91	-1.09	-0.43	60.70	-1.31	-0.51
D476UE		64.33	2.33	0.93	64.45	2.44	0.95
F7MB78		65.01	3.01	1.21	64.46	2.45	0.95
FCNM34	X	44.78	-17.22	-6.89	44.95	-17.06	-6.64
FMRHL9	*	61.26	-0.74	-0.30	58.90	-3.11	-1.21
FQ9374		59.90	-2.10	-0.84	58.55	-3.46	-1.35
GBC893		60.94	-1.06	-0.42	61.46	-0.55	-0.21
GFRHL8		61.40	-0.60	-0.24	61.30	-0.71	-0.28
GLTRTY		59.72	-2.28	-0.91	59.37	-2.64	-1.03
GMP96W		67.50	5.50	2.20	68.20	6.19	2.41
GRYNKY		61.65	-0.35	-0.14	62.45	0.44	0.17
HHNLQY		58.80	-3.20	-1.28	58.80	-3.21	-1.25
JD9BDV		65.75	3.75	1.50	66.05	4.04	1.57
JGC7UC		64.90	2.90	1.16	66.00	3.99	1.55
JVT2B9		60.00	-2.00	-0.80	59.00	-3.01	-1.17
KH3R3U		59.24	-2.76	-1.10	59.00	-3.01	-1.17
LQ9WQ4	*	59.65	-2.35	-0.94	57.10	-4.91	-1.91
LWEPKZ		61.85	-0.15	-0.06	61.00	-1.01	-0.39
MNEPLX		61.04	-0.96	-0.38	61.28	-0.73	-0.29
NKYE9U		59.48	-2.52	-1.01	59.44	-2.57	-1.00
NPQLQ3		60.15	-1.85	-0.74	60.40	-1.61	-0.63
P2XRGV		65.13	3.13	1.25	64.60	2.59	1.01
PAVJPN		63.88	1.88	0.75	64.41	2.40	0.93
Q2B3AK		66.50	4.50	1.80	67.80	5.79	2.25
Q36TFY		59.39	-2.61	-1.05	60.18	-1.83	-0.71
QPJG4P		62.45	0.45	0.18	62.90	0.89	0.35
QQYDWN		60.05	-1.95	-0.78	59.75	-2.26	-0.88
QZZZNL		60.63	-1.37	-0.55	59.61	-2.40	-0.94
T7XA6X		67.15	5.15	2.06	66.15	4.14	1.61
T96R4T		64.50	2.50	1.00	63.80	1.79	0.70
TPDLV3		61.50	-0.50	-0.20	61.50	-0.51	-0.20
UBRTK2		58.40	-3.60	-1.44	59.25	-2.76	-1.07
V6JLKN		58.35	-3.65	-1.46	58.65	-3.36	-1.31



**Analysis 9051
Glucose + Fructose**

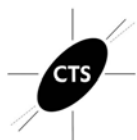
WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
VRTTAF		63.01	1.01	0.40	62.68	0.67	0.26
W8276J		63.74	1.74	0.70	63.59	1.58	0.62
X32EAR		66.50	4.50	1.80	66.85	4.84	1.88
XD26TD		61.55	-0.45	-0.18	63.26	1.25	0.48
XYGMXN		60.71	-1.29	-0.52	60.32	-1.69	-0.66
YCK9ZE		64.70	2.70	1.08	66.25	4.24	1.65
YCPRNG		65.47	3.48	1.39	63.54	1.53	0.59
YX4CKH		61.25	-0.75	-0.30	61.35	-0.66	-0.26
Z3UAMD		67.04	5.04	2.02	66.31	4.30	1.67
ZCKUQQ		61.50	-0.50	-0.20	62.00	-0.01	0.00
ZP686L		61.00	-1.00	-0.40	61.00	-1.01	-0.39
ZQL4WL		63.16	1.16	0.47	62.97	0.96	0.37
ZTN38D		61.45	-0.55	-0.22	61.20	-0.81	-0.32

Grand Means		Summary Statistics	
	61.996 g/L		62.010 g/L
Std Dev Btwn Labs			
	2.498 g/L		2.570 g/L
Statistics based on 76 of 83 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

Comments on Assigned Data Flags for Test #9051

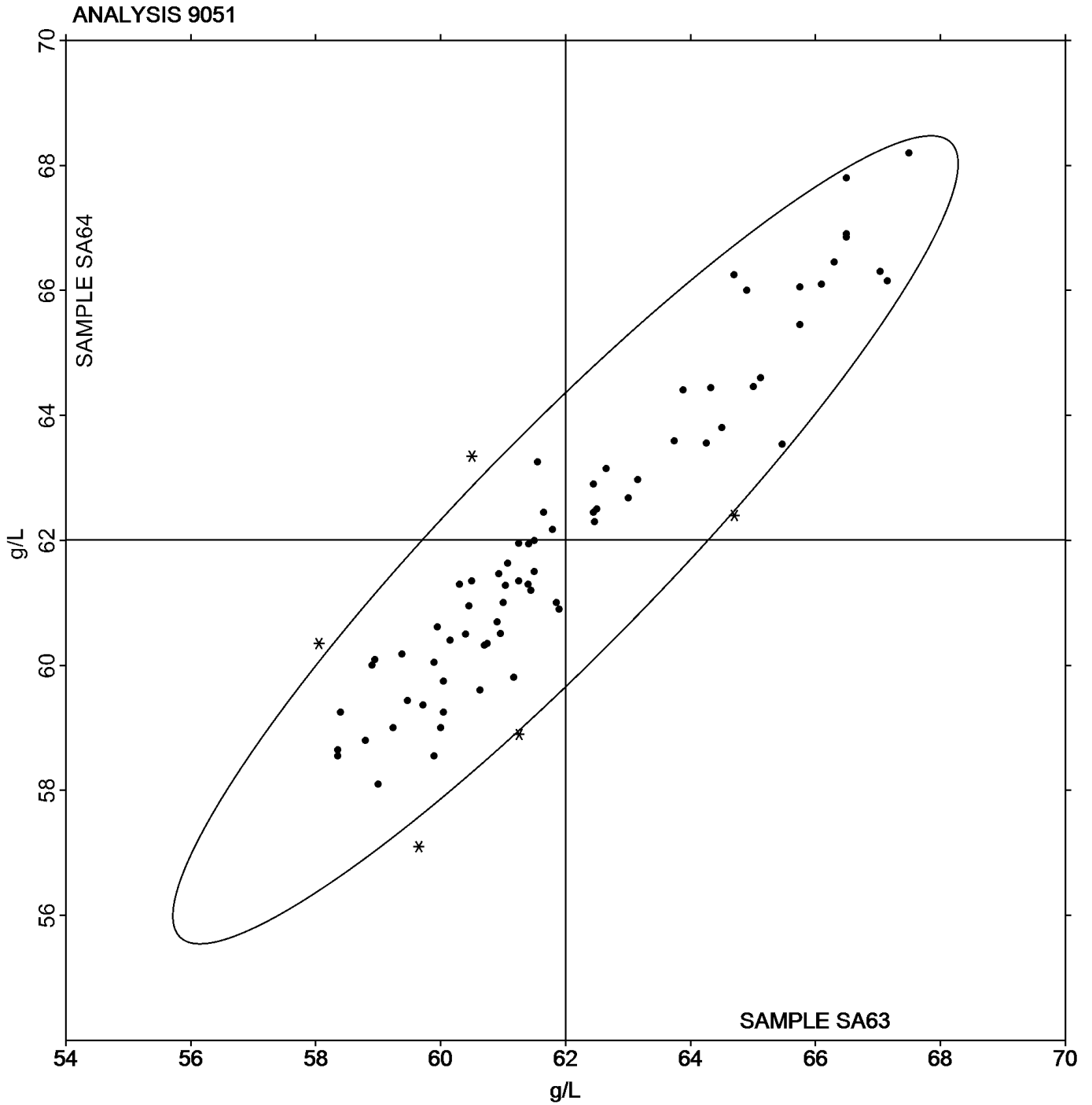
- A2U2UL (X) - Data for both samples are low. Possible Systematic Error.
- 7VVBK (X) - Data for both samples are low. Inconsistent within the determinations of both samples.
- 9DRFGD (X) - Inconsistent in testing between samples, data for sample SA64 are high.
- APF2ZD (X) - Data for both samples are low. Possible Systematic Error.
- B4VJ89 (X) - Data for both samples are low. Possible Systematic Error.
- FCNM34 (X) - Data for both samples are low. Possible Systematic Error.
- 8H62R7 (X) - Data for both samples are low. Possible Systematic Error.



Analysis 9051
Glucose + Fructose

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA63 <i>Pink Moscato</i>			Sample SA64 <i>Pink Moscato</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method used	59.720	0.000	-2.28	59.365	0.000	-2.64	1/1
HPLC	61.795	0.000	-0.20	62.170	0.000	0.16	1/1
Enzymatic/Spectrophotometric	61.816	2.420	-0.18	61.835	2.463	-0.17	67/74
FTIR	63.910	2.978	1.91	63.780	3.416	1.77	5/5
Other	64.500	2.828	2.50	64.675	3.076	2.67	2/2





ASEV-CTS Wine Industry Interlaboratory Testing Program
Analysis 9060
Copper Content

Report #082
Spring 2026

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
3GAQTM		0.1100	-0.0156	-0.37	0.1000	-0.0203	-0.52
44EYKN		0.1050	-0.0206	-0.49	0.1100	-0.0103	-0.27
4JVRBF		0.0875	-0.0381	-0.91	0.0500	-0.0703	-1.82
4V4XYM		0.1035	-0.0221	-0.53	0.1070	-0.0133	-0.34
6BXMVJ		0.1950	0.0694	1.67	0.2000	0.0797	2.06
73XMVH		0.1040	-0.0216	-0.52	0.1225	0.0022	0.06
9XF2YF		0.0950	-0.0306	-0.73	0.0950	-0.0253	-0.65
CVVJ97	M	0.1900	0.0644	1.55	No data reported for this sample		
D476UE		0.0910	-0.0346	-0.83	0.0905	-0.0298	-0.77
FMRHL9		0.2200	0.0944	2.26	0.2050	0.0847	2.19
GFRHL8		0.1300	0.0044	0.11	0.1300	0.0097	0.25
HMJDYV		0.0950	-0.0306	-0.73	0.1050	-0.0153	-0.39
JD9BDV		0.1150	-0.0106	-0.25	0.1055	-0.0148	-0.38
JVT2B9	M	0.1000	-0.0256	-0.61	No data reported for this sample		
LWEPKZ		0.1000	-0.0256	-0.61	0.0950	-0.0253	-0.65
PAVJPN		0.0750	-0.0506	-1.21	0.1050	-0.0153	-0.39
Q2B3AK		0.1300	0.0044	0.11	0.1100	-0.0103	-0.27
QZZZNL	*	0.1825	0.0569	1.37	0.1165	-0.0038	-0.10
X32EAR		0.1700	0.0444	1.07	0.1700	0.0497	1.29
Z3UAMD		0.1250	-0.0006	-0.01	0.1200	-0.0003	-0.01
ZP686L		0.0935	-0.0321	-0.77	0.0935	-0.0268	-0.69
ZQL4WL		0.1850	0.0594	1.43	0.1750	0.0547	1.42

Grand Means	Summary Statistics
0.12560 mg/L	0.12027 mg/L
Stnd Dev Btwn Labs	
0.04168 mg/L	0.03868 mg/L
Statistics based on 20 of 22 reporting participants	

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

Comments on Assigned Data Flags for Test #9060

JVT2B9 (M) - Participant did not submit data for sample SA64.

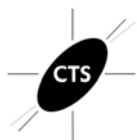
CVVJ97 (M) - Participant did not submit data for sample SA64.



**Analysis 9060
Copper Content**

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA63 <i>Pink Moscato</i>			Sample SA64 <i>Pink Moscato</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method used							0/1
Atomic Absorption Spectroscopy	0.147	0.041	0.0215	0.134	0.041	0.0133	6/6
ICP	0.104	0.011	-0.0220	0.104	0.012	-0.0159	9/9
Other	0.153	0.064	0.0269	0.154	0.045	0.0335	4/4
Colorimetric Analysis	0.088	0.000	-0.0381	0.050	0.000	-0.0703	1/2



ASEV-CTS Wine Industry Interlaboratory Testing Program
Analysis 9061
Potassium Content

Report #082
Spring 2026

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
44EYKN		724.0	-56.8	-0.53	724.0	-61.8	-0.51
4V4XYM		644.8	-136.0	-1.26	652.9	-132.9	-1.10
6F7348		920.0	139.2	1.29	940.0	154.2	1.28
73XMVH		782.0	1.2	0.01	856.0	70.2	0.58
9XF2YF		689.5	-91.3	-0.85	694.5	-91.3	-0.76
CVVJ97		822.0	41.2	0.38	778.0	-7.8	-0.06
D476UE		707.9	-72.9	-0.68	684.7	-101.1	-0.84
FMRHL9		767.0	-13.8	-0.13	799.5	13.7	0.11
GFRHL8		826.0	45.2	0.42	919.0	133.2	1.10
HHNLQY		894.5	113.7	1.05	886.0	100.2	0.83
HMJDYV		712.0	-68.8	-0.64	713.0	-72.8	-0.60
JD9BDV		741.5	-39.3	-0.36	704.1	-81.7	-0.68
JNUEJ9		736.6	-44.3	-0.41	735.2	-50.7	-0.42
LWEPKZ		717.5	-63.3	-0.59	719.0	-66.8	-0.55
MNEPLX	*	1,093.5	312.7	2.90	1,112.5	326.7	2.70
QZZZNL		797.3	16.5	0.15	807.9	22.1	0.18
YCK9ZE		953.5	172.7	1.60	963.0	177.2	1.47
YCPRNG		674.0	-106.8	-0.99	629.0	-156.8	-1.30
Z3UAMD		747.5	-33.3	-0.31	757.0	-28.8	-0.24
ZP686L		755.0	-25.8	-0.24	745.0	-40.8	-0.34
ZQL4WL		690.8	-90.0	-0.83	681.6	-104.2	-0.86

Grand Means		Summary Statistics	
	780.80 mg/L		785.80 mg/L
Std Dev Btwn Labs			
	107.94 mg/L		120.90 mg/L
Statistics based on 21 of 21 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato



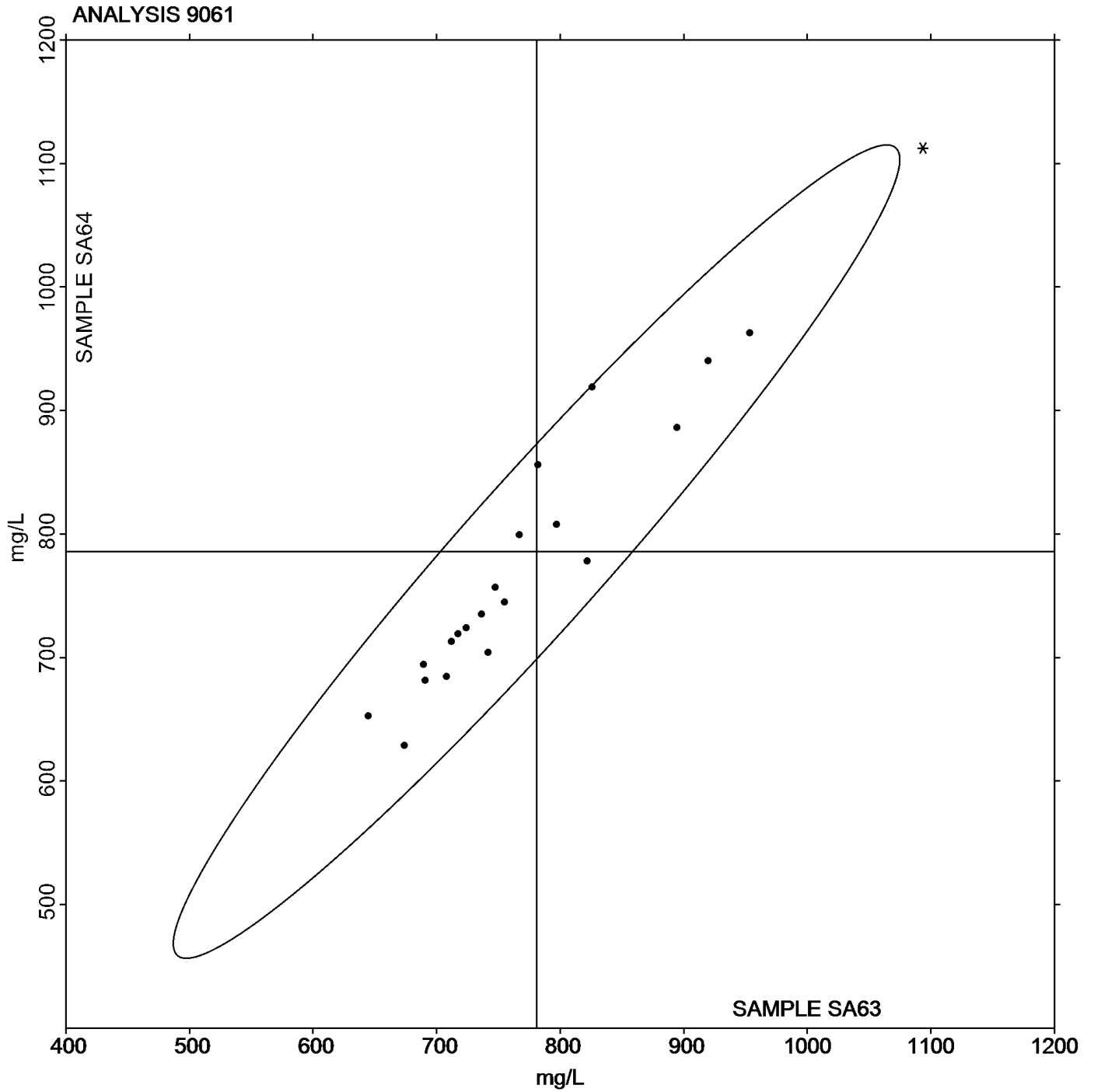
Analysis 9061
Potassium Content

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA63 <i>Pink Moscato</i>			Sample SA64 <i>Pink Moscato</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Atomic Absorption Spectroscopy	748.617	43.912	-32.2	752.017	49.647	-33.8	3/3
ICP	723.299	40.235	-57.5	726.354	57.871	-59.4	9/9
Other	856.960	104.008	76.2	877.920	113.343	92.1	5/5
Colorimetric Analysis	839.125	180.248	58.3	829.750	203.176	43.9	4/4



Analysis 9061
Potassium Content





ASEV-CTS Wine Industry Interlaboratory Testing Program
Analysis 9065
Iron Content

Report #082
Spring 2026

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
4V4XYM		2.126	0.018	0.04	2.149	0.051	0.12
6BXMVJ		2.110	0.002	0.01	2.095	-0.003	-0.01
73XMVH		2.175	0.067	0.16	2.250	0.152	0.35
9XF2YF		1.950	-0.158	-0.37	1.950	-0.148	-0.34
CVVJ97		1.850	-0.258	-0.60	1.950	-0.148	-0.34
D476UE		1.960	-0.148	-0.34	1.892	-0.206	-0.48
GFRHL8		3.000	0.892	2.07	3.000	0.902	2.08
HMJDYV		2.000	-0.108	-0.25	2.000	-0.098	-0.23
JD9BDV		2.227	0.119	0.28	2.125	0.027	0.06
JVT2B9		2.200	0.092	0.21	2.200	0.102	0.24
LWEPKZ		2.000	-0.108	-0.25	2.000	-0.098	-0.23
PAVJPN		2.265	0.157	0.36	2.170	0.072	0.17
QZZZNL		2.657	0.549	1.27	2.676	0.578	1.33
Z3UAMD		2.170	0.062	0.14	2.190	0.092	0.21
ZP686L		2.150	0.042	0.10	2.050	-0.048	-0.11
ZQL4WL	*	0.885	-1.223	-2.84	0.870	-1.228	-2.84

Grand Means		Summary Statistics	
	2.1078 mg/L		2.0979 mg/L
Std Dev Btwn Labs			0.4331 mg/L
	0.4311 mg/L		
Statistics based on 16 of 16 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

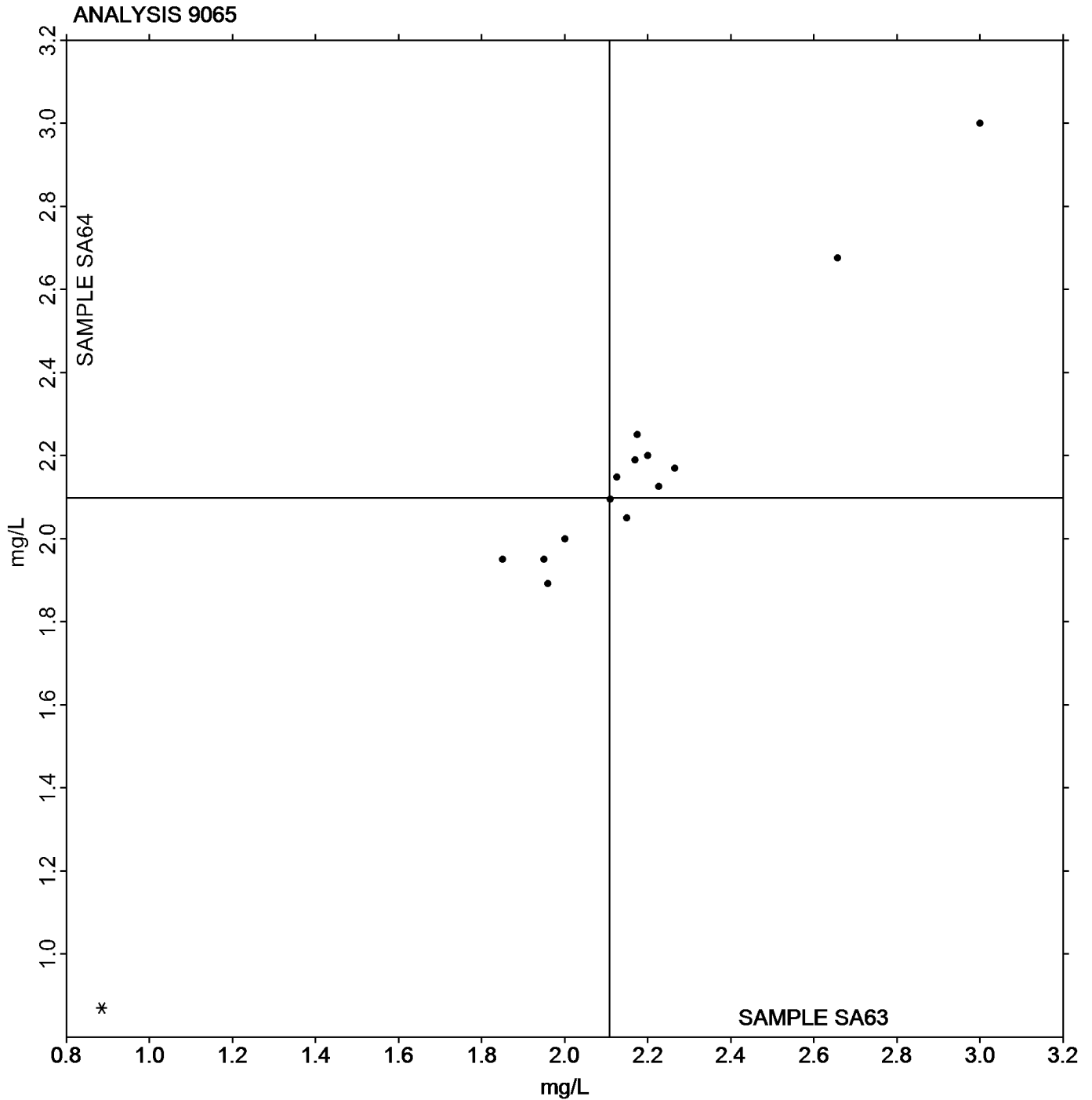
Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA63 <i>Pink Moscato</i>			Sample SA64 <i>Pink Moscato</i>			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method used	2.200	0.000	0.092	2.200	0.000	0.102	1/1
Atomic Absorption Spectroscopy	2.256	0.352	0.148	2.257	0.366	0.159	3/3
ICP	2.095	0.108	-0.013	2.076	0.124	-0.022	8/8
Other	2.050	1.074	-0.058	2.013	1.074	-0.085	3/3
Colorimetric Analysis	1.850	0.000	-0.258	1.950	0.000	-0.148	1/1



Analysis 9065

Iron Content



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

Report #082
Spring 2026

Analysis 9092 A420nm (1cm path)

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2RR9ME	X	0.2050	0.0525	4.51	0.1630	0.0095	0.90
2ZKJXA		0.1555	0.0030	0.26	0.1530	-0.0005	-0.05
44EYKN		0.1540	0.0015	0.13	0.1585	0.0050	0.47
4JVRBF		0.1626	0.0101	0.87	0.1647	0.0112	1.07
4V4XYM		0.1450	-0.0075	-0.65	0.1545	0.0010	0.09
6BXMVJ	*	0.1700	0.0175	1.50	0.1600	0.0065	0.62
73XMVH		0.1520	-0.0005	-0.04	0.1490	-0.0045	-0.43
7C3UBG		0.1500	-0.0025	-0.22	0.1500	-0.0035	-0.34
7VVBYK		0.1440	-0.0085	-0.73	0.1525	-0.0010	-0.10
87BMR9		0.1610	0.0085	0.73	0.1650	0.0115	1.09
89HYAB		0.1275	-0.0250	-2.15	0.1275	-0.0260	-2.48
8ENVTB		0.1655	0.0130	1.11	0.1575	0.0040	0.38
9QVZJ3	X	0.0030	-0.1495	-12.84	0.0030	-0.1505	-14.36
9UW7Y9		0.1505	-0.0020	-0.17	0.1500	-0.0035	-0.34
APF2ZD		0.1700	0.0175	1.50	0.1700	0.0165	1.57
B4Q2AA		0.1500	-0.0025	-0.22	0.1500	-0.0035	-0.34
BWDDB2		0.1580	0.0055	0.47	0.1580	0.0045	0.43
CRW8C7		0.1530	0.0005	0.04	0.1530	-0.0005	-0.05
CVVJ97		0.1580	0.0055	0.47	0.1585	0.0050	0.47
F7MB78		0.1570	0.0045	0.38	0.1550	0.0015	0.14
FMRHL9		0.1665	0.0140	1.20	0.1665	0.0130	1.24
FQ9374	X	0.1500	-0.0025	-0.22	0.1000	-0.0535	-5.11
GFRHL8		0.1718	0.0193	1.65	0.1670	0.0135	1.28
GLTRTY		0.1376	-0.0150	-1.29	0.1455	-0.0081	-0.77
GRYNCY		0.1500	-0.0025	-0.22	0.1515	-0.0020	-0.19
HMJDYV		0.1535	0.0010	0.08	0.1555	0.0020	0.19
JD9BDV		0.1400	-0.0125	-1.07	0.1445	-0.0090	-0.86
JGC7UC	*	0.1180	-0.0345	-2.96	0.1200	-0.0335	-3.20
JVT2B9		0.1460	-0.0065	-0.56	0.1480	-0.0055	-0.53
MNEPLX	X	0.1707	0.0181	1.56	0.1491	-0.0045	-0.43
PAVJPN		0.1570	0.0045	0.38	0.1600	0.0065	0.62
Q36TFY		0.1495	-0.0030	-0.26	0.1550	0.0015	0.14
QQYDWN		0.1565	0.0040	0.34	0.1570	0.0035	0.33
QZZZNL		0.1685	0.0160	1.37	0.1650	0.0115	1.09
UBRTK2	X	0.0835	-0.0691	-5.93	0.0882	-0.0654	-6.24



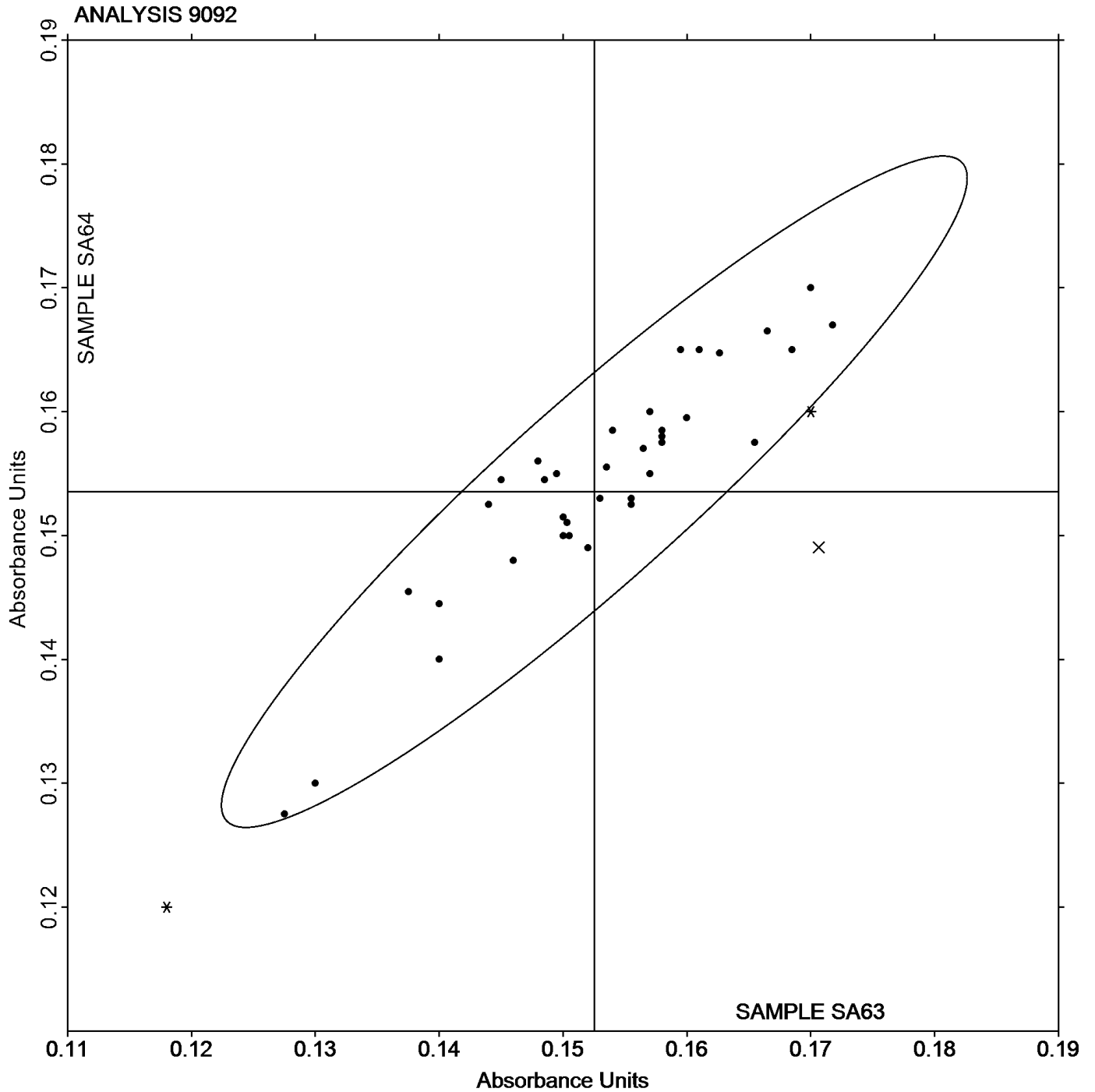
WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
X32EAR		0.1503	-0.0022	-0.19	0.1510	-0.0025	-0.24
XYGMXN		0.1300	-0.0225	-1.93	0.1300	-0.0235	-2.25
YCK9ZE		0.1400	-0.0125	-1.07	0.1400	-0.0135	-1.29
YCPRNG		0.1555	0.0030	0.26	0.1525	-0.0010	-0.10
Z3UAMD		0.1595	0.0070	0.60	0.1650	0.0115	1.09
ZCKUQQ		0.1480	-0.0045	-0.39	0.1560	0.0025	0.23
ZP686L		0.1485	-0.0040	-0.35	0.1545	0.0010	0.09
ZQL4WL		0.1600	0.0075	0.64	0.1595	0.0060	0.57
ZTN38D		0.1580	0.0055	0.47	0.1575	0.0040	0.38

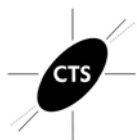
Grand Means		Summary Statistics	
0.15252	Absorbance Units	0.15354	Absorbance Units
Std Dev Btwn Labs		0.01048 Absorbance Units	
0.01165	Absorbance Units		
Statistics based on 39 of 44 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

Comments on Assigned Data Flags for Test #9092

- UBRTK2 (X) - Data for both samples are low.
- FQ9374 (X) - Data for sample SA64 are low.
- MNEPLX (X) - Inconsistent in testing between samples. Inconsistent within the determinations of both samples.
- 2RR9ME (X) - Data for sample SA63 are high.
- 9QVZJ3 (X) - Extreme data.





ASEV-CTS Wine Industry Interlaboratory Testing Program

Report #082
Spring 2026

Analysis 9093 A520nm (1cm path)

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2ZKJXA		0.0935	-0.0010	-0.13	0.0915	-0.0030	-0.49
44EYKN		0.0950	0.0005	0.06	0.0950	0.0005	0.09
4JVRBF	X	0.1302	0.0357	4.64	0.1647	0.0703	11.57
4V4XYM		0.0890	-0.0055	-0.71	0.0910	-0.0035	-0.57
6BXMVJ	X	0.1300	0.0355	4.61	0.1050	0.0105	1.74
73XMVH		0.0900	-0.0045	-0.58	0.0880	-0.0065	-1.06
7C3UBG		0.0900	-0.0045	-0.58	0.0900	-0.0045	-0.73
7VVBYK		0.0875	-0.0070	-0.91	0.0910	-0.0035	-0.57
87BMR9		0.0980	0.0035	0.45	0.1015	0.0070	1.16
89HYAB	X	0.0545	-0.0400	-5.20	0.0540	-0.0405	-6.66
8ENVTB		0.1070	0.0125	1.62	0.0975	0.0030	0.50
9QVZJ3	X	0.0050	-0.0895	-11.63	0.0050	-0.0895	-14.73
9UW7Y9		0.0900	-0.0045	-0.58	0.0900	-0.0045	-0.73
APF2ZD		0.1100	0.0155	2.01	0.1100	0.0155	2.56
B4Q2AA		0.1100	0.0155	2.01	0.1100	0.0155	2.56
BWDDDB2		0.0950	0.0005	0.06	0.0940	-0.0005	-0.08
CRW8C7		0.0905	-0.0040	-0.52	0.0895	-0.0050	-0.82
CVVJ97		0.0925	-0.0020	-0.26	0.0930	-0.0015	-0.24
F7MB78		0.0915	-0.0030	-0.39	0.0900	-0.0045	-0.73
FMRHL9		0.1020	0.0075	0.97	0.1030	0.0085	1.41
FQ9374	X	0.1000	0.0055	0.71	0.0500	-0.0445	-7.32
GFRHL8		0.1018	0.0073	0.95	0.0977	0.0032	0.53
GLTRTY		0.0791	-0.0154	-2.00	0.0856	-0.0089	-1.47
GRYNCY		0.0930	-0.0015	-0.20	0.0910	-0.0035	-0.57
HMJDYV		0.0915	-0.0030	-0.39	0.0925	-0.0020	-0.32
JD9BDV		0.0840	-0.0105	-1.36	0.0880	-0.0065	-1.06
JGC7UC	X	0.0590	-0.0355	-4.61	0.0610	-0.0335	-5.51
JVT2B9		0.0890	-0.0055	-0.71	0.0910	-0.0035	-0.57
MNEPLX	X	0.1549	0.0604	7.85	0.1311	0.0366	6.03
PAVJPN		0.0950	0.0005	0.06	0.0960	0.0015	0.25
Q36TFY	*	0.1120	0.0175	2.27	0.1025	0.0080	1.32
QQYDWN		0.0975	0.0030	0.39	0.1010	0.0065	1.08
QZZZNL		0.1000	0.0055	0.71	0.0970	0.0025	0.42
UBRTK2	X	0.0484	-0.0462	-6.00	0.0488	-0.0457	-7.52
X32EAR		0.0907	-0.0038	-0.49	0.0870	-0.0075	-1.23



ASEV-CTS Wine Industry Interlaboratory Testing Program
Analysis 9093
A520nm (1cm path)

Report #082
Spring 2026

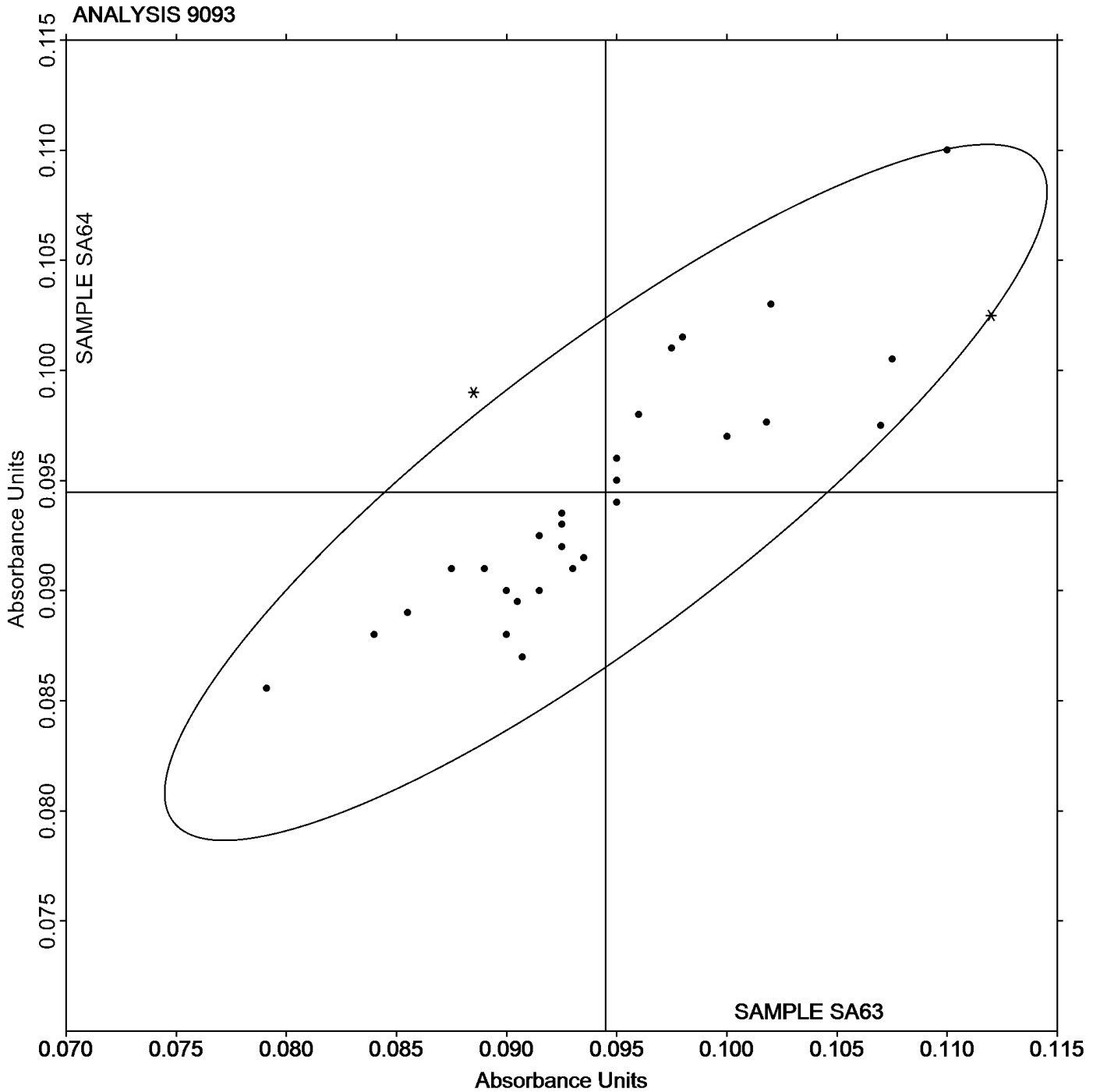
WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
XYGMXN		0.0900	-0.0045	-0.58	0.0900	-0.0045	-0.73
YCK9ZE		0.0900	-0.0045	-0.58	0.0900	-0.0045	-0.73
YCPRNG		0.1075	0.0130	1.69	0.1005	0.0060	0.99
Z3UAMD		0.0960	0.0015	0.19	0.0980	0.0035	0.58
ZCKUQQ		0.0855	-0.0090	-1.17	0.0890	-0.0055	-0.90
ZP686L	*	0.0885	-0.0060	-0.78	0.0990	0.0045	0.75
ZQL4WL		0.0925	-0.0020	-0.26	0.0920	-0.0025	-0.41
ZTN38D		0.0925	-0.0020	-0.26	0.0935	-0.0010	-0.16

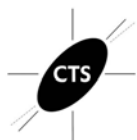
Grand Means		Summary Statistics	
0.09450	Absorbance Units	0.09446	Absorbance Units
Std Dev Btwn Labs			
0.00770	Absorbance Units	0.00607	Absorbance Units
Statistics based on 35 of 43 reporting participants			

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

Comments on Assigned Data Flags for Test #9093

- 4JVRBF (X) - Data for both samples are high. Inconsistent within the determinations of both samples.
- MNEPLX (X) - Data for both samples are high. Inconsistent within the determinations of both samples.
- 89HYAB (X) - Data for both samples are low.
- 9QVZJ3 (X) - Extreme data.
- JGC7UC (X) - Data for both samples are low.
- UBRTK2 (X) - Data for both samples are low.
- 6BXMVJ (X) - Data for sample SA63 are high. Inconsistent within the determinations of sample SA64.
- FQ9374 (X) - Data for sample SA64 are low.





ASEV-CTS Wine Industry Interlaboratory Testing Program
Analysis 9100
Calories

Report #082
Spring 2026

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
4V4XYM		78.00	1.88	0.35	79.00	2.75	0.50
6BXMVJ		78.00	1.88	0.35	77.50	1.25	0.23
73XMVH		78.00	1.88	0.35	78.00	1.75	0.32
APF2ZD	X	50.73	-25.39	-4.69	50.55	-25.70	-4.68
B4VJ89		76.69	0.56	0.10	76.81	0.56	0.10
CVVJ97		79.23	3.11	0.58	80.30	4.06	0.74
D476UE		79.22	3.10	0.57	79.31	3.06	0.56
F7MB78		78.00	1.88	0.35	78.00	1.75	0.32
GFRHL8		69.61	-6.51	-1.20	69.56	-6.69	-1.22
LWEPKZ		77.00	0.88	0.16	77.00	0.75	0.14
QZZZNL		81.70	5.58	1.03	81.50	5.25	0.96
Z3UAMD		61.50	-14.62	-2.70	61.50	-14.75	-2.68
ZP686L		76.50	0.38	0.07	76.50	0.25	0.05

Grand Means	Summary Statistics
76.121 kcal/100ml	76.248 kcal/100ml
Stnd Dev Btw Labs 5.410 kcal/100ml	5.493 kcal/100ml
Statistics based on 12 of 13 reporting participants	

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato

Comments on Assigned Data Flags for Test #9100

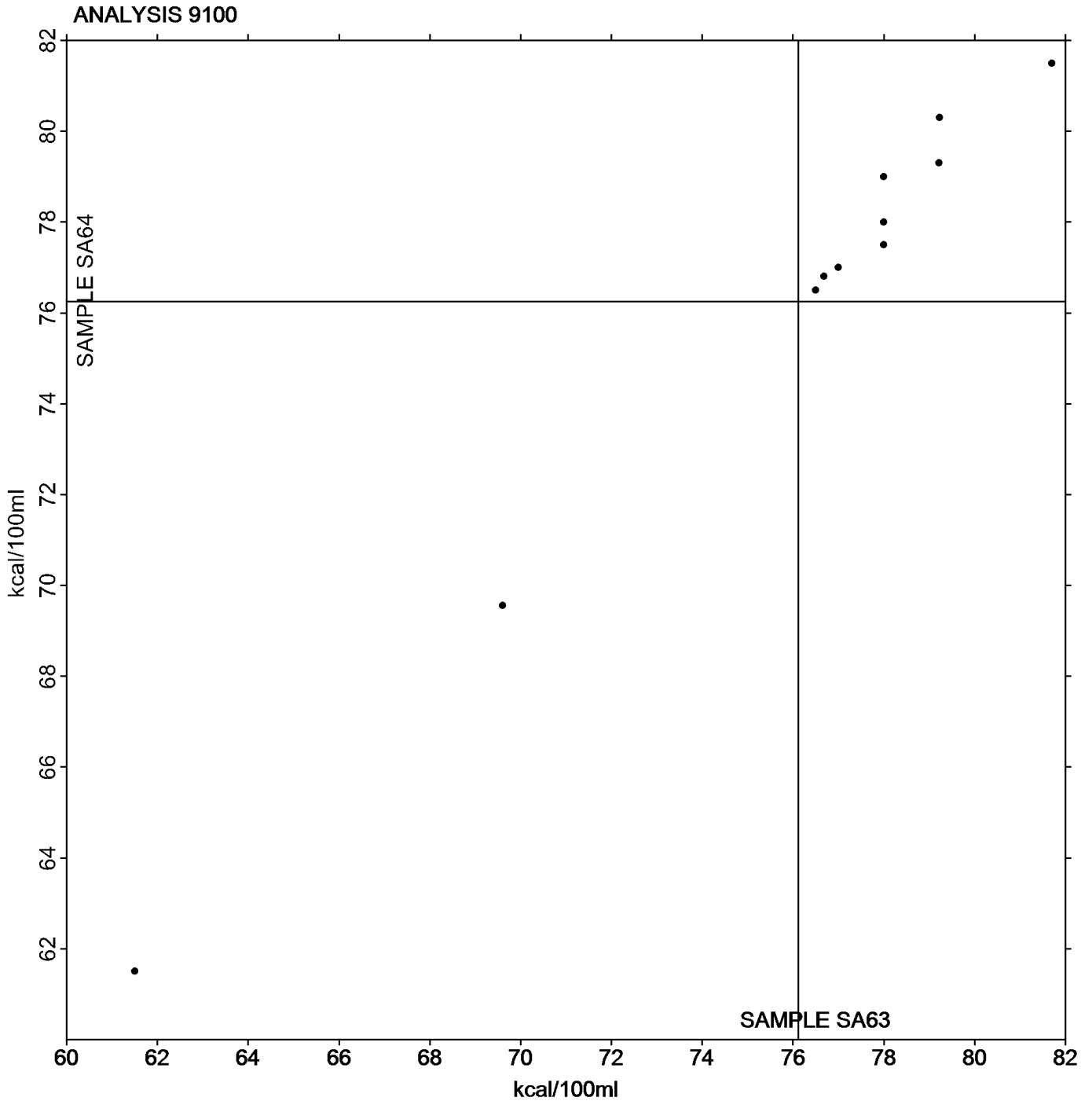
APF2ZD (X) - Data for both samples are low.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA63 <i>Pink Moscato</i>			Sample SA64 <i>Pink Moscato</i>			Labs Incl / Rpt
	Group Mean	Btw Lab STD	Diff from GM	Group Mean	Btw Lab STD	Diff from GM	
Please specify method used							0/1
EU 1169/2011	77.167	0.764	1.05	77.000	0.500	0.75	3/3
AOAC 979.07	75.493	6.663	-0.63	75.747	6.810	-0.50	8/8
Other	78.000	0.000	1.88	78.000	0.000	1.75	1/1



Analysis 9100
Calories



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 9028
Research: Potassium Sorbate as Sorbic Acid

Report #082
Spring 2026

WebCode	Data Flag	Sample SA63			Sample SA64		
		Lab Mean	Diff from Target Value	% Diff from Target Value	Lab Mean	Diff from Target Value	% Diff from Target Value
2RR9ME		194.5	31.8	2.09	186.0	24.4	1.49
44EYKN		168.0	5.3	0.35	172.5	10.9	0.66
4V4XYM		163.0	0.3	0.02	165.5	3.9	0.24
73XMVH		177.0	14.3	0.94	178.5	16.9	1.03
7C3UBG		152.6	-10.1	-0.67	135.6	-26.0	-1.59
89HYAB		172.5	9.8	0.64	173.0	11.4	0.69
9XF2YF		159.0	-3.7	-0.25	150.0	-11.6	-0.71
FQ9374		145.0	-17.7	-1.17	145.0	-16.6	-1.02
GFRHL8		145.5	-17.2	-1.13	140.5	-21.1	-1.29
HHNLQY		138.8	-23.9	-1.57	146.0	-15.7	-0.96
HMJDYV		168.5	5.8	0.38	169.0	7.4	0.45
JD9BDV		163.5	0.8	0.05	165.0	3.4	0.21
PAVJPN		140.0	-22.7	-1.50	138.0	-23.6	-1.44
QQYDWN		168.5	5.8	0.38	170.0	8.4	0.51
QZZZNL		175.0	12.3	0.81	177.0	15.4	0.94
Z3UAMD		172.5	9.8	0.64	174.5	12.9	0.79

Research Property Consensus Value

Consensus Average

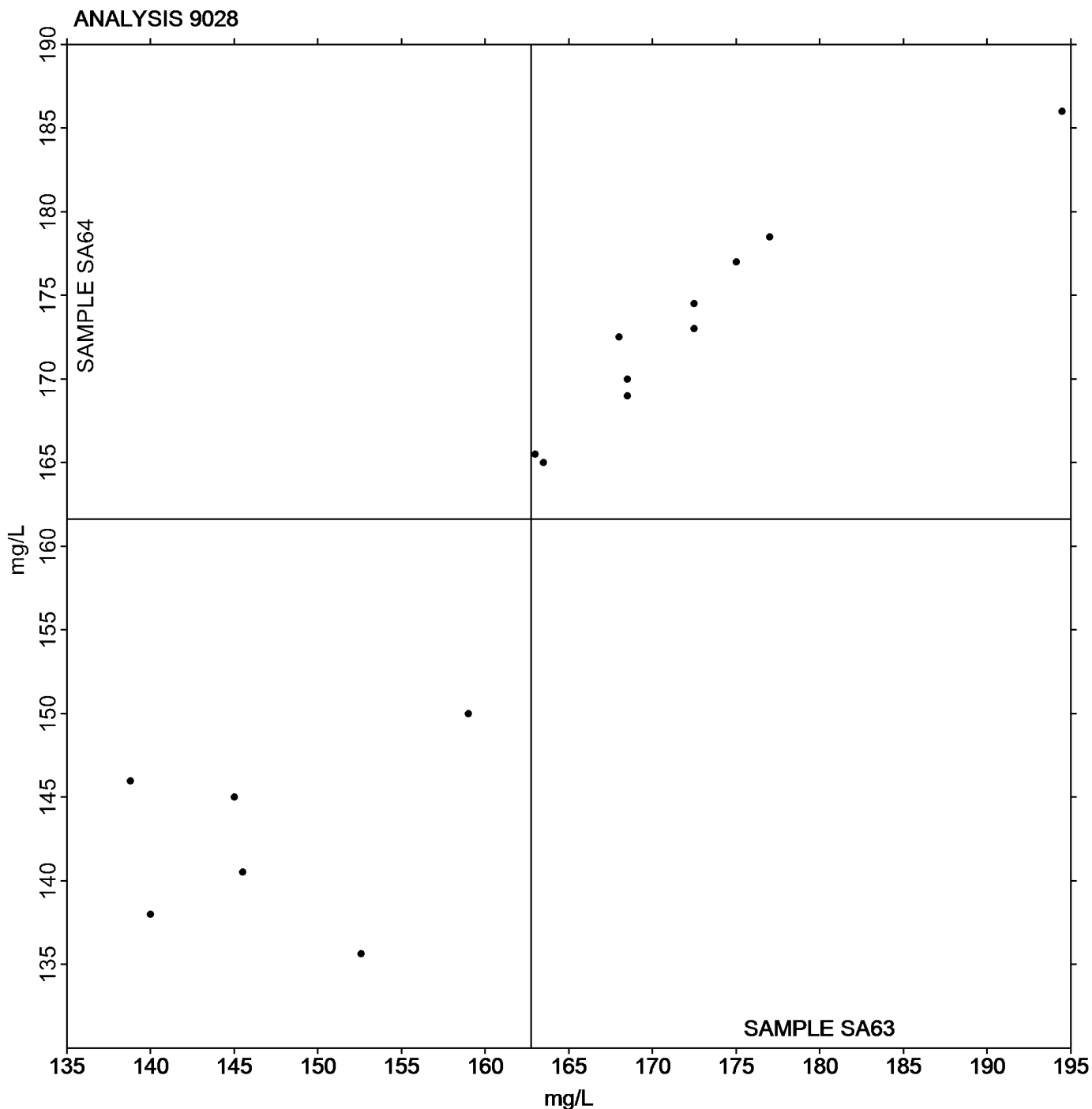
162.74 mg/L

161.63 mg/L

Note: This is a research test. As a result participants should use caution when evaluating data.

This consensus average is based on 16 reporting participants.

Wines tested: SA63: Pink Moscato; SA64: Pink Moscato



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-