Collaborative Testing Services, Inc.

Wine Industry Interlaboratory Program

Summary Report #067 - Spring 2021

Introduction to the Wine Program

Explanation of Tables and Definitions of Terms

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 sectors: including rubber, plastics, fasteners and metals, containerboard, paper, wine and color, 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 80 countries, currently participate in the CTS programs.

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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:

DATA FLAG	STATISTICALLY INCLUDED/EXCLUDED	ACTION REQUIRED
*	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.

WebCode	Data Flag	Sample SA33 Lab Mean	Diff from Grand Mean	CPV	Sample SA34 Lab Mean	Diff from Grand Mean	CPV
2C9GJW		8.905	0.073	1.34	8.925	0.092	1.75
2EFU66	*	8.865	0.033	0.61	8.910	0.077	1.46
2EUGE7		8.840	0.008	0.15	8.840	0.007	0.13
2FQYG8		8.740	-0.092	-1.70	8.770	-0.063	-1.20
2T9NB4		8.840	0.008	0.15	8.840	0.007	0.13
2TVVZA		8.820	-0.012	-0.22	8.820	-0.013	-0.25
486KQ8		8.825	-0.007	-0.13	8.835	0.002	0.04
4XYLDZ		8.835	0.003	0.05	8.825	-0.008	-0.15
62B94A		8.830	-0.002	-0.04	8.835	0.002	0.04
6UCFX2		8.820	-0.012	-0.22	8.825	-0.008	-0.15
73NW62		8.810	-0.022	-0.41	8.810	-0.023	-0.44
77N922		8.770	-0.062	-1.15	8.780	-0.053	-1.01
79TVE7	X	9.215	0.383	7.06	9.175	0.342	6.51
7MTFF4		8.810	-0.022	-0.41	8.810	-0.023	-0.44
7N2MJV		8.825	-0.007	-0.13	8.830	-0.003	-0.06
7PCRUY		8.880	0.048	0.88	8.880	0.047	0.89
7TZ7H9		8.840	0.008	0.15	8.825	-0.008	-0.15
7ZHCG2		8.820	-0.012	-0.22	8.810	-0.023	-0.44
87Z43Y	X	8.490	-0.342	-6.31	8.510	-0.323	-6.15
8F82Q3		8.920	0.088	1.62	8.915	0.082	1.56
8TRJH7	X	8.705	-0.127	-2.34	8.805	-0.028	-0.53
8WTM99		8.815	-0.017	-0.32	8.820	-0.013	-0.25
96PKXW		8.860	0.028	0.51	8.850	0.017	0.32
99MZ96		8.815	-0.017	-0.32	8.805	-0.028	-0.53
9CZ4UZ	X	9.100	0.268	4.94	9.150	0.317	6.03
ARVPX8		8.840	0.008	0.15	8.840	0.007	0.13
B86VMC		8.820	-0.012	-0.22	8.820	-0.013	-0.25
BY84CW	*	8.680	-0.152	-2.81	8.720	-0.113	-2.15
CD4W3W		8.930	0.098	1.81	8.915	0.082	1.56
CLYZ7T		8.795	-0.037	-0.68	8.820	-0.013	-0.25
CMAHPY		8.805	-0.027	-0.50	8.820	-0.013	-0.25
CNMEU3		8.850	0.018	0.33	8.840	0.007	0.13
CZFZWR		8.825	-0.007	-0.13	8.830	-0.003	-0.06
CZWUYM		8.810	-0.022	-0.41	8.810	-0.023	-0.44
D6Q923		8.780	-0.052	-0.96	8.790	-0.043	-0.82

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
D7GA3K		8.860	0.028	0.51	8.890	0.057	1.08
DAXTPZ		8.785	-0.047	-0.87	8.785	-0.048	-0.91
DKJXWY		8.790	-0.042	-0.78	8.770	-0.063	-1.20
E8BE2P		8.860	0.028	0.51	8.840	0.007	0.13
EGC3Q2	*	8.780	-0.052	-0.96	8.740	-0.093	-1.77
EKD978		8.790	-0.042	-0.78	8.795	-0.038	-0.72
EM2J3R		8.850	0.018	0.33	8.840	0.007	0.13
EQ2VYR		8.810	-0.022	-0.41	8.805	-0.028	-0.53
ERFX8L		8.810	-0.022	-0.41	8.830	-0.003	-0.06
EVF94L		8.865	0.033	0.61	8.865	0.032	0.61
EYEK27	M	No data reported for this sample			8.770	-0.063	-1.20
GCVGUZ		8.835	0.003	0.05	8.825	-0.008	-0.15
GDRRTN		8.835	0.003	0.05	8.845	0.012	0.23
GEXE7T		8.770	-0.062	-1.15	8.770	-0.063	-1.20
GKMR6V		8.820	-0.012	-0.22	8.800	-0.033	-0.63
GTZN8G		8.830	-0.002	-0.04	8.805	-0.028	-0.53
GUWY8P		8.930	0.098	1.81	8.930	0.097	1.84
H4W9QK		8.900	0.068	1.25	8.900	0.067	1.27
HDLYCR		8.770	-0.062	-1.15	8.755	-0.078	-1.48
HM9ZPF	*	8.725	-0.107	-1.98	8.775	-0.058	-1.10
HZW3AT		8.850	0.018	0.33	8.840	0.007	0.13
JBT7C3	X	9.100	0.268	4.94	9.100	0.267	5.08
JF6BN3	*	8.670	-0.162	-2.99	8.685	-0.148	-2.82
JJ6MLM		8.825	-0.007	-0.13	8.855	0.022	0.42
JVKEAW		8.825	-0.007	-0.13	8.830	-0.003	-0.06
K4QGAN		8.825	-0.007	-0.13	8.820	-0.013	-0.25
KDTXGK		8.820	-0.012	-0.22	8.815	-0.018	-0.34
KLQN3V		8.770	-0.062	-1.15	8.765	-0.068	-1.29
KM4Z3L	*	8.800	-0.032	-0.59	8.750	-0.083	-1.58
LD9G2H	X	8.650	-0.182	-3.36	8.800	-0.033	-0.63
LJEBXY	X	9.075	0.243	4.48	9.000	0.167	3.18
LP3XQJ		8.800	-0.032	-0.59	8.810	-0.023	-0.44
MHME7J	*	8.900	0.068	1.25	8.850	0.017	0.32
MJDXRH		8.900	0.068	1.25	8.900	0.067	1.27
MLMKRG		8.830	-0.002	-0.04	8.820	-0.013	-0.25

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
NCTUKE		8.830	-0.002	-0.04	8.825	-0.008	-0.15
NRNGNL		8.840	0.008	0.15	8.840	0.007	0.13
P7G7KH		8.800	-0.032	-0.59	8.805	-0.028	-0.53
PGGYQN		8.785	-0.047	-0.87	8.810	-0.023	-0.44
PMMUAN	X	10.500	1.668	30.77	10.400	1.567	29.81
Q8CBDH		8.865	0.033	0.61	8.885	0.052	0.99
QEUJX8		8.890	0.058	1.07	8.875	0.042	0.80
RPJZZE		8.944	0.112	2.07	8.930	0.097	1.84
TN8K7D		8.885	0.053	0.98	8.895	0.062	1.18
TP448E		8.805	-0.027	-0.50	8.805	-0.028	-0.53
U7MCNA	X	8.850	0.018	0.33	8.910	0.077	1.46
UL2HXM		8.980	0.148	2.73	8.960	0.127	2.42
UMAW39	*	8.730	-0.102	-1.88	8.700	-0.133	-2.53
VC3E6B		8.800	-0.032	-0.59	8.800	-0.033	-0.63
VTABNA		8.790	-0.042	-0.78	8.790	-0.043	-0.82
VTETQE		8.925	0.093	1.71	8.915	0.082	1.56
W94HYF	X	8.615	-0.217	-4.00	8.620	-0.213	-4.05
W9M4Q7		8.775	-0.057	-1.05	8.785	-0.048	-0.91
X6WGBN		8.940	0.108	1.99	8.940	0.107	2.03
XFHJV6		8.820	-0.012	-0.22	8.830	-0.003	-0.06
XWLXEJ		8.850	0.018	0.33	8.850	0.017	0.32
YPNQB6		8.800	-0.032	-0.59	8.800	-0.033	-0.63
YRPXB9		8.865	0.033	0.61	8.850	0.017	0.32
YYNFNY		8.860	0.028	0.51	8.870	0.037	0.70
ZBHY36		8.870	0.038	0.70	8.880	0.047	0.89
ZDLPB6		8.900	0.068	1.25	8.910	0.077	1.46
ZXVR64		8.845	0.013	0.24	8.840	0.007	0.13
ZYKDF7		8.880	0.048	0.88	8.885	0.052	0.99

Summary Statistics

Grand Means

8.8321 percent   8.8331 percent

Stnd Dev Btwn Labs

0.0542 percent   0.0526 percent

**Statistics based on 87 of 98 reporting participants**

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #901

87Z43Y (X) - Data for both samples are low. Possible Systematic Error.

LD9G2H (X) - Inconsistent in testing between samples, data for sample SA33 are low. Inconsistent within the determinations of both samples.

U7MCNA (X) - Inconsistent in testing between samples.

9CZ4UZ (X) - Data for both samples are high. Possible Systematic Error.

W94HYF (X) - Data for both samples are low. Possible Systematic Error.

79TVE7 (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of sample SA34.

8TRJH7 (X) - Inconsistent in testing between samples and inconsistent within the determinations of both samples.

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

JBT7C3 (X) - Data for both samples are high. Possible Systematic Error.

EYEK27 (M) - Participant did not submit data for sample SA33.

LJEBXY (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of sample SA33.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA33 *Pink Moscato* Group Mean	Btwn Lab STD	Diff from GM	Sample SA34 *Pink Moscato* Group Mean	Btwn Lab STD	Diff from GM	Labs Incl / Rpt
Ebulliometer Method	8.800	0.000	-0.032	8.750	0.000	-0.083	1/6
Gas Chromatography Method	8.856	0.105	0.024	8.865	0.084	0.032	3/4
Near Infrared Method	8.832	0.048	0.000	8.834	0.044	0.001	65/68
Dist. / Density Method	8.853	0.056	0.021	8.854	0.067	0.021	8/10
Dichromate Method	8.670	0.000	-0.162	8.685	0.000	-0.148	1/1
FTIR	8.818	0.065	-0.014	8.813	0.074	-0.020	6/6
Other _____	8.815	0.039	-0.017	8.805	0.035	-0.028	3/3
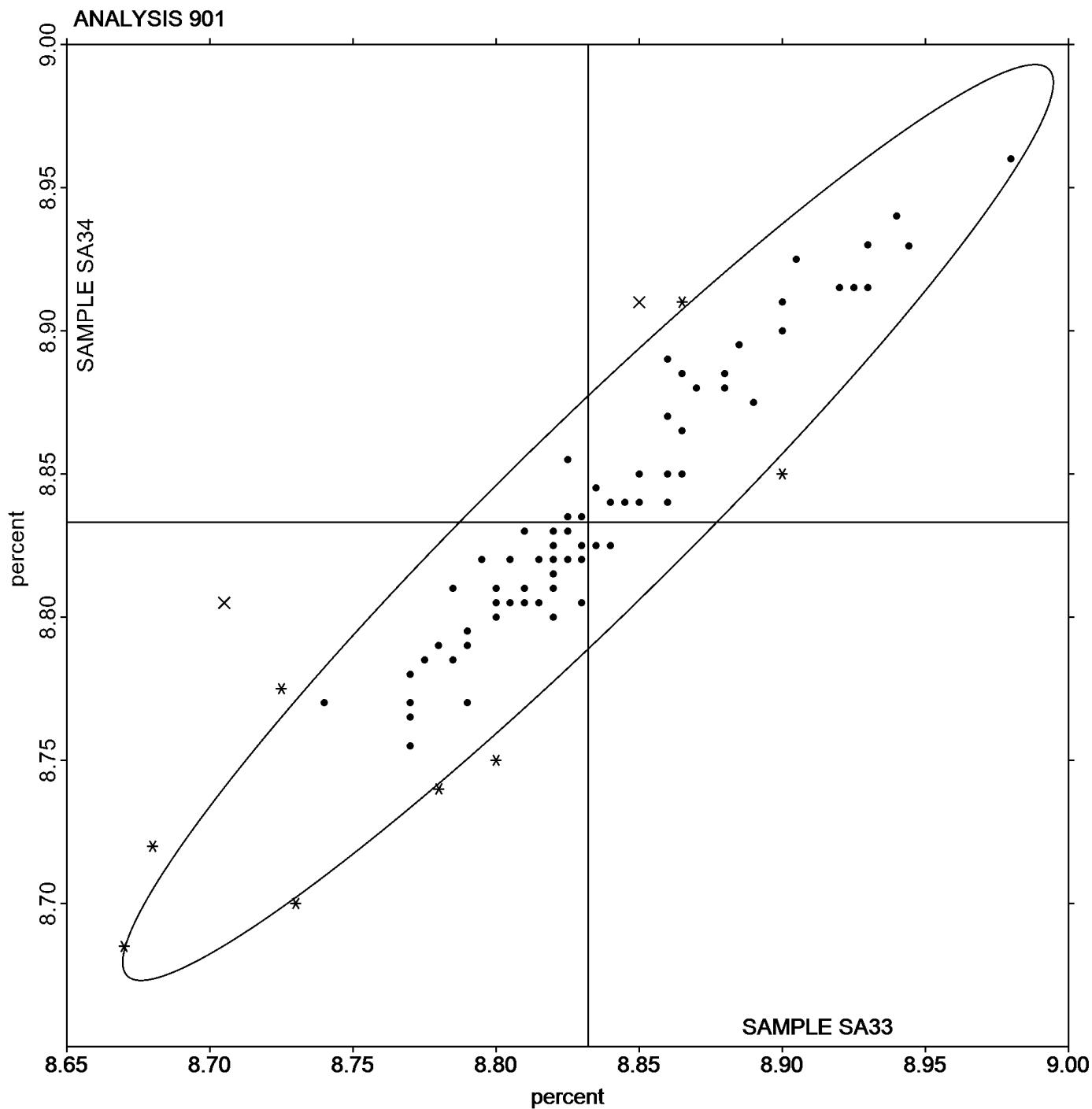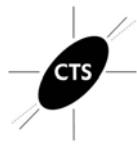
WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2C9GJW	*	100.0	-27.3	-2.95	101.5	-25.0	-2.82
2EFU66		127.5	0.2	0.02	130.0	3.5	0.40
2EUGE7		132.0	4.7	0.50	133.0	6.5	0.74
2FQYG8		115.7	-11.6	-1.26	119.5	-7.0	-0.79
2T9NB4		113.0	-14.3	-1.55	110.5	-16.0	-1.80
2TVVZA		129.6	2.3	0.24	131.7	5.2	0.59
486KQ8		125.0	-2.3	-0.25	124.0	-2.5	-0.28
4XYLDZ		121.0	-6.3	-0.68	123.5	-3.0	-0.34
62B94A		133.0	5.7	0.61	131.5	5.0	0.57
6UCFX2		133.0	5.7	0.61	130.0	3.5	0.40
79TVE7	X	95.0	-32.3	-3.49	95.5	-31.0	-3.50
7MTFF4	*	104.1	-23.2	-2.51	106.1	-20.4	-2.30
7N2MJV		125.5	-1.8	-0.20	126.5	0.0	0.00
7PCRUY		139.5	12.2	1.31	134.0	7.5	0.85
7TZ7H9		123.5	-3.8	-0.41	124.0	-2.5	-0.28
7ZHCG2		142.2	14.9	1.60	136.3	9.8	1.11
87Z43Y		110.5	-16.8	-1.82	112.5	-14.0	-1.58
8F82Q3		135.0	7.7	0.83	130.5	4.0	0.45
8TRJH7		127.7	0.3	0.03	132.0	5.5	0.62
8WTM99		129.5	2.2	0.23	125.5	-1.0	-0.11
96PKXW		123.0	-4.3	-0.47	124.0	-2.5	-0.28
99MZ96		134.5	7.2	0.77	132.0	5.5	0.62
9CZ4UZ		124.2	-3.1	-0.34	124.2	-2.3	-0.26
ARVPX8		119.0	-8.3	-0.90	119.0	-7.5	-0.84
B86VMC	X	160.0	32.7	3.52	164.0	37.5	4.24
BY84CW		149.1	21.7	2.34	147.5	21.0	2.37
CD4W3W		132.5	5.2	0.56	132.0	5.5	0.62
CLYZ7T		125.0	-2.3	-0.25	119.5	-7.0	-0.79
CMAHPY		137.5	10.2	1.10	138.0	11.5	1.30
CNMEU3		139.0	11.7	1.26	134.0	7.5	0.85
CZFZWR		126.5	-0.8	-0.09	129.5	3.0	0.34
CZWUYM		145.5	18.2	1.96	141.5	15.0	1.70
D6Q923		119.7	-7.6	-0.82	114.8	-11.7	-1.32
D7GA3K		127.0	-0.3	-0.04	126.5	0.0	0.00
DAXTPZ		133.0	5.7	0.61	132.5	6.0	0.68

| WebCode | Data Flag | Sample SA33 | | | Sample SA34 | | |
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
DKJXWY		126.0	-1.3	-0.14	127.5	1.0	0.12
E8BE2P		124.5	-2.8	-0.31	123.0	-3.5	-0.39
EGC3Q2		142.0	14.7	1.58	141.0	14.5	1.64
EKD978	*	147.0	19.7	2.12	148.5	22.0	2.49
EM2J3R		122.0	-5.3	-0.58	122.5	-4.0	-0.45
EQ2VYR		126.5	-0.8	-0.09	126.0	-0.5	-0.05
ERFX8L		129.5	2.2	0.23	128.5	2.0	0.23
EVF94L		130.0	2.7	0.29	132.0	5.5	0.62
EYEK27	M	No data reported for this sample			191.0	64.5	7.29
GCVGUZ	X	112.7	-14.7	-1.58	121.6	-4.9	-0.56
GDRRTN		127.0	-0.3	-0.04	127.5	1.0	0.12
GEXE7T		126.0	-1.3	-0.14	124.0	-2.5	-0.28
GKMR6V		124.5	-2.8	-0.31	123.0	-3.5	-0.39
GTZN8G		129.5	2.2	0.23	131.5	5.0	0.57
GUWY8P		128.0	0.7	0.07	128.0	1.5	0.17
H4W9QK		132.0	4.7	0.50	131.5	5.0	0.57
HM9ZPF		122.5	-4.8	-0.52	119.0	-7.5	-0.84
HZW3AT	*	124.0	-3.3	-0.36	130.0	3.5	0.40
JBT7C3		124.0	-3.3	-0.36	122.0	-4.5	-0.51
JF6BN3		109.0	-18.3	-1.98	106.0	-20.5	-2.31
JJ6MLM		129.5	2.2	0.23	127.5	1.0	0.12
JRHD8E		121.5	-5.8	-0.63	119.5	-7.0	-0.79
JVKEAW		132.0	4.7	0.50	130.5	4.0	0.45
K4QGAN	*	117.5	-9.8	-1.06	110.0	-16.5	-1.86
KDTXGK		130.5	3.2	0.34	130.5	4.0	0.45
KH8BLE		125.0	-2.3	-0.25	120.0	-6.5	-0.73
KLQN3V		130.5	3.2	0.34	128.0	1.5	0.17
LD9G2H	X	111.5	-15.8	-1.71	126.0	-0.5	-0.05
LJEBXY		143.2	15.9	1.71	140.8	14.3	1.62
LP3XQJ		128.0	0.7	0.07	127.0	0.5	0.06
MHME7J		141.0	13.7	1.47	141.0	14.5	1.64
MJDXRH		123.1	-4.3	-0.46	119.8	-6.6	-0.75
MLMKRG		111.0	-16.3	-1.76	109.5	-17.0	-1.92
NCTUKE		112.0	-15.3	-1.65	113.0	-13.5	-1.52
NRNGNL		126.0	-1.3	-0.14	123.0	-3.5	-0.39

| WebCode | Data Flag | Sample SA33 | | | Sample SA34 | | |
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
P7G7KH		128.5	1.2	0.13	129.5	3.0	0.34
PGGYQN		118.5	-8.8	-0.95	116.5	-10.0	-1.13
QEUJX8		131.0	3.7	0.40	130.0	3.5	0.40
RPJZZE		120.3	-7.0	-0.76	119.5	-6.9	-0.78
TN8K7D		131.0	3.7	0.40	128.5	2.0	0.23
TP448E		132.4	5.1	0.55	129.2	2.7	0.30
TZZ2YK	X	101.4	-26.0	-2.80	97.2	-29.3	-3.31
U4UHPJ		121.0	-6.3	-0.68	122.5	-4.0	-0.45
U7MCNA		120.0	-7.3	-0.79	122.5	-4.0	-0.45
UL2HXM		128.0	0.7	0.07	128.0	1.5	0.17
UMAW39		127.0	-0.3	-0.04	128.5	2.0	0.23
VC3E6B		127.5	0.2	0.02	131.0	4.5	0.51
VTABNA		130.5	3.2	0.34	128.0	1.5	0.17
VTETQE		124.0	-3.3	-0.36	123.5	-3.0	-0.34
W94HYF		131.5	4.2	0.45	133.0	6.5	0.74
W9M4Q7		123.5	-3.8	-0.41	123.0	-3.5	-0.39
X6WGBN		111.4	-15.9	-1.72	112.6	-13.9	-1.57
XFHJV6		144.4	17.1	1.84	141.5	15.0	1.70
XWLXEJ		127.0	-0.3	-0.04	124.0	-2.5	-0.28
YPNQB6		120.5	-6.8	-0.74	117.0	-9.5	-1.07
YRPXB9		125.5	-1.8	-0.20	128.5	2.0	0.23
YYNFNY		133.0	5.7	0.61	132.5	6.0	0.68
ZBHY36		119.0	-8.3	-0.90	123.5	-3.0	-0.34
ZDLPB6	*	149.5	22.2	2.39	144.5	18.0	2.04
ZXVR64	*	136.5	9.2	0.99	127.0	0.5	0.06
ZYKDF7		131.5	4.2	0.45	129.5	3.0	0.34

Summary Statistics

Grand Means	127.34 mg/L	126.48 mg/L
Stnd Dev Btwn Labs	9.27 mg/L	8.85 mg/L

Statistics based on 90 of 96 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #902

LD9G2H (X) -   Inconsistent in testing between samples and inconsistent within the determinations of sample SA33.

GCVGUZ (X) -   Inconsistent in testing between samples.

79TVE7 (X) -   Data for both samples are low. Possible Systematic Error.

TZZ2YK (X) -   Data for both samples are low. Possible Systematic Error.

EYEK27 (M) -   Participant did not submit data for sample SA33.

B86VMC (X) -   Data for both samples are high. Possible Systematic Error.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA33 *Pink Moscato*			Sample SA34 *Pink Moscato*			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method used	127.000	0.000	-0.3	127.500	0.000	1.0	1/1
Ripper Method	126.232	8.507	-1.1	124.864	8.301	-1.6	37/39
Aeration Oxidation (AO) Method	126.400	4.159	-0.9	125.868	4.986	-0.6	13/15
Segemented Flow Analyzer	126.738	10.565	-0.6	126.894	9.673	0.4	8/8
Enzymatic Method	130.000	5.583	2.7	128.875	3.728	2.4	4/6
Colormetric Analyzer	130.810	12.239	3.5	130.607	11.514	4.1	15/15
FTIR	137.125	12.106	9.8	135.875	8.380	9.4	4/4
Flow Injection Analysis	121.892	8.713	-5.4	120.742	7.899	-5.7	8/8
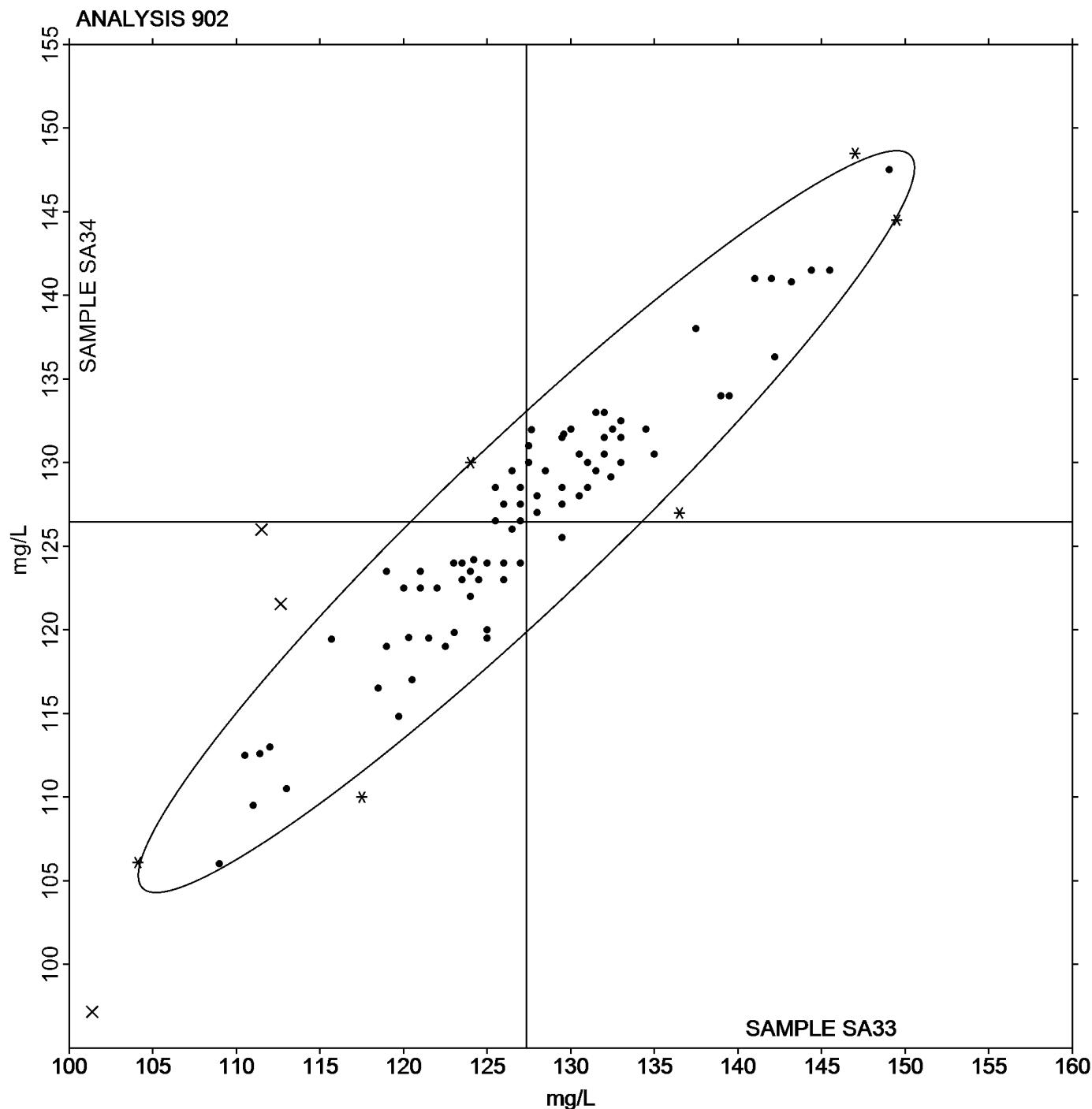
ANALYSIS 902

SAMPLE SA34

mg/L

SAMPLE SA33

mg/L

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2C9GJW		31.50	2.67	0.96	30.50	2.30	0.80
2EFU66		29.50	0.67	0.24	28.50	0.30	0.10
2EUGE7		30.00	1.17	0.42	29.50	1.30	0.45
2FQYG8		32.14	3.31	1.19	31.88	3.67	1.28
2T9NB4		26.50	-2.33	-0.84	25.00	-3.20	-1.12
2TVVZA		29.85	1.02	0.37	26.30	-1.90	-0.67
486KQ8		26.00	-2.83	-1.02	26.00	-2.20	-0.77
4XYLDZ		30.00	1.17	0.42	29.00	0.80	0.28
62B94A		27.50	-1.33	-0.48	27.50	-0.70	-0.25
6UCFX2		31.00	2.17	0.78	28.50	0.30	0.10
73NW62	*	30.50	1.67	0.60	26.00	-2.20	-0.77
77N922	X	33.65	4.82	1.74	38.20	10.00	3.50
79TVE7		28.00	-0.83	-0.30	27.00	-1.20	-0.42
7MTFF4		29.20	0.37	0.13	29.25	1.05	0.37
7N2MJV		26.00	-2.83	-1.02	29.00	0.80	0.28
7PCRUY		27.60	-1.23	-0.44	25.65	-2.55	-0.89
7TZ7H9		28.00	-0.83	-0.30	27.00	-1.20	-0.42
7ZHCG2		28.85	0.02	0.01	26.40	-1.80	-0.63
87Z43Y		26.50	-2.33	-0.84	27.50	-0.70	-0.25
8F82Q3		30.00	1.17	0.42	28.00	-0.20	-0.07
8TRJH7		28.80	-0.03	-0.01	29.25	1.05	0.37
8WTM99		26.00	-2.83	-1.02	25.00	-3.20	-1.12
96PKXW		30.00	1.17	0.42	30.00	1.80	0.63
99MZ96	X	27.00	-1.83	-0.66	32.00	3.80	1.33
9CZ4UZ		31.70	2.87	1.03	31.70	3.50	1.22
ARVPX8		23.00	-5.83	-2.10	23.00	-5.20	-1.82
B86VMC		27.00	-1.83	-0.66	27.00	-1.20	-0.42
BY84CW		32.00	3.17	1.14	29.50	1.30	0.45
CD4W3W		33.50	4.67	1.68	33.50	5.30	1.85
CLYZ7T	*	30.00	1.17	0.42	25.00	-3.20	-1.12
CMAHPY		30.00	1.17	0.42	30.50	2.30	0.80
CNMEU3		29.00	0.17	0.06	29.00	0.80	0.28
CZFZWR		26.00	-2.83	-1.02	25.00	-3.20	-1.12
CZWUYM		30.50	1.67	0.60	29.50	1.30	0.45
D6Q923		25.33	-3.50	-1.26	24.70	-3.51	-1.23

		Sample SA33			Sample SA34		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
D7GA3K		30.50	1.67	0.60	29.50	1.30	0.45
DAXTPZ		23.95	-4.88	-1.76	24.20	-4.00	-1.40
DKJXWY		25.00	-3.83	-1.38	24.50	-3.70	-1.30
E8BE2P		28.00	-0.83	-0.30	27.00	-1.20	-0.42
EGC3Q2		28.00	-0.83	-0.30	28.00	-0.20	-0.07
EKD978		26.00	-2.83	-1.02	26.50	-1.70	-0.60
EM2J3R		30.50	1.67	0.60	29.00	0.80	0.28
EQ2VYR		30.00	1.17	0.42	26.00	-2.20	-0.77
ERFX8L		29.00	0.17	0.06	30.00	1.80	0.63
EVF94L		29.00	0.17	0.06	29.00	0.80	0.28
EYEK27	M	No data reported for this sample			31.00	2.80	0.98
GCVGUZ	X	23.40	-5.43	-1.96	27.30	-0.90	-0.32
GDRRTN		31.50	2.67	0.96	31.50	3.30	1.15
GEXE7T		30.50	1.67	0.60	30.50	2.30	0.80
GKMR6V		28.50	-0.33	-0.12	27.50	-0.70	-0.25
GTZN8G		30.00	1.17	0.42	29.00	0.80	0.28
GUWY8P		32.00	3.17	1.14	30.00	1.80	0.63
H4W9QK		30.00	1.17	0.42	31.00	2.80	0.98
HDLYCR		35.50	6.67	2.40	35.00	6.80	2.38
HM9ZPF		27.50	-1.33	-0.48	27.50	-0.70	-0.25
HZW3AT	*	29.00	0.17	0.06	32.00	3.80	1.33
JBT7C3		28.00	-0.83	-0.30	29.00	0.80	0.28
JF6BN3		24.10	-4.73	-1.70	22.90	-5.30	-1.86
JJ6MLM		28.50	-0.33	-0.12	27.50	-0.70	-0.25
JVKEAW		30.50	1.67	0.60	30.00	1.80	0.63
K4QGAN	X	26.00	-2.83	-1.02	21.00	-7.20	-2.52
KDTXGK		32.00	3.17	1.14	31.00	2.80	0.98
KH8BLE		28.00	-0.83	-0.30	29.50	1.30	0.45
KLQN3V		32.00	3.17	1.14	28.50	0.30	0.10
KM4Z3L		35.00	6.17	2.22	35.00	6.80	2.38
LD9G2H		28.50	-0.33	-0.12	31.00	2.80	0.98
LJEBXY		32.63	3.79	1.37	32.00	3.80	1.33
LP3XQJ		31.00	2.17	0.78	31.00	2.80	0.98
MHME7J		32.00	3.17	1.14	31.00	2.80	0.98
MJDXRH		32.10	3.27	1.18	32.10	3.90	1.36

| WebCode | Data Flag | Sample SA33 | | | Sample SA34 | | |
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
MLMKRG		31.00	2.17	0.78	28.00	-0.20	-0.07
NCTUKE	*	21.00	-7.83	-2.82	22.00	-6.20	-2.17
NRNGNL		30.00	1.17	0.42	28.00	-0.20	-0.07
P7G7KH		30.50	1.67	0.60	29.00	0.80	0.28
PGGYQN		27.00	-1.83	-0.66	27.50	-0.70	-0.25
PMMUAN	X	27.20	-1.63	-0.59	20.40	-7.80	-2.73
Q8CBDH	*	23.00	-5.83	-2.10	20.00	-8.20	-2.87
QEUJX8		29.00	0.17	0.06	29.00	0.80	0.28
RPJZZE		24.62	-4.22	-1.52	24.59	-3.62	-1.27
TN8K7D		30.00	1.17	0.42	29.00	0.80	0.28
TP448E		32.00	3.17	1.14	31.75	3.55	1.24
TZZ2YK		26.84	-2.00	-0.72	24.35	-3.85	-1.35
U4UHPJ		24.00	-4.83	-1.74	24.00	-4.20	-1.47
U7MCNA		28.00	-0.83	-0.30	30.00	1.80	0.63
UL2HXM		31.00	2.17	0.78	28.00	-0.20	-0.07
UMAW39		31.50	2.67	0.96	31.50	3.30	1.15
VC3E6B		29.50	0.67	0.24	28.50	0.30	0.10
VTABNA		30.00	1.17	0.42	29.00	0.80	0.28
VTETQE		26.00	-2.83	-1.02	26.00	-2.20	-0.77
W94HYF		27.00	-1.83	-0.66	27.00	-1.20	-0.42
W9M4Q7		28.00	-0.83	-0.30	28.00	-0.20	-0.07
X6WGBN		26.30	-2.53	-0.91	26.70	-1.50	-0.53
XFHJV6		26.90	-1.93	-0.70	25.25	-2.95	-1.03
XWLXEJ		31.00	2.17	0.78	32.00	3.80	1.33
YPNQB6	*	28.50	-0.33	-0.12	24.00	-4.20	-1.47
YRPXB9		24.00	-4.83	-1.74	25.00	-3.20	-1.12
YYNFNY		29.50	0.67	0.24	30.00	1.80	0.63
ZBHY36		29.00	0.17	0.06	29.00	0.80	0.28
ZDLPB6		33.00	4.17	1.50	32.00	3.80	1.33
ZXVR64		29.00	0.17	0.06	29.50	1.30	0.45
ZYKDF7	*	21.50	-7.33	-2.64	21.50	-6.70	-2.35

| Summary Statistics	
Grand Means	
28.830 mg/L	28.205 mg/L
Stnd Dev Btwn Labs	
2.776 mg/L	2.857 mg/L
	Statistics based on 95 of 101 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #903

K4QGAN (X) - Inconsistent in testing between samples.

77N922 (X) - Inconsistent in testing between samples, data for sample SA34 are high.

GCVGUZ (X) - Inconsistent in testing between samples.

99MZ96 (X) - Inconsistent in testing between samples.

PMMUAN (X) - Inconsistent in testing between samples.

EYEK27 (M) - Participant did not submit data for sample SA33.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA33 Pink Moscato			Sample SA34 Pink Moscato			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method used	31.500	0.000	2.67	31.500	0.000	3.30	1/1
Ripper Method	29.419	2.142	0.59	28.599	2.343	0.39	30/32
Aeration Oxidation (AO) Method	28.558	3.186	-0.27	27.940	3.497	-0.27	29/32
Segmented Flow Analyzer	28.444	4.027	-0.39	27.639	3.090	-0.57	9/9
Enzymatic Method	27.000	1.414	-1.83	26.000	1.414	-2.20	2/3
Colormetric Analyzer	28.273	2.304	-0.56	27.723	2.429	-0.48	11/11
Flow Injection Analysis	28.018	2.036	-0.81	28.254	2.326	0.05	8/8
FTIR	30.300	3.402	1.47	29.600	3.471	1.40	5/5
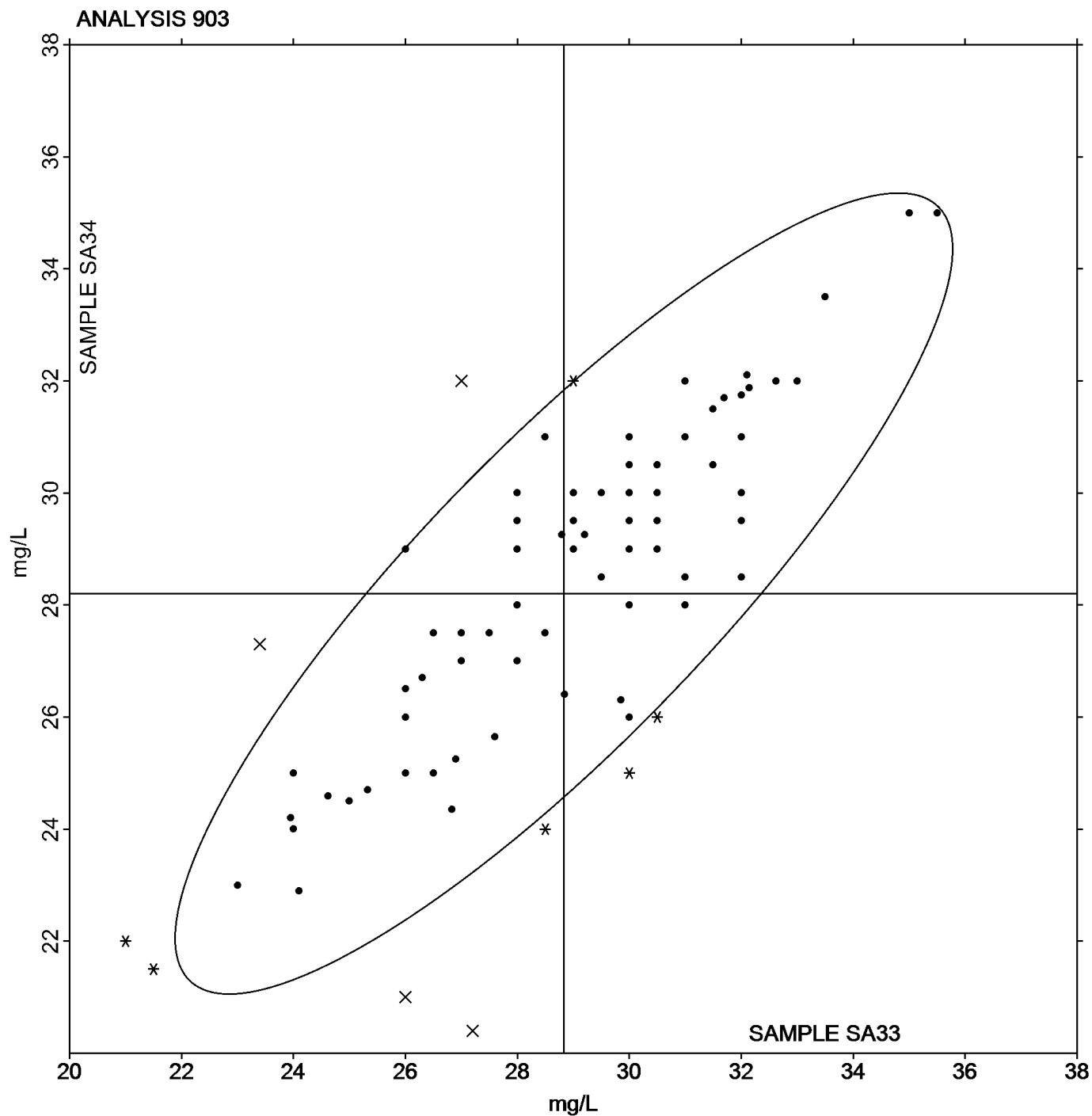
ANALYSIS 903

| WebCode | Data Flag | Sample SA33 | | | Sample SA34 | | |
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2C9GJW		7.200	0.223	0.50	7.255	0.282	0.66
2EFU66		6.630	-0.347	-0.77	6.550	-0.423	-0.99
2EUGE7		7.350	0.373	0.83	7.150	0.177	0.41
2FQYG8		6.450	-0.527	-1.18	6.400	-0.573	-1.34
2T9NB4		7.150	0.173	0.39	7.250	0.277	0.65
2TVVZA		6.820	-0.157	-0.35	6.800	-0.173	-0.41
486KQ8		6.875	-0.102	-0.23	6.895	-0.078	-0.18
4XYLDZ		6.415	-0.562	-1.25	6.335	-0.638	-1.49
62B94A		6.850	-0.127	-0.28	6.750	-0.223	-0.52
6UCFX2		6.700	-0.277	-0.62	6.800	-0.173	-0.41
73NW62	X	6.950	-0.027	-0.06	6.150	-0.823	-1.93
77N922	*	7.730	0.753	1.68	7.850	0.877	2.05
79TVE7		6.950	-0.027	-0.06	7.000	0.027	0.06
7MTFF4		6.915	-0.062	-0.14	6.900	-0.073	-0.17
7N2MJV		6.700	-0.277	-0.62	6.675	-0.298	-0.70
7PCRUY		7.250	0.273	0.61	7.150	0.177	0.41
7TZ7H9		6.470	-0.507	-1.13	6.550	-0.423	-0.99
7ZHCG2		6.600	-0.377	-0.84	6.605	-0.368	-0.86
87Z43Y		7.475	0.498	1.11	7.520	0.547	1.28
8TRJH7		7.440	0.463	1.03	7.560	0.587	1.37
8WTM99		7.400	0.423	0.94	7.400	0.427	1.00
96PKXW		6.600	-0.377	-0.84	6.700	-0.273	-0.64
99MZ96		7.300	0.323	0.72	7.300	0.327	0.77
9CZ4UZ		7.580	0.603	1.35	7.580	0.607	1.42
ARVPX8		6.530	-0.447	-1.00	6.570	-0.403	-0.94
B86VMC		7.400	0.423	0.94	7.300	0.327	0.77
BY84CW	X	8.200	1.223	2.73	7.515	0.542	1.27
CD4W3W		6.800	-0.177	-0.40	6.800	-0.173	-0.41
CLYZ7T		6.460	-0.517	-1.15	6.420	-0.553	-1.30
CMAHPY	X	8.750	1.773	3.96	8.750	1.777	4.16
CNMEU3		6.700	-0.277	-0.62	6.700	-0.273	-0.64
CZFZWR		7.555	0.578	1.29	7.485	0.512	1.20
CZWUYM		6.990	0.013	0.03	7.015	0.042	0.10
D7GA3K		6.800	-0.177	-0.40	6.900	-0.073	-0.17
DAXTPZ		6.585	-0.392	-0.87	6.605	-0.368	-0.86

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
DKJXWY	X	3.385	-3.592	-8.02	3.455	-3.518	-8.24
E8BE2P		6.500	-0.477	-1.06	6.500	-0.473	-1.11
EGC3Q2		6.500	-0.477	-1.06	6.500	-0.473	-1.11
EKD978		6.700	-0.277	-0.62	6.700	-0.273	-0.64
EM2J3R		7.250	0.273	0.61	7.200	0.227	0.53
EQ2VYR		6.935	-0.042	-0.09	6.910	-0.063	-0.15
ERFX8L		6.875	-0.102	-0.23	6.960	-0.013	-0.03
EVF94L		6.600	-0.377	-0.84	6.600	-0.373	-0.87
EYEK27	M	No data reported for this sample			6.600	-0.373	-0.87
GCVGUZ		6.900	-0.077	-0.17	6.950	-0.023	-0.05
GEXE7T		6.790	-0.187	-0.42	6.820	-0.153	-0.36
GKMR6V		6.700	-0.277	-0.62	6.650	-0.323	-0.76
GTZN8G		7.600	0.623	1.39	7.450	0.477	1.12
GUWY8P		6.800	-0.177	-0.40	6.900	-0.073	-0.17
H4W9QK		6.230	-0.747	-1.67	6.250	-0.723	-1.69
HDLYCR		6.650	-0.327	-0.73	6.600	-0.373	-0.87
HM9ZPF		6.665	-0.312	-0.70	6.810	-0.163	-0.38
HZW3AT		6.580	-0.397	-0.89	6.600	-0.373	-0.87
JBT7C3		8.050	1.073	2.39	7.930	0.957	2.24
JF6BN3		6.990	0.013	0.03	6.980	0.007	0.02
JJ6MLM	X	6.880	-0.097	-0.22	7.260	0.287	0.67
JRHD8E		7.750	0.773	1.73	7.700	0.727	1.70
JVKEAW		7.350	0.373	0.83	7.150	0.177	0.41
K4QGAN		7.450	0.473	1.06	7.390	0.417	0.98
KDTXGK		6.850	-0.127	-0.28	7.000	0.027	0.06
KLQN3V		7.750	0.773	1.73	7.650	0.677	1.59
KM4Z3L	*	7.730	0.753	1.68	7.880	0.907	2.12
LD9G2H		6.820	-0.157	-0.35	6.860	-0.113	-0.27
LJEBXY		6.588	-0.390	-0.87	6.575	-0.398	-0.93
LP3XQJ		7.000	0.023	0.05	7.000	0.027	0.06
MHME7J		6.750	-0.227	-0.51	6.700	-0.273	-0.64
MJDXRH		6.450	-0.527	-1.18	6.525	-0.448	-1.05
MLMKRG		6.500	-0.477	-1.06	6.550	-0.423	-0.99
NCTUKE		7.600	0.623	1.39	7.600	0.627	1.47
NRNGNL		6.500	-0.477	-1.06	6.600	-0.373	-0.87

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
P7G7KH		6.720	-0.257	-0.57	6.665	-0.308	-0.72
PGGYQN		6.925	-0.052	-0.12	6.975	0.002	0.00
PMMUAN		6.660	-0.317	-0.71	6.600	-0.373	-0.87
Q8CBDH		7.250	0.273	0.61	7.200	0.227	0.53
QEUJX8		7.000	0.023	0.05	6.850	-0.123	-0.29
RPJZZE		6.560	-0.417	-0.93	6.565	-0.408	-0.96
TN8K7D		7.350	0.373	0.83	7.350	0.377	0.88
TP448E		6.700	-0.277	-0.62	6.770	-0.203	-0.48
TZZ2YK		6.280	-0.697	-1.56	6.275	-0.698	-1.63
U4UHPJ		7.000	0.023	0.05	6.900	-0.073	-0.17
U7MCNA	X	6.000	-0.977	-2.18	5.850	-1.123	-2.63
UL2HXM		6.960	-0.017	-0.04	6.930	-0.043	-0.10
UMAW39		6.520	-0.457	-1.02	6.535	-0.438	-1.03
VC3E6B		6.900	-0.077	-0.17	6.800	-0.173	-0.41
VTABNA	*	8.145	1.168	2.61	7.975	1.002	2.35
VTETQE	X	8.590	1.613	3.60	8.510	1.537	3.60
W94HYF		6.475	-0.502	-1.12	6.530	-0.443	-1.04
W9M4Q7	*	6.800	-0.177	-0.40	7.000	0.027	0.06
X6WGBN		7.100	0.123	0.27	7.100	0.127	0.30
XFHJV6		7.030	0.053	0.12	7.035	0.062	0.14
XWLXEJ		7.400	0.423	0.94	7.200	0.227	0.53
YPNQB6		6.620	-0.357	-0.80	6.670	-0.303	-0.71
YRPXB9		7.050	0.073	0.16	7.050	0.077	0.18
YYNFNY		6.940	-0.037	-0.08	7.015	0.042	0.10
ZBHY36		7.400	0.423	0.94	7.400	0.427	1.00
ZDLPB6		6.795	-0.182	-0.41	6.820	-0.153	-0.36
ZXVR64	*	8.330	1.353	3.02	8.215	1.242	2.91
ZYKDF7		7.950	0.973	2.17	7.900	0.927	2.17

Summary Statistics

Grand Means

6.9770 g/L as tartaric acid   6.9732 g/L as tartaric acid

Stnd Dev Btwn Labs

0.4481 g/L as tartaric acid   0.4270 g/L as tartaric acid

Statistics based on 90 of 98 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #904

BY84CW (X) - Inconsistent in testing between samples and inconsistent within the determinations of sample SA33.

JJ6MLM (X) - Inconsistent in testing between samples.

U7MCNA (X) - Inconsistent in testing between samples.

CMAHPY (X) - Data for both samples are high. Possible Systematic Error.

73NW62 (X) - Inconsistent in testing between samples.

VTETQE (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of sample SA34.

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

EYEK27 (M) - Participant did not submit data for sample SA33.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA33 *Pink Moscato*			Sample SA34 *Pink Moscato*			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method							0/1
Autotitration	7.008	0.475	0.031	6.994	0.448	0.021	58/60
Manual Titration	6.942	0.431	-0.035	6.953	0.424	-0.020	26/29
FTIR	6.781	0.168	-0.196	6.814	0.177	-0.159	5/7
Segmented Flow Analyzer	7.050	0.000	0.073	7.050	0.000	0.077	1/1
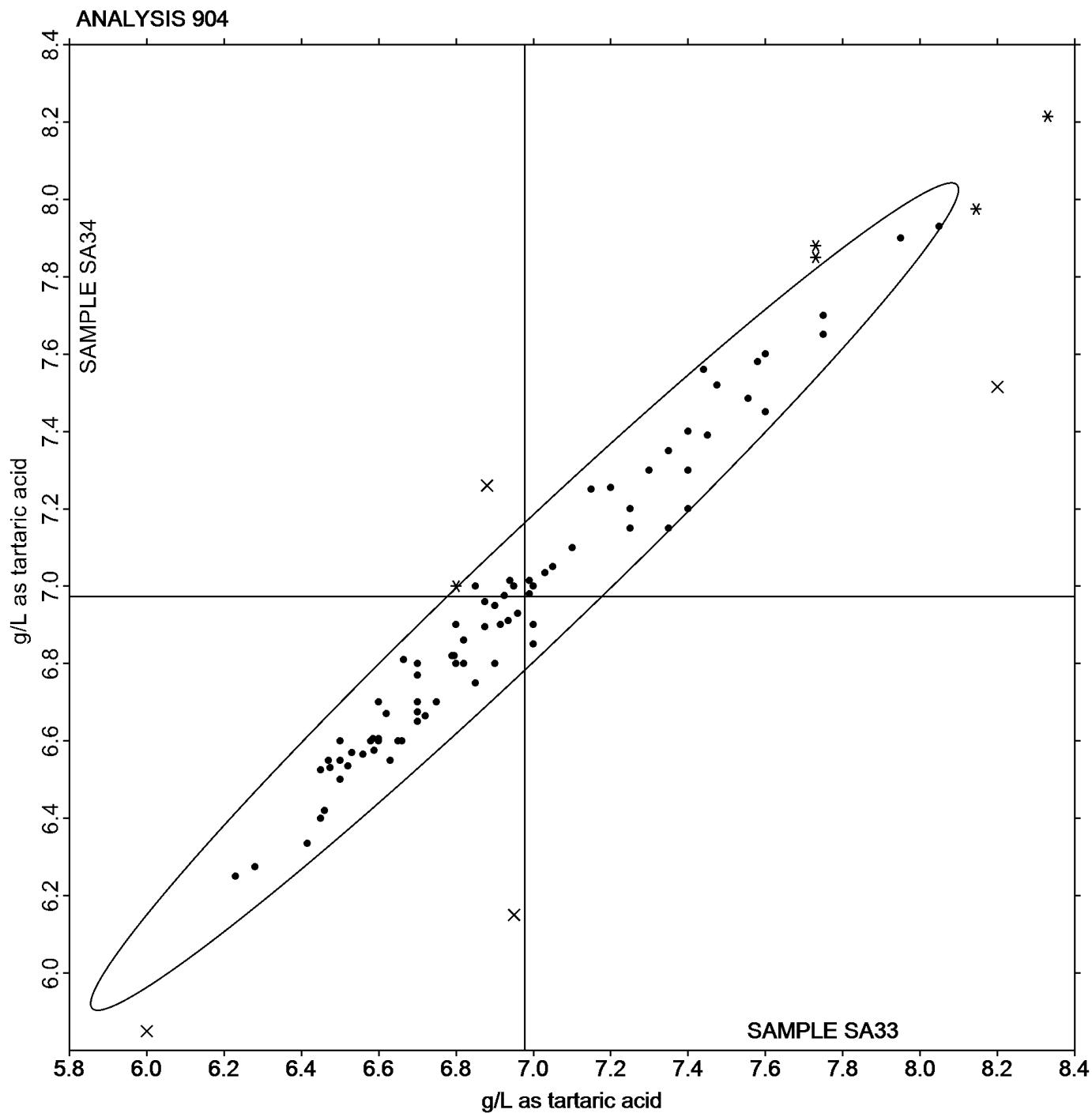
ANALYSIS 904

SAMPLE SA34

g/L as tartaric acid

SAMPLE SA33

g/L as tartaric acid

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2C9GJW		0.3350	0.0740	1.37	0.3350	0.0742	1.36
2EFU66		0.2150	-0.0460	-0.85	0.2150	-0.0458	-0.84
2EUGE7		0.3050	0.0440	0.81	0.3000	0.0392	0.72
2FQYG8		0.2400	-0.0210	-0.39	0.2200	-0.0408	-0.75
2T9NB4	X	0.2350	-0.0260	-0.48	0.2900	0.0292	0.53
2TVVZA		0.2070	-0.0540	-0.99	0.2045	-0.0563	-1.03
486KQ8		0.2450	-0.0160	-0.29	0.2500	-0.0108	-0.20
4XYLDZ		0.2450	-0.0160	-0.29	0.2450	-0.0158	-0.29
62B94A		0.1700	-0.0910	-1.68	0.1700	-0.0908	-1.66
6UCFX2		0.2700	0.0090	0.17	0.2700	0.0092	0.17
73NW62	X	0.2050	-0.0560	-1.03	0.0300	-0.2308	-4.22
77N922		0.2300	-0.0310	-0.57	0.2400	-0.0208	-0.38
79TVE7		0.2850	0.0240	0.44	0.2650	0.0042	0.08
7MTFF4		0.2550	-0.0060	-0.11	0.2450	-0.0158	-0.29
7N2MJV		0.2700	0.0090	0.17	0.2350	-0.0258	-0.47
7PCRUY		0.2100	-0.0510	-0.94	0.2000	-0.0608	-1.11
7TZ7H9		0.2150	-0.0460	-0.85	0.2250	-0.0358	-0.65
7ZHCG2		0.2230	-0.0380	-0.70	0.2210	-0.0398	-0.73
87Z43Y	*	0.2450	-0.0160	-0.29	0.2850	0.0242	0.44
8F82Q3		0.2900	0.0290	0.54	0.3000	0.0392	0.72
8TRJH7		0.3500	0.0890	1.64	0.3450	0.0842	1.54
8WTM99		0.2550	-0.0060	-0.11	0.2500	-0.0108	-0.20
96PKXW		0.2600	-0.0010	-0.02	0.2400	-0.0208	-0.38
99MZ96		0.2450	-0.0160	-0.29	0.2350	-0.0258	-0.47
ARVPX8		0.2400	-0.0210	-0.39	0.2300	-0.0308	-0.56
B86VMC		0.2400	-0.0210	-0.39	0.2400	-0.0208	-0.38
BY84CW		0.2825	0.0215	0.40	0.2845	0.0237	0.43
CD4W3W		0.2200	-0.0410	-0.76	0.2150	-0.0458	-0.84
CLYZ7T		0.2550	-0.0060	-0.11	0.2450	-0.0158	-0.29
CMAHPY		0.2200	-0.0410	-0.76	0.2300	-0.0308	-0.56
CNMEU3		0.2700	0.0090	0.17	0.2600	-0.0008	-0.01
CZFZWR		0.2050	-0.0560	-1.03	0.2000	-0.0608	-1.11
CZWUYM		0.2600	-0.0010	-0.02	0.2700	0.0092	0.17
D6Q923	X	0.2100	-0.0510	-0.94	0.4100	0.1492	2.73
D7GA3K		0.3400	0.0790	1.46	0.3400	0.0792	1.45

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
DAXTPZ		0.2600	-0.0010	-0.02	0.2600	-0.0008	-0.01
DKJXWY		0.2700	0.0090	0.17	0.2800	0.0192	0.35
E8BE2P		0.2900	0.0290	0.54	0.2600	-0.0008	-0.01
EGC3Q2	*	0.2800	0.0190	0.35	0.3200	0.0592	1.08
EKD978		0.2250	-0.0360	-0.66	0.2200	-0.0408	-0.75
EM2J3R		0.3550	0.0940	1.73	0.3750	0.1142	2.09
EQ2VYR		0.2450	-0.0160	-0.29	0.2700	0.0092	0.17
ERFX8L		0.2600	-0.0010	-0.02	0.2650	0.0042	0.08
EVF94L		0.2500	-0.0110	-0.20	0.2650	0.0042	0.08
EYEK27	M	No data reported for this sample			0.4550	0.1942	3.56
GCVGUZ	*	0.3650	0.1040	1.92	0.3350	0.0742	1.36
GDRRTN		0.2000	-0.0610	-1.12	0.1900	-0.0708	-1.30
GEXE7T		0.2800	0.0190	0.35	0.2800	0.0192	0.35
GKMR6V		0.2550	-0.0060	-0.11	0.2600	-0.0008	-0.01
GTZN8G		0.2350	-0.0260	-0.48	0.2300	-0.0308	-0.56
GUWY8P		0.3400	0.0790	1.46	0.3400	0.0792	1.45
H4W9QK		0.3300	0.0690	1.27	0.3250	0.0642	1.18
HDLYCR		0.1550	-0.1060	-1.95	0.1600	-0.1008	-1.84
HM9ZPF	*	0.3795	0.1185	2.19	0.3475	0.0867	1.59
HZW3AT		0.2600	-0.0010	-0.02	0.2500	-0.0108	-0.20
JBT7C3		0.2360	-0.0250	-0.46	0.2350	-0.0258	-0.47
JF6BN3		0.1900	-0.0710	-1.31	0.2000	-0.0608	-1.11
JJ6MLM		0.3150	0.0540	1.00	0.3100	0.0492	0.90
JVKEAW	*	0.3050	0.0440	0.81	0.2650	0.0042	0.08
K4QGAN		0.2000	-0.0610	-1.12	0.1850	-0.0758	-1.39
KDTXGK		0.2600	-0.0010	-0.02	0.2500	-0.0108	-0.20
KLQN3V		0.3600	0.0990	1.83	0.3800	0.1192	2.18
KM4Z3L	X	0.3000	0.0390	0.72	0.4200	0.1592	2.91
LD9G2H		0.3300	0.0690	1.27	0.3300	0.0692	1.27
LP3XQJ		0.2550	-0.0060	-0.11	0.2500	-0.0108	-0.20
MHME7J		0.3700	0.1090	2.01	0.3650	0.1042	1.91
MJDXRH		0.3060	0.0450	0.83	0.3060	0.0452	0.83
MLMKRG		0.2100	-0.0510	-0.94	0.2250	-0.0358	-0.65
NCTUKE	X	0.4400	0.1790	3.30	0.3450	0.0842	1.54
NRNGNL		0.2500	-0.0110	-0.20	0.2500	-0.0108	-0.20

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
P7G7KH		0.2550	-0.0060	-0.11	0.2550	-0.0058	-0.11
PGGYQN		0.2500	-0.0110	-0.20	0.2550	-0.0058	-0.11
Q8CBDH		0.2400	-0.0210	-0.39	0.2400	-0.0208	-0.38
QEUJX8		0.2400	-0.0210	-0.39	0.2450	-0.0158	-0.29
RPJZZE	X	0.5750	0.3140	5.79	0.5700	0.3092	5.66
TN8K7D		0.2950	0.0340	0.63	0.2950	0.0342	0.63
TP448E		0.2350	-0.0260	-0.48	0.2400	-0.0208	-0.38
TZZ2YK		0.1350	-0.1260	-2.32	0.1450	-0.1158	-2.12
U4UHPJ		0.2350	-0.0260	-0.48	0.2150	-0.0458	-0.84
U7MCNA	*	0.1000	-0.1610	-2.97	0.1000	-0.1608	-2.94
UL2HXM	X	0.2500	-0.0110	-0.20	0.3700	0.1092	2.00
UMAW39		0.2550	-0.0060	-0.11	0.2700	0.0092	0.17
VC3E6B	*	0.4150	0.1540	2.84	0.4250	0.1642	3.01
VTABNA		0.2550	-0.0060	-0.11	0.2600	-0.0008	-0.01
VTETQE		0.2050	-0.0560	-1.03	0.2100	-0.0508	-0.93
W94HYF		0.3200	0.0590	1.09	0.3400	0.0792	1.45
W9M4Q7		0.2250	-0.0360	-0.66	0.2450	-0.0158	-0.29
X6WGBN		0.2280	-0.0330	-0.61	0.2170	-0.0438	-0.80
XFHJV6		0.2505	-0.0105	-0.19	0.2510	-0.0098	-0.18
XWLXEJ	X	0.4100	0.1490	2.75	0.3200	0.0592	1.08
YPNQB6	X	0.2800	0.0190	0.35	0.3350	0.0742	1.36
YRPXB9		0.3400	0.0790	1.46	0.3350	0.0742	1.36
YYNFNY		0.2950	0.0340	0.63	0.3250	0.0642	1.18
ZDLPB6		0.2800	0.0190	0.35	0.2700	0.0092	0.17
ZXVR64		0.2500	-0.0110	-0.20	0.2650	0.0042	0.08
ZYKDF7		0.2200	-0.0410	-0.76	0.2300	-0.0308	-0.56

Summary Statistics

Grand Means

0.26096 g/L as acetic acid   0.26077 g/L as acetic acid

Stnd Dev Btwn Labs

0.05424 g/L as acetic acid   0.05463 g/L as acetic acid

Statistics based on 86 of 96 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #905

RPJZZE (X) - Data for both samples are high. Possible Systematic Error.

2T9NB4 (X) - Inconsistent in testing between samples and inconsistent within the determinations of sample SA33.

KM4Z3L (X) - Inconsistent in testing between samples, data for sample SA34 are high.

YPNQB6 (X) - Inconsistent in testing between samples and inconsistent within the determinations of sample SA33.

NCTUKE (X) - Inconsistent in testing between samples, data for sample SA33 are high. Inconsistent within the determinations of sample SA33.

73NW62 (X) - Data for sample SA34 are low. Inconsistent within the determinations of sample SA34.

D6Q923 (X) - Inconsistent in testing between samples.

UL2HXM (X) - Inconsistent in testing between samples.

XWLXEJ (X) - Inconsistent in testing between samples.

EYEK27 (M) - Participant did not submit data for sample SA33.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA33 *Pink Moscato*			Sample SA34 *Pink Moscato*			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method	0.323	0.060	0.0615	0.328	0.011	0.0667	2/2
Cash Still method	0.335	0.041	0.0741	0.338	0.042	0.0770	12/15
Enzymatic method	0.236	0.038	-0.0246	0.236	0.037	-0.0250	54/59
HPLC	0.190	0.000	-0.0710	0.200	0.000	-0.0608	1/1
GC	0.245	0.000	-0.0160	0.285	0.000	0.0242	1/1
Colorimetric Analysis	0.238	0.004	-0.0235	0.230	0.000	-0.0308	2/2
Seg. Flow / Colorimetric Analyzer	0.330	0.042	0.0690	0.328	0.041	0.0667	4/5
FTIR	0.279	0.038	0.0175	0.273	0.042	0.0122	10/11
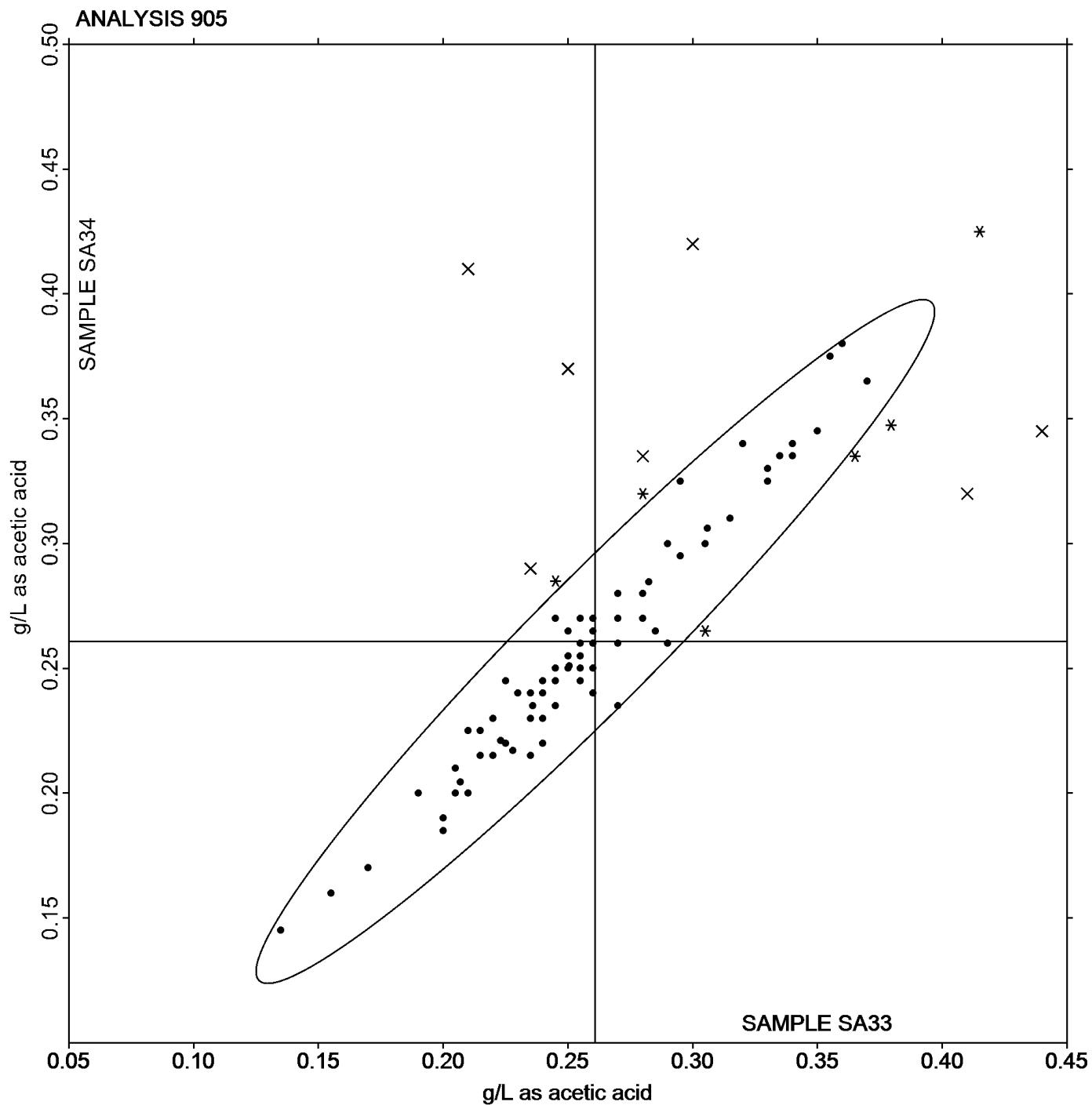
ANALYSIS 905

SAMPLE SA34

g/L as acetic acid

SAMPLE SA33

g/L as acetic acid

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2C9GJW		1.020	0.000	0.19	1.020	0.000	0.24
2EFU66		1.020	0.000	0.51	1.020	0.000	0.18
2EUGE7		1.020	0.000	0.51	1.020	0.000	0.46
2FQYG8	*	1.018	-0.002	-2.73	1.018	-0.002	-3.17
2T9NB4		1.020	0.000	-0.37	1.020	0.000	-0.35
2TVVZA		1.020	0.000	0.42	1.020	0.000	0.36
486KQ8		1.020	0.000	-0.84	1.020	0.000	-0.27
4XYLDZ		1.020	0.000	-0.21	1.020	0.000	-0.36
62B94A		1.020	0.000	0.11	1.020	0.000	0.14
6UCFX2		1.020	0.000	0.02	1.020	0.000	0.06
73NW62	X	1.019	-0.001	-1.55	1.018	-0.002	-3.09
77N922	X	1.027	0.007	12.50	1.028	0.008	14.19
7MTFF4		1.020	0.000	0.07	1.020	0.000	0.09
7TZ7H9		1.020	0.000	0.33	1.020	0.000	0.46
7ZHCG2		1.020	0.000	0.29	1.020	0.000	0.36
87Z43Y		1.021	0.001	1.18	1.021	0.001	1.26
8F82Q3		1.021	0.001	1.40	1.021	0.001	1.91
8TRJH7		1.020	0.000	-0.48	1.019	-0.001	-1.09
8WTM99		1.021	0.001	1.42	1.021	0.001	1.47
96PKXW		1.020	0.000	0.33	1.020	0.000	0.36
99MZ96		1.020	0.000	0.24	1.020	0.000	0.55
9CZ4UZ	X	1.022	0.002	4.11	1.022	0.002	4.20
ARVPX8		1.020	-0.001	-0.91	1.020	0.000	-0.89
B86VMC		1.020	0.000	-0.03	1.020	0.000	0.00
BY84CW		1.020	0.000	0.47	1.020	0.000	0.36
CLYZ7T		1.020	0.000	-0.03	1.020	0.000	0.00
CMAHPY		1.021	0.001	0.93	1.020	0.000	0.78
CNMEU3		1.021	0.001	1.01	1.021	0.001	1.07
CZFZWR	X	1.010	-0.010	-17.93	1.010	-0.010	-18.19
D6Q923		1.019	-0.001	-2.61	1.019	-0.001	-2.61
D7GA3K		1.020	0.000	0.14	1.020	0.000	0.16
DAXTPZ		1.019	-0.001	-1.64	1.019	-0.001	-1.73
DKJXWY		1.020	0.000	0.50	1.020	0.000	0.36
E8BE2P		1.021	0.001	1.42	1.021	0.001	1.47
EGC3Q2		1.020	0.000	-0.03	1.020	0.000	0.00

WebCode	Data Flag	Sample SA33 Lab Mean	Diff from Grand Mean	CPV	Sample SA34 Lab Mean	Diff from Grand Mean	CPV
EKD978		1.021	0.001	1.51	1.020	0.000	0.84
EM2J3R		1.020	0.000	0.21	1.020	0.000	0.23
EQ2VYR	X	1.018	-0.002	-4.42	1.018	-0.002	-3.82
ERFX8L		1.020	0.000	0.09	1.020	0.000	0.08
EVF94L		1.020	0.000	0.35	1.020	0.000	0.38
EYEK27	M	No data reported for this sample			1.020	0.000	0.27
GDRRTN		1.020	0.000	0.33	1.020	0.000	0.34
GKMR6V		1.020	0.000	0.06	1.020	0.000	0.00
GTZN8G		1.020	0.000	-0.75	1.020	0.000	-0.36
GUWY8P		1.020	0.000	0.33	1.020	0.000	0.36
HDLYCR		1.020	0.000	0.43	1.020	0.000	0.84
HM9ZPF		1.020	0.000	-0.09	1.020	0.000	-0.05
JBT7C3		1.020	0.000	-0.43	1.020	0.000	-0.52
JRHD8E		1.020	0.000	0.39	1.020	0.000	0.27
JVKEAW		1.020	0.000	0.69	1.020	0.000	0.74
K4QGAN		1.021	0.001	1.85	1.021	0.001	2.18
KH8BLE		1.020	0.000	-0.16	1.020	0.000	0.19
KLQN3V		1.019	-0.001	-1.49	1.019	-0.001	-1.55
LD9G2H		1.020	0.000	-0.21	1.020	0.000	-0.18
LJEBXY	X	1.020	0.000	-0.82	1.020	0.000	0.56
LP3XQJ		1.020	0.000	0.25	1.020	0.000	0.30
MHME7J		1.020	0.000	0.12	1.020	0.000	0.26
MJDXRH		1.020	0.000	-0.03	1.020	0.000	0.00
MLMKRG	*	1.022	0.002	3.19	1.022	0.002	3.00
NCTUKE	X	1.004	-0.016	-28.23	0.849	-0.171	-310.45
NRNGNL		1.020	0.000	0.04	1.020	0.000	0.08
P7G7KH		1.020	0.000	0.51	1.020	0.000	0.36
PGGYQN		1.020	0.000	0.15	1.020	0.000	0.09
PMMUAN		1.020	0.000	-0.03	1.020	0.000	-0.18
QEUJX8		1.020	0.000	-0.84	1.020	0.000	-0.73
TN8K7D		1.020	0.000	0.26	1.020	0.000	0.41
TP448E		1.020	0.000	0.15	1.020	0.000	0.27
TZZ2YK		1.020	0.000	-0.30	1.020	0.000	-0.54
U4UHPJ		1.020	0.000	-0.55	1.020	0.000	0.02
U7MCNA	*	1.021	0.001	2.30	1.021	0.001	1.64

		Sample SA33			Sample SA34		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
UL2HXM	X	1.020	0.000	0.51	1.019	-0.001	-1.97
UMAW39		1.019	-0.001	-1.55	1.019	-0.001	-1.18
VC3E6B		1.021	0.001	0.98	1.021	0.001	1.24
VTABNA	X	1.018	-0.002	-3.61	1.018	-0.002	-3.82
VTETQE		1.019	-0.001	-2.63	1.019	-0.001	-2.45
W94HYF		1.020	0.000	0.33	1.020	0.000	0.36
W9M4Q7		1.020	0.000	-0.07	1.020	0.000	0.07
XFHJV6		1.020	0.000	0.60	1.020	0.000	0.64
XWLXEJ		1.020	0.000	0.20	1.020	0.000	0.15
YPNQB6		1.020	0.000	0.33	1.020	0.000	0.55
YRPXB9		1.020	0.000	0.21	1.020	0.000	0.43
YYNFNY		1.020	0.000	0.42	1.021	0.001	1.00
ZBHY36		1.020	0.000	0.12	1.020	0.000	0.06
ZDLPB6		1.019	-0.001	-2.56	1.019	-0.001	-2.55
ZXVR64		1.019	-0.001	-1.02	1.020	0.000	-0.36
ZYKDF7		1.020	0.000	0.24	1.020	0.000	-0.04

Summary Statistics

Grand Means
      1.0200 sp gr 20/20 C   1.0200 sp gr 20/20 C

Stnd Dev Btwn Labs
      0.0006 sp gr 20/20 C   0.0005 sp gr 20/20 C

Statistics based on 76 of 86 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #906

EQ2VYR (X) - Data for both samples are low. Possible Systematic Error.

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

VTABNA (X) - Data for both samples are low. Possible Systematic Error.

NCTUKE (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of both samples.

77N922 (X) - Data for both samples are high.

73NW62 (X) - Data for sample SA34 are low.

9CZ4UZ (X) - Data for both samples are high. Possible Systematic Error.

UL2HXM (X) - Inconsistent in testing between samples.

EYEK27 (M) - Participant did not submit data for sample SA33.

LJEBXY (X) -   Inconsistent within the determinations of sample SA34.
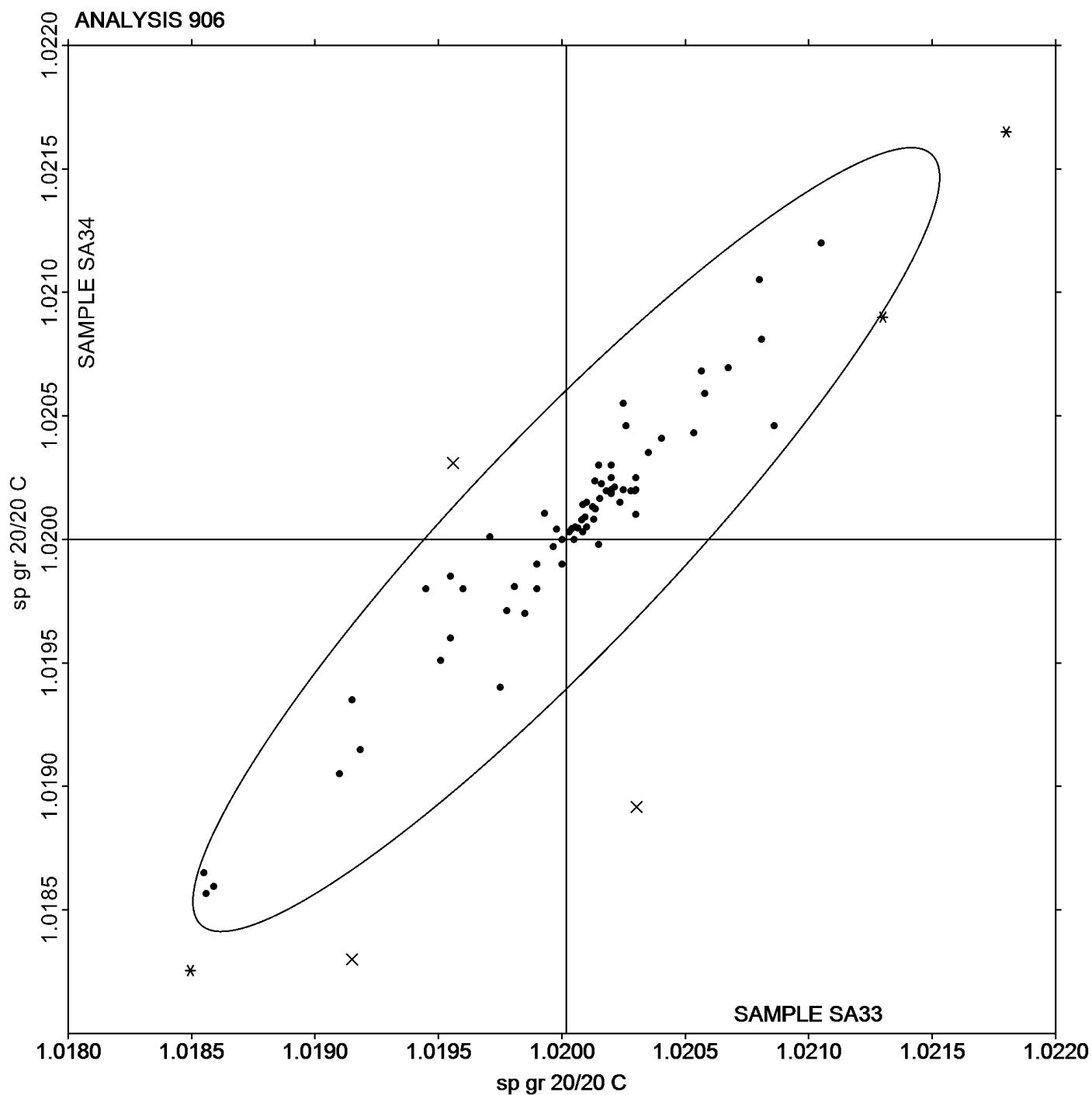
ANALYSIS 906

SAMPLE SA34

sp gr 20/20 C

SAMPLE SA33

sp gr 20/20 C

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2C9GJW		3.135	0.032	0.85	3.155	0.052	1.38
2EFU66		3.040	-0.063	-1.64	3.045	-0.058	-1.56
2EUGE7		3.120	0.017	0.46	3.125	0.022	0.58
2FQYG8	X	3.300	0.197	5.17	3.200	0.097	2.58
2T9NB4		3.130	0.027	0.72	3.140	0.037	0.98
2TVVZA		3.096	-0.007	-0.19	3.093	-0.011	-0.29
486KQ8		3.110	0.007	0.19	3.100	-0.003	-0.09
4XYLDZ		3.145	0.042	1.11	3.145	0.042	1.11
62B94A		3.145	0.042	1.11	3.150	0.047	1.24
6UCFX2		3.130	0.027	0.72	3.140	0.037	0.98
73NW62	X	3.090	-0.013	-0.33	3.035	-0.068	-1.83
77N922	X	2.300	-0.803	-21.02	3.001	-0.103	-2.75
79TVE7		3.115	0.012	0.33	3.115	0.012	0.31
7MTFF4		3.130	0.027	0.72	3.115	0.012	0.31
7N2MJV		3.070	-0.033	-0.85	3.075	-0.028	-0.76
7PCRUY		3.175	0.072	1.90	3.185	0.082	2.18
7TZ7H9		3.105	0.002	0.06	3.095	-0.008	-0.23
7ZHCG2		3.085	-0.018	-0.46	3.080	-0.023	-0.63
87Z43Y		3.160	0.057	1.50	3.160	0.057	1.51
8F82Q3	X	3.110	0.007	0.19	3.200	0.097	2.58
8TRJH7		3.110	0.007	0.19	3.110	0.007	0.18
8WTM99		3.100	-0.003	-0.07	3.100	-0.003	-0.09
96PKXW		3.070	-0.033	-0.85	3.070	-0.033	-0.89
99MZ96		3.150	0.047	1.24	3.145	0.042	1.11
9CZ4UZ		3.040	-0.063	-1.64	3.040	-0.063	-1.70
ARVPX8		3.170	0.067	1.76	3.170	0.067	1.78
B86VMC		3.120	0.017	0.46	3.130	0.027	0.71
BY84CW	*	3.200	0.097	2.55	3.190	0.087	2.31
CD4W3W		3.090	-0.013	-0.33	3.090	-0.013	-0.36
CLYZ7T		3.065	-0.038	-0.98	3.070	-0.033	-0.89
CMAHPY		3.085	-0.018	-0.46	3.090	-0.013	-0.36
CNMEU3		3.110	0.007	0.19	3.100	-0.003	-0.09
CZFZWR		3.065	-0.038	-0.98	3.075	-0.028	-0.76
CZWUYM		3.095	-0.008	-0.20	3.100	-0.003	-0.09
D7GA3K		3.140	0.037	0.98	3.140	0.037	0.98

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
DAXTPZ		3.120	0.017	0.46	3.120	0.017	0.44
DKJXWY		3.064	-0.039	-1.02	3.081	-0.022	-0.60
E8BE2P		3.110	0.007	0.19	3.110	0.007	0.18
EGC3Q2		3.030	-0.073	-1.90	3.030	-0.073	-1.96
EKD978		3.080	-0.023	-0.59	3.080	-0.023	-0.63
EM2J3R		3.110	0.007	0.19	3.090	-0.013	-0.36
EQ2VYR		3.100	-0.003	-0.07	3.095	-0.008	-0.23
ERFX8L		3.095	-0.008	-0.20	3.100	-0.003	-0.09
EVF94L		3.135	0.032	0.85	3.130	0.027	0.71
EYEK27	M	No data reported for this sample			3.125	0.022	0.58
GCVGUZ	X	3.325	0.222	5.82	3.305	0.202	5.39
GDRRTN		3.080	-0.023	-0.59	3.090	-0.013	-0.36
GEXE7T		3.140	0.037	0.98	3.140	0.037	0.98
GKMR6V		3.085	-0.018	-0.46	3.075	-0.028	-0.76
GTZN8G		3.140	0.037	0.98	3.140	0.037	0.98
GUWY8P		3.080	-0.023	-0.59	3.070	-0.033	-0.89
H4W9QK		3.075	-0.028	-0.72	3.075	-0.028	-0.76
HDLYCR		3.075	-0.028	-0.72	3.095	-0.008	-0.23
HM9ZPF		3.095	-0.008	-0.20	3.080	-0.023	-0.63
HZW3AT		3.070	-0.033	-0.85	3.070	-0.033	-0.89
JBT7C3		3.020	-0.083	-2.16	3.030	-0.073	-1.96
JF6BN3		3.140	0.037	0.98	3.140	0.037	0.98
JJ6MLM	X	3.095	-0.008	-0.20	3.055	-0.048	-1.30
JVKEAW		3.140	0.037	0.98	3.120	0.017	0.44
K4QGAN		3.130	0.027	0.72	3.135	0.032	0.84
KDTXGK		3.100	-0.003	-0.07	3.100	-0.003	-0.09
KLQN3V	X	3.040	-0.063	-1.64	3.095	-0.008	-0.23
KM4Z3L		3.120	0.017	0.46	3.140	0.037	0.98
LD9G2H	X	3.080	-0.023	-0.59	2.985	-0.118	-3.17
LJEBXY	*	2.995	-0.108	-2.82	3.003	-0.101	-2.70
LP3XQJ		3.160	0.057	1.50	3.160	0.057	1.51
MHME7J		3.110	0.007	0.19	3.120	0.017	0.44
MJDXRH		3.100	-0.003	-0.07	3.110	0.007	0.18
MLMKRG		3.100	-0.003	-0.07	3.110	0.007	0.18
NCTUKE		3.080	-0.023	-0.59	3.080	-0.023	-0.63

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
NRNGNL		3.070	-0.033	-0.85	3.070	-0.033	-0.89
P7G7KH		3.140	0.037	0.98	3.145	0.042	1.11
PGGYQN		3.095	-0.008	-0.20	3.100	-0.003	-0.09
PMMUAN	X	3.015	-0.088	-2.29	2.985	-0.118	-3.17
Q8CBDH		3.155	0.052	1.37	3.140	0.037	0.98
QEUJX8		3.085	-0.018	-0.46	3.080	-0.023	-0.63
RPJZZE		3.053	-0.050	-1.30	3.051	-0.052	-1.40
TN8K7D		3.120	0.017	0.46	3.120	0.017	0.44
TP448E		3.055	-0.048	-1.25	3.075	-0.028	-0.76
TZZ2YK		3.120	0.017	0.46	3.105	0.002	0.04
U4UHPJ	X	3.065	-0.038	-0.98	3.100	-0.003	-0.09
U7MCNA		3.100	-0.003	-0.07	3.080	-0.023	-0.63
UL2HXM		3.100	-0.003	-0.07	3.100	-0.003	-0.09
UMAW39		3.055	-0.048	-1.25	3.060	-0.043	-1.16
VC3E6B		3.080	-0.023	-0.59	3.080	-0.023	-0.63
VTABNA		3.080	-0.023	-0.59	3.080	-0.023	-0.63
VTETQE		3.065	-0.038	-0.98	3.075	-0.028	-0.76
W94HYF		3.105	0.002	0.06	3.125	0.022	0.58
W9M4Q7		3.130	0.027	0.72	3.135	0.032	0.84
X6WGBN		3.120	0.017	0.46	3.130	0.027	0.71
XFHJV6		3.098	-0.005	-0.13	3.099	-0.005	-0.13
XWLXEJ		3.070	-0.033	-0.85	3.060	-0.043	-1.16
YPNQB6		3.085	-0.018	-0.46	3.080	-0.023	-0.63
YYNFNY		3.060	-0.043	-1.11	3.050	-0.053	-1.43
ZBHY36		3.075	-0.028	-0.72	3.090	-0.013	-0.36
ZDLPB6		3.190	0.087	2.29	3.185	0.082	2.18
ZXVR64		3.060	-0.043	-1.11	3.060	-0.043	-1.16
ZYKDF7		3.180	0.077	2.03	3.170	0.067	1.78

Summary Statistics		
Grand Means		
3.1026 pH		3.1035 pH
Stnd Dev Btwn Labs		
0.0382 pH		0.0374 pH
		Statistics based on 87 of 98 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #907

LD9G2H (X) - Inconsistent in testing between samples, data for sample SA34 are low. Inconsistent within the determinations of sample SA34.

JJ6MLM (X) - Inconsistent in testing between samples.

8F82Q3 (X) - Inconsistent in testing between samples.

77N922 (X) - Data for both samples are low.

73NW62 (X) - Inconsistent in testing between samples.

2FQYG8 (X) - Data for sample SA33 are high.

KLQN3V (X) - Inconsistent in testing between samples.

GCVGUZ (X) - Data for both samples are high. Possible Systematic Error.

U4UHPJ (X) - Inconsistent in testing between samples.

PMMUAN (X) - Inconsistent in testing between samples, data for sample SA34 are low.

EYEK27 (M) - Participant did not submit data for sample SA33.
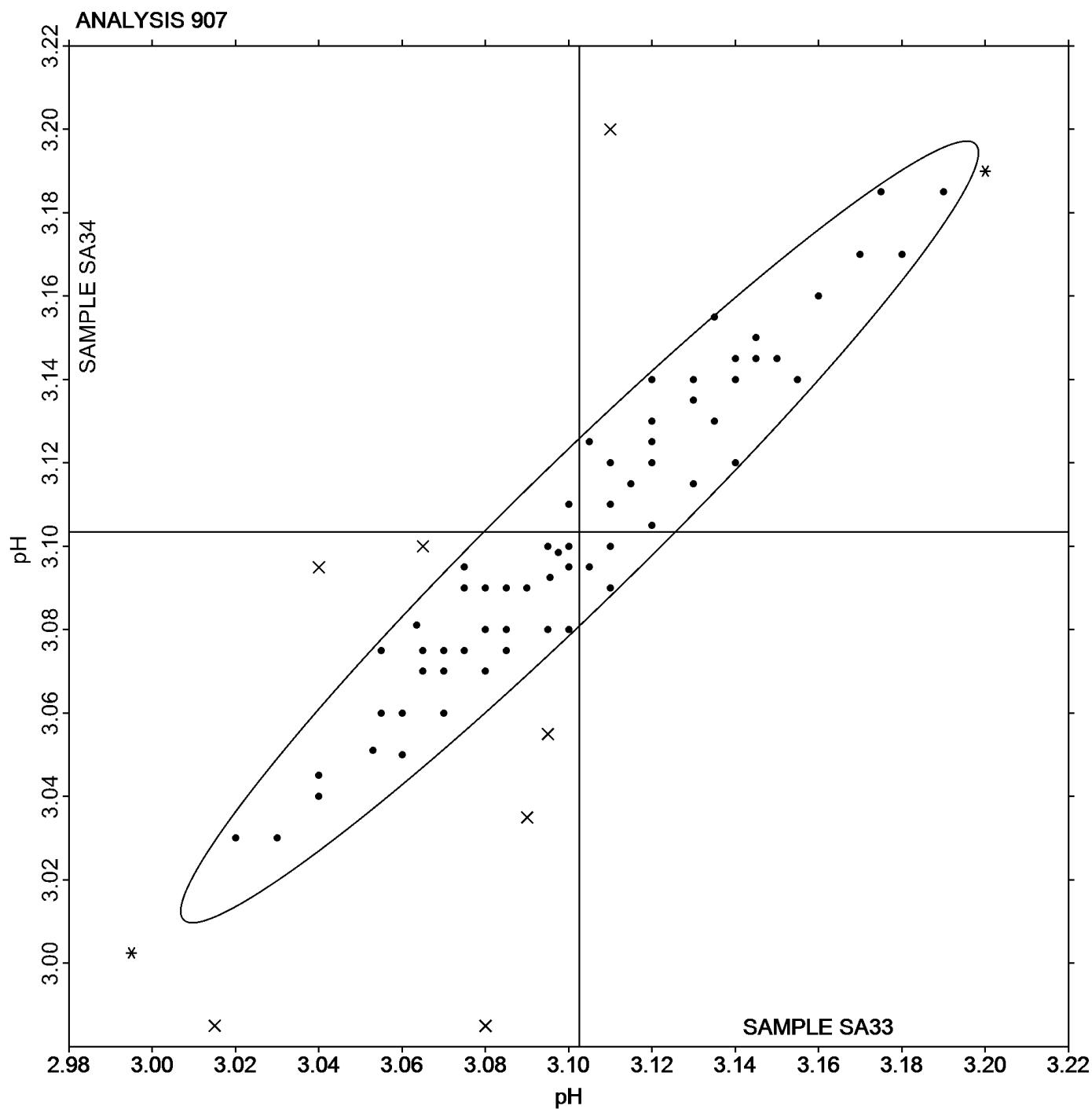
ANALYSIS 907

SAMPLE SA34

pH

SAMPLE SA33

pH

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2EFU66		61.50	1.65	0.30	61.25	1.10	0.23
2FQYG8		52.79	-7.06	-1.27	52.74	-7.41	-1.57
2T9NB4		51.30	-8.55	-1.54	54.82	-5.33	-1.13
6UCFX2		64.58	4.73	0.85	63.88	3.73	0.79
77N922		50.98	-8.87	-1.60	50.98	-9.17	-1.94
7N2MJV		62.61	2.76	0.50	61.34	1.19	0.25
ARVPX8		61.62	1.77	0.32	62.25	2.10	0.45
BY84CW		50.19	-9.66	-1.74	52.69	-7.46	-1.58
CZFZWR		62.35	2.50	0.45	62.15	2.00	0.42
D6Q923		73.29	13.44	2.42	70.85	10.70	2.27
DKJXWY		58.20	-1.65	-0.30	58.30	-1.85	-0.39
EGC3Q2		62.00	2.15	0.39	62.00	1.85	0.39
EYEK27	M	No data reported for this sample			61.79	1.64	0.35
GCVGUZ		62.90	3.05	0.55	63.90	3.75	0.80
GDRRTN		63.45	3.60	0.65	63.40	3.25	0.69
GUWY8P		65.20	5.35	0.96	65.40	5.25	1.11
H4W9QK		61.20	1.35	0.24	61.20	1.05	0.22
JBT7C3		49.57	-10.28	-1.85	52.68	-7.47	-1.58
JF6BN3		58.70	-1.15	-0.21	59.00	-1.15	-0.24
JJ6MLM		56.53	-3.32	-0.60	56.86	-3.29	-0.70
MHME7J		60.40	0.55	0.10	58.80	-1.35	-0.29
MJDXRH		60.70	0.85	0.15	60.95	0.80	0.17
UMAW39		65.94	6.09	1.10	66.20	6.05	1.28
W9M4Q7		61.90	2.05	0.37	61.70	1.55	0.33
YRPXB9		59.00	-0.85	-0.15	61.00	0.85	0.18
ZDLPB6		59.30	-0.55	-0.10	59.40	-0.75	-0.16

Summary Statistics

Grand Means
59.846 g/L   60.148 g/L

Stnd Dev Btwn Labs
5.549 g/L   4.714 g/L

Statistics based on 25 of 26 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

## Comments on Assigned Data Flags for Test #908

EYEK27 (M) - Participant did not submit data for sample SA33.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA33 *Pink Moscato*			Sample SA34 *Pink Moscato*			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method used	65.752	6.534	5.91	65.083	4.994	4.93	3/3
Cu Reduction Method	58.652	3.488	-1.19	58.791	3.498	-1.36	6/6
Segmented Flow	59.700	0.990	-0.15	59.900	1.556	-0.25	2/2
FTIR	60.632	5.201	0.79	61.041	4.338	0.89	8/8
Other _____	57.090	6.911	-2.76	57.932	5.798	-2.22	6/7
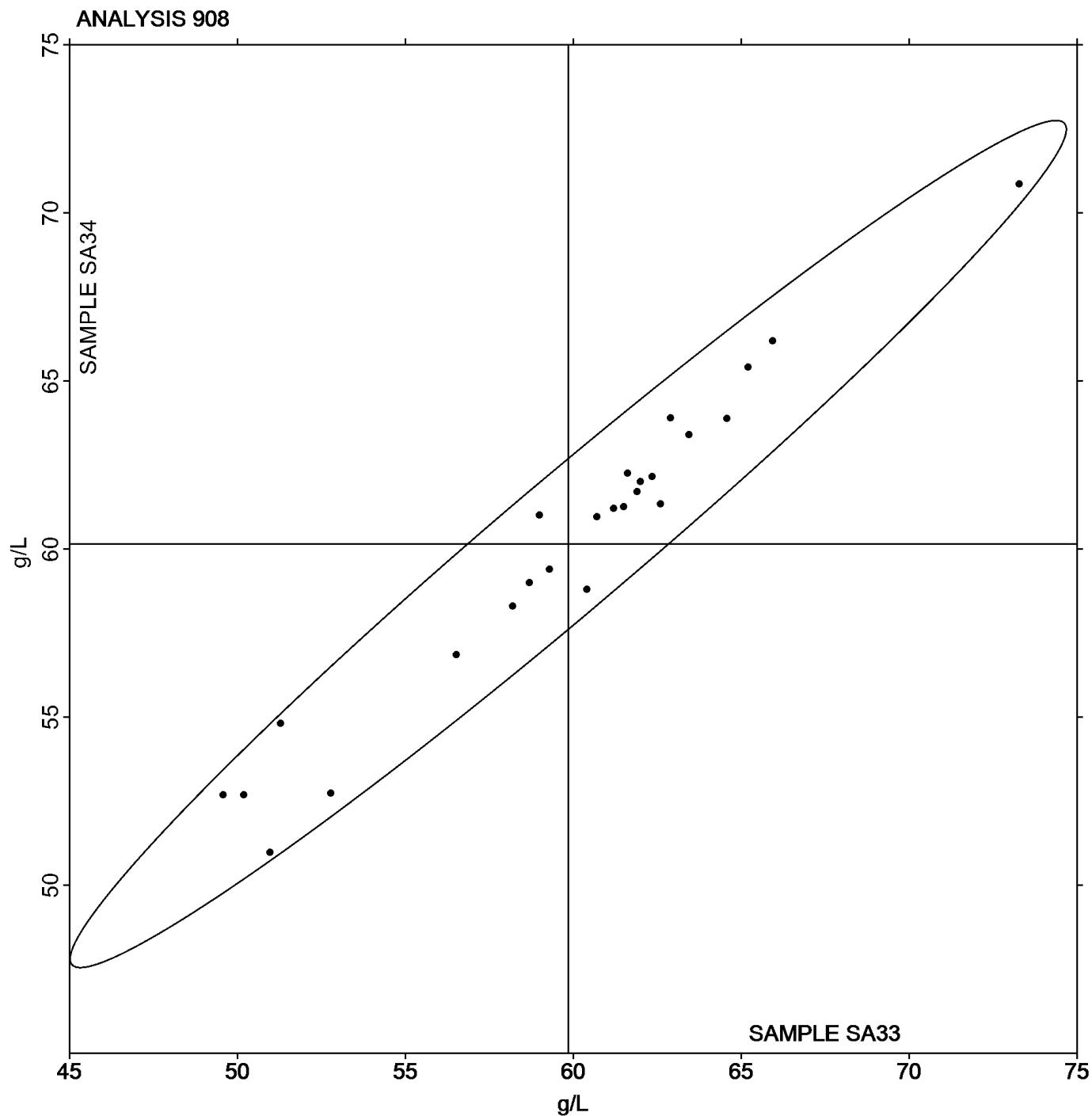
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WebCode	Data Flag	Sample SA33 Lab Mean	Sample SA33 Diff from Grand Mean	Sample SA33 CPV	Sample SA34 Lab Mean	Sample SA34 Diff from Grand Mean	Sample SA34 CPV
2C9GJW		2.005	0.165	1.22	2.040	0.201	1.51
2EFU66	X	1.665	-0.175	-1.30	1.775	-0.064	-0.48
2EUGE7	*	1.450	-0.390	-2.90	1.450	-0.389	-2.93
2FQYG8	X	1.890	0.050	0.37	2.140	0.301	2.26
2T9NB4		1.700	-0.140	-1.04	1.710	-0.129	-0.97
2TVVZA		1.752	-0.088	-0.66	1.732	-0.107	-0.81
486KQ8		1.830	-0.010	-0.08	1.830	-0.009	-0.07
4XYLDZ		1.777	-0.064	-0.47	1.765	-0.074	-0.56
62B94A		1.635	-0.205	-1.52	1.635	-0.204	-1.54
6UCFX2		1.830	-0.010	-0.08	1.810	-0.029	-0.22
73NW62		1.813	-0.027	-0.20	1.831	-0.009	-0.07
77N922		1.940	0.100	0.74	1.960	0.121	0.91
79TVE7		1.965	0.125	0.92	1.955	0.116	0.87
7MTFF4		1.665	-0.175	-1.30	1.620	-0.219	-1.65
7N2MJV		1.923	0.083	0.61	1.928	0.088	0.66
7PCRUY		1.730	-0.110	-0.82	1.730	-0.109	-0.82
7TZ7H9		1.700	-0.140	-1.04	1.675	-0.164	-1.24
7ZHCG2		1.872	0.032	0.23	1.836	-0.003	-0.03
87Z43Y		1.960	0.120	0.89	1.920	0.081	0.61
8F82Q3		1.980	0.140	1.04	1.980	0.141	1.06
8TRJH7	X	1.560	-0.280	-2.08	1.660	-0.179	-1.35
8WTM99		1.990	0.150	1.11	2.020	0.181	1.36
96PKXW		1.751	-0.089	-0.66	1.716	-0.123	-0.93
99MZ96		1.753	-0.088	-0.65	1.781	-0.059	-0.44
ARVPX8		1.950	0.110	0.81	1.970	0.131	0.98
B86VMC		1.900	0.060	0.44	1.920	0.081	0.61
BY84CW		1.665	-0.175	-1.30	1.655	-0.184	-1.39
CD4W3W		1.865	0.025	0.18	1.855	0.016	0.12
CLYZ7T		1.970	0.130	0.96	1.945	0.106	0.79
CMAHPY	X	1.770	-0.070	-0.52	1.610	-0.229	-1.73
CZFZWR		1.875	0.035	0.26	1.890	0.051	0.38
CZWUYM		1.665	-0.175	-1.30	1.655	-0.184	-1.39
D7GA3K	*	2.118	0.278	2.06	2.051	0.211	1.59
DAXTPZ		1.995	0.155	1.15	1.995	0.156	1.17
DKJXWY		1.880	0.040	0.29	1.840	0.001	0.00

WebCode	Data Flag	Sample SA33 Lab Mean	Diff from Grand Mean	CPV	Sample SA34 Lab Mean	Diff from Grand Mean	CPV
E8BE2P		1.800	-0.040	-0.30	1.770	-0.069	-0.52
EKD978		1.600	-0.240	-1.78	1.640	-0.199	-1.50
EM2J3R		1.900	0.060	0.44	1.870	0.031	0.23
EQ2VYR		1.913	0.073	0.54	1.925	0.085	0.64
ERFX8L		1.830	-0.010	-0.08	1.800	-0.039	-0.30
EVF94L		1.725	-0.115	-0.86	1.719	-0.120	-0.91
EYEK27	M	No data reported for this sample			1.790	-0.049	-0.37
GDRRTN		1.790	-0.050	-0.37	1.745	-0.094	-0.71
GEXE7T		1.800	-0.040	-0.30	1.790	-0.049	-0.37
GKMR6V		1.870	0.030	0.22	1.925	0.086	0.64
GTZN8G		1.805	-0.035	-0.26	1.806	-0.034	-0.26
GUWY8P	*	1.430	-0.410	-3.04	1.460	-0.379	-2.85
HDLYCR		1.795	-0.045	-0.34	1.815	-0.024	-0.18
HM9ZPF		1.912	0.072	0.53	1.913	0.074	0.55
HZW3AT		1.710	-0.130	-0.97	1.750	-0.089	-0.67
JBT7C3		1.700	-0.140	-1.04	1.690	-0.149	-1.12
JF6BN3		1.685	-0.155	-1.15	1.695	-0.144	-1.09
JVKEAW	X	1.298	-0.542	-4.02	1.490	-0.349	-2.63
K4QGAN		1.600	-0.240	-1.78	1.570	-0.269	-2.03
KDTXGK		1.944	0.104	0.77	1.927	0.087	0.65
KH8BLE		1.979	0.139	1.03	1.987	0.148	1.11
LD9G2H		1.655	-0.185	-1.37	1.680	-0.159	-1.20
LP3XQJ		1.827	-0.013	-0.10	1.837	-0.002	-0.02
MJDXRH		1.964	0.124	0.92	1.965	0.125	0.94
MLMKRG	*	1.620	-0.220	-1.63	1.690	-0.149	-1.12
NCTUKE		1.903	0.063	0.46	1.916	0.076	0.57
NRNGNL		2.090	0.250	1.85	2.080	0.241	1.81
P7G7KH		1.880	0.039	0.29	1.914	0.075	0.56
PGGYQN		1.870	0.030	0.22	1.865	0.026	0.19
Q8CBDH		1.855	0.015	0.11	1.850	0.011	0.08
QEUJX8		1.890	0.050	0.37	1.865	0.026	0.19
TN8K7D		1.956	0.116	0.86	1.998	0.159	1.19
TP448E		1.942	0.102	0.75	1.924	0.084	0.63
TZZ2YK		1.875	0.035	0.26	1.910	0.071	0.53
U4UHPJ		1.800	-0.040	-0.30	1.775	-0.064	-0.48

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
U7MCNA		1.950	0.110	0.81	1.950	0.111	0.83
UL2HXM		1.780	-0.060	-0.45	1.830	-0.009	-0.07
VC3E6B		1.937	0.097	0.72	1.927	0.088	0.66
VTABNA		1.949	0.108	0.80	1.934	0.094	0.71
VTETQE		1.830	-0.010	-0.08	1.830	-0.009	-0.07
W94HYF		1.850	0.010	0.07	1.890	0.051	0.38
W9M4Q7		2.000	0.160	1.18	1.985	0.146	1.09
X6WGBN		1.910	0.070	0.52	1.890	0.051	0.38
XFHJV6		1.986	0.145	1.08	1.982	0.143	1.07
XWLXEJ		1.970	0.130	0.96	1.920	0.081	0.61
YPNQB6		1.890	0.050	0.37	1.870	0.031	0.23
YYNFNY	X	1.765	-0.075	-0.56	1.880	0.041	0.30
ZDLPB6		1.715	-0.125	-0.93	1.720	-0.119	-0.90
ZXVR64		1.922	0.081	0.60	1.944	0.104	0.78
ZYKDF7		2.044	0.203	1.51	2.046	0.206	1.55

Summary Statistics		
Grand Means		
1.8404 g/L		1.8395 g/L
Stnd Dev Btwn Labs		
0.1348 g/L		0.1329 g/L
		Statistics based on 78 of 85 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #909

YYNFNY (X) - Inconsistent in testing between samples.

2EFU66 (X) - Inconsistent in testing between samples.

CMAHPY (X) - Inconsistent in testing between samples.

2FQYG8 (X) - Inconsistent in testing between samples and inconsistent within the determinations of sample SA34.

JVKEAW (X) - Data for sample SA33 are low. Inconsistent within the determinations of both samples.

8TRJH7 (X) - Inconsistent in testing between samples and inconsistent within the determinations of sample SA33.

EYEK27 (M) - Participant did not submit data for sample SA33.
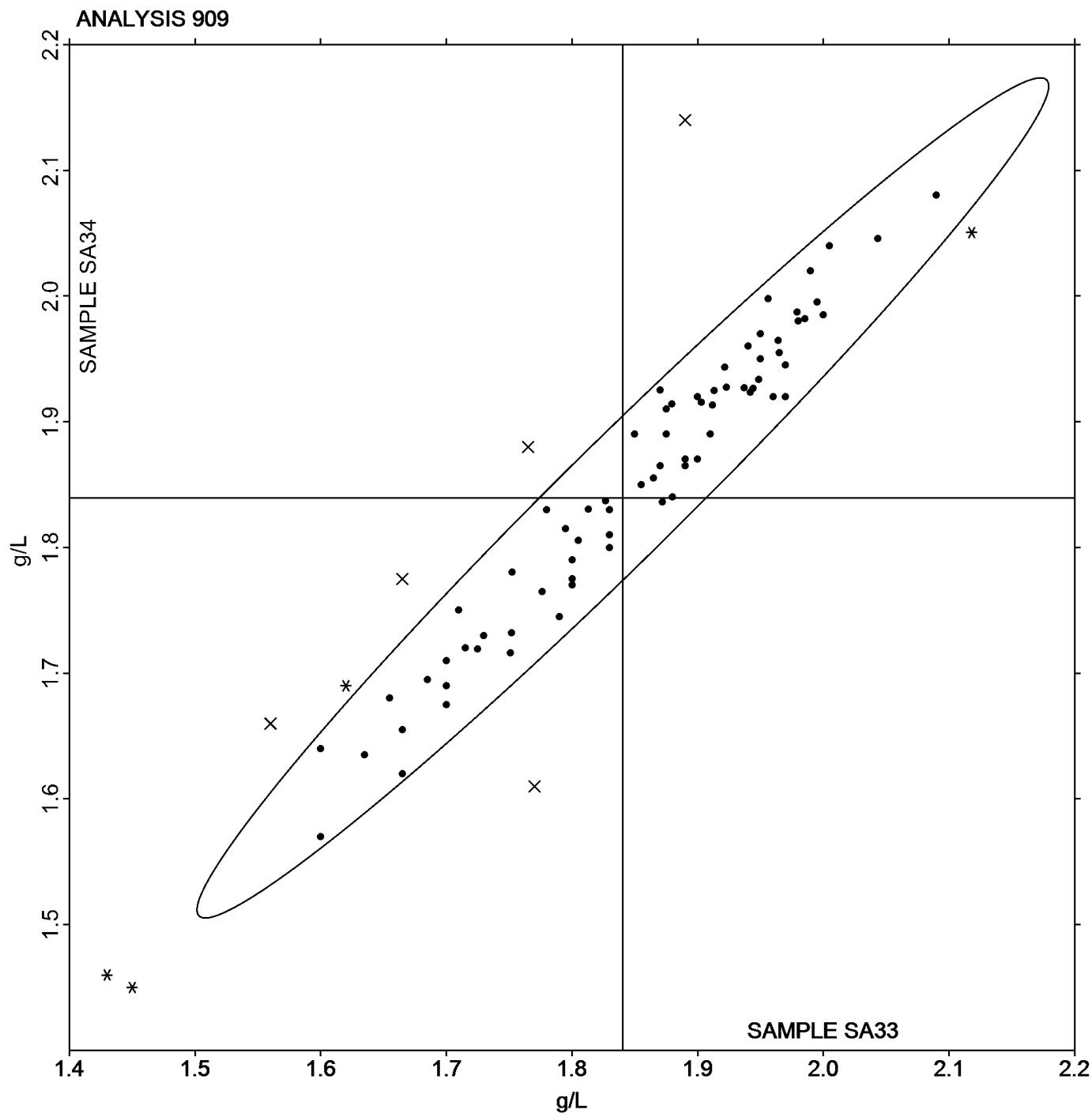
ANALYSIS 909

SAMPLE SA34

g/L

SAMPLE SA33

g/L

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2C9GJW		62.30	0.55	0.16	63.15	1.23	0.34
2EFU66		60.40	-1.35	-0.39	61.05	-0.87	-0.24
2EUGE7		58.05	-3.70	-1.07	57.80	-4.12	-1.13
2T9NB4	X	51.30	-10.45	-3.03	54.82	-7.10	-1.95
2TVVZA		55.45	-6.30	-1.83	54.90	-7.02	-1.93
486KQ8		61.10	-0.65	-0.19	61.30	-0.62	-0.17
4XYLDZ		59.05	-2.70	-0.78	59.45	-2.47	-0.68
62B94A		66.00	4.25	1.23	66.00	4.08	1.12
6UCFX2		64.58	2.83	0.82	63.88	1.96	0.54
73NW62	X	45.08	-16.67	-4.83	51.66	-10.26	-2.82
79TVE7		62.36	0.61	0.18	62.24	0.32	0.09
7MTFF4		60.50	-1.25	-0.36	60.70	-1.22	-0.33
7PCRUY		60.00	-1.75	-0.51	61.00	-0.92	-0.25
7TZ7H9		59.96	-1.79	-0.52	60.04	-1.88	-0.52
7ZHCG2		60.21	-1.54	-0.45	59.75	-2.17	-0.60
87Z43Y		64.91	3.16	0.92	65.36	3.44	0.95
8F82Q3		63.00	1.25	0.36	64.00	2.08	0.57
8TRJH7	X	58.70	-3.05	-0.88	62.10	0.18	0.05
8WTM99		64.00	2.25	0.65	63.55	1.63	0.45
96PKXW		65.30	3.55	1.03	64.20	2.28	0.63
99MZ96		61.10	-0.65	-0.19	59.75	-2.17	-0.60
B86VMC		66.00	4.25	1.23	65.10	3.18	0.87
CD4W3W		60.90	-0.85	-0.25	61.25	-0.67	-0.18
CLYZ7T		62.60	0.85	0.25	63.80	1.88	0.52
CMAHPY	X	47.00	-14.75	-4.28	47.00	-14.92	-4.10
CNMEU3		62.80	1.05	0.31	63.30	1.38	0.38
CZFZWR		62.35	0.60	0.18	62.15	0.23	0.06
CZWUYM		61.65	-0.10	-0.03	61.85	-0.07	-0.02
D7GA3K		59.65	-2.10	-0.61	61.19	-0.73	-0.20
DAXTPZ		63.00	1.25	0.36	62.50	0.58	0.16
DKJXWY		66.50	4.75	1.38	66.80	4.88	1.34
EKD978		60.28	-1.47	-0.43	60.42	-1.50	-0.41
EM2J3R		59.02	-2.73	-0.79	58.93	-2.99	-0.82
EQ2VYR		63.45	1.70	0.49	64.75	2.83	0.78
ERFX8L		64.95	3.20	0.93	65.50	3.58	0.98

WebCode	Data Flag	Sample SA33 Lab Mean	Diff from Grand Mean	CPV	Sample SA34 Lab Mean	Diff from Grand Mean	CPV
EVF94L		61.00	-0.75	-0.22	60.90	-1.02	-0.28
EYEK27	M	No data reported for this sample			61.79	-0.13	-0.04
GDRRTN		58.55	-3.20	-0.93	58.50	-3.42	-0.94
GEXE7T		61.00	-0.75	-0.22	61.00	-0.92	-0.25
GKMR6V		61.45	-0.30	-0.09	62.75	0.83	0.23
GTZN8G		59.80	-1.95	-0.56	60.20	-1.72	-0.47
GUWY8P	M	61.00	-0.75	-0.22	No data reported for this sample		
HDLYCR		64.10	2.35	0.68	64.30	2.38	0.65
HM9ZPF		63.17	1.42	0.41	63.08	1.16	0.32
HZW3AT		68.40	6.65	1.93	68.50	6.58	1.81
JBT7C3	*	51.33	-10.42	-3.02	50.67	-11.25	-3.09
JF6BN3		66.03	4.28	1.24	67.33	5.41	1.49
JJ6MLM	*	57.72	-4.03	-1.17	55.64	-6.28	-1.72
JVKEAW		59.60	-2.15	-0.62	58.70	-3.22	-0.88
K4QGAN		55.64	-6.11	-1.77	55.95	-5.97	-1.64
KDTXGK		66.45	4.70	1.36	66.95	5.03	1.38
LD9G2H		60.20	-1.55	-0.45	60.41	-1.51	-0.41
LP3XQJ	*	53.00	-8.75	-2.54	53.05	-8.87	-2.44
MLMKRG		61.38	-0.37	-0.11	59.93	-1.99	-0.55
NCTUKE		63.45	1.70	0.49	63.75	1.83	0.50
NRNGNL	*	68.90	7.15	2.08	67.53	5.61	1.54
P7G7KH	*	61.50	-0.25	-0.07	64.50	2.58	0.71
PGGYQN	*	52.84	-8.91	-2.58	52.90	-9.02	-2.48
Q8CBDH		60.87	-0.88	-0.25	62.34	0.42	0.12
QEUJX8		61.70	-0.05	-0.01	64.05	2.13	0.59
RPJZZE		66.15	4.40	1.28	67.40	5.48	1.51
TN8K7D		66.70	4.95	1.44	66.65	4.73	1.30
TP448E		57.65	-4.10	-1.19	59.25	-2.67	-0.73
TZZ2YK		60.70	-1.05	-0.30	61.20	-0.72	-0.20
U4UHPJ		61.90	0.15	0.04	62.45	0.53	0.15
U7MCNA		60.75	-1.00	-0.29	60.47	-1.45	-0.40
UL2HXM		59.29	-2.46	-0.71	58.78	-3.14	-0.86
UMAW39		62.91	1.16	0.34	63.07	1.15	0.32
VC3E6B		62.00	0.25	0.07	61.00	-0.92	-0.25
VTABNA		67.00	5.25	1.52	66.95	5.03	1.38

| WebCode | Data Flag | Sample SA33 | | | Sample SA34 | | |
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
VTETQE		64.50	2.75	0.80	66.00	4.08	1.12
W94HYF	*	55.64	-6.11	-1.77	54.00	-7.92	-2.17
W9M4Q7	X	61.00	-0.75	-0.22	65.40	3.48	0.96
X6WGBN		63.20	1.45	0.42	63.60	1.68	0.46
XFHJV6		65.27	3.52	1.02	64.39	2.47	0.68
XWLXEJ		63.83	2.08	0.60	64.64	2.72	0.75
YPNQB6		62.25	0.50	0.15	63.30	1.38	0.38
YRPXB9		61.50	-0.25	-0.07	61.00	-0.92	-0.25
YYNFNY	X	73.00	11.25	3.26	83.00	21.08	5.79
ZBHY36		66.30	4.55	1.32	65.45	3.53	0.97
ZDLPB6		59.30	-2.45	-0.71	59.40	-2.52	-0.69
ZXVR64		61.60	-0.15	-0.04	61.35	-0.57	-0.16
ZYKDF7		62.99	1.24	0.36	64.95	3.03	0.83

| Summary Statistics	
Grand Means	
61.745 g/L	61.918 g/L
Stnd Dev Btwn Labs	
3.447 g/L	3.641 g/L
	Statistics based on 75 of 83 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #910

YYNFNY (X) - Data for both samples are high. Possible Systematic Error.

2T9NB4 (X) - Inconsistent in testing between samples, data for sample SA33 are low.

W9M4Q7 (X) - Inconsistent in testing between samples and inconsistent within the determinations of sample SA34.

GUWY8P (M) - Participant did not submit data for sample SA34.

73NW62 (X) - Data for both samples are low. Possible Systematic Error.

8TRJH7 (X) - Inconsistent in testing between samples.

EYEK27 (M) - Participant did not submit data for sample SA33.

CMAHPY (X) - Data for both samples are low. Possible Systematic Error.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA33 *Pink Moscato* Group Mean	Btwn Lab STD	Diff from GM	Sample SA34 *Pink Moscato* Group Mean	Btwn Lab STD	Diff from GM	Labs Incl / Rpt
HPLC	59.618	7.526	-2.13	59.665	8.407	-2.25	3/3
Enzymatic/Spectrophotometric	61.822	3.328	0.08	61.997	3.487	0.08	66/73
FTIR	61.960	2.527	0.21	62.178	2.570	0.26	6/7

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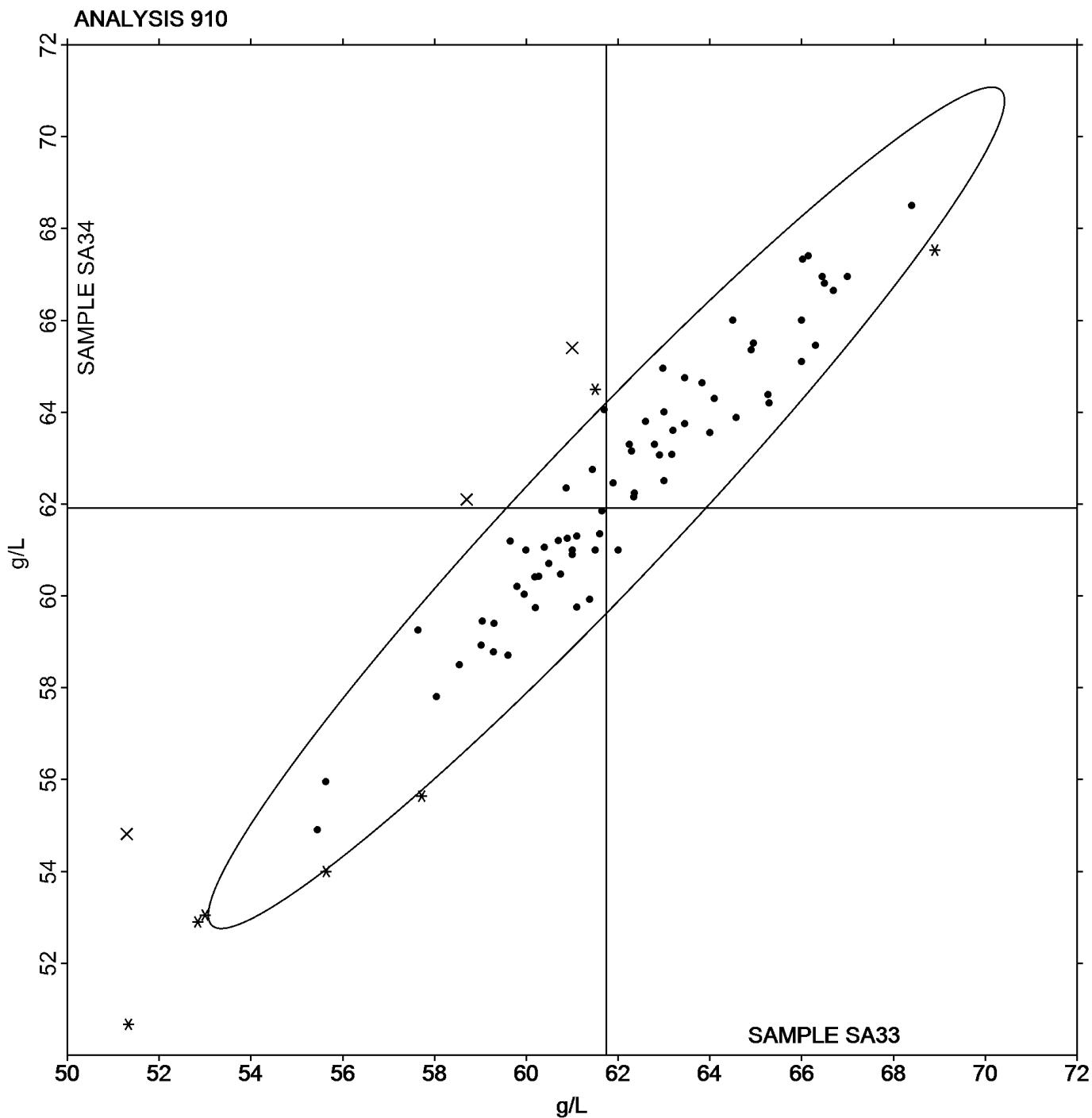
WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2C9GJW	*	0.1650	0.0125	0.29	0.0550	-0.0894	-1.89
2EFU66		0.1750	0.0225	0.52	0.1850	0.0406	0.86
87Z43Y		0.1480	-0.0045	-0.10	0.1510	0.0066	0.14
D7GA3K		0.1300	-0.0225	-0.52	0.1300	-0.0144	-0.30
DKJXWY		0.1549	0.0024	0.05	0.1550	0.0106	0.22
EGC3Q2		0.1100	-0.0425	-0.98	0.1100	-0.0344	-0.73
EQ2VYR		0.2115	0.0590	1.36	0.2420	0.0976	2.06
ERFX8L		0.1575	0.0050	0.11	0.1575	0.0131	0.28
EVF94L		0.1250	-0.0275	-0.63	0.1300	-0.0144	-0.30
GDRRTN		0.1300	-0.0225	-0.52	0.1300	-0.0144	-0.30
GUWY8P		0.1500	-0.0025	-0.06	0.1500	0.0056	0.12
HM9ZPF		0.1000	-0.0525	-1.21	0.0900	-0.0544	-1.15
JRHD8E		0.1415	-0.0110	-0.25	0.1395	-0.0049	-0.10
KH8BLE		0.1500	-0.0025	-0.06	0.1500	0.0056	0.12
MHME7J		0.1595	0.0070	0.16	0.1525	0.0081	0.17
NRNGNL		0.2350	0.0825	1.90	0.2300	0.0856	1.81
QEUJX8		0.1790	0.0265	0.61	0.1825	0.0381	0.81
RPJZZE		0.2100	0.0575	1.32	0.2100	0.0656	1.39
TN8K7D		0.1100	-0.0425	-0.98	0.1100	-0.0344	-0.73
U7MCNA	X	0.9000	0.7475	17.17	0.8000	0.6556	13.85
UL2HXM		0.0460	-0.1065	-2.45	0.0430	-0.1014	-2.14
W94HYF	*	0.2350	0.0825	1.90	0.1275	-0.0169	-0.36
W9M4Q7	X	0.0130	-0.1395	-3.20	0.0135	-0.1309	-2.76
YPNQB6		0.1445	-0.0080	-0.18	0.1400	-0.0044	-0.09
YRPXB9		0.1400	-0.0125	-0.29	0.1500	0.0056	0.12

Summary Statistics

Grand Means
0.15249 mg/L   0.14437 mg/L

Stnd Dev Btwn Labs
0.04354 mg/L   0.04734 mg/L

Statistics based on 23 of 25 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #911

W9M4Q7 (X) - Data for both samples are low. Data may be off by a factor of 10.

U7MCNA (X) - Data for both samples are high.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA33 _Pink Moscato_			Sample SA34 _Pink Moscato_			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Atomic Absorption Spectroscopy	0.148	0.059	-0.0047	0.149	0.064	0.0050	10/10
ICP	0.148	0.018	-0.0044	0.150	0.019	0.0051	11/11
FTIR	0.235	0.000	0.0825	0.128	0.000	-0.0169	1/1
Other _____							0/2
Colorimetric Analysis	0.165	0.000	0.0125	0.055	0.000	-0.0894	1/1
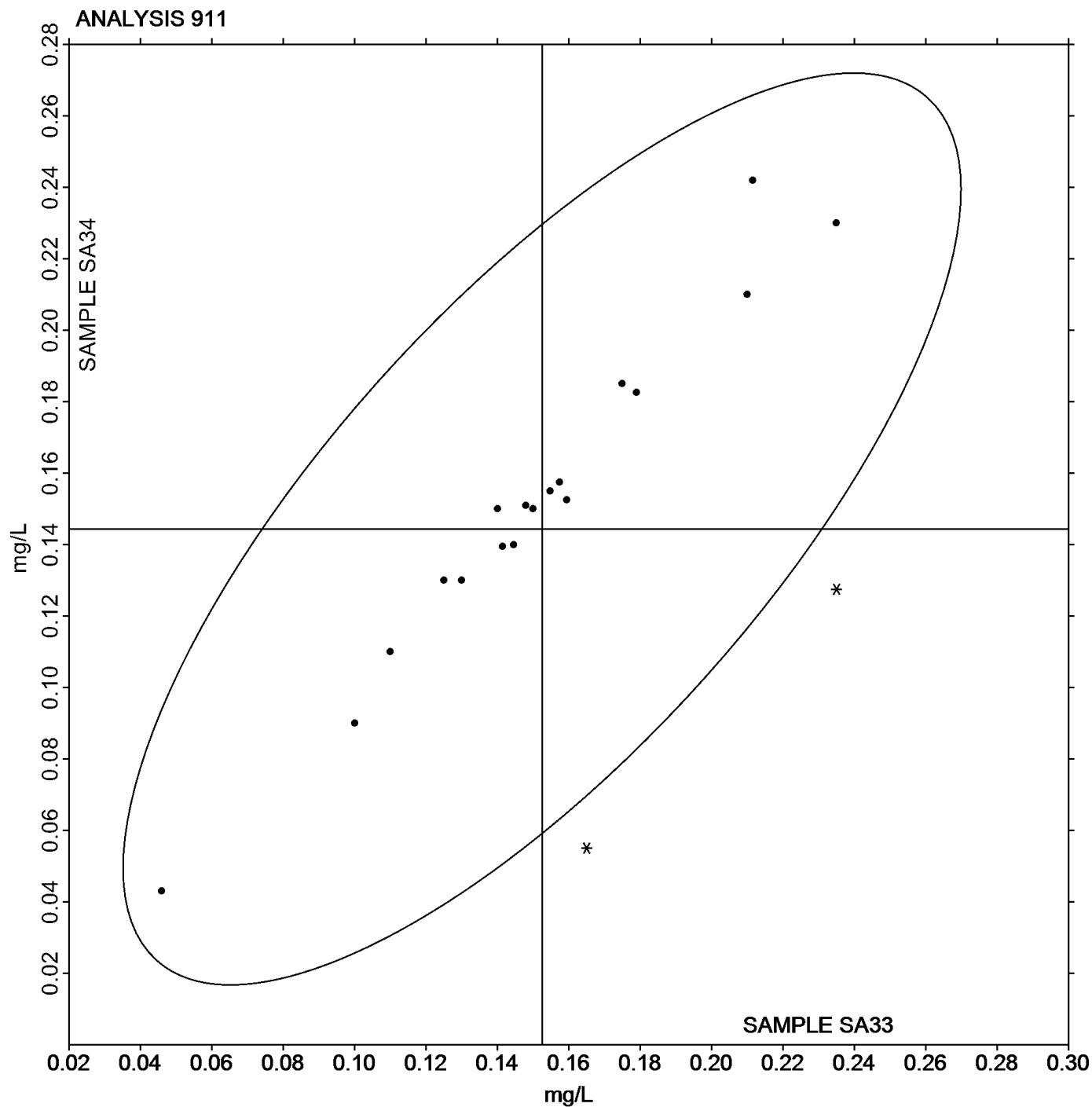
WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2EFU66		670.0	106.6	0.80	690.0	115.2	0.81
87Z43Y	X	2,040.5	1,477.1	11.15	1,986.5	1,411.7	9.98
8WTM99		591.0	27.6	0.21	576.0	1.2	0.01
D7GA3K		485.5	-77.9	-0.59	481.0	-93.8	-0.66
DKJXWY		566.0	2.6	0.02	584.0	9.2	0.07
EGC3Q2	*	535.0	-28.4	-0.21	633.0	58.2	0.41
EVF94L		504.5	-58.9	-0.44	522.0	-52.8	-0.37
GDRRTN		545.0	-18.4	-0.14	543.0	-31.8	-0.22
GUWY8P		601.0	37.6	0.28	599.0	24.2	0.17
HM9ZPF		527.0	-36.4	-0.27	524.0	-50.8	-0.36
JF6BN3		582.0	18.6	0.14	593.0	18.2	0.13
JRHD8E		514.5	-48.9	-0.37	509.0	-65.8	-0.46
KH8BLE		536.0	-27.4	-0.21	538.0	-36.8	-0.26
LP3XQJ		585.5	22.1	0.17	611.5	36.7	0.26
NRNGNL		537.6	-25.8	-0.19	538.8	-36.0	-0.25
QEUJX8	*	893.5	330.1	2.49	962.5	387.7	2.74
TP448E		669.0	105.6	0.80	660.0	85.2	0.60
W94HYF	*	154.5	-408.9	-3.09	156.5	-418.3	-2.96
W9M4Q7		431.0	-132.4	-1.00	450.0	-124.8	-0.88
XFHJV6		641.0	77.6	0.59	621.5	46.7	0.33
YPNQB6		695.0	131.6	0.99	688.0	113.2	0.80
YRPXB9		493.5	-69.9	-0.53	492.5	-82.3	-0.58
ZYKDF7		636.5	73.1	0.55	672.0	97.2	0.69

Summary Statistics

Grand Means		
563.39 mg/L		574.79 mg/L
Stnd Dev Btwn Labs		
132.49 mg/L		141.51 mg/L

Statistics based on 22 of 23 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

## Comments on Assigned Data Flags for Test #912

87Z43Y (X) - Data for both samples are high. Inconsistent within the determinations of both samples.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample SA33 *Pink Moscato*			Sample SA34 *Pink Moscato*			Labs Incl / Rpt
	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	
Please specify method used	395.500	340.825	-167.9	414.250	364.514	-160.5	2/2
Atomic Absorption Spectroscopy	539.928	27.019	-23.5	563.264	55.393	-11.5	5/6
ICP	589.875	139.487	26.5	601.375	159.591	26.6	8/8
FTIR	635.500	48.790	72.1	644.500	64.347	69.7	2/2
Other _____	551.333	108.307	-12.1	554.833	91.900	-20.0	3/3
Colorimetric Analysis	630.000	55.154	66.6	618.000	59.397	43.2	2/2
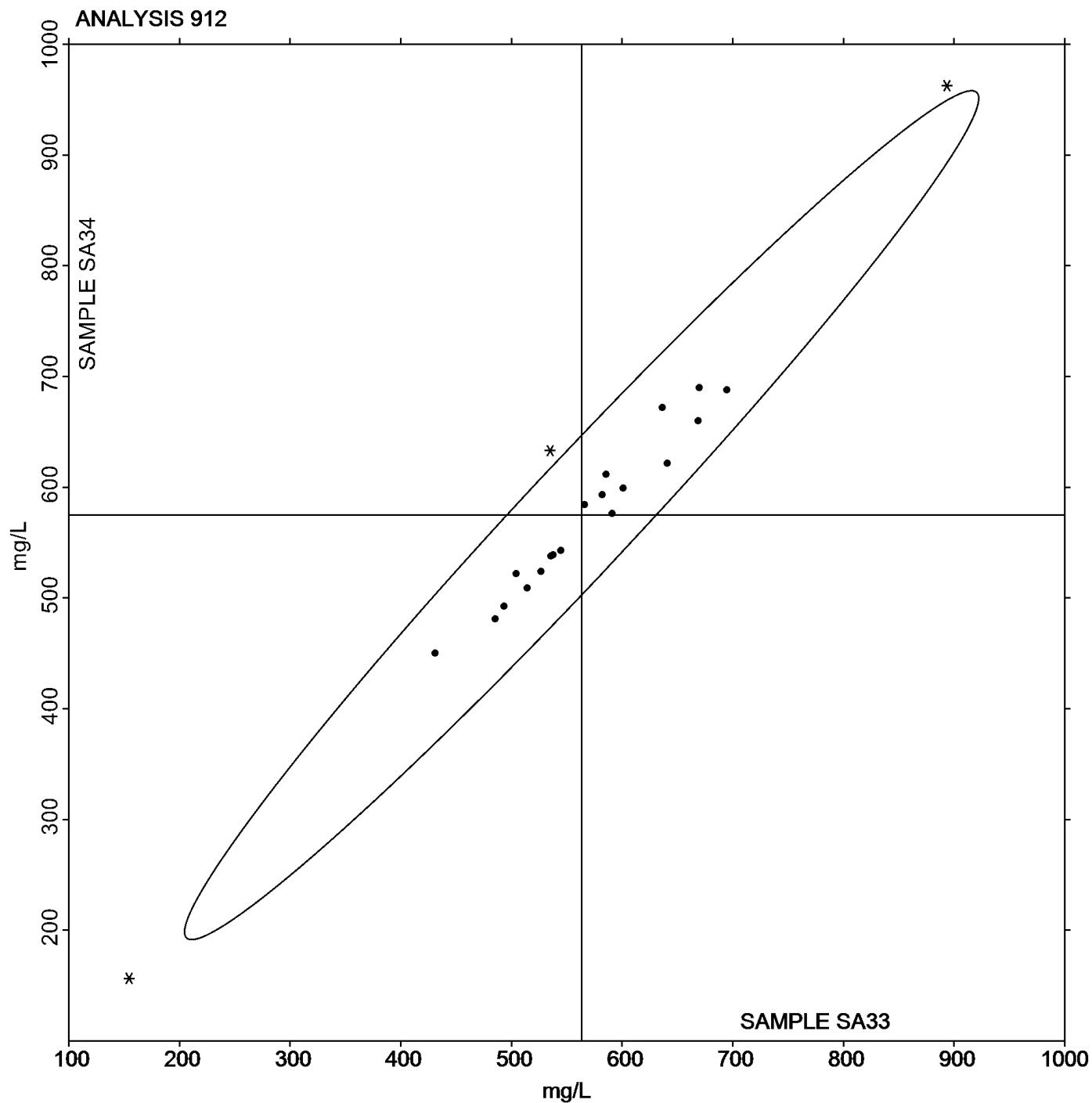
| WebCode | Data Flag | Sample SA33 | | | Sample SA34 | | |
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2C9GJW		0.1575	-0.0030	-0.33	0.1615	-0.0017	-0.16
2EFU66		0.1650	0.0045	0.49	0.1630	-0.0002	-0.02
2EUGE7		0.1515	-0.0090	-0.98	0.1505	-0.0127	-1.16
2FQYG8	X	0.0430	-0.1175	-12.77	0.0465	-0.1167	-10.61
4XYLDZ		0.1525	-0.0080	-0.87	0.1545	-0.0087	-0.79
62B94A		0.1725	0.0120	1.30	0.1830	0.0198	1.80
6UCFX2		0.1580	-0.0025	-0.27	0.1580	-0.0052	-0.47
73NW62		0.1665	0.0060	0.65	0.1705	0.0073	0.66
7MTFF4	*	0.1360	-0.0245	-2.66	0.1300	-0.0332	-3.02
7PCRUY		0.1670	0.0065	0.71	0.1735	0.0103	0.94
7TZ7H9		0.1715	0.0110	1.20	0.1725	0.0093	0.84
87Z43Y		0.1405	-0.0200	-2.17	0.1385	-0.0247	-2.25
8TRJH7		0.1715	0.0110	1.20	0.1720	0.0088	0.80
8WTM99	X	0.2200	0.0595	6.47	0.2650	0.1018	9.25
9CZ4UZ		0.1540	-0.0065	-0.71	0.1540	-0.0092	-0.84
BY84CW		0.1430	-0.0175	-1.90	0.1475	-0.0157	-1.43
CMAHPY		0.1630	0.0025	0.27	0.1675	0.0043	0.39
CNMEU3		0.1620	0.0015	0.16	0.1620	-0.0012	-0.11
CZWUYM		0.1685	0.0080	0.87	0.1650	0.0018	0.16
DKJXWY		0.1620	0.0015	0.16	0.1630	-0.0002	-0.02
E8BE2P	X	1.8500	1.6895	183.59	1.8000	1.6368	148.79
EGC3Q2		0.1670	0.0065	0.71	0.1660	0.0028	0.25
EM2J3R		0.1600	-0.0005	-0.05	0.1640	0.0008	0.07
EQ2VYR		0.1545	-0.0060	-0.65	0.1575	-0.0057	-0.52
ERFX8L		0.1685	0.0080	0.87	0.1650	0.0018	0.16
GKMR6V		0.1595	-0.0010	-0.11	0.1610	-0.0022	-0.20
GUWY8P		0.1787	0.0182	1.98	0.1803	0.0171	1.55
HDLYCR		0.1500	-0.0105	-1.14	0.1500	-0.0132	-1.20
HM9ZPF		0.1585	-0.0020	-0.22	0.1665	0.0033	0.30
HZW3AT		0.1600	-0.0005	-0.05	0.1600	-0.0032	-0.29
JBT7C3	X	0.2300	0.0695	7.55	0.2320	0.0688	6.25
JJ6MLM		0.1610	0.0005	0.05	0.1650	0.0018	0.16
JVKEAW		0.1465	-0.0140	-1.52	0.1495	-0.0137	-1.25
KH8BLE		0.1620	0.0015	0.16	0.1640	0.0008	0.07
KLQN3V		0.1555	-0.0050	-0.54	0.1585	-0.0047	-0.43

		Sample SA33			Sample SA34		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
LD9G2H		0.1650	0.0045	0.49	0.1660	0.0028	0.25
LJEBXY		0.1600	-0.0005	-0.05	0.1630	-0.0002	-0.02
LP3XQJ		0.1620	0.0015	0.16	0.1680	0.0048	0.44
MJDXRH		0.1529	-0.0076	-0.83	0.1564	-0.0068	-0.62
NRNGNL		0.1630	0.0025	0.27	0.1640	0.0008	0.07
QEUJX8		0.1715	0.0110	1.20	0.1700	0.0068	0.62
RPJZZE		0.1584	-0.0021	-0.23	0.1641	0.0009	0.08
TP448E		0.1690	0.0085	0.92	0.1800	0.0168	1.53
TZZ2YK		0.1500	-0.0105	-1.14	0.1500	-0.0132	-1.20
U7MCNA		0.1700	0.0095	1.03	0.1800	0.0168	1.53
UL2HXM	X	0.1641	0.0036	0.39	0.1417	-0.0215	-1.96
UMAW39		0.1720	0.0115	1.25	0.1780	0.0148	1.34
VC3E6B		0.1605	0.0000	0.00	0.1660	0.0028	0.25
W94HYF		0.1435	-0.0170	-1.85	0.1445	-0.0187	-1.70
W9M4Q7		0.1675	0.0070	0.76	0.1700	0.0068	0.62
XFHJV6		0.1630	0.0025	0.27	0.1730	0.0098	0.89
XWLXEJ		0.1570	-0.0035	-0.38	0.1570	-0.0062	-0.56
YPNQB6	*	0.1600	-0.0005	-0.05	0.1735	0.0103	0.94
ZDLPB6		0.1750	0.0145	1.58	0.1800	0.0168	1.53

Summary Statistics

Grand Means
0.16050 Absorbance Units   0.16321 Absorbance Units

Stnd Dev Btwn Labs
0.00920 Absorbance Units   0.01100 Absorbance Units

Statistics based on 49 of 54 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #915

E8BE2P (X) - Data for both samples are high.

2FQYG8 (X) - Data for both samples are low.

8WTM99 (X) - Data for both samples are high. Inconsistent within the determinations of both samples.

UL2HXM (X) - Inconsistent in testing between samples.

JBT7C3 (X) - Data for both samples are high.
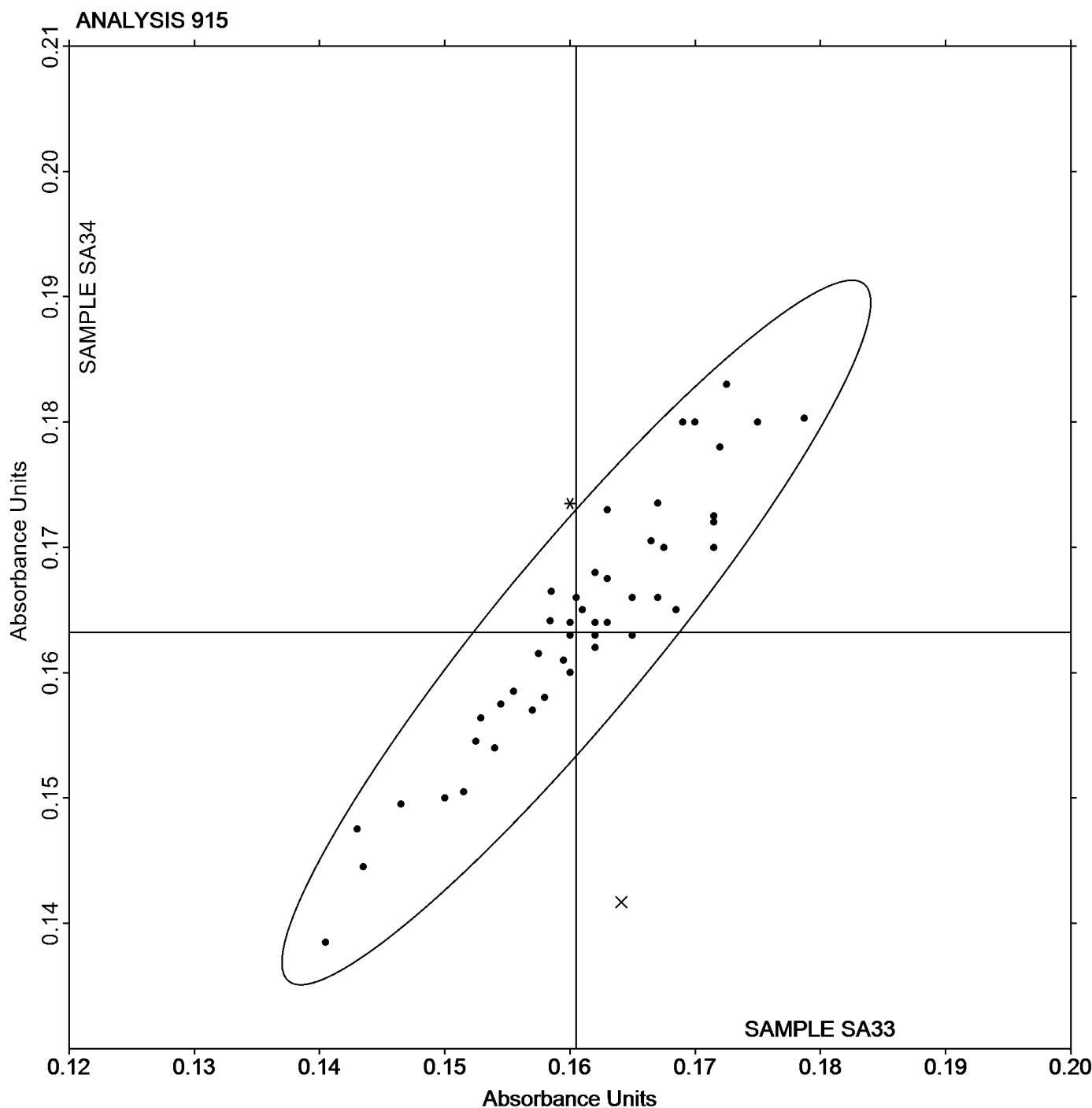
WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2C9GJW		0.1365	-0.0023	-0.30	0.1385	-0.0010	-0.12
2EFU66		0.1415	0.0027	0.35	0.1385	-0.0010	-0.12
2EUGE7		0.1345	-0.0043	-0.56	0.1375	-0.0020	-0.24
2FQYG8	X	0.0450	-0.0938	-12.22	0.0485	-0.0910	-10.93
4XYLDZ		0.1355	-0.0033	-0.43	0.1365	-0.0030	-0.36
62B94A	X	0.1480	0.0092	1.20	0.1600	0.0205	2.46
6UCFX2		0.1360	-0.0028	-0.36	0.1365	-0.0030	-0.36
73NW62		0.1435	0.0047	0.61	0.1460	0.0065	0.78
7MTFF4	*	0.1165	-0.0223	-2.91	0.1135	-0.0260	-3.13
7PCRUY		0.1440	0.0052	0.68	0.1480	0.0085	1.02
7TZ7H9		0.1465	0.0077	1.00	0.1475	0.0080	0.96
87Z43Y		0.1215	-0.0173	-2.25	0.1195	-0.0200	-2.41
8TRJH7		0.1450	0.0062	0.81	0.1475	0.0080	0.96
8WTM99	X	0.2500	0.1112	14.49	0.2250	0.0855	10.26
9CZ4UZ		0.1430	0.0042	0.55	0.1430	0.0035	0.42
BY84CW		0.1280	-0.0108	-1.41	0.1310	-0.0085	-1.03
CMAHPY		0.1415	0.0027	0.35	0.1445	0.0050	0.60
CNMEU3		0.1450	0.0062	0.81	0.1450	0.0055	0.66
CZWUYM		0.1375	-0.0013	-0.17	0.1340	-0.0055	-0.66
DKJXWY		0.1410	0.0022	0.29	0.1390	-0.0005	-0.06
E8BE2P	X	1.7000	1.5612	203.46	1.7000	1.5605	187.37
EGC3Q2		0.1420	0.0032	0.42	0.1420	0.0025	0.30
EM2J3R		0.1375	-0.0013	-0.17	0.1395	0.0000	0.00
EQ2VYR		0.1315	-0.0073	-0.95	0.1325	-0.0070	-0.85
ERFX8L		0.1380	-0.0008	-0.10	0.1355	-0.0040	-0.48
GKMR6V		0.1385	-0.0003	-0.04	0.1380	-0.0015	-0.18
GUWY8P		0.1541	0.0153	2.00	0.1560	0.0165	1.98
HDLYCR	*	0.1350	-0.0038	-0.49	0.1300	-0.0095	-1.15
HM9ZPF		0.1390	0.0002	0.03	0.1420	0.0025	0.30
HZW3AT		0.1400	0.0012	0.16	0.1400	0.0005	0.06
JBT7C3	X	0.1920	0.0532	6.93	0.1930	0.0535	6.42
JJ6MLM		0.1380	-0.0008	-0.10	0.1390	-0.0005	-0.06
JVKEAW		0.1295	-0.0093	-1.21	0.1300	-0.0095	-1.15
KH8BLE		0.1410	0.0022	0.29	0.1420	0.0025	0.30
KLQN3V		0.1360	-0.0028	-0.36	0.1390	-0.0005	-0.06

WebCode	Data Flag	Sample SA33			Sample SA34		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
LD9G2H		0.1385	-0.0003	-0.04	0.1395	0.0000	0.00
LJEBXY		0.1393	0.0005	0.06	0.1408	0.0012	0.15
LP3XQJ		0.1415	0.0027	0.35	0.1420	0.0025	0.30
MJDXRH		0.1301	-0.0087	-1.13	0.1311	-0.0084	-1.01
NRNGNL		0.1400	0.0012	0.16	0.1390	-0.0005	-0.06
QEUJX8		0.1460	0.0072	0.94	0.1450	0.0055	0.66
RPJZZE		0.1315	-0.0073	-0.96	0.1339	-0.0056	-0.68
TP448E		0.1420	0.0032	0.42	0.1455	0.0060	0.72
TZZ2YK		0.1500	0.0112	1.46	0.1500	0.0105	1.26
U7MCNA	*	0.1600	0.0212	2.76	0.1600	0.0205	2.46
UL2HXM	X	0.1663	0.0275	3.59	0.1484	0.0089	1.06
UMAW39		0.1430	0.0042	0.55	0.1440	0.0045	0.54
VC3E6B		0.1400	0.0012	0.16	0.1420	0.0025	0.30
W94HYF		0.1260	-0.0128	-1.67	0.1260	-0.0135	-1.63
W9M4Q7		0.1440	0.0052	0.68	0.1460	0.0065	0.78
XFHJV6		0.1435	0.0047	0.61	0.1485	0.0090	1.08
XWLXEJ		0.1320	-0.0068	-0.89	0.1340	-0.0055	-0.66
YPNQB6	X	0.1350	-0.0038	-0.49	0.1435	0.0040	0.48
ZDLPB6	X	0.2050	0.0662	8.63	0.2050	0.0655	7.86

Summary Statistics

Grand Means

    0.13879 Absorbance Units   0.13954 Absorbance Units

Stnd Dev Btwn Labs

    0.00767 Absorbance Units   0.00833 Absorbance Units

Statistics based on 46 of 54 reporting participants

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #916

ZDLPB6 (X) - Data for both samples are high. Inconsistent within the determinations of both samples.

YPNQB6 (X) - Inconsistent in testing between samples.

E8BE2P (X) - Data for both samples are high.

2FQYG8 (X) - Data for both samples are low.

8WTM99 (X) - Data for both samples are high. Inconsistent within the determinations of both samples.

62B94A (X) - Inconsistent in testing between samples.

UL2HXM (X) - Data for sample SA33 are high.

JBT7C3 (X) - Data for both samples are high.

ASEV-CTS Wine Industry Interlaboratory Testing Program
Research Property 950
Research Property - Citric Acid
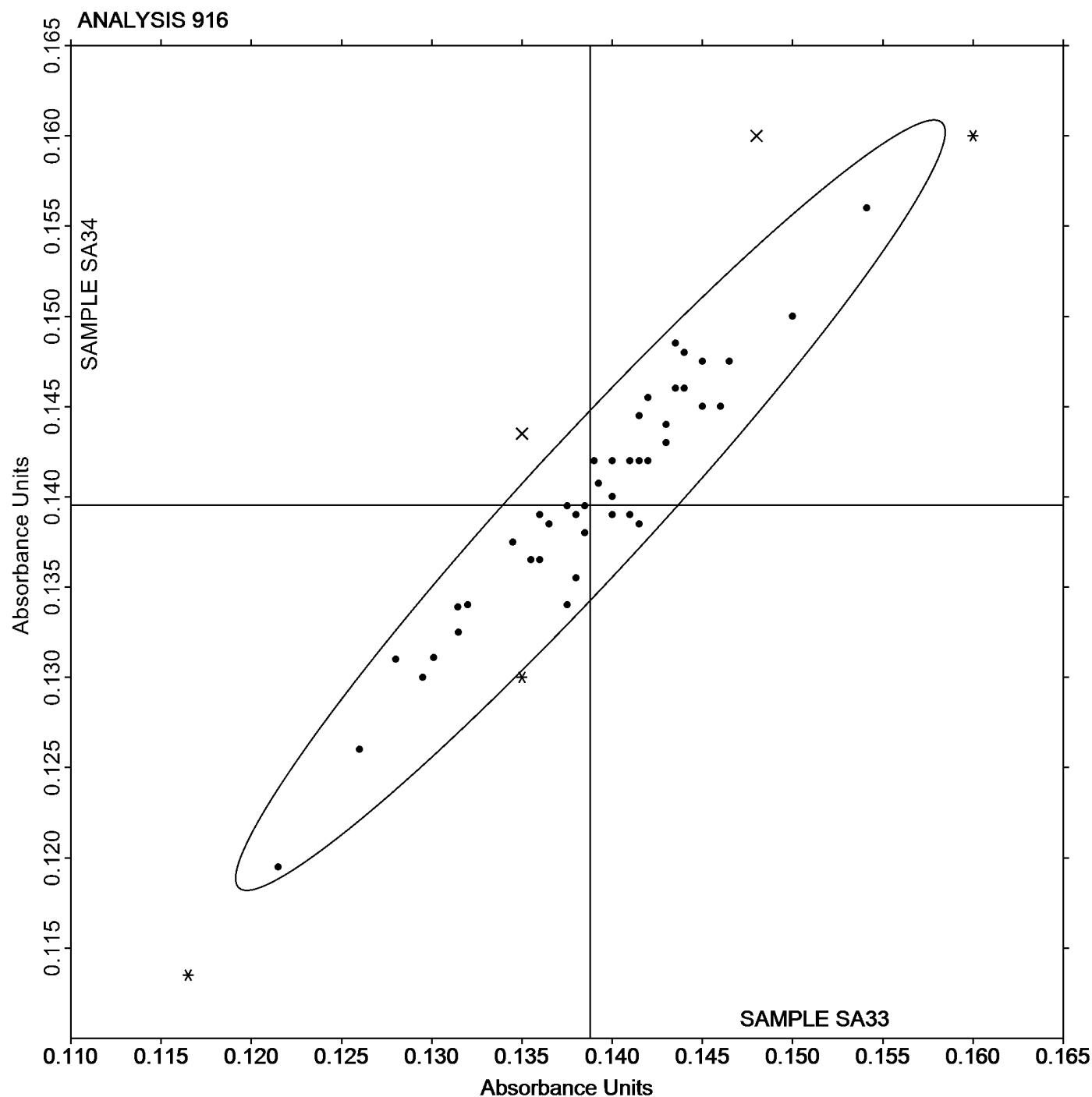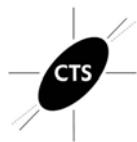
Report #067
Spring 2021

| | | Sample SA33 | | | | Sample SA34 | | |
WebCode	Data Flag	Lab Mean	Diff from Target Value	% Diff from Target Value		Lab Mean	Diff from Target Value	% Diff from Target Value
6UCFX2		0.2800	0.0026	0.05		0.2800	0.0008	0.01
7MTFF4		0.4300	0.1526	2.87		0.4450	0.1658	2.87
87Z43Y		0.2815	0.0041	0.08		0.2830	0.0038	0.07
D7GA3K		0.2550	-0.0224	-0.42		0.2400	-0.0392	-0.68
GUWY8P		0.2400	-0.0374	-0.70		0.2400	-0.0392	-0.68
HM9ZPF		0.2800	0.0026	0.05		0.2850	0.0058	0.10
JBT7C3		0.2290	-0.0484	-0.91		0.2360	-0.0432	-0.75
KH8BLE		0.2700	-0.0074	-0.14		0.2675	-0.0117	-0.20
NRNGNL		0.2608	-0.0166	-0.31		0.2595	-0.0197	-0.34
QEUJX8		0.2600	-0.0174	-0.33		0.2650	-0.0142	-0.25
YPNQB6		0.2650	-0.0124	-0.23		0.2700	-0.0092	-0.16

**Research Property Consensus Value**

| Consensus Average | 0.27739 g/L | 0.27918 g/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 11 reporting participants.
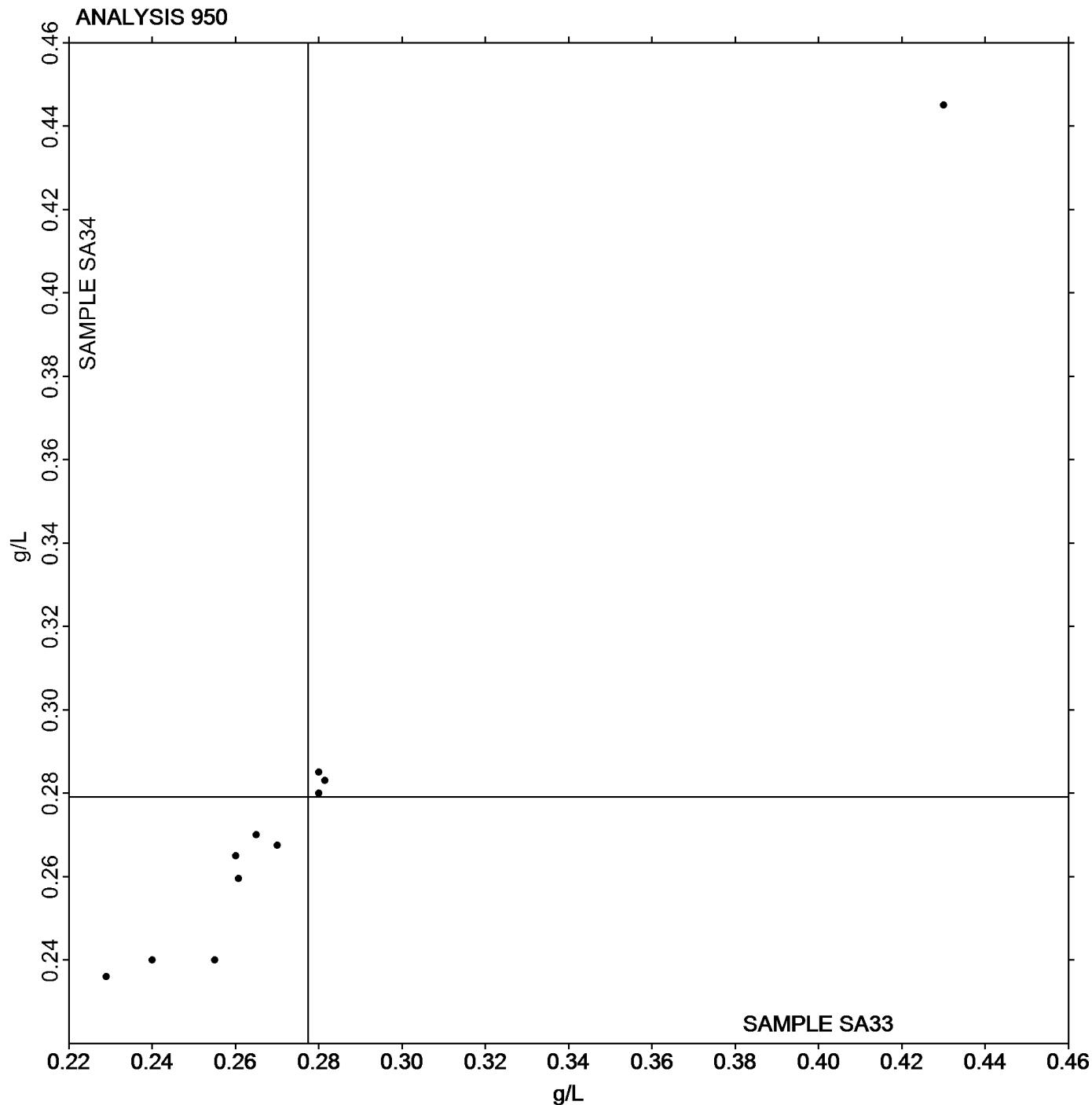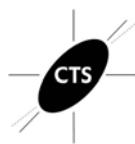
Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

ASEV-CTS Wine Industry Interlaboratory Testing Program
Research Property 950
Research Property - Citric Acid

Report #067
Spring 2021

ANALYSIS 950

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: Potassium Sorbate as Sorbic Acid

Report #067
Spring 2021
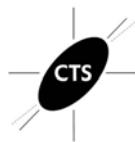
		Sample SA33				Sample SA34		
WebCode	Data Flag	Lab Mean	Diff from Target Value	% Diff from Target Value		Lab Mean	Diff from Target Value	% Diff from Target Value
486KQ8	X	100.5	-57.4	-7.40		101.5	-57.9	-6.29
6UCFX2		151.0	-6.9	-0.89		151.0	-8.4	-0.91
87Z43Y		143.0	-14.9	-1.93		148.5	-10.9	-1.18
BY84CW	*	163.3	5.4	0.69		180.4	21.0	2.29
CNMEU3		165.0	7.1	0.91		166.0	6.6	0.72
D7GA3K		161.0	3.1	0.39		161.5	2.1	0.23
EGC3Q2		162.0	4.1	0.52		158.0	-1.4	-0.15
ERFX8L		165.5	7.6	0.97		169.5	10.1	1.10
GUWY8P		143.0	-14.9	-1.93		147.0	-12.4	-1.34
HM9ZPF		166.5	8.6	1.10		169.0	9.6	1.05
JBT7C3		154.0	-3.9	-0.51		153.0	-6.4	-0.69
JF6BN3		163.0	5.1	0.65		164.5	5.1	0.56
KH8BLE		166.5	8.6	1.10		166.0	6.6	0.72
MHME7J		153.0	-4.9	-0.64		150.5	-8.9	-0.96
QEUJX8		156.5	-1.4	-0.19		159.0	-0.4	-0.04
UL2HXM		166.0	8.1	1.04		165.0	5.6	0.61
W94HYF		154.5	-3.4	-0.44		156.5	-2.9	-0.31
W9M4Q7		162.0	4.1	0.52		163.0	3.6	0.40
YPNQB6		158.0	0.1	0.01		155.5	-3.9	-0.42
YRPXB9		147.0	-10.9	-1.41		144.0	-15.4	-1.67

| **Research Property Consensus Value**		
Consensus Average	157.94 mg/L	159.36 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 19 reporting participants.

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #951

486KQ8 (X) - Data for both samples are low.
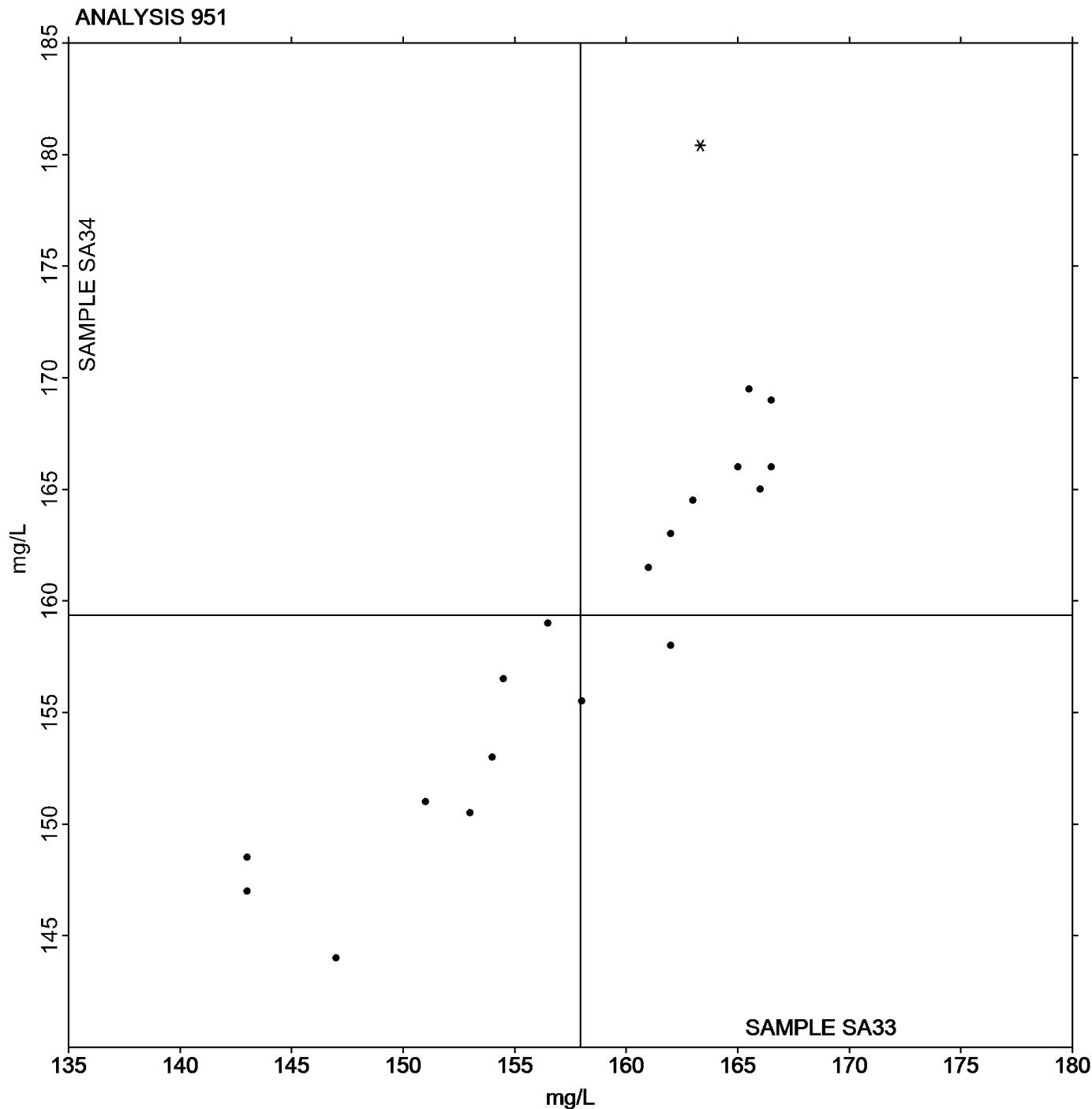
ASEV-CTS Wine Industry Interlaboratory Testing Program
Research Property 951
Research: Potassium Sorbate as Sorbic Acid

Report #067
Spring 2021

ANALYSIS 951

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

		Sample SA33				Sample SA34		
WebCode	Data Flag	Lab Mean	Diff from Target Value	% Diff from Target Value		Lab Mean	Diff from Target Value	% Diff from Target Value
6UCFX2		67.50	-7.16	-1.65		78.50	3.49	1.08
D7GA3K		79.00	4.34	1.00		74.50	-0.52	-0.16
GDRRTN		80.50	5.84	1.34		79.00	3.99	1.23
GUWY8P		69.00	-5.66	-1.30		69.00	-6.02	-1.86
JBT7C3		77.00	2.34	0.54		76.00	0.98	0.30
JF6BN3	X	1,310.00	1,235.34	283.98		1,310.00	1,234.99	381.18
KH8BLE		76.10	1.44	0.33		76.65	1.64	0.50
MHME7J		78.50	3.84	0.88		77.50	2.49	0.77
QEUJX8		73.50	-1.16	-0.27		73.00	-2.02	-0.62
YPNQB6		74.00	-0.66	-0.15		75.00	-0.02	0.00
YRPXB9		71.50	-3.16	-0.73		71.00	-4.02	-1.24

| Research Property Consensus Value		
Consensus Average	74.660 mg/L	75.015 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 10 reporting participants.

Wines tested: SA33: Pink Moscato; SA34: Pink Moscato

Comments on Assigned Data Flags for Test #952

JF6BN3 (X) - Extreme data.
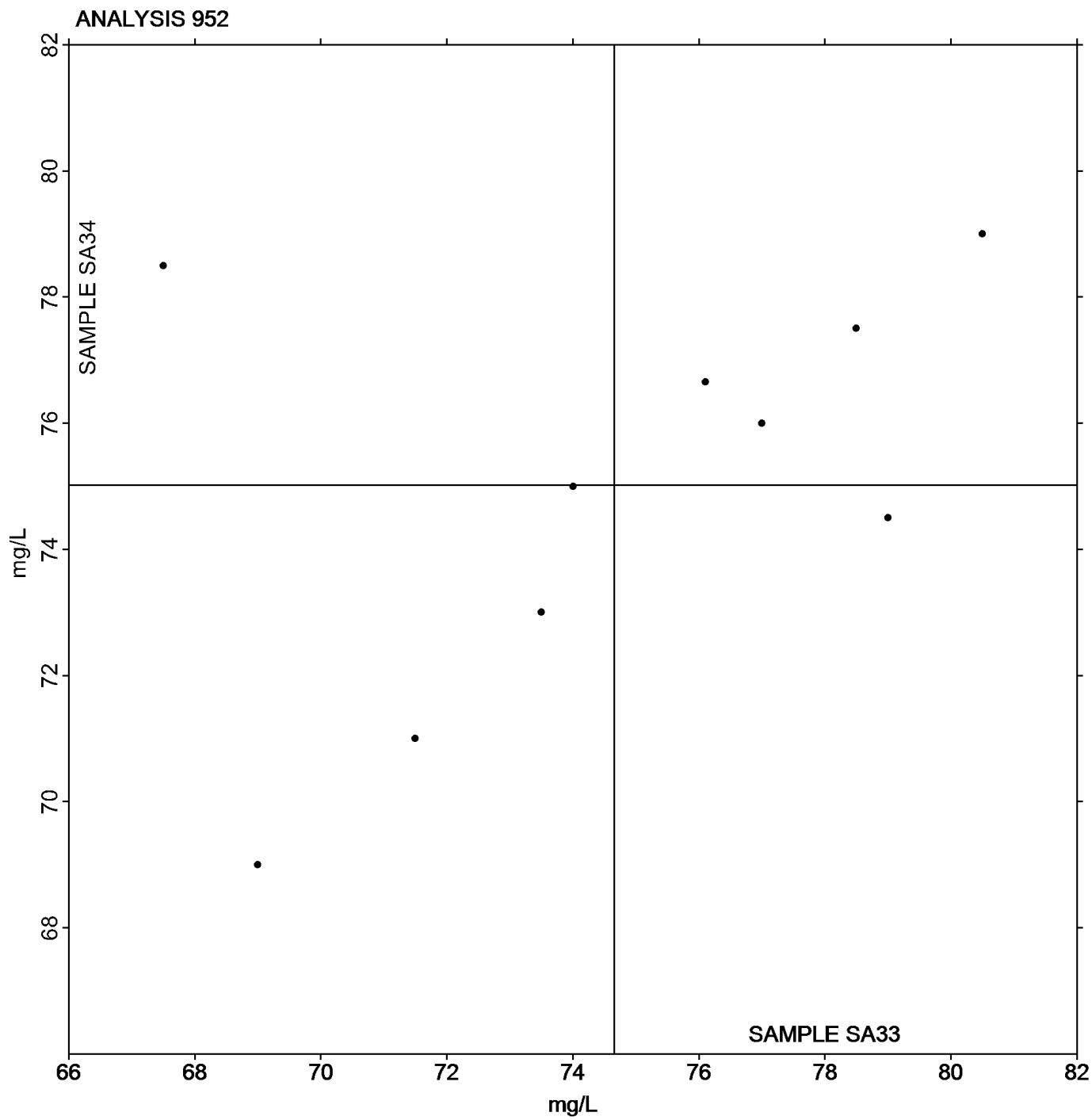
ANALYSIS 952

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-