Collaborative Testing Services, Inc.

Plastics Interlaboratory Testing Program

Web Summary Report #133, 1st Qtr 2025

Analysis	Analysis Name
704	Tensile Stress at Yield, Plastic Samples
705	Tensile Stress at Break, Plastic Samples
706	Percent Elongation at Yield, Plastic Samples
708	Modulus of Elasticity, Plastic Samples
710	Deflection Temp. Under Flexural Load (1.82 MPa)
711	Deflection Temp. Under Flexural Load (0.455 MPa)
712	Temp. of Deflection Under Flexural Load 1.80 MPa
715	Vicat Softening Temperature (Rate A)
716	Vicat Softening Temperature (Rate B)
718	Specific Gravity
720	Flexural Modulus
721	Flexural Stress at 5% Strain
722	Flexural Stress at Yield
730	Tensile Stress at Yield, ISO Plastic Samples
731	Tensile Stress at Break, ISO Plastic Samples
732	Percent Strain at Yield, ISO Plastic Samples
734	Modulus of Elasticity, ISO Plastic Samples
736	Flexural Modulus, ISO Plastic Samples
737	Flexural Stress at 3.5% Strain
738	Flexural Stress at Yield
750	Flow Rates of Thermoplastics (2.16 kg load)
755	Moisture Content of Plastics
757	Ash Content in Thermoplastics
758	Thermogravimetric Analysis
760	DSC Crystallization Temperature
761	DSC Melt Temperature
762	DSC Enthalpy of Crystallization
763	DSC Enthalpy of Fusion
764	DSC Glass Transition Temperature
765	DSC Crystallization Peak Temperature - Research
766	DSC Melting Peak Temperature - Research
767	DSC Heat of Crystallization - Research
768	DSC Heat of Fusion - Research
769	DSC Glass Transition Temperature - Research
770	Tensile Stress at Yield, Film Samples
771	Tensile Stress at Break, Film Samples
772	Percent Elongation at Yield, Film Samples
773	Percent Elongation at Break, Film Samples
774	Thickness of Film Tensile Samples
775	Secant Modulus at 1% Strain
776	Secant Modulus at 2% Strain
780	Coefficient of Friction: Static
781	Coefficient of Friction: Kinetic
782	Tear Resistance of Films
785	Optical Properties of Films - Percent Haze
786	Optical Properties of Films: % Transmittance
790	Notched Izod Impact
791	Notched Izod Impact (ISO)
792	Notched Charpy Impact, ISO Plastic Samples

About CTS and the Plastics Interlaboratory Program

Founded in 1971, Collaborative Testing Services, Inc. (CTS) is a privately-owned company that specializes in interlaboratory tests for a wide variety of industries including rubber, plastics, fasteners and metals, containerboard, paper, color, 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 control objectives. Labs from the U.S., as well as more than 100 countries currently participate in CTS programs.

Collaborative Testing Services initiated the Collaborative Reference Program for PLASTICS in 1992 at the request of industry, ASTM committee D-20 members, and accrediting bodies. Additional test methods are always under review and are incorporated into the program when possible.

The program allows laboratories to compare periodically the level and uniformity of their testing with that of other participating laboratories. It also provides a realistic assessment of the state of plastics testing proficiency.

For each test there is a summary of the statistics for the analysis and a graphical representation of the data. Also shown are notes concerning specific laboratory results, as well as significant findings related to instrument types or other testing variations. Refer to the KEY FOR SUMMARY REPORT for an explanation of terms and guidelines for interpreting the results.

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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 Plastics 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.

Inst Code — A code indicating the manufacturer of the instrument used to perform the test (see separate INSTRUMENT CODE LIST for each test section) if instruments are tracked.

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 at least 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.

Plastics Interlaboratory Testing Program

Results Summary for Report #133, 1st Qtr 2025

Analysis 704 - Tensile Stress at Yield				
Material: HIPS	Sample F07	3,992.96	psi	2.87% COV
	Sample F08	3,990.23	psi	2.69% COV
Analysis 705 - Tensile Stress at Break				
Material: HIPS	Sample F07	3,315.83	psi	3.90% COV
	Sample F08	3,302.58	psi	3.43% COV
Analysis 706 - Percent Elongation at Yield				
Material: HIPS	Sample F07	1.3557	Percent	4.77% COV
	Sample F08	1.3600	Percent	4.46% COV
Analysis 708 - Modulus of Elasticity				
Material: HIPS	Sample F07	342.34	ksi	3.37% COV
	Sample F08	341.49	ksi	2.64% COV
Analysis 710 - Deflection Temp. Under Flexural Load (1.82 MPa)				
Material: HIPS	Sample E07	78.405	Degrees C	1.21% COV
	Sample E08	78.411	Degrees C	1.18% COV
Analysis 711 - Deflection Temp. Under Flexural Load (0.455 MPa)				
Material: PP	Sample G07	93.289	Degrees C	4.28% COV
	Sample G08	92.404	Degrees C	3.27% COV
Analysis 712 - Temperature of Deflection (1.80 MPa)				
Material: HIPS	Sample N07	78.784	Degrees C	0.773% COV
	Sample N08	78.765	Degrees C	0.742% COV
Analysis 715 - Vicat Temperature (Rate A)				
Material: HIPS	Sample H07	96.254	Degrees C	0.511% COV
	Sample H08	96.283	Degrees C	0.428% COV
Analysis 716 - Vicat Temperature (Rate B)				
Material: HIPS	Sample R07	98.094	Degrees C	0.665% COV
	Sample R08	98.112	Degrees C	0.632% COV
Analysis 718 - Specific Gravity				
Material: ABS	Sample T07	1.0412	sp gr 23/23 C	0.240% COV
	Sample T08	1.0414	sp gr 23/23 C	0.226% COV
Analysis 720 - Flexural Modulus				
Material: ABS	Sample J07	369.71	ksi	5.06% COV
	Sample J08	370.48	ksi	4.91% COV
Analysis 721 - Flexural Stress at 5% Strain				
Material: ABS	Sample J07	10,366.14	psi	4.18% COV
	Sample J08	10,417.82	psi	4.32% COV
Analysis 722 - Flexural Stress at Yield				
Material: ABS	Sample J07	10,416.57	psi	4.60% COV
	Sample J08	10,468.68	psi	4.97% COV
Analysis 730 - Tensile Stress at Yield, ISO Method				
Material: HIPS	Sample C07	26.580	MPa	2.27% COV
	Sample C08	26.578	MPa	2.30% COV
Analysis 731 - Tensile Stress at Break, ISO Method				
Material: HIPS	Sample C07	21.642	MPa	3.46% COV
	Sample C08	21.629	MPa	3.21% COV

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Analysis 732 - Strain at Yield, ISO Method				
Material: HIPS	Sample C07	1.2969	Percent	8.07% COV
	Sample C08	1.2960	Percent	8.59% COV
Analysis 734 - Modulus of Elasticity, ISO Method				
Material: HIPS	Sample C07	2,313.13	MPa	3.20% COV
	Sample C08	2,307.48	MPa	3.64% COV
Analysis 736 - Flexural Modulus				
Material: HIPS	Sample K07	2,325.74	MPa	4.33% COV
	Sample K08	2,323.75	MPa	4.29% COV
Analysis 737 - Flexural Stress at 3.5% Strain				
Material: HIPS	Sample K07	41.999	MPa	3.04% COV
	Sample K08	41.952	MPa	3.11% COV
Analysis 738 - Flexural Stress at Yield				
Material: HIPS	Sample K07	42.661	MPa	2.49% COV
	Sample K08	42.640	MPa	2.58% COV
Analysis 750 - Flow Rate (190C or 230C/2.16 kg)				
Material: HDPE	Sample X07	6.6809	grams/10 mins	3.40% COV
	Sample X08	6.6601	grams/10 mins	3.26% COV
Analysis 755 - Moisture Content				
Material: ABS	Sample Y07	0.12049	Percent	10.6% COV
	Sample Y08	0.12313	Percent	11.7% COV
Analysis 757 - Ash Content				
Material: PP	Sample L07	20.788	Percent	0.239% COV
	Sample L08	20.807	Percent	0.175% COV
Analysis 758 - TGA				
Material: PBT	Sample A07	67.689	Percent	6.38% COV
	Sample A08	67.852	Percent	5.63% COV
Analysis 760 - DSC Crystallization Temperature				
Material: PP	Sample W07	106.50	Degrees Celsius	2.60% COV
	Sample W08	106.61	Degrees Celsius	2.77% COV
Analysis 761 - DSC Melt Temperature				
Material: PP	Sample W07	165.85	Degrees Celsius	1.27% COV
	Sample W08	165.78	Degrees Celsius	1.24% COV
Analysis 762 - DSC Enthalpy of Crystallization				
Material: PP	Sample W07	98.285	Joules Per Gram	5.62% COV
	Sample W08	98.972	Joules Per Gram	5.38% COV
Analysis 763 - DSC Enthalpy of Fusion				
Material: PP	Sample W07	94.185	Joules Per Gram	8.07% COV
	Sample W08	94.843	Joules Per Gram	8.63% COV
Analysis 764 - DSC Glass Transition Temperature				
Material: ABS	Sample V07	108.01	Degrees Celsius	2.20% COV
	Sample V08	108.10	Degrees Celsius	2.35% COV
Analysis 765 - Research Crystallization Peak Temperature				
Material: PP	Sample W07	108.03	Degrees Celsius	4.58% COV
	Sample W08	108.11	Degrees Celsius	5.00% COV

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Analysis 766 - Research Melting Peak Temperature				
Material: PP	Sample W07	165.08	Degrees Celsius	1.05% COV
	Sample W08	165.17	Degrees Celsius	1.08% COV
Analysis 767 - Research Heat of Crystallization				
Material: PP	Sample W07	95.329	Joules Per Gram	5.10% COV
	Sample W08	96.054	Joules Per Gram	5.31% COV
Analysis 768 - Research Heat of Fusion				
Material: PP	Sample W07	92.449	Joules Per Gram	8.93% COV
	Sample W08	93.001	Joules Per Gram	9.46% COV
Analysis 769 - Research Glass Transition Temperature				
Material: ABS	Sample V07	106.89	Degrees Celsius	2.02% COV
	Sample V08	106.79	Degrees Celsius	2.38% COV
Analysis 770 - Tensile Stress at Yield, Films				
Material: LDPE	Sample B07	1,940.88	psi	4.36% COV
	Sample B08	2,201.31	psi	5.30% COV
Analysis 771 - Tensile Stress at Break, Films				
Material: LDPE	Sample B07	3,563.78	psi	15.7% COV
	Sample B08	3,934.14	psi	19.2% COV
Analysis 772 - Elongation at Yield, Films				
Material: LDPE	Sample B07	79.906	Percent	12.2% COV
	Sample B08	113.01	Percent	30.2% COV
Analysis 773 - Elongation at Break, Films				
Material: LDPE	Sample B07	727.81	Percent	26.0% COV
	Sample B08	742.30	Percent	31.2% COV
Analysis 774 - Thickness of Film Specimens				
Material: LDPE	Sample B07	3.7294	mils	3.37% COV
	Sample B08	3.8900	mils	4.15% COV
Analysis 775 - Secant Modulus at 1% Strain				
Material: LDPE	Sample B07	32,702.62	psi	10.9% COV
	Sample B08	34,283.88	psi	12.8% COV
Analysis 776 - Secant Modulus at 2% Strain				
Material: LDPE	Sample B07	31,468.20	psi	21.2% COV
	Sample B08	31,728.29	psi	19.8% COV
Analysis 780 - Static Friction				
Material: LDPE	Sample P07	0.20110	COF	10.6% COV
	Sample P08	0.19930	COF	13.8% COV
Analysis 781 - Kinetic Friction				
Material: LDPE	Sample P07	0.16300	COF	13.0% COV
	Sample P08	0.12953	COF	14.3% COV
Analysis 782 - Tear Resistance of Film				
Material: LDPE	Sample Q07	309.78	grams-force	22.0% COV
	Sample Q08	310.83	grams-force	19.3% COV
Analysis 785 - Percent Haze				
Material: LDPE	Sample D07	11.701	Percent	7.52% COV
	Sample D08	11.633	Percent	8.27% COV

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Analysis 786 - Total Transmittance

Material: LDPE	Sample D07	92.365	Percent	2.56% COV
	Sample D08	92.403	Percent	2.53% COV

Analysis 790 - Notched Izod Impact

Material: ABS/PC	Sample S07	10.341	ft.lbf/in	5.91% COV
	Sample S08	10.351	ft.lbf/in	6.02% COV

Analysis 791 - Notched Izod Impact

Material: ABS/PC	Sample Z07	44.105	kJ/m^2	5.57% COV
	Sample Z08	44.319	kJ/m^2	5.74% COV

Analysis 792 - Notched Charpy Impact

Material: HIPS	Sample M07	8.4559	kJ/m^2	3.73% COV
	Sample M08	8.4659	kJ/m^2	3.12% COV

WebCode	Data Flag	Sample F07 Lab Mean	Sample F07 Diff from Grand Mean	Sample F07 CPV	Sample F08 Lab Mean	Sample F08 Diff from Grand Mean	Sample F08 CPV
2RXVHA	X	3,512.0	-481.0	-4.20	2,834.0	-1,156.2	-10.79
394CAU		4,076.0	83.0	0.72	3,986.0	-4.2	-0.04
3FXLAQ		3,937.4	-55.6	-0.49	3,896.4	-93.8	-0.88
3P9NVR		4,054.0	61.0	0.53	4,118.0	127.8	1.19
4MVQMT		4,098.2	105.2	0.92	4,075.2	85.0	0.79
4V9HDQ		3,975.8	-17.2	-0.15	3,997.3	7.0	0.07
76CCKN		3,976.0	-17.0	-0.15	4,036.0	45.8	0.43
77FCAM		4,097.2	104.2	0.91	4,092.8	102.6	0.96
83ZYD7		4,079.3	86.4	0.75	4,077.1	86.9	0.81
86KT9L	*	3,675.7	-317.3	-2.77	3,681.5	-308.8	-2.88
9QG6DX		4,206.1	213.2	1.86	4,206.1	215.9	2.01
9X3ZE2		3,959.0	-34.0	-0.30	3,956.1	-34.1	-0.32
BXCNRX		4,013.4	20.4	0.18	3,998.2	8.0	0.07
CTFJCY		3,918.2	-74.8	-0.65	4,022.8	32.6	0.30
D4T2LG		3,880.1	-112.9	-0.99	3,985.1	-5.1	-0.05
DFLHBH		4,090.1	97.2	0.85	4,089.7	99.5	0.93
DX2QCJ		3,896.6	-96.4	-0.84	3,857.8	-132.4	-1.24
E3AG9X	X	6,138.0	2,145.0	18.73	6,134.0	2,143.8	20.00
E8AMTU		3,891.2	-101.8	-0.89	3,934.4	-55.8	-0.52
G8K44D		4,032.0	39.0	0.34	4,076.0	85.8	0.80
GE3FEU		4,119.1	126.1	1.10	4,124.9	134.7	1.26
GQU9KV		4,156.4	163.4	1.43	4,133.2	143.0	1.33
GY7KJE		4,138.5	145.6	1.27	4,191.6	201.3	1.88
HEZADP	*	3,840.6	-152.4	-1.33	3,756.8	-233.4	-2.18
J8R8LU		3,793.3	-199.6	-1.74	3,856.7	-133.6	-1.25
JA2D3P		4,138.2	145.2	1.27	4,093.6	103.4	0.96
KHMVWN		3,979.2	-13.8	-0.12	3,975.2	-15.0	-0.14
L3NCVQ		3,960.1	-32.8	-0.29	3,912.9	-77.4	-0.72
LNTRHA		3,834.0	-159.0	-1.39	3,847.8	-142.4	-1.33
MCCJU8		4,002.3	9.3	0.08	3,995.6	5.4	0.05
MRL989		4,010.4	17.4	0.15	3,962.2	-28.0	-0.26
NPVDZ7		3,932.6	-60.4	-0.53	3,939.2	-51.0	-0.48
NX8NB7		3,870.1	-122.8	-1.07	3,914.0	-76.2	-0.71
PKGBBF		3,916.9	-76.0	-0.66	4,000.8	10.5	0.10
QRRYHM		4,221.0	228.0	1.99	4,179.0	188.8	1.76

WebCode	Data Flag	Sample F07 Lab Mean	Sample F07 Diff from Grand Mean	Sample F07 CPV	Sample F08 Lab Mean	Sample F08 Diff from Grand Mean	Sample F08 CPV
RLJTLG		3,977.2	-15.8	-0.14	3,956.4	-33.8	-0.32
TKA6N3		4,100.0	107.0	0.93	4,000.0	9.8	0.09
U28UBJ		3,993.8	0.8	0.01	3,981.6	-8.6	-0.08
UTEC2G		3,926.8	-66.2	-0.58	3,947.7	-42.6	-0.40
UYKB7E		4,026.0	33.0	0.29	4,014.0	23.8	0.22
VDXXYA		3,968.0	-25.0	-0.22	3,925.0	-65.2	-0.61
VRJFPR		4,004.0	11.0	0.10	4,018.0	27.8	0.26
VXJVDE	*	4,242.6	249.6	2.18	4,112.2	122.0	1.14
W7HH7Z		3,873.2	-119.8	-1.05	3,825.8	-164.4	-1.53
WTAWJ2		3,891.8	-101.2	-0.88	3,920.6	-69.6	-0.65
XBJBBF		4,008.6	15.6	0.14	3,932.9	-57.3	-0.54
YD7CU9		3,988.0	-5.0	-0.04	4,010.9	20.7	0.19
YEJNTD		3,885.2	-107.7	-0.94	3,889.2	-101.1	-0.94
YFRXKB		4,067.1	74.2	0.65	4,035.8	45.6	0.43
YUQ3T8		3,940.8	-52.2	-0.46	3,991.0	0.8	0.01
Z2AKNU	X	3,614.0	-379.0	-3.31	3,752.0	-238.2	-2.22

Summary Statistics

	Sample F07	Sample F08
Grand Means	3,992.96 psi	3,990.23 psi
Stnd Dev Btwn Labs	114.54 psi	107.17 psi

Statistics based on 48 of 51 reporting participants

Sample F07: HIPS & Sample F08: HIPS

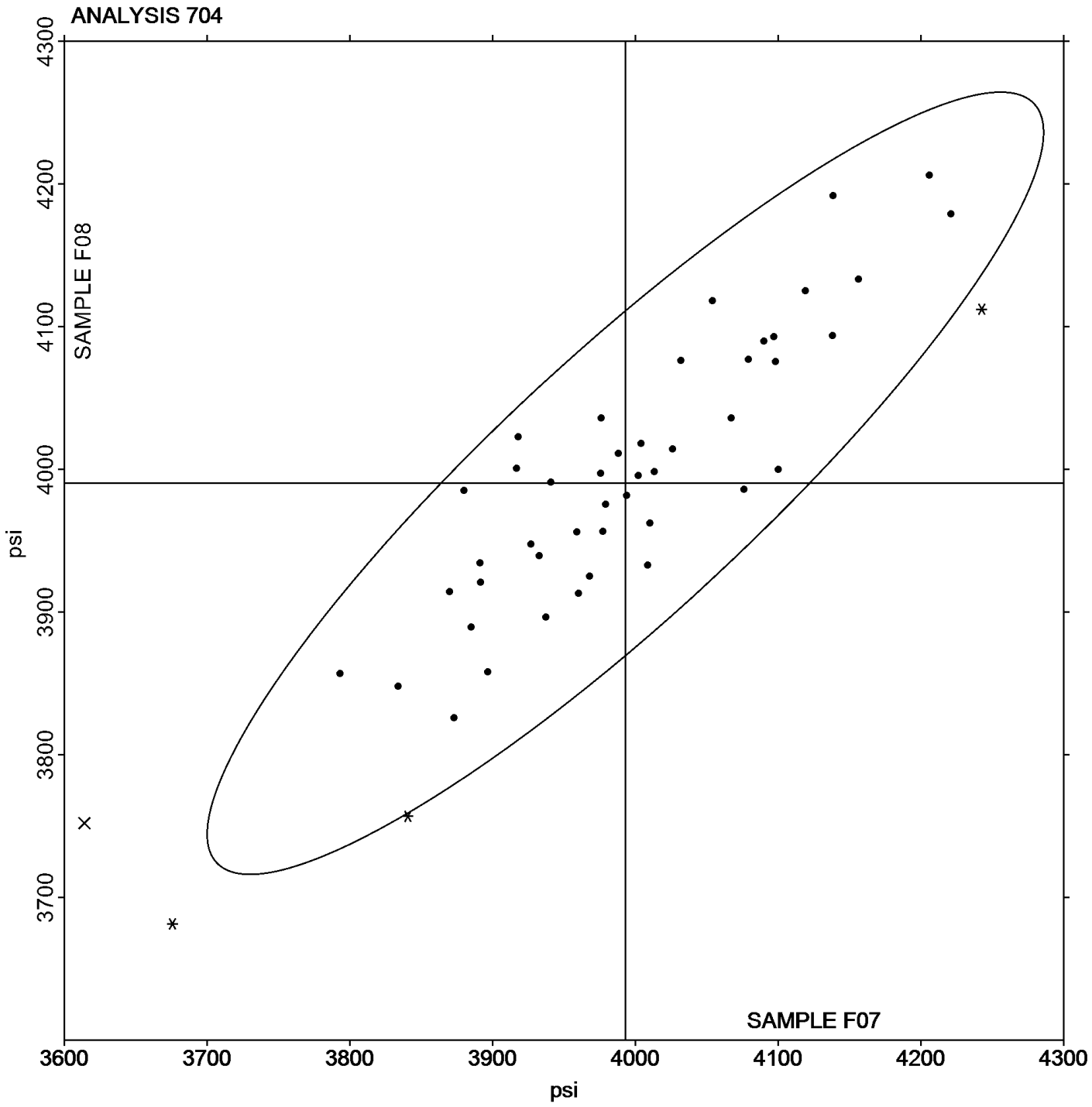
Comments on Assigned Data Flags for Test #704

Z2AKNU (X) - Data for sample F07 are low. Inconsistent within the determinations of both samples.

2RXVHA (X) - Data for both samples are low. Possible Systematic Error.

E3AG9X (X) - Extreme data.

Grand Mean Sample F07: 3,992.96 psi Grand Mean Sample F08: 3,990.23 psi



WebCode	Data Flag	Sample F07 Lab Mean	Sample F07 Diff from Grand Mean	Sample F07 CPV	Sample F08 Lab Mean	Sample F08 Diff from Grand Mean	Sample F08 CPV
2RXVHA	X	2,720.0	-595.8	-4.61	2,136.0	-1,166.6	-10.29
394CAU		3,374.0	58.2	0.45	3,300.0	-2.6	-0.02
3FXLAQ		3,250.7	-65.2	-0.50	3,278.6	-23.9	-0.21
3P9NVR		3,285.4	-30.4	-0.24	3,314.6	12.0	0.11
4MVQMT		3,412.6	96.8	0.75	3,299.8	-2.8	-0.02
4V9HDQ		3,217.0	-98.9	-0.76	3,214.1	-88.5	-0.78
77FCAM		3,416.0	100.2	0.77	3,410.4	107.8	0.95
83ZYD7		3,415.4	99.6	0.77	3,396.4	93.8	0.83
86KT9L		3,049.3	-266.5	-2.06	3,063.5	-239.1	-2.11
9QG6DX	X	3,960.1	644.3	4.98	3,555.2	252.6	2.23
9X3ZE2		3,378.0	62.1	0.48	3,326.6	24.0	0.21
BXCNRX	*	3,392.4	76.6	0.59	3,190.8	-111.8	-0.99
C9CJJ2	*	2,974.8	-341.0	-2.64	2,998.8	-303.8	-2.68
CTFJCY		3,127.2	-188.6	-1.46	3,108.2	-194.4	-1.72
D4T2LG		3,128.5	-187.3	-1.45	3,198.1	-104.5	-0.92
DX2QCJ		3,311.0	-4.8	-0.04	3,247.6	-55.0	-0.49
E3AG9X	X	5,132.0	1,816.2	14.05	5,206.0	1,903.4	16.79
G8K44D		3,372.0	56.2	0.43	3,338.0	35.4	0.31
GE3FEU		3,280.8	-35.0	-0.27	3,405.5	102.9	0.91
GQU9KV		3,555.8	240.0	1.86	3,583.2	280.6	2.48
GY7KJE		3,449.4	133.6	1.03	3,510.8	208.2	1.84
HEZADP		3,318.0	2.2	0.02	3,279.4	-23.2	-0.20
J8R8LU		3,226.7	-89.2	-0.69	3,210.0	-92.6	-0.82
JA2D3P		3,473.2	157.4	1.22	3,421.6	119.0	1.05
KHMVWN		3,330.0	14.2	0.11	3,375.6	73.0	0.64
L3NCVQ	X	4,638.3	1,322.5	10.23	4,638.6	1,336.1	11.79
LNTRHA		3,240.0	-75.8	-0.59	3,140.0	-162.6	-1.43
MCCJU8		3,268.5	-47.3	-0.37	3,289.3	-13.3	-0.12
MRL989		3,405.4	89.6	0.69	3,275.4	-27.2	-0.24
NPVDZ7		3,320.6	4.8	0.04	3,323.8	21.2	0.19
NX8NB7		3,241.9	-73.9	-0.57	3,326.8	24.2	0.21
PKGBBF		3,241.6	-74.2	-0.57	3,388.4	85.8	0.76
QRRYHM		3,474.4	158.6	1.23	3,398.6	96.0	0.85
RLJTLG		3,279.4	-36.4	-0.28	3,324.0	21.4	0.19
TKA6N3		3,540.0	224.2	1.73	3,360.0	57.4	0.51

WebCode	Data Flag	Sample F07 Lab Mean	Sample F07 Diff from Grand Mean	Sample F07 CPV	Sample F08 Lab Mean	Sample F08 Diff from Grand Mean	Sample F08 CPV
U28UBJ		3,381.2	65.4	0.51	3,357.6	55.0	0.49
UTEC2G		3,283.1	-32.7	-0.25	3,306.0	3.4	0.03
UYKB7E		3,270.1	-45.7	-0.35	3,323.9	21.3	0.19
VDXXYA		3,341.6	25.8	0.20	3,285.6	-17.0	-0.15
VXJVDE		3,528.6	212.8	1.65	3,398.4	95.8	0.85
W7HH7Z		3,474.8	159.0	1.23	3,471.6	169.0	1.49
WTAWJ2		3,143.4	-172.4	-1.33	3,171.0	-131.6	-1.16
XBJBBF		3,325.7	9.9	0.08	3,211.5	-91.1	-0.80
YD7CU9		3,433.7	117.8	0.91	3,416.2	113.7	1.00
YEJNTD		3,211.1	-104.8	-0.81	3,266.5	-36.1	-0.32
YFRXKB		3,364.6	48.7	0.38	3,297.0	-5.5	-0.05
YUQ3T8		3,298.6	-17.2	-0.13	3,332.4	29.8	0.26
Z2AKNU		3,090.0	-225.8	-1.75	3,178.0	-124.6	-1.10

Summary Statistics

	Sample F07	Sample F08
Grand Means	3,315.83 psi	3,302.58 psi
Stnd Dev Btwn Labs	129.30 psi	113.34 psi

Statistics based on 44 of 48 reporting participants

Sample F07: HIPS & Sample F08: HIPS

Comments on Assigned Data Flags for Test #705

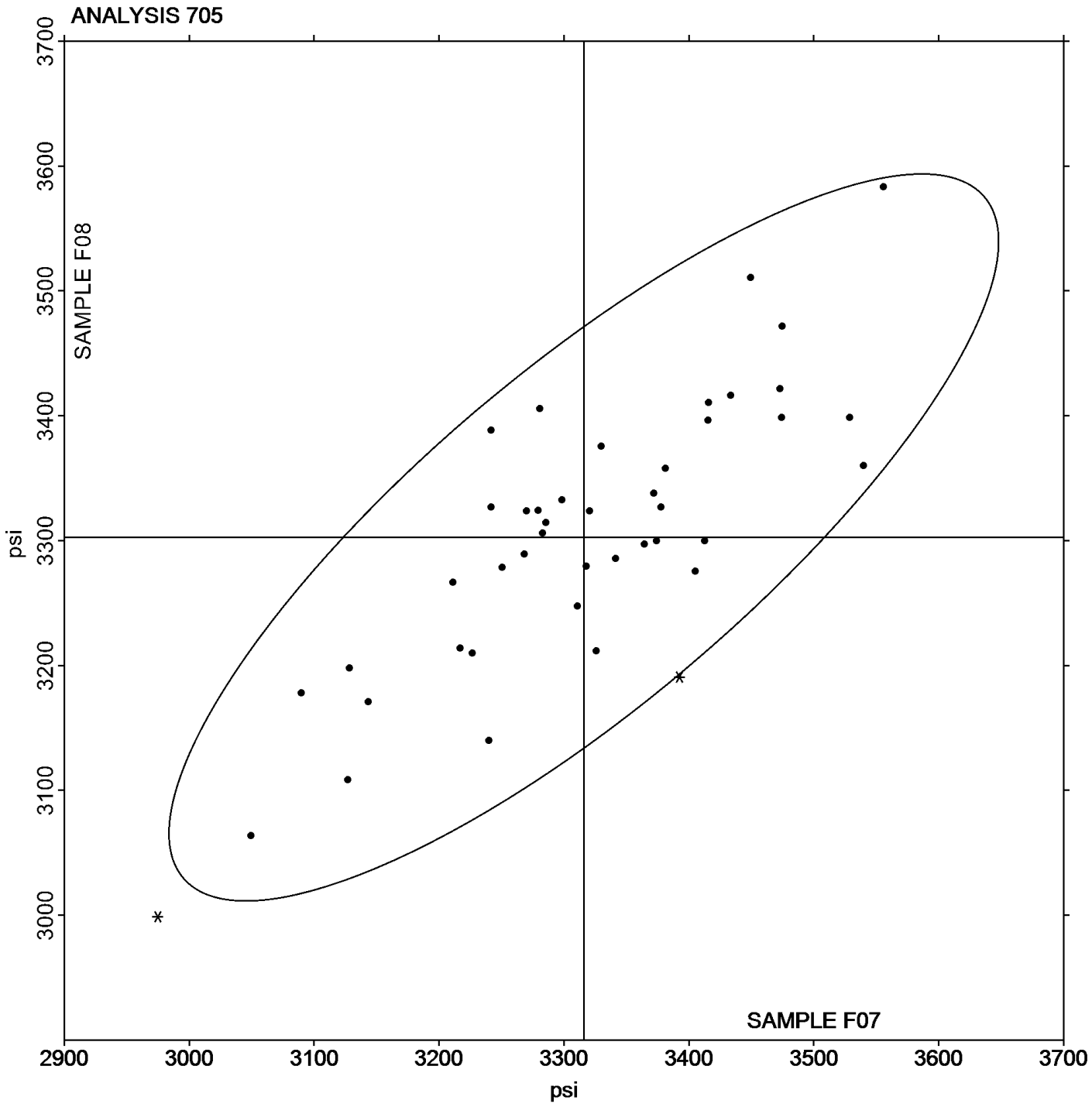
9QG6DX (X) - Data for sample F07 are high. Inconsistent within the determinations of both samples.

L3NCVQ (X) - Data for both samples are high. Possible Systematic Error.

2RXVHA (X) - Data for both samples are low. Inconsistent within the determinations of sample F07.

E3AG9X (X) - Data for both samples are high.

Grand Mean Sample F07: 3,315.83 psi Grand Mean Sample F08: 3,302.58 psi



WebCode	Data Flag	Sample F07 Lab Mean	Sample F07 Diff from Grand Mean	Sample F07 CPV	Sample F08 Lab Mean	Sample F08 Diff from Grand Mean	Sample F08 CPV
2RXVHA	X	1.080	-0.276	-4.26	0.900	-0.460	-7.58
394CAU		1.320	-0.036	-0.55	1.320	-0.040	-0.66
3FXLAQ		1.413	0.058	0.89	1.414	0.054	0.89
3P9NVR		1.518	0.162	2.51	1.508	0.148	2.44
4MVQMT		1.360	0.004	0.07	1.384	0.024	0.40
4V9HDQ		1.376	0.020	0.31	1.376	0.016	0.26
77FCAM		1.366	0.010	0.16	1.344	-0.016	-0.26
83ZYD7		1.452	0.096	1.49	1.478	0.118	1.94
86KT9L		1.300	-0.056	-0.86	1.274	-0.086	-1.42
9QG6DX		1.424	0.068	1.06	1.414	0.054	0.89
9X3ZE2		1.298	-0.058	-0.89	1.296	-0.064	-1.05
BXCNRX		1.340	-0.016	-0.24	1.340	-0.020	-0.33
CTFJCY		1.370	0.014	0.22	1.408	0.048	0.79
D4T2LG		1.362	0.006	0.10	1.388	0.028	0.46
DFLHBH		1.426	0.071	1.09	1.450	0.090	1.48
DX2QCJ		1.252	-0.104	-1.60	1.262	-0.098	-1.61
E3AG9X		1.316	-0.040	-0.61	1.330	-0.030	-0.49
E8AMTU	X	1.296	-0.060	-0.92	1.406	0.046	0.76
G8K44D		1.400	0.044	0.69	1.400	0.040	0.66
GE3FEU		1.400	0.044	0.69	1.400	0.040	0.66
GQU9KV	X	1.556	0.200	3.10	1.670	0.310	5.11
GY7KJE		1.432	0.076	1.18	1.458	0.098	1.61
HEZADP		1.350	-0.006	-0.09	1.378	0.018	0.30
JA2D3P		1.404	0.048	0.75	1.404	0.044	0.72
KHMVWN		1.376	0.020	0.31	1.404	0.044	0.72
L3NCVQ		1.321	-0.035	-0.54	1.322	-0.038	-0.63
LNTRHA		1.320	-0.036	-0.55	1.340	-0.020	-0.33
MCCJU8		1.346	-0.010	-0.15	1.338	-0.022	-0.36
MRL989		1.224	-0.132	-2.04	1.268	-0.092	-1.52
NPVDZ7		1.324	-0.032	-0.49	1.346	-0.014	-0.23
NX8NB7		1.220	-0.136	-2.10	1.244	-0.116	-1.90
PKGBBF		1.322	-0.034	-0.52	1.326	-0.034	-0.56
QRRYHM		1.358	0.002	0.04	1.316	-0.044	-0.73
RLJTLG		1.268	-0.088	-1.36	1.290	-0.070	-1.15
TKA6N3		1.488	0.132	2.05	1.454	0.094	1.55

WebCode	Data Flag	Sample F07 Lab Mean	Sample F07 Diff from Grand Mean	Sample F07 CPV	Sample F08 Lab Mean	Sample F08 Diff from Grand Mean	Sample F08 CPV
U28UBJ		1.374	0.018	0.28	1.342	-0.018	-0.30
UTEC2G		1.330	-0.026	-0.40	1.338	-0.022	-0.36
UYKB7E	X	1.400	0.044	0.69	1.318	-0.042	-0.69
VDXXYA		1.348	-0.008	-0.12	1.319	-0.041	-0.67
WTAWJ2		1.274	-0.082	-1.26	1.288	-0.072	-1.19
XBJBBF		1.356	0.000	0.00	1.352	-0.008	-0.13
YD7CU9		1.310	-0.046	-0.71	1.328	-0.032	-0.53
YEJNTD		1.313	-0.042	-0.65	1.339	-0.021	-0.35
YFRXKB		1.400	0.044	0.69	1.400	0.040	0.66
YUQ3T8		1.432	0.076	1.18	1.380	0.020	0.33
Z2AKNU	X	13.600	12.244	189.35	11.200	9.840	162.13

Summary Statistics

	Sample F07	Sample F08
Grand Means	1.3557 Percent	1.3600 Percent
Stnd Dev Btwn Labs	0.0647 Percent	0.0607 Percent

Statistics based on 41 of 46 reporting participants

Sample F07: HIPS & Sample F08: HIPS

Comments on Assigned Data Flags for Test #706

E8AMTU (X) - Inconsistent in testing between samples.

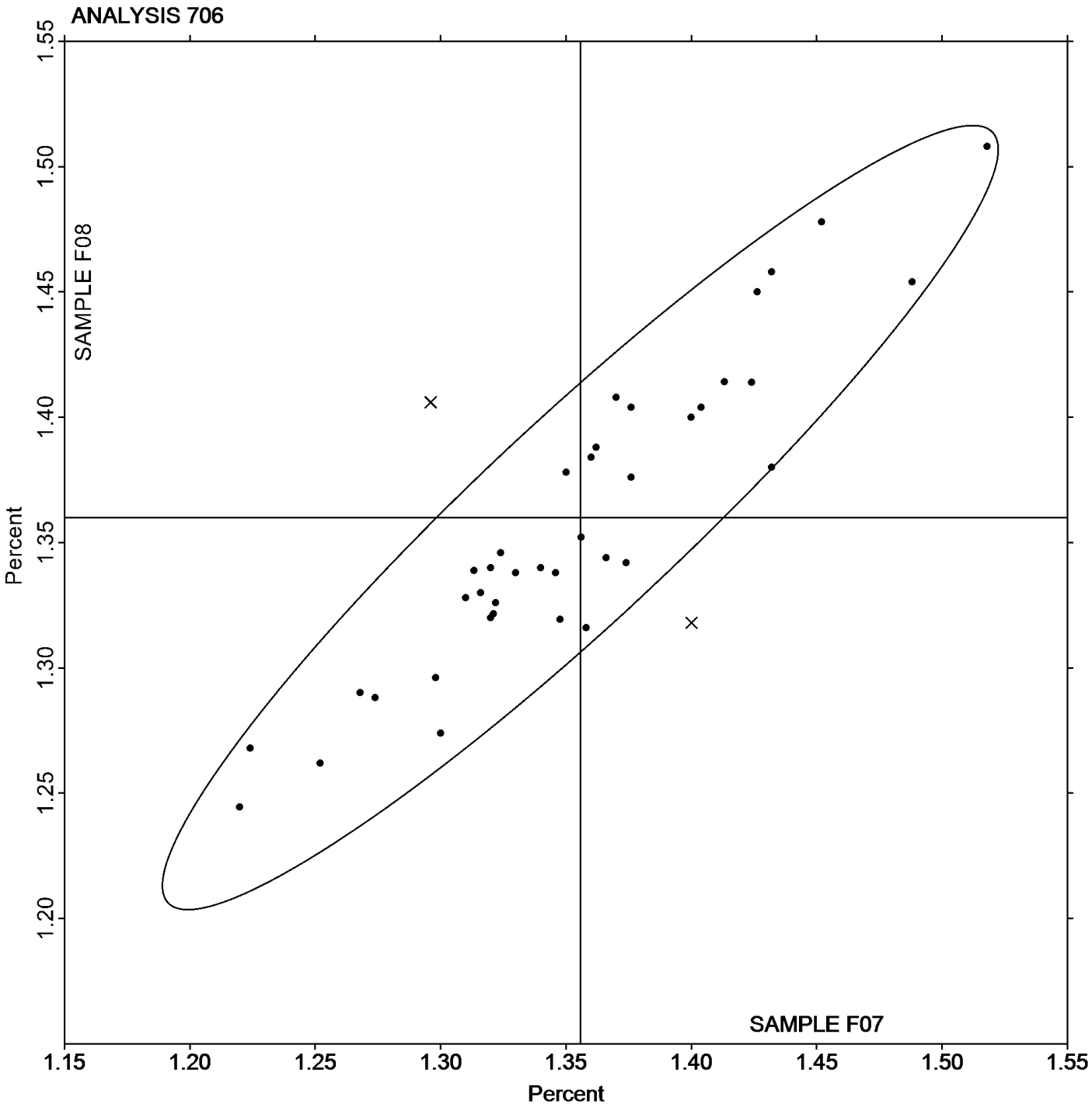
Z2AKNU (X) - Extreme data.

UYKB7E (X) - Inconsistent in testing between samples.

2RXVHA (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of sample F07.

GQU9KV (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of sample F08.

Grand Mean Sample F07: 1.3557 Percent Grand Mean Sample F08: 1.3600 Percent



WebCode	Data Flag	Sample F07 Lab Mean	Sample F07 Diff from Grand Mean	Sample F07 CPV	Sample F08 Lab Mean	Sample F08 Diff from Grand Mean	Sample F08 CPV
2RXVHA	X	337.80	-4.54	-0.39	316.40	-25.09	-2.78
394CAU		343.60	1.26	0.11	345.00	3.51	0.39
3FXLAQ		337.44	-4.90	-0.42	331.44	-10.05	-1.11
3P9NVR		331.12	-11.22	-0.97	333.26	-8.23	-0.91
4MVQMT		332.94	-9.40	-0.81	328.80	-12.69	-1.41
4V9HDQ		325.52	-16.82	-1.46	324.80	-16.69	-1.85
77FCAM		344.60	2.26	0.20	350.80	9.31	1.03
83ZYD7		351.84	9.50	0.82	343.86	2.37	0.26
86KT9L		337.77	-4.57	-0.40	344.63	3.15	0.35
9QG6DX		336.75	-5.59	-0.48	349.43	7.94	0.88
9X3ZE2		333.56	-8.78	-0.76	333.07	-8.42	-0.93
BXCNRX		346.54	4.20	0.36	344.70	3.21	0.36
C9CJJ2		329.51	-12.83	-1.11	327.03	-14.45	-1.60
CTFJCY		365.10	22.76	1.97	348.70	7.21	0.80
D4T2LG		321.12	-21.22	-1.84	326.63	-14.86	-1.65
DFLHBH		341.23	-1.11	-0.10	337.20	-4.29	-0.48
DX2QCJ		358.82	16.48	1.43	347.88	6.39	0.71
E3AG9X	X	503.89	161.55	14.00	504.33	162.84	18.05
E8AMTU		348.55	6.21	0.54	341.70	0.21	0.02
G8K44D		335.60	-6.74	-0.58	339.00	-2.49	-0.28
GE3FEU		337.65	-4.69	-0.41	339.10	-2.39	-0.26
GQU9KV	X	379.04	36.71	3.18	287.25	-54.24	-6.01
GY7KJE		333.19	-9.15	-0.79	331.73	-9.76	-1.08
HEZADP		328.56	-13.78	-1.19	338.46	-3.03	-0.34
JA2D3P		357.00	14.66	1.27	358.76	17.27	1.91
KHMVWN		337.16	-5.18	-0.45	335.30	-6.19	-0.69
L3NCVQ	X	425.57	83.24	7.21	423.43	81.94	9.08
LNTRHA		334.20	-8.14	-0.71	343.80	2.31	0.26
MRL989	X	454.62	112.28	9.73	427.18	85.69	9.50
NPVDZ7		346.10	3.76	0.33	344.58	3.09	0.34
NX8NB7		353.58	11.25	0.97	349.28	7.79	0.86
PKGBBF		331.04	-11.30	-0.98	341.77	0.28	0.03
QRRYHM		351.04	8.70	0.75	346.88	5.39	0.60
RLJTLG	X	406.74	64.40	5.58	392.82	51.34	5.69
TKA6N3		343.82	1.48	0.13	337.40	-4.09	-0.45

WebCode	Data Flag	Sample F07 Lab Mean	Sample F07 Diff from Grand Mean	Sample F07 CPV	Sample F08 Lab Mean	Sample F08 Diff from Grand Mean	Sample F08 CPV
U28UBJ		357.12	14.79	1.28	356.29	14.80	1.64
UTEC2G		343.74	1.40	0.12	346.06	4.58	0.51
UYKB7E	X	333,800.00	3,457.66	28,897.13	339,800.00	39,458.51	37,629.95
VDXXYA	X	419.38	77.04	6.68	409.64	68.16	7.56
WTAWJ2	X	381.12	38.78	3.36	378.68	37.19	4.12
XBJBBF		351.11	8.77	0.76	346.27	4.78	0.53
YD7CU9	*	372.61	30.27	2.62	364.28	22.79	2.53
YEJNTD		353.89	11.55	1.00	341.13	-0.35	-0.04
YFRXKB		332.94	-9.40	-0.81	332.38	-9.11	-1.01
YUQ3T8		337.80	-4.54	-0.39	342.12	0.63	0.07
Z2AKNU	X	3.61	-338.72	-29.35	3.75	-337.73	-37.44

Summary Statistics

	Sample F07	Sample F08
Grand Means	342.338 ksi	341.487 ksi
Stnd Dev Btwn Labs	11.539 ksi	9.021 ksi

Statistics based on 36 of 46 reporting participants

Sample F07: HIPS & Sample F08: HIPS

Comments on Assigned Data Flags for Test #708

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

RLJTLG (X) - Data for both samples are high. Inconsistent within the determinations of sample F07.

L3NCVQ (X) - Data for both samples are high.

MRL989 (X) - Data for both samples are high. Inconsistent within the determinations of both samples.

Z2AKNU (X) - Extreme data.

WTAWJ2 (X) - Data for both samples are high.

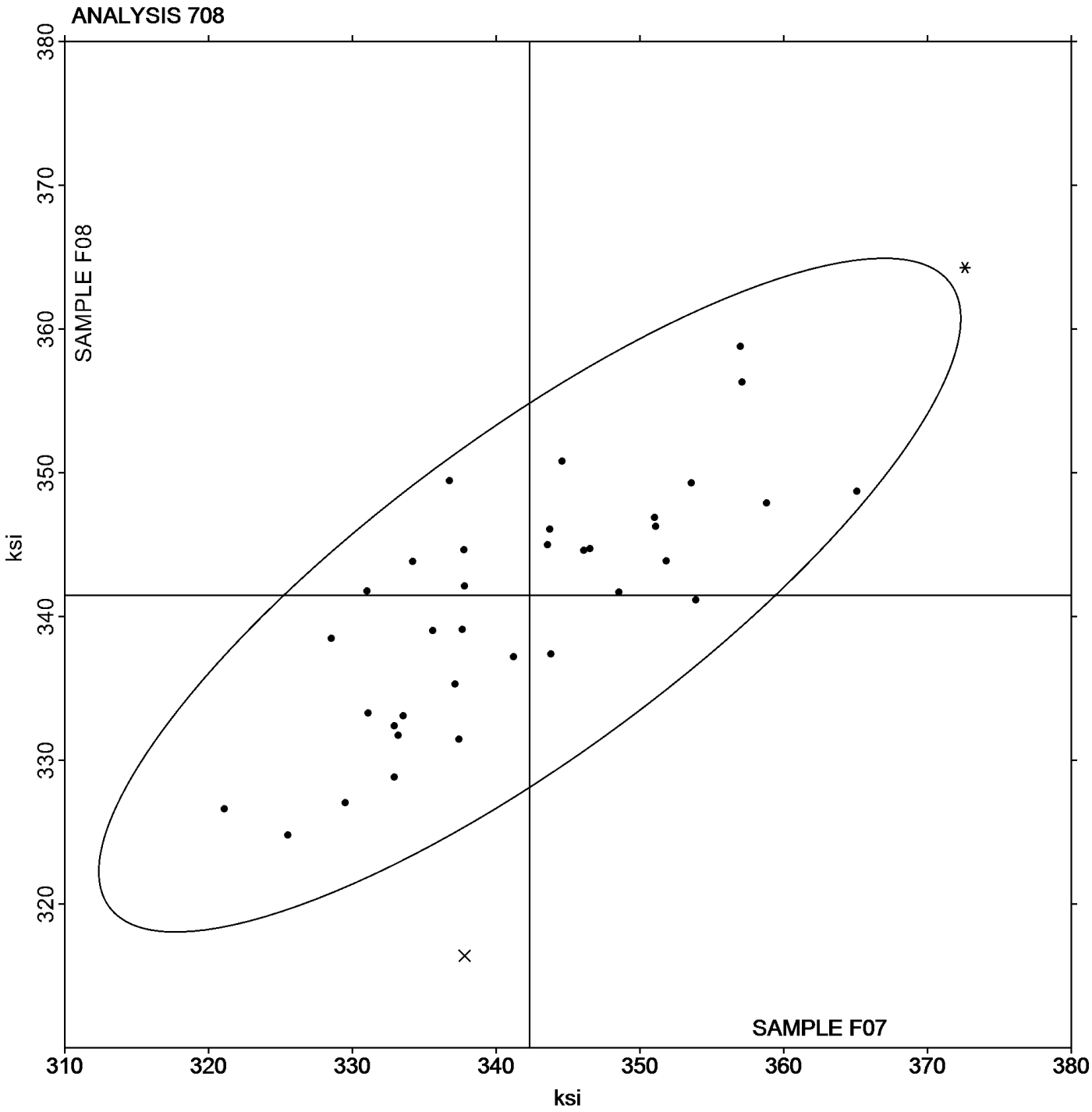
UYKB7E (X) - Extreme data.

2RXVHA (X) - Data for sample F08 are low.

E3AG9X (X) - Data for both samples are high.

GQU9KV (X) - Data for sample F07 are high and data for sample F08 are low. Inconsistent within the determinations of sample F07.

Grand Mean Sample F07: 342.34 ksi Grand Mean Sample F08: 341.49 ksi



WebCode	Data Flag	Sample E07 Lab Mean	Sample E07 Diff from Grand Mean	Sample E07 CPV	Sample E08 Lab Mean	Sample E08 Diff from Grand Mean	Sample E08 CPV	Instr Code
394CAU		78.68	0.27	0.28	78.90	0.49	0.53	TO
3MK8M6		78.20	-0.21	-0.22	78.03	-0.39	-0.42	IN
4V9HDQ		78.83	0.42	0.44	78.68	0.26	0.29	TY
83ZYD7		78.93	0.52	0.55	78.78	0.36	0.39	IN
9QG6DX		77.10	-1.31	-1.37	77.13	-1.29	-1.39	TO
9X3ZE2		78.98	0.57	0.60	78.98	0.56	0.61	IN
D4T2LG		78.65	0.24	0.26	78.68	0.26	0.29	TY
DX2QCJ		79.05	0.64	0.68	79.10	0.69	0.75	IN
E8AMTU		76.88	-1.53	-1.61	76.98	-1.44	-1.55	TO
G8K44D		77.55	-0.86	-0.90	77.30	-1.11	-1.20	CF
GE3FEU		78.63	0.22	0.23	78.73	0.31	0.34	IN
GY7KJE		79.00	0.59	0.63	78.78	0.36	0.39	CE
JA2D3P		77.90	-0.51	-0.53	78.28	-0.14	-0.15	IN
LNTRHA		76.77	-1.64	-1.72	77.10	-1.31	-1.42	XA
MCCJU8		78.63	0.22	0.23	78.83	0.41	0.45	IN
QRRYHM		78.80	0.39	0.41	78.93	0.51	0.56	IN
RLJTLG		78.80	0.39	0.41	78.95	0.54	0.58	CE
VXJVDE	*	78.78	0.37	0.39	78.15	-0.26	-0.28	TO
XBJBBF		80.80	2.39	2.52	80.78	2.36	2.56	CE
YD7CU9		77.19	-1.22	-1.28	77.19	-1.22	-1.32	TO

Summary Statistics

	Sample E07	Sample E08
Grand Means	78.405 Degrees C	78.411 Degrees C
Stnd Dev Btwn Labs	0.951 Degrees C	0.925 Degrees C

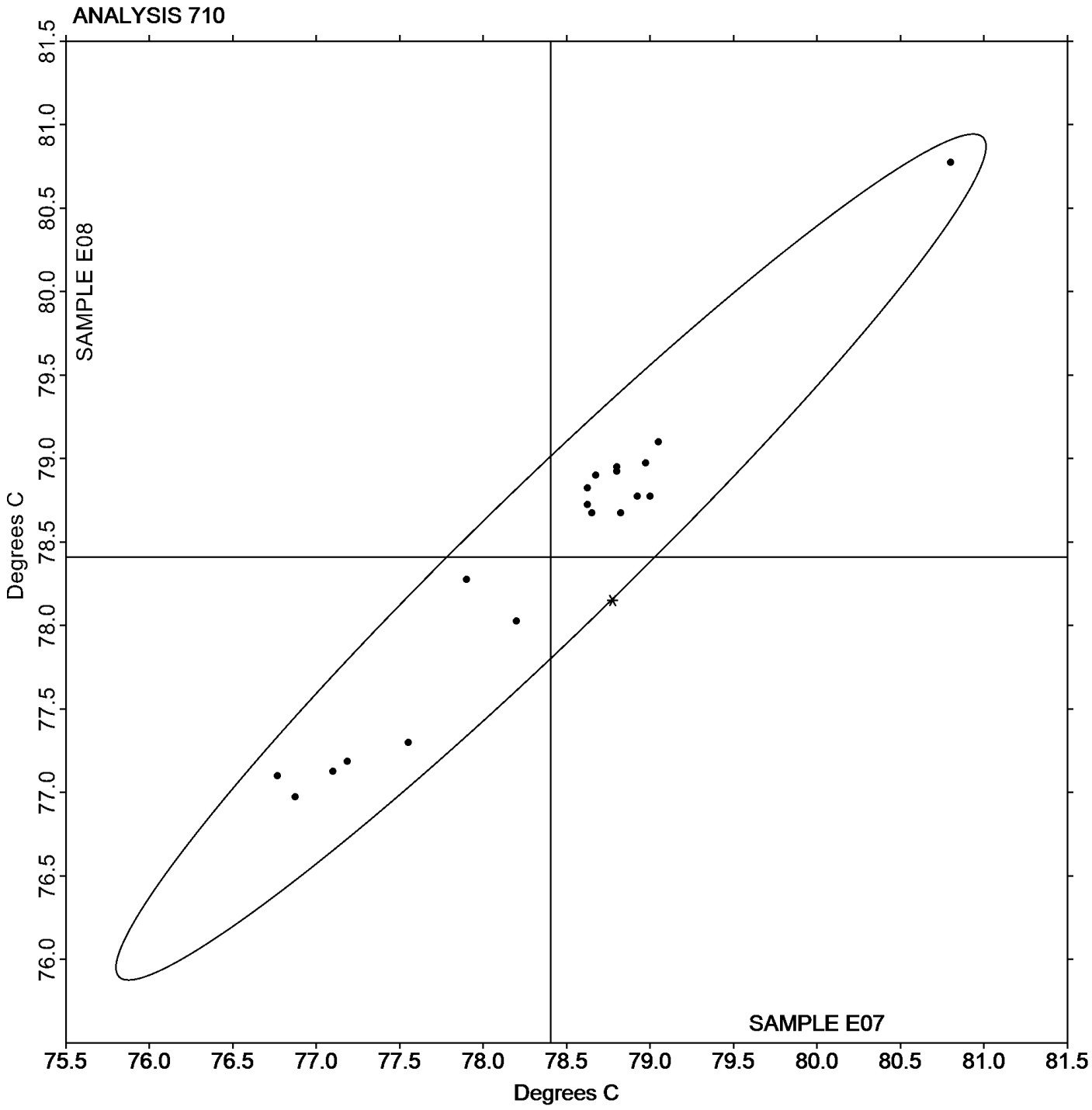
Statistics based on 20 of 20 reporting participants

Sample E07: HIPS & Sample E08: HIPS

Key to Instrument Codes Reported by Participants

CE	Ceast	CF	Coesfeld
IN	Instron	TO	Tinius Olsen
TY	Toyoseiki	XA	Special In-House Instrument

Grand Mean Sample E07: 78.405 Degrees C Grand Mean Sample E08: 78.411 Degrees C



WebCode	Data Flag	Sample G07 Lab Mean	Sample G07 Diff from Grand Mean	Sample G07 CPV	Sample G08 Lab Mean	Sample G08 Diff from Grand Mean	Sample G08 CPV	Instr Code
394CAU	X	139.8	46.5	11.64	138.9	46.4	15.37	TO
76CCKN		92.1	-1.2	-0.29	88.9	-3.5	-1.17	XX
9X3ZE2		95.7	2.4	0.59	94.6	2.1	0.71	IN
E8AMTU		89.7	-3.6	-0.89	88.0	-4.4	-1.47	TO
G8K44D		96.0	2.7	0.68	95.4	2.9	0.97	CE
MCCJU8		87.3	-6.0	-1.50	91.6	-0.8	-0.26	IN
RLJTLG		93.2	-0.1	-0.02	93.2	0.8	0.26	CE
VRJFPR	M	95.1	1.8	0.44	No data reported for this sample			XX
VXJVDE		99.0	5.7	1.44	95.3	2.9	0.95	TO

Summary Statistics

	Sample G07	Sample G08
Grand Means	93.29 Degrees C	92.40 Degrees C
Stnd Dev Btwn Labs	3.99 Degrees C	3.02 Degrees C

Statistics based on 7 of 9 reporting participants

Sample G07: PP & Sample G08: PP

Comments on Assigned Data Flags for Test #711

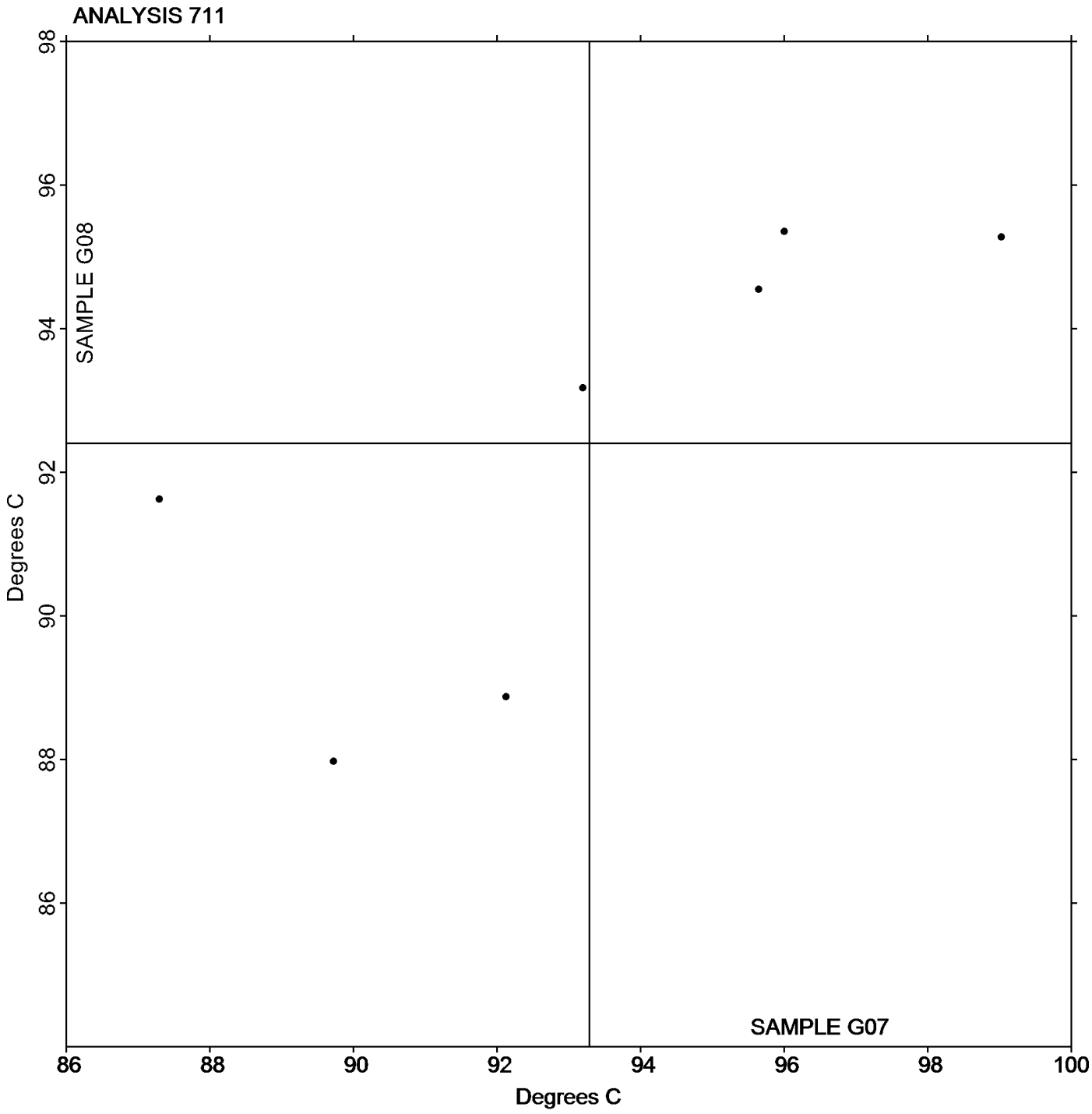
VRJFPR (M) - Participant did not submit data for sample G08.

394CAU (X) - Data for both samples are high.

Key to Instrument Codes Reported by Participants

CE	Ceast	IN	Instron
TO	Tinius Olsen	XX	Instrument manufacturer not specified by lab

Grand Mean Sample G07: 93.289 Degrees C Grand Mean Sample G08: 92.404 Degrees C



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

WebCode	Data Flag	Sample N07 Lab Mean	Sample N07 Diff from Grand Mean	Sample N07 CPV	Sample N08 Lab Mean	Sample N08 Diff from Grand Mean	Sample N08 CPV	Instr Code
394CAU	X	86.28	7.49	12.29	86.50	7.73	13.24	TO
3TRXQB		79.42	0.63	1.04	79.24	0.47	0.81	ZW
46DPRQ		79.38	0.59	0.97	79.05	0.28	0.49	CF
48P6K7		77.45	-1.33	-2.19	77.40	-1.37	-2.34	TO
4V9HDQ		78.98	0.19	0.31	78.90	0.13	0.23	TY
63PFF4	X	77.88	-0.91	-1.49	72.70	-6.07	-10.38	TO
68ZQ9X		78.45	-0.33	-0.55	78.55	-0.22	-0.37	CE
76CCKN		78.90	0.12	0.19	78.95	0.18	0.32	XX
7TVP93		78.45	-0.33	-0.55	78.48	-0.29	-0.50	CE
83ZYD7		78.93	0.14	0.23	79.00	0.23	0.40	IN
88BA7Z		79.30	0.52	0.85	79.10	0.33	0.57	IN
9X3ZE2		79.35	0.57	0.93	79.55	0.78	1.34	IN
CJBCWY		77.73	-1.06	-1.74	77.70	-1.07	-1.82	TO
D4T2LG		79.00	0.22	0.35	79.00	0.23	0.40	TY
E227DE		77.50	-1.28	-2.11	77.50	-1.27	-2.17	TO
E2JF6U		79.06	0.28	0.46	78.97	0.20	0.35	ZW
G8K44D		79.23	0.45	0.74	78.93	0.17	0.29	CF
GE3FEU		79.33	0.54	0.89	79.13	0.36	0.62	IN
GY7KJE		79.15	0.37	0.60	79.10	0.33	0.57	CE
JA2D3P		78.23	-0.56	-0.92	77.98	-0.79	-1.35	IN
LTLWAR		78.78	-0.01	-0.02	79.05	0.28	0.49	CE
MCCJU8		78.90	0.12	0.19	79.05	0.28	0.49	IN
MQCBR7		78.90	0.12	0.19	79.05	0.28	0.49	TY
MQVATA		77.93	-0.86	-1.41	78.03	-0.74	-1.27	CE
PBC4VF		78.75	-0.03	-0.06	78.83	0.06	0.10	ZW
QNTMLM		78.30	-0.48	-0.79	78.30	-0.47	-0.80	IN
QQKGNX		79.10	0.32	0.52	79.03	0.26	0.44	RO
QRRYHM		79.13	0.34	0.56	79.18	0.41	0.70	IN
RLJTLG		79.05	0.27	0.44	79.13	0.36	0.62	CE
UHXPU2		79.48	0.69	1.13	79.38	0.61	1.04	IN
UTEC2G		79.93	1.14	1.87	79.78	1.01	1.73	CE
VKJU2Y		79.33	0.54	0.89	79.30	0.53	0.92	IN
VRJFPR	X	78.58	-0.21	-0.34	79.45	0.68	1.17	XX
YXEEUY		77.98	-0.81	-1.33	78.10	-0.67	-1.14	CE
YYMNKB		78.05	-0.74	-1.21	78.07	-0.70	-1.20	TO

WebCode	Data Flag	Sample N07 Lab Mean	Sample N07 Diff from Grand Mean	Sample N07 CPV	Sample N08 Lab Mean	Sample N08 Diff from Grand Mean	Sample N08 CPV	Instr Code
YZY9PD		78.50	-0.28	-0.47	78.50	-0.27	-0.45	XX

Summary Statistics

	Sample N07	Sample N08
Grand Means	78.784 Degrees C	78.765 Degrees C
Stnd Dev Btwn Labs	0.609 Degrees C	0.584 Degrees C

Statistics based on 33 of 36 reporting participants

Sample N07: HIPS & Sample N08: HIPS

Comments on Assigned Data Flags for Test #712

VRJFPR (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample N07.

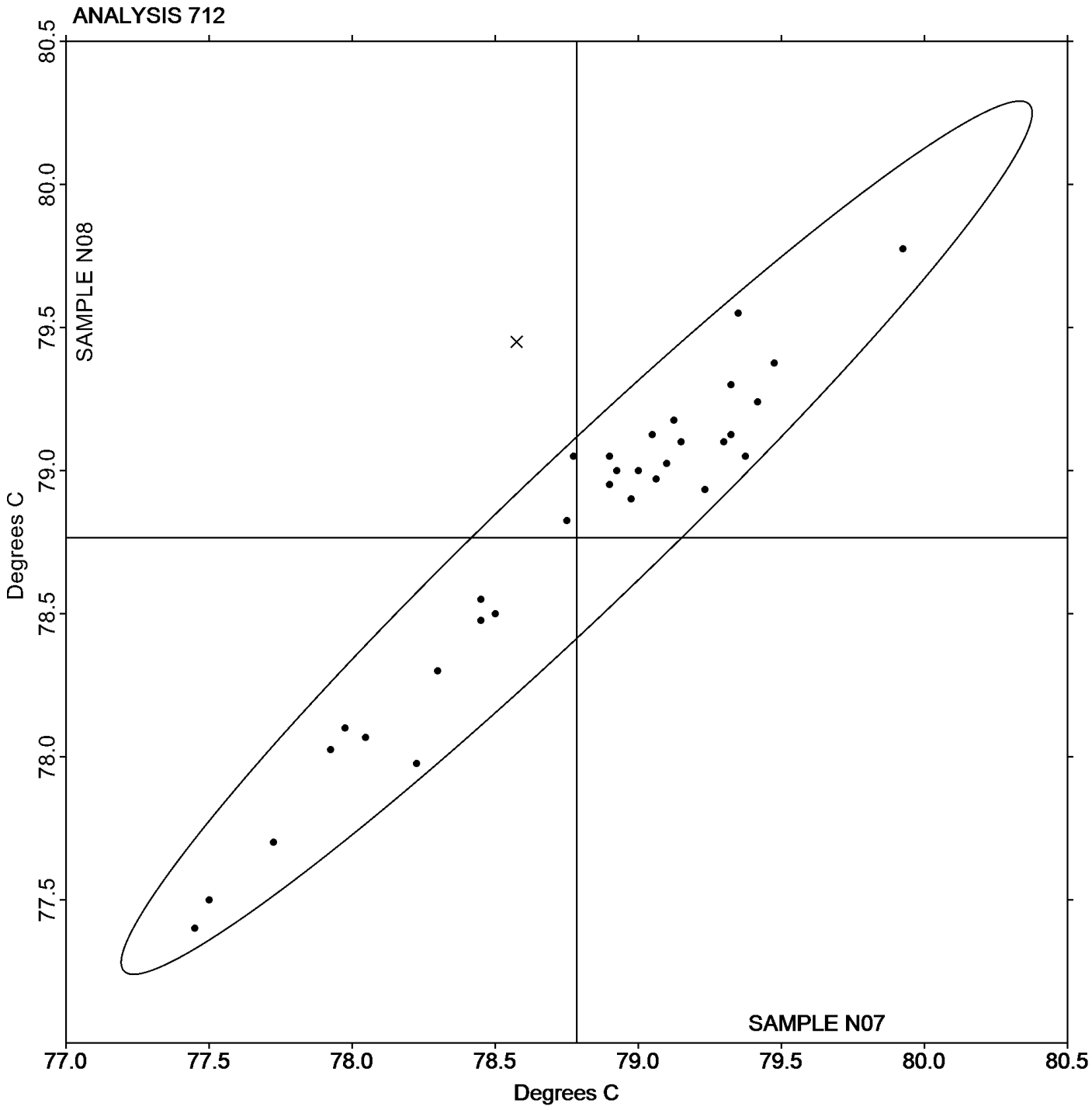
63PFF4 (X) - Data for sample N08 are low.

394CAU (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of sample N07.

Key to Instrument Codes Reported by Participants

CE	Ceast	CF	Coesfeld
IN	Instron	RO	Rosand
TO	Tinius Olsen	TY	Toyoseiki
XX	Instrument manufacturer not specified by lab	ZW	Zwick

Grand Mean Sample N07: 78.784 Degrees C Grand Mean Sample N08: 78.765 Degrees C



WebCode	Data Flag	Sample H07 Lab Mean	Sample H07 Diff from Grand Mean	Sample H07 CPV	Sample H08 Lab Mean	Sample H08 Diff from Grand Mean	Sample H08 CPV	Instr Code
4V9HDQ		96.43	0.18	0.36	96.43	0.15	0.37	TY
68ZQ9X		95.78	-0.47	-0.96	95.82	-0.47	-1.13	CE
83ZYD7		96.23	-0.02	-0.04	96.22	-0.07	-0.16	IN
9QG6DX		95.63	-0.62	-1.26	95.72	-0.57	-1.37	TO
9X3ZE2		97.07	0.81	1.65	97.05	0.77	1.86	CF
G8K44D		96.00	-0.25	-0.52	96.00	-0.28	-0.69	CF
GE3FEU		96.00	-0.25	-0.52	96.05	-0.23	-0.56	AT
GY7KJE		96.40	0.15	0.30	96.32	0.03	0.08	CE
KHMVWN	*	95.52	-0.74	-1.50	95.93	-0.35	-0.85	CE
LTLWAR		96.60	0.35	0.70	96.45	0.17	0.41	CF
MCCJU8		96.35	0.10	0.19	96.38	0.10	0.24	IN
MMRGXQ		95.92	-0.34	-0.69	96.17	-0.12	-0.28	IN
PBC4VF		96.07	-0.19	-0.38	96.22	-0.07	-0.16	WZ
QRRYHM		96.47	0.21	0.43	96.35	0.07	0.16	IN
RLJTLG		96.33	0.08	0.16	96.38	0.10	0.24	CE
TH3PEB		96.73	0.48	0.97	96.73	0.45	1.09	CE
UTEC2G		96.73	0.48	0.97	96.73	0.45	1.09	CE
XBJBBF		97.33	1.08	2.20	97.15	0.87	2.10	CE
Y9XQ7B		95.98	-0.27	-0.55	95.97	-0.32	-0.77	CE
YUQ3T8		95.50	-0.75	-1.53	95.58	-0.70	-1.70	TO

Summary Statistics

	Sample H07	Sample H08
Grand Means	96.254 Degrees C	96.283 Degrees C
Stnd Dev Btwn Labs	0.491 Degrees C	0.412 Degrees C

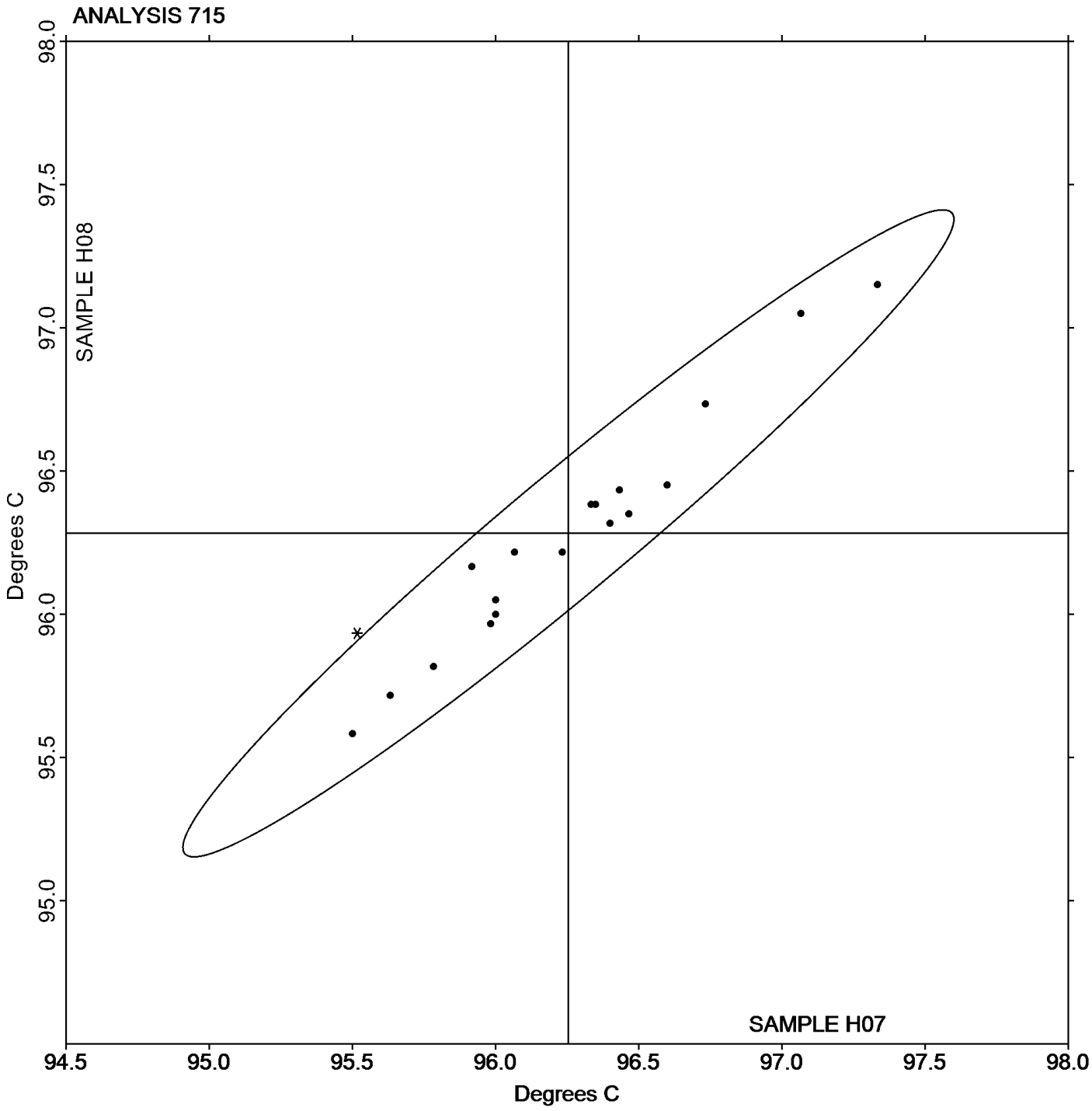
Statistics based on 20 of 20 reporting participants

Sample H07: HIPS & Sample H08: HIPS

Key to Instrument Codes Reported by Participants

AT	Atlas	CE	Ceast
CF	Coesfeld	IN	Instron
TO	Tinius Olsen	TY	Toyoseiki
WZ	Zwick		

Grand Mean Sample H07: 96.254 Degrees C Grand Mean Sample H08: 96.283 Degrees C



WebCode	Data Flag	Sample R07 Lab Mean	Sample R07 Diff from Grand Mean	Sample R07 CPV	Sample R08 Lab Mean	Sample R08 Diff from Grand Mean	Sample R08 CPV	Instr Code
394CAU		98.25	0.16	0.24	98.47	0.35	0.57	TO
4V9HDQ		98.30	0.21	0.32	98.00	-0.11	-0.18	TY
68ZQ9X		97.53	-0.56	-0.86	97.55	-0.56	-0.91	CE
83ZYD7		98.38	0.29	0.44	98.30	0.19	0.30	IN
9QG6DX		97.43	-0.66	-1.01	97.42	-0.70	-1.12	TO
9X3ZE2		98.38	0.29	0.44	98.67	0.55	0.89	CF
G8K44D		98.27	0.17	0.27	98.28	0.17	0.28	CF
GE3FEU		98.40	0.31	0.47	98.23	0.12	0.20	AT
GY7KJE		98.40	0.31	0.47	98.22	0.10	0.17	CE
KHMVWN		97.32	-0.78	-1.19	97.63	-0.48	-0.77	CE
LTLWAR		98.05	-0.04	-0.07	98.00	-0.11	-0.18	CF
MCCJU8		98.57	0.47	0.73	98.65	0.54	0.87	IN
MMRGXQ		97.78	-0.31	-0.48	98.03	-0.08	-0.13	IN
PBC4VF		98.43	0.34	0.52	98.45	0.34	0.55	WZ
QRRYHM		98.42	0.32	0.50	98.38	0.27	0.44	IN
TH3PEB		96.55	-1.54	-2.37	96.53	-1.58	-2.55	CE
XBJBBF		99.60	1.51	2.31	99.47	1.35	2.19	CE
YUQ3T8		97.62	-0.48	-0.73	97.73	-0.38	-0.61	TO

Summary Statistics

	Sample R07	Sample R08
Grand Means	98.094 Degrees C	98.112 Degrees C
Stnd Dev Btwn Labs	0.652 Degrees C	0.620 Degrees C

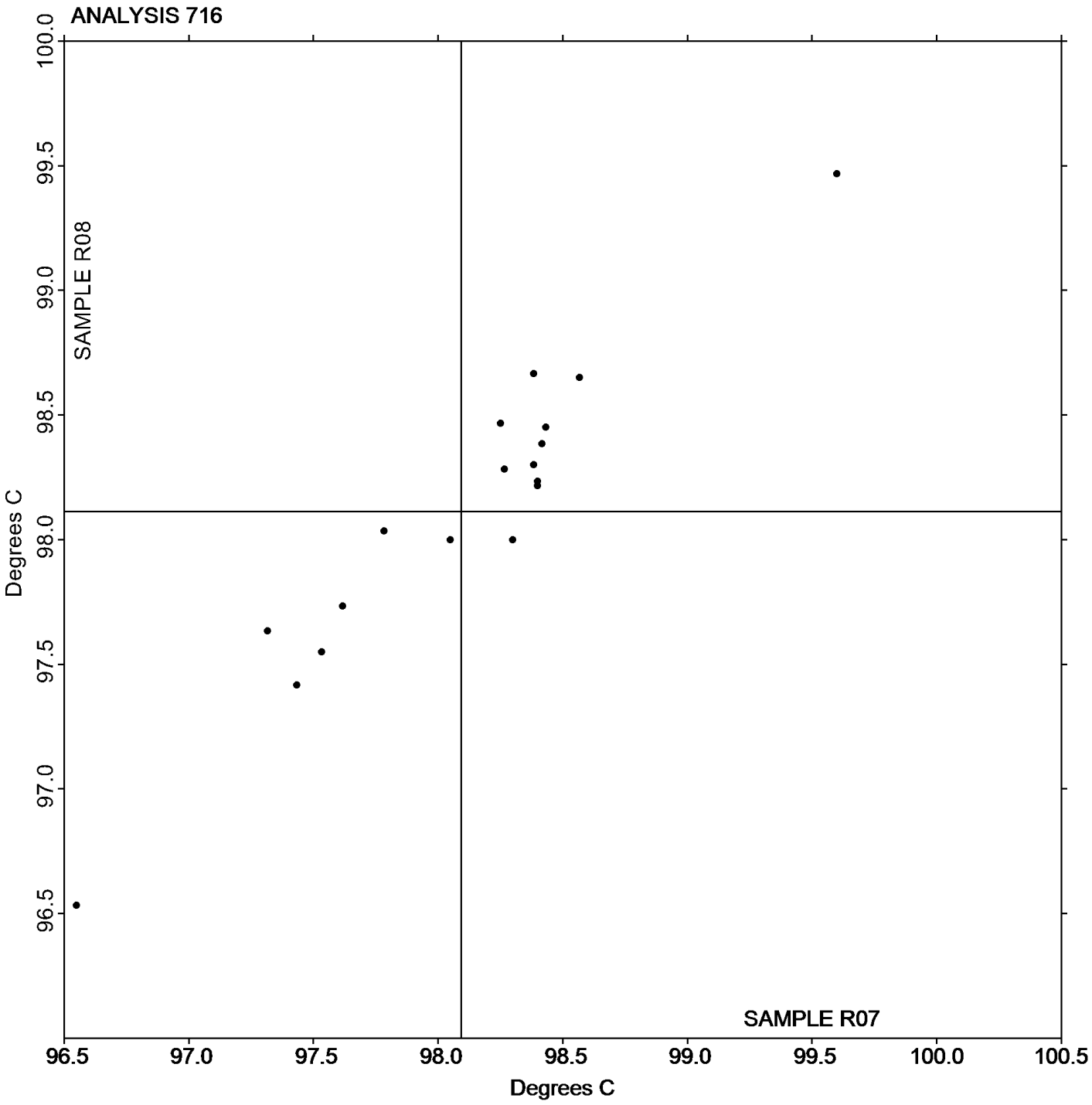
Statistics based on 18 of 18 reporting participants

Sample R07: HIPS & Sample R08: HIPS

Key to Instrument Codes Reported by Participants

AT Atlas
CE Ceast
CF Coesfeld
IN Instron
TO Tinius Olsen
TY Toyoseiki
WZ Zwick

Grand Mean Sample R07: 98.094 Degrees C Grand Mean Sample R08: 98.112 Degrees C



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

WebCode	Data Flag	Sample T07 Lab Mean	Sample T07 Diff from Grand Mean	Sample T07 CPV	Sample T08 Lab Mean	Sample T08 Diff from Grand Mean	Sample T08 CPV
2XLBC9		1.04333	0.00214	0.86	1.04233	0.00097	0.41
394CAU	*	1.04050	-0.00069	-0.28	1.03810	-0.00326	-1.39
3MK8M6		1.04357	0.00238	0.95	1.04390	0.00254	1.08
3ND6TQ		1.04150	0.00031	0.12	1.04180	0.00044	0.19
3TRXQB		1.04340	0.00221	0.89	1.04323	0.00187	0.80
46DPRQ		1.04293	0.00174	0.70	1.04320	0.00184	0.78
4RB4JA		1.04083	-0.00036	-0.14	1.04053	-0.00083	-0.35
4V9HDQ		1.04267	0.00148	0.59	1.04367	0.00231	0.98
63PFF4		1.04067	-0.00052	-0.21	1.04033	-0.00103	-0.44
68ZQ9X		1.04223	0.00104	0.42	1.04173	0.00037	0.16
6XVG29		1.04340	0.00221	0.89	1.04297	0.00161	0.68
76CCKN		1.04033	-0.00086	-0.34	1.04133	-0.00003	-0.01
77FCAM		1.04200	0.00081	0.33	1.04100	-0.00036	-0.15
7RKRX7		1.04497	0.00378	1.51	1.04530	0.00394	1.68
7TVP93		1.04000	-0.00119	-0.48	1.04100	-0.00036	-0.15
82LHCL		1.04113	-0.00006	-0.02	1.04193	0.00057	0.24
86KT9L		1.04300	0.00181	0.73	1.04300	0.00164	0.70
88BA7Z		1.04500	0.00381	1.53	1.04507	0.00371	1.58
8ZX26Y		1.04183	0.00064	0.26	1.03950	-0.00186	-0.79
9NCE94		1.03933	-0.00186	-0.74	1.03933	-0.00203	-0.86
9X3ZE2		1.04333	0.00214	0.86	1.04313	0.00177	0.76
AZJRY3	*	1.03423	-0.00696	-2.79	1.03693	-0.00443	-1.88
B7NMFG		1.04380	0.00261	1.05	1.04450	0.00314	1.34
CTFJCY		1.04193	0.00074	0.30	1.04427	0.00291	1.24
DX2QCJ		1.03870	-0.00249	-1.00	1.03873	-0.00263	-1.12
E2JF6U		1.03900	-0.00219	-0.88	1.04100	-0.00036	-0.15
E8AMTU		1.03900	-0.00219	-0.88	1.03863	-0.00273	-1.16
FYPRKD		1.03870	-0.00249	-1.00	1.03723	-0.00413	-1.76
G2BVRB		1.03800	-0.00319	-1.28	1.03833	-0.00303	-1.29
G8K44D		1.03900	-0.00219	-0.88	1.03900	-0.00236	-1.00
GE3FEU		1.04317	0.00198	0.79	1.04403	0.00267	1.14
GY7KJE		1.04370	0.00251	1.01	1.04343	0.00207	0.88
JA2D3P		1.04117	-0.00002	-0.01	1.04133	-0.00003	-0.01
JVDD4A		1.04113	-0.00006	-0.02	1.04130	-0.00006	-0.03
KH7KHP		1.03983	-0.00136	-0.54	1.03867	-0.00269	-1.15

WebCode	Data Flag	Sample T07 Lab Mean	Sample T07 Diff from Grand Mean	Sample T07 CPV	Sample T08 Lab Mean	Sample T08 Diff from Grand Mean	Sample T08 CPV
KHMVWN	X	1.05003	0.00884	3.54	1.05003	0.00867	3.69
LK93UQ		1.04500	0.00381	1.53	1.04400	0.00264	1.12
MCCJU8	X	1.00070	-0.04049	-16.23	1.03953	-0.00183	-0.78
MQVATA		1.03633	-0.00486	-1.95	1.03633	-0.00503	-2.14
NM8XRJ		1.03923	-0.00196	-0.78	1.04130	-0.00006	-0.03
NPVDZ7		1.04143	0.00024	0.10	1.04113	-0.00023	-0.10
PBC4VF		1.03995	-0.00124	-0.50	1.04075	-0.00061	-0.26
QNTMLM		1.03683	-0.00436	-1.75	1.03723	-0.00413	-1.76
QRRYHM	*	1.03703	-0.00416	-1.67	1.03570	-0.00566	-2.41
QXJ9RK	*	1.03667	-0.00452	-1.81	1.04000	-0.00136	-0.58
RLJTLG		1.04490	0.00371	1.49	1.04500	0.00364	1.55
T9VB7H		1.04193	0.00074	0.30	1.04227	0.00091	0.39
TALCAK		1.04310	0.00191	0.77	1.04273	0.00137	0.58
TKA6N3		1.04190	0.00071	0.28	1.04023	-0.00113	-0.48
U28UBJ		1.03900	-0.00219	-0.88	1.03900	-0.00236	-1.00
UHXPU2		1.04353	0.00234	0.94	1.04247	0.00111	0.47
UK2MWG		1.03847	-0.00272	-1.09	1.03797	-0.00339	-1.44
UTEC2G		1.04343	0.00224	0.90	1.04330	0.00194	0.83
UTWRPH		1.04000	-0.00119	-0.48	1.04067	-0.00069	-0.29
V4A6MD		1.04127	0.00008	0.03	1.04167	0.00031	0.13
VGY4DF		1.04200	0.00081	0.33	1.04133	-0.00003	-0.01
VKJU2Y		1.04357	0.00238	0.95	1.04353	0.00217	0.93
VRJFPR		1.03767	-0.00352	-1.41	1.03967	-0.00169	-0.72
VXJVDE		1.04100	-0.00019	-0.08	1.04113	-0.00023	-0.10
XBJBBF		1.04313	0.00194	0.78	1.04433	0.00297	1.27
XQYB97		1.04367	0.00248	0.99	1.04400	0.00264	1.12
YCTMPB	*	1.03667	-0.00452	-1.81	1.04000	-0.00136	-0.58
YD7CU9		1.04400	0.00281	1.13	1.04433	0.00297	1.27
YUQ3T8		1.04453	0.00334	1.34	1.04430	0.00294	1.25
YVLLV9		1.04133	0.00014	0.06	1.04067	-0.00069	-0.29
YXEEUY		1.03777	-0.00342	-1.37	1.03893	-0.00243	-1.03
YYMNKB		1.04330	0.00211	0.85	1.04297	0.00161	0.68
YZY9PD		1.03933	-0.00186	-0.74	1.03967	-0.00169	-0.72
ZNHZ2C		1.04103	-0.00016	-0.06	1.04140	0.00004	0.02
ZQBU4M		1.04450	0.00331	1.33	1.04463	0.00327	1.39

Summary Statistics	Sample T07	Sample T08
Grand Means	1.041189 sp gr 23/23 C	1.041360 sp gr 23/23 C
Stnd Dev Btwn Labs	0.002495 sp gr 23/23 C	0.002349 sp gr 23/23 C

Statistics based on 68 of 70 reporting participants

Sample T07: ABS & Sample T08: ABS

Comments on Assigned Data Flags for Test #718

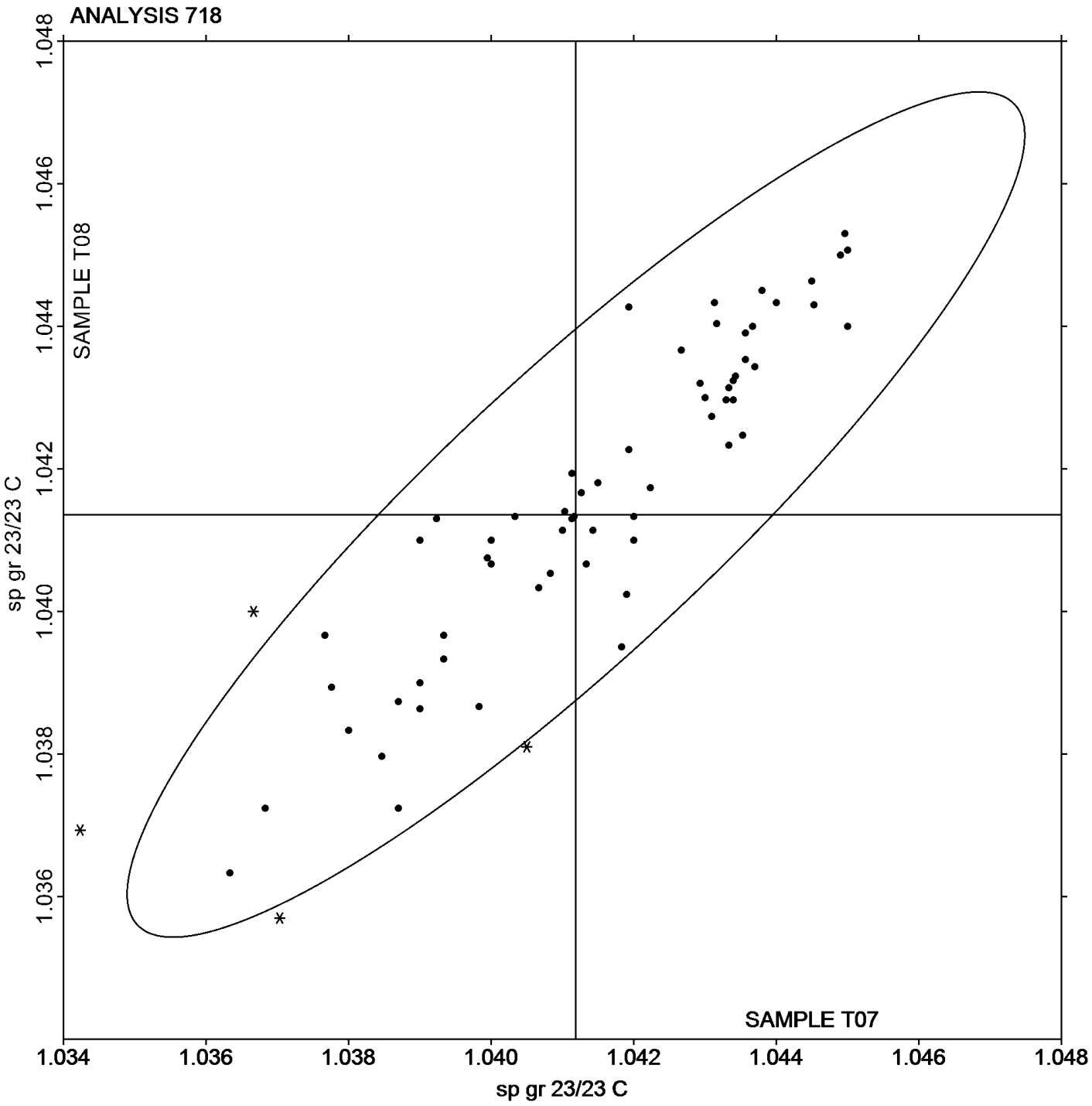
KHMVWN (X) - Data for both samples are high. Possible Systematic Error.

MCCJU8 (X) - Data for sample T07 are low. Inconsistent within the determinations of sample T08.

Results by Methodology (as reported by laboratory)

	Sample T07 *ABS*			Sample T08 *ABS*			
Test Methodology	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	Labs Incl / Rpt
ASTM D792 Method A (water)	1.041377	0.002301	0.000	1.041489	0.002307	0.000	47/49
ASTM D792 Method B (not water)	1.041808	0.001279	0.001	1.041600	0.001034	0.000	4/4
ASTM D1505	1.044900	0.000000	0.004	1.045000	0.000000	0.004	1/1
ISO 1183	1.040310	0.003123	-0.001	1.040761	0.002662	-0.001	15/15

Grand Mean Sample T07: 1.0412 sp gr 23/23 C Grand Mean Sample T08: 1.0414 sp gr 23/23 C



WebCode	Data Flag	Sample J07 Lab Mean	Sample J07 Diff from Grand Mean	Sample J07 CPV	Sample J08 Lab Mean	Sample J08 Diff from Grand Mean	Sample J08 CPV
394CAU		378.4	8.7	0.46	383.2	12.7	0.70
3MK8M6	X	362.0	-7.7	-0.41	345.2	-25.3	-1.39
3P9NVR		372.6	2.9	0.15	374.8	4.3	0.24
4V9HDQ		339.7	-30.0	-1.60	342.3	-28.2	-1.55
76CCKN		375.1	5.4	0.29	371.3	0.8	0.05
77FCAM		360.2	-9.5	-0.51	366.0	-4.5	-0.25
9QG6DX	X	118.7	-251.0	-13.41	118.2	-252.2	-13.88
9X3ZE2		378.3	8.6	0.46	379.3	8.8	0.49
AEYP2H		371.1	1.4	0.08	371.6	1.1	0.06
AH8XDN	*	418.7	49.0	2.62	419.0	48.5	2.67
APLLBW		394.6	24.9	1.33	397.2	26.7	1.47
B7NMFG		366.6	-3.1	-0.17	368.6	-1.9	-0.10
C9CJJ2		380.4	10.6	0.57	381.7	11.2	0.62
CTFJCY		354.4	-15.3	-0.82	353.4	-17.1	-0.94
DFLHBH	*	402.7	32.9	1.76	392.4	21.9	1.20
DLA3GJ		331.2	-38.5	-2.06	332.3	-38.2	-2.10
DX2QCJ		352.4	-17.3	-0.92	353.3	-17.2	-0.95
E8AMTU	*	349.1	-20.6	-1.10	362.1	-8.3	-0.46
GE3FEU		346.6	-23.1	-1.24	347.5	-23.0	-1.27
GY7KJE		373.8	4.1	0.22	370.5	0.0	0.00
HEZADP		375.5	5.8	0.31	380.7	10.2	0.56
JA2D3P		358.4	-11.4	-0.61	359.4	-11.1	-0.61
JDZN2B		400.8	31.1	1.66	401.4	30.9	1.70
JX3JQR		366.7	-3.0	-0.16	365.2	-5.2	-0.29
KHMVWN		376.0	6.3	0.34	373.2	2.7	0.15
LKTGLA		370.0	0.3	0.01	373.6	3.1	0.17
MCCJU8		378.3	8.6	0.46	379.8	9.3	0.51
MRL989		377.5	7.8	0.41	376.6	6.1	0.34
NPVDZ7		371.3	1.6	0.09	371.8	1.3	0.07
PKGBBF		333.8	-36.0	-1.92	329.8	-40.7	-2.24
QRRYHM		367.0	-2.7	-0.14	362.6	-7.9	-0.43
RLJTLG		376.4	6.7	0.36	373.4	2.9	0.16
RVR8NH		370.4	0.6	0.03	363.8	-6.7	-0.37
T9VB7H		365.3	-4.4	-0.24	369.3	-1.2	-0.07
TKA6N3	*	360.0	-9.7	-0.52	374.4	3.9	0.22

WebCode	Data Flag	Sample J07 Lab Mean	Sample J07 Diff from Grand Mean	Sample J07 CPV	Sample J08 Lab Mean	Sample J08 Diff from Grand Mean	Sample J08 CPV
VRJFPR		373.3	3.6	0.19	369.8	-0.6	-0.03
VXJVDE		358.4	-11.3	-0.61	353.3	-17.2	-0.95
XBJBBF		337.7	-32.1	-1.71	345.2	-25.3	-1.39
YD7CU9		396.8	27.1	1.45	399.3	28.8	1.59
YFRXKB		383.9	14.2	0.76	385.9	15.5	0.85
YYMNKB		375.6	5.9	0.32	373.7	3.2	0.18
Z2AKNU	X	36.3	-333.4	-17.81	35.8	-334.7	-18.41

Summary Statistics

	Sample J07	Sample J08
Grand Means	369.71 ksi	370.48 ksi
Stnd Dev Btwn Labs	18.72 ksi	18.18 ksi

Statistics based on 39 of 42 reporting participants

Sample J07: ABS & Sample J08: ABS

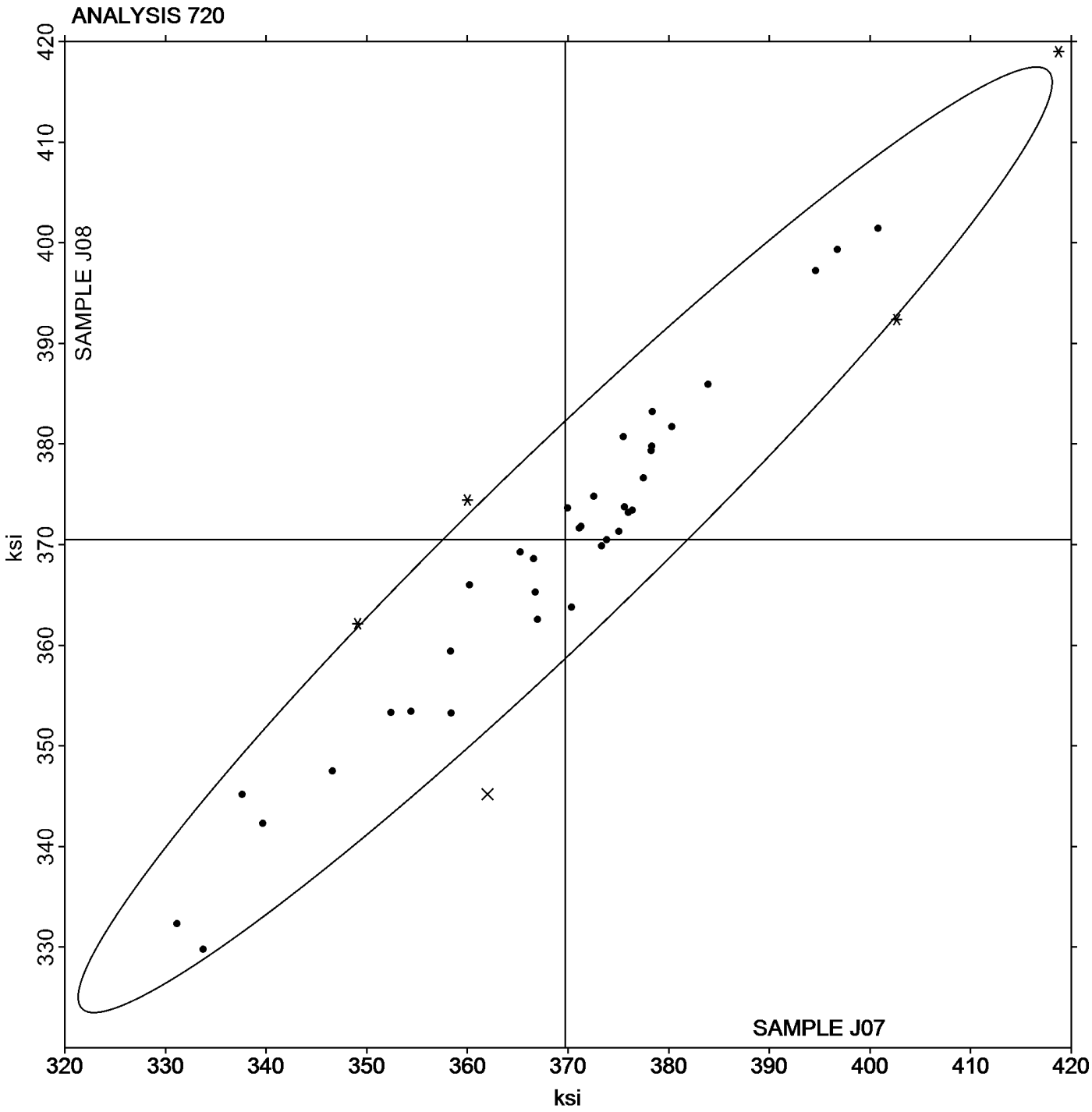
Comments on Assigned Data Flags for Test #720

9QG6DX (X) - Data for both samples are low.

3MK8M6 (X) - Inconsistent in testing between samples.

Z2AKNU (X) - Extreme data.

Grand Mean Sample J07: 369.71 ksi Grand Mean Sample J08: 370.48 ksi



WebCode	Data Flag	Sample J07 Lab Mean	Sample J07 Diff from Grand Mean	Sample J07 CPV	Sample J08 Lab Mean	Sample J08 Diff from Grand Mean	Sample J08 CPV
394CAU		10,480	114	0.26	10,580	162	0.36
3MK8M6		10,143	-223	-0.51	10,133	-285	-0.63
3P9NVR		11,000	634	1.46	11,014	596	1.32
4V9HDQ		10,209	-157	-0.36	10,273	-145	-0.32
77FCAM		10,412	46	0.11	10,516	98	0.22
9QG6DX	X	5,976	-4,391	-10.14	5,947	-4,471	-9.92
9X3ZE2		10,293	-73	-0.17	10,410	-8	-0.02
AEYP2H		10,811	445	1.03	10,843	426	0.94
AH8XDN		10,919	553	1.28	10,914	496	1.10
APLLBW	*	11,660	1,294	2.99	11,800	1,382	3.07
B7NMFG		10,090	-276	-0.64	10,062	-356	-0.79
C9CJJ2		10,344	-22	-0.05	10,374	-44	-0.10
CTFJCY		10,586	220	0.51	10,631	213	0.47
DLA3GJ		9,989	-377	-0.87	9,900	-517	-1.15
DX2QCJ		10,224	-143	-0.33	10,235	-183	-0.41
E3AG9X	X	15,233	4,867	11.24	14,999	4,581	10.17
E8AMTU		10,079	-287	-0.66	10,162	-256	-0.57
GE3FEU		10,684	318	0.73	10,930	513	1.14
GY7KJE		10,882	516	1.19	10,856	438	0.97
HEZADP		9,493	-873	-2.02	9,544	-874	-1.94
HLV8ZT		10,743	377	0.87	10,743	325	0.72
JA2D3P	X	9,693	-673	-1.56	9,352	-1,066	-2.37
JDZN2B		10,006	-360	-0.83	9,985	-433	-0.96
JX3JQR		10,240	-126	-0.29	10,124	-293	-0.65
KHMVWN		10,294	-73	-0.17	10,400	-18	-0.04
LKTGLA		10,305	-61	-0.14	10,354	-63	-0.14
MCCJU8		10,250	-116	-0.27	10,206	-212	-0.47
MRL989		10,367	1	0.00	10,398	-20	-0.04
NPVDZ7		10,373	7	0.02	10,436	18	0.04
PKGBBF		9,575	-791	-1.83	9,674	-744	-1.65
QRRYHM		9,744	-622	-1.44	9,717	-700	-1.55
RVR8NH		10,943	576	1.33	10,908	490	1.09
VXJVDE		10,381	14	0.03	10,430	13	0.03
XBJBBF		10,069	-298	-0.69	10,095	-323	-0.72
YD7CU9		10,408	42	0.10	10,714	296	0.66

WebCode	Data Flag	Sample J07 Lab Mean	Sample J07 Diff from Grand Mean	Sample J07 CPV	Sample J08 Lab Mean	Sample J08 Diff from Grand Mean	Sample J08 CPV
YFRXKB	*	10,086	-280	-0.65	10,428	11	0.02
Z2AKNU	X	1,060	-9,306	-21.49	1,013	-9,405	-20.88

Summary Statistics

	Sample J07	Sample J08
Grand Means	10,366.1 psi	10,417.8 psi
Stnd Dev Btwn Labs	432.9 psi	450.5 psi

Statistics based on 33 of 37 reporting participants

Sample J07: ABS & Sample J08: ABS

Comments on Assigned Data Flags for Test #721

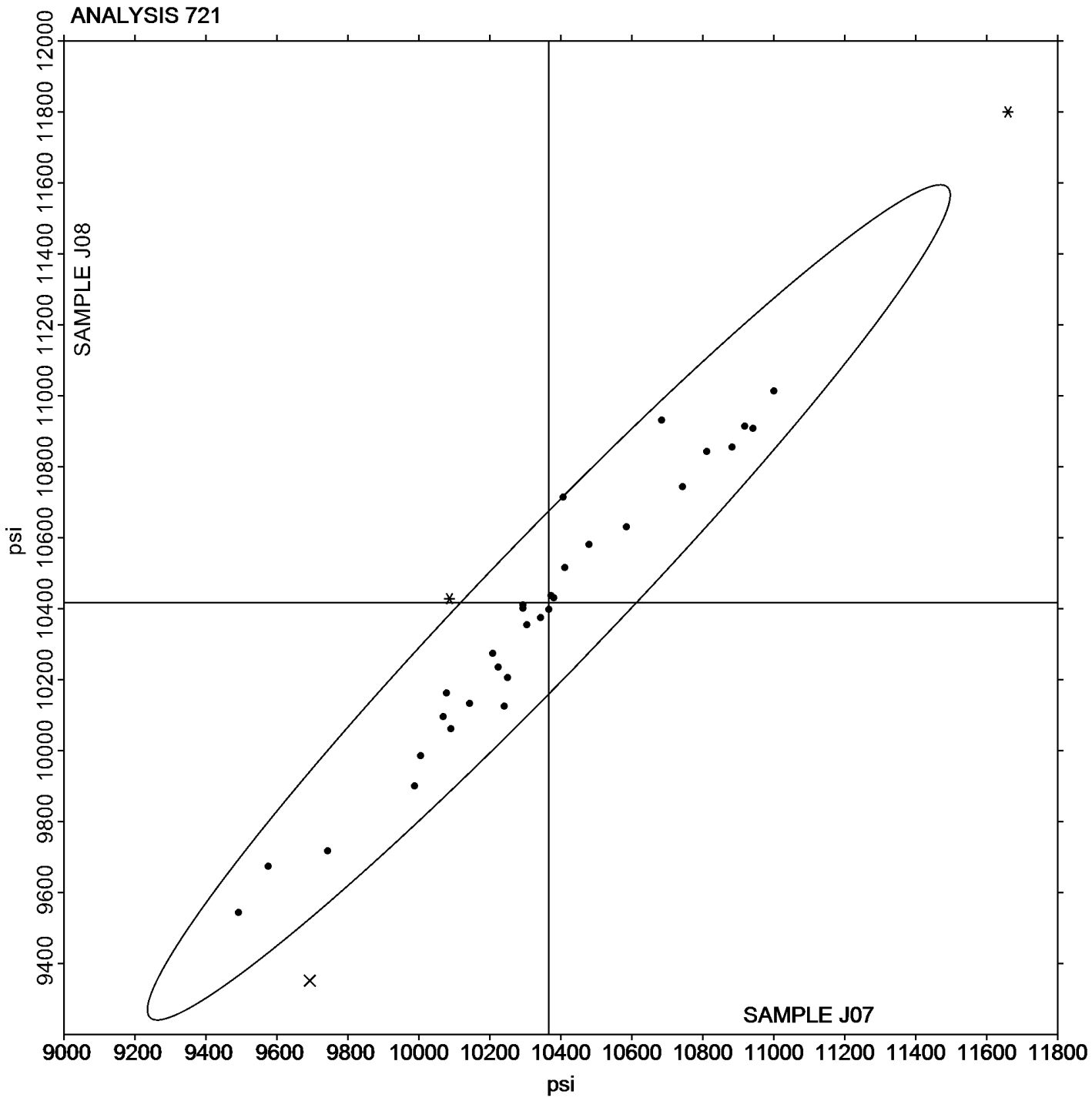
9QG6DX (X) - Data for both samples are low.

JA2D3P (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample J08.

Z2AKNU (X) - Extreme data.

E3AG9X (X) - Data for both samples are high. Inconsistent within the determinations of sample J07.

Grand Mean Sample J07: 10,366.14 psi Grand Mean Sample J08: 10,417.82 psi



WebCode	Data Flag	Sample J07 Lab Mean	Sample J07 Diff from Grand Mean	Sample J07 CPV	Sample J08 Lab Mean	Sample J08 Diff from Grand Mean	Sample J08 CPV
394CAU		10,520	103	0.22	10,580	111	0.21
3MK8M6		10,111	-305	-0.64	10,114	-355	-0.68
3P9NVR		11,015	599	1.25	11,036	567	1.09
4V9HDQ		10,219	-197	-0.41	10,295	-174	-0.33
77FCAM		10,421	4	0.01	10,528	59	0.11
9QG6DX	X	6,092	-4,325	-9.02	6,092	-4,377	-8.42
9X3ZE2		10,334	-83	-0.17	10,443	-25	-0.05
AEYP2H		10,818	402	0.84	10,885	416	0.80
AH8XDN		11,010	594	1.24	11,022	553	1.06
APLLBW		11,680	1,263	2.64	11,800	1,331	2.56
B7NMFG		10,096	-321	-0.67	10,068	-401	-0.77
CTFJCY		10,691	275	0.57	10,696	227	0.44
DFLHBH		10,912	495	1.03	10,773	304	0.58
DLA3GJ		10,016	-400	-0.84	9,943	-525	-1.01
DX2QCJ	M	No data reported for this sample			10,378	-91	-0.17
GE3FEU		10,809	392	0.82	11,045	576	1.11
GY7KJE		10,885	469	0.98	10,856	388	0.75
HEZADP		9,572	-845	-1.76	9,627	-841	-1.62
JA2D3P	*	9,712	-704	-1.47	9,388	-1,081	-2.08
JDZN2B		10,532	116	0.24	10,510	42	0.08
JX3JQR		10,310	-106	-0.22	10,180	-288	-0.55
LKTGLA		10,272	-144	-0.30	10,335	-134	-0.26
MRL989		10,374	-43	-0.09	10,399	-69	-0.13
PKGBBF		9,608	-809	-1.69	9,696	-773	-1.49
QRRYHM		9,757	-660	-1.38	9,727	-742	-1.43
TKA6N3		10,780	363	0.76	10,960	491	0.94
VXJVDE		10,452	35	0.07	10,630	162	0.31
XBJBBF		10,205	-212	-0.44	10,367	-101	-0.19
YD7CU9		10,458	41	0.09	10,758	289	0.56
YFRXKB		10,092	-324	-0.68	10,460	-8	-0.02
Z2AKNU	X	1,072	-9,345	-19.49	1,018	-9,451	-18.17

Summary Statistics	Sample J07	Sample J08
Grand Means	10,416.6 psi	10,468.7 psi
Stnd Dev Btwn Labs	479.5 psi	520.0 psi

Statistics based on 28 of 31 reporting participants

Sample J07: ABS & Sample J08: ABS

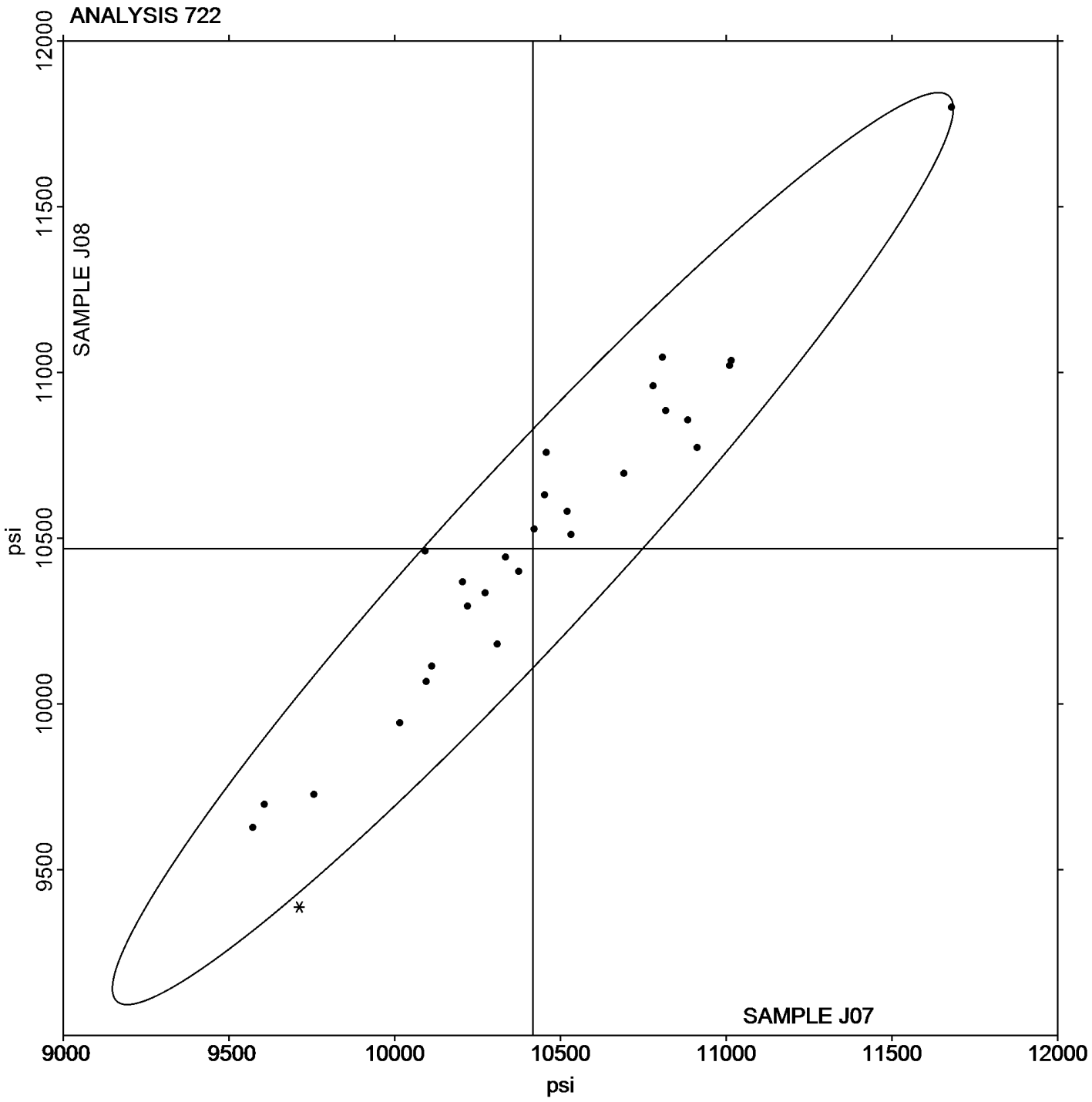
Comments on Assigned Data Flags for Test #722

9QG6DX (X) - Data for both samples are low. Possible Systematic Error.

Z2AKNU (X) - Extreme data.

DX2QCJ (M) - Participant did not submit data for sample J07.

Grand Mean Sample J07: 10,416.57 psi Grand Mean Sample J08: 10,468.68 psi



WebCode	Data Flag	Sample C07 Lab Mean	Sample C07 Diff from Grand Mean	Sample C07 CPV	Sample C08 Lab Mean	Sample C08 Diff from Grand Mean	Sample C08 CPV
2DHPC3		27.95	1.37	2.27	27.69	1.11	1.82
2GZTJ8		26.61	0.03	0.04	26.99	0.41	0.67
394CAU	X	22.74	-3.84	-6.37	22.64	-3.93	-6.43
3TRXQB		27.09	0.51	0.84	26.93	0.35	0.58
46DPRQ		27.21	0.63	1.05	27.27	0.69	1.13
48P6K7		27.42	0.84	1.39	27.50	0.92	1.51
4NAVJ6		26.17	-0.41	-0.68	26.06	-0.52	-0.85
4V9HDQ		26.50	-0.08	-0.14	26.36	-0.22	-0.36
63PFF4	X	30.38	3.80	6.31	30.14	3.56	5.83
68ZQ9X		27.25	0.67	1.11	27.01	0.43	0.70
76CCKN		26.24	-0.34	-0.56	26.03	-0.55	-0.90
7RKRX7		26.42	-0.16	-0.27	26.64	0.06	0.10
7TVP93		26.70	0.12	0.20	26.66	0.08	0.13
88BA7Z		26.72	0.14	0.23	26.46	-0.12	-0.19
9X3ZE2	*	25.78	-0.80	-1.33	26.33	-0.24	-0.40
AZJRY3		26.34	-0.24	-0.39	26.53	-0.05	-0.08
D4T2LG		26.17	-0.41	-0.68	26.11	-0.47	-0.76
DX2QCJ		25.66	-0.92	-1.53	25.77	-0.81	-1.32
E227DE		25.92	-0.66	-1.09	25.86	-0.72	-1.17
E2JF6U		27.42	0.84	1.40	27.28	0.70	1.14
FCENNW	X	22.07	-4.51	-7.48	22.19	-4.39	-7.18
G8K44D		26.78	0.20	0.33	26.80	0.22	0.36
GE3FEU		26.08	-0.50	-0.83	26.08	-0.50	-0.81
GY7KJE	X	27.38	0.80	1.32	21.17	-5.41	-8.84
HEZADP	X	25.49	-1.09	-1.80	24.68	-1.90	-3.10
HUQCTU		27.08	0.50	0.83	27.03	0.45	0.74
J8R8LU	*	25.44	-1.14	-1.89	25.90	-0.68	-1.11
JA2D3P		25.87	-0.71	-1.18	25.63	-0.95	-1.55
LK93UQ	*	27.97	1.39	2.30	28.32	1.74	2.85
LTLWAR		26.66	0.08	0.13	26.80	0.22	0.36
MCCJU8		26.66	0.08	0.13	26.79	0.21	0.34
MMRGXQ		25.86	-0.72	-1.19	25.72	-0.86	-1.40
MQCBR7		26.92	0.34	0.56	27.06	0.48	0.79
MQVATA		26.87	0.29	0.48	26.87	0.30	0.48
N2V3ZF		26.63	0.05	0.08	26.53	-0.05	-0.08

WebCode	Data Flag	Sample C07 Lab Mean	Sample C07 Diff from Grand Mean	Sample C07 CPV	Sample C08 Lab Mean	Sample C08 Diff from Grand Mean	Sample C08 CPV
PBC4VF		27.24	0.66	1.09	27.20	0.62	1.02
PUMXMM		26.95	0.37	0.61	26.58	0.00	0.00
QNTMLM		25.70	-0.88	-1.46	25.42	-1.16	-1.89
QRRYHM		26.28	-0.30	-0.49	26.38	-0.19	-0.32
RLJTLG		26.66	0.08	0.13	26.50	-0.08	-0.13
TKA6N3		26.55	-0.03	-0.04	26.61	0.03	0.06
UHXPU2		27.28	0.70	1.16	27.51	0.93	1.52
VRJFPR		26.31	-0.27	-0.44	26.24	-0.34	-0.55
VXJVDE		26.86	0.28	0.47	26.88	0.30	0.49
YEJNTD		26.38	-0.20	-0.34	25.89	-0.68	-1.12
YVLLV9		26.90	0.32	0.53	26.79	0.21	0.35
YXEEUY		26.52	-0.06	-0.09	26.71	0.13	0.22
YYMNKB		25.49	-1.09	-1.81	25.80	-0.78	-1.27
YZY9PD		26.02	-0.56	-0.92	25.92	-0.66	-1.08

Summary Statistics

	Sample C07	Sample C08
Grand Means	26.580 MPa	26.578 MPa
Stnd Dev Btwn Labs	0.603 MPa	0.612 MPa

Statistics based on 44 of 49 reporting participants

Sample C07: HIPS & Sample C08: HIPS

Comments on Assigned Data Flags for Test #730

HEZADP (X) - Data for sample C08 are low. Inconsistent within the determinations of sample C08.

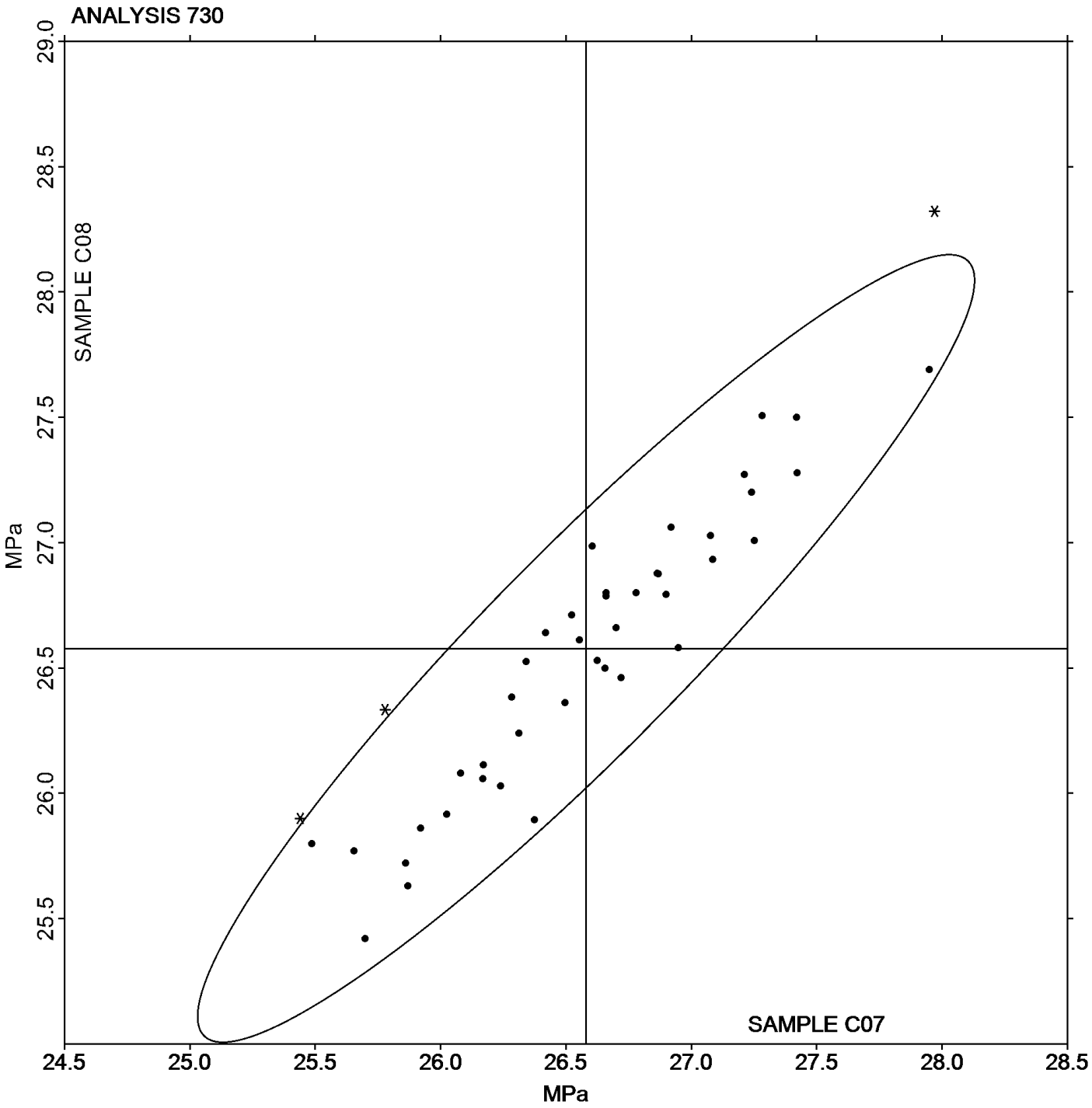
63PFF4 (X) - Data for both samples are high. Possible Systematic Error.

GY7KJE (X) - Data for sample C08 are low.

394CAU (X) - Data for both samples are low. Possible Systematic Error.

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

Grand Mean Sample C07: 26.580 MPa Grand Mean Sample C08: 26.578 MPa



WebCode	Data Flag	Sample C07 Lab Mean	Sample C07 Diff from Grand Mean	Sample C07 CPV	Sample C08 Lab Mean	Sample C08 Diff from Grand Mean	Sample C08 CPV
2DHPC3	*	23.20	1.56	2.08	23.56	1.93	2.79
2GZTJ8		21.64	0.00	0.00	21.42	-0.21	-0.31
394CAU	*	19.62	-2.02	-2.70	20.19	-1.44	-2.07
3TRXQB		21.74	0.10	0.14	21.90	0.27	0.40
46DPRQ		21.36	-0.28	-0.37	21.45	-0.18	-0.25
48P6K7		22.14	0.50	0.67	21.82	0.19	0.27
4NAVJ6		21.80	0.16	0.21	21.95	0.32	0.46
4V9HDQ		20.22	-1.42	-1.90	20.52	-1.11	-1.60
63PFF4	X	24.96	3.32	4.43	24.90	3.27	4.71
68ZQ9X		22.68	1.03	1.38	22.42	0.79	1.14
7RKRX7		20.98	-0.66	-0.88	21.30	-0.33	-0.48
7TVP93		22.06	0.42	0.56	21.84	0.21	0.30
88BA7Z		21.60	-0.04	-0.05	21.07	-0.56	-0.80
9X3ZE2		22.47	0.82	1.10	22.00	0.37	0.54
AZJRY3		22.19	0.55	0.74	22.31	0.68	0.98
D4T2LG		20.22	-1.42	-1.90	20.25	-1.38	-1.98
DX2QCJ		21.22	-0.42	-0.57	21.17	-0.46	-0.66
E227DE		20.98	-0.66	-0.88	20.54	-1.09	-1.57
E2JF6U		21.75	0.11	0.14	21.66	0.03	0.04
FCENNW	X	18.46	-3.18	-4.25	18.28	-3.35	-4.82
G8K44D		21.60	-0.04	-0.06	21.84	0.21	0.30
GE3FEU		21.70	0.06	0.08	21.62	-0.01	-0.01
GY7KJE	X	22.18	0.53	0.71	19.51	-2.12	-3.06
HEZADP		21.60	-0.04	-0.05	21.19	-0.44	-0.63
HUQCTU		22.01	0.37	0.49	22.12	0.49	0.70
J8R8LU		20.94	-0.70	-0.94	21.12	-0.51	-0.73
JA2D3P		21.21	-0.44	-0.58	21.56	-0.07	-0.09
LTLWAR		21.36	-0.28	-0.38	21.48	-0.15	-0.21
MCCJU8		21.46	-0.19	-0.25	21.50	-0.13	-0.19
MMRGXQ	*	20.82	-0.82	-1.10	21.62	-0.01	-0.01
MQCBR7		21.81	0.17	0.23	21.55	-0.08	-0.12
MQVATA		22.01	0.37	0.49	21.86	0.23	0.33
N2V3ZF		21.80	0.16	0.21	21.77	0.14	0.21
PBC4VF		21.50	-0.14	-0.19	21.52	-0.11	-0.16
PUMXMM		21.42	-0.22	-0.30	21.52	-0.11	-0.16

WebCode	Data Flag	Sample C07 Lab Mean	Sample C07 Diff from Grand Mean	Sample C07 CPV	Sample C08 Lab Mean	Sample C08 Diff from Grand Mean	Sample C08 CPV
QNTMLM	X	27.10	5.46	7.29	34.96	13.33	19.20
QRRYHM		20.63	-1.01	-1.35	21.03	-0.60	-0.86
RLJTLG		22.02	0.38	0.50	21.90	0.27	0.39
TKA6N3		22.33	0.68	0.91	22.05	0.42	0.60
UHXPU2		22.48	0.84	1.12	22.22	0.59	0.85
UTWRPH	*	23.67	2.03	2.71	23.79	2.16	3.11
VXJVDE		21.78	0.14	0.19	22.18	0.55	0.80
YEJNTD		21.33	-0.31	-0.41	21.14	-0.49	-0.70
YVLLV9		22.19	0.55	0.73	21.87	0.24	0.35
YXEEUY		21.81	0.17	0.23	21.53	-0.10	-0.14
YZY9PD		21.60	-0.04	-0.06	21.06	-0.57	-0.82

Summary Statistics

	Sample C07	Sample C08
Grand Means	21.642 MPa	21.629 MPa
Stnd Dev Btwn Labs	0.749 MPa	0.694 MPa

Statistics based on 42 of 46 reporting participants

Sample C07: HIPS & Sample C08: HIPS

Comments on Assigned Data Flags for Test #731

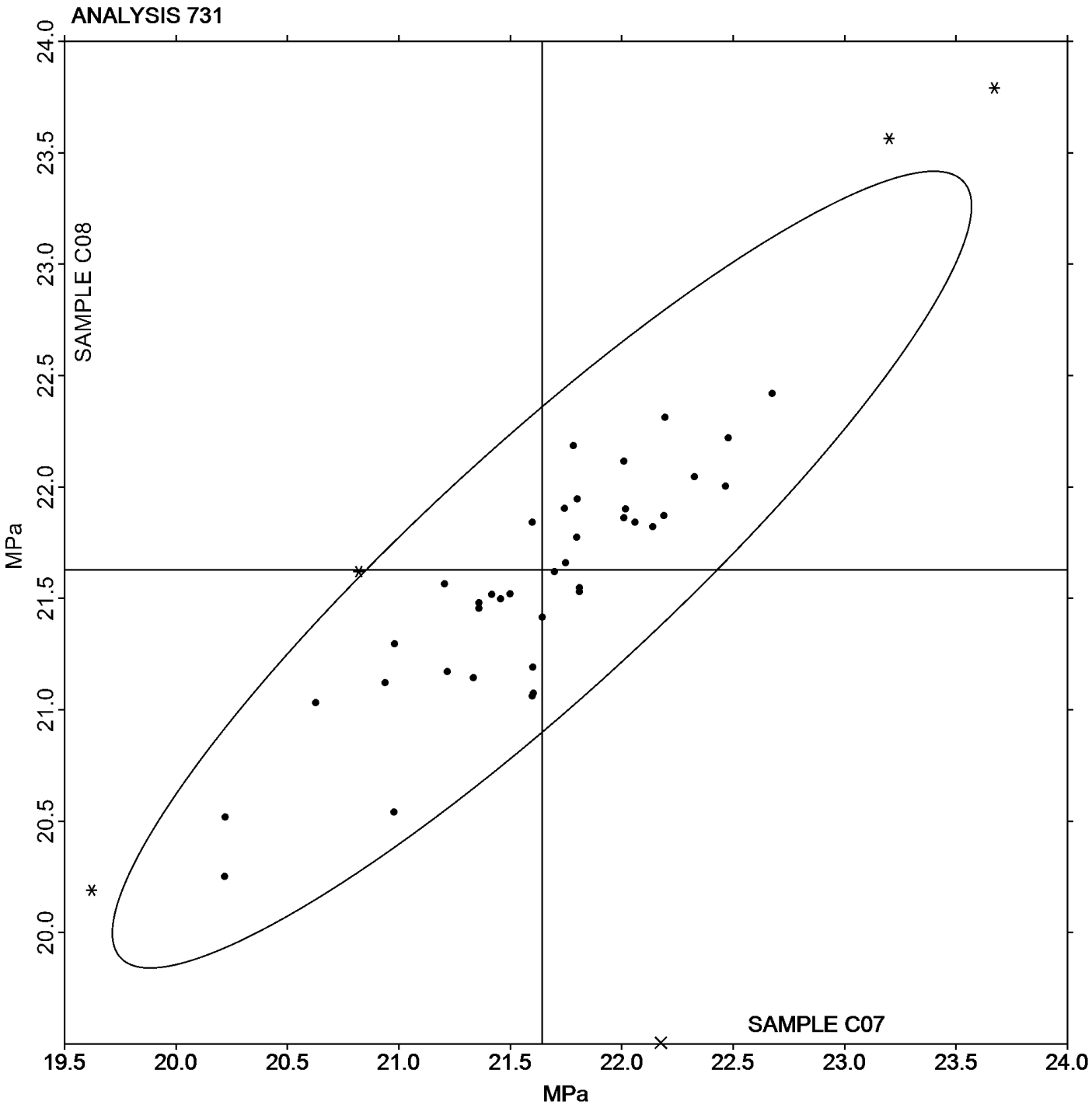
63PFF4 (X) - Data for both samples are high. Possible Systematic Error.

GY7KJE (X) - Data for sample C08 are low.

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

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

Grand Mean Sample C07: 21.642 MPa Grand Mean Sample C08: 21.629 MPa



WebCode	Data Flag	Sample C07 Lab Mean	Sample C07 Diff from Grand Mean	Sample C07 CPV	Sample C08 Lab Mean	Sample C08 Diff from Grand Mean	Sample C08 CPV
2DHPC3	X	2.228	0.931	8.90	2.204	0.908	8.15
2GZTJ8		1.150	-0.147	-1.40	1.162	-0.134	-1.20
394CAU		1.094	-0.203	-1.94	1.106	-0.190	-1.71
3TRXQB		1.308	0.011	0.11	1.304	0.008	0.07
46DPRQ		1.320	0.023	0.22	1.316	0.020	0.18
48P6K7		1.300	0.003	0.03	1.300	0.004	0.04
4NAVJ6		1.170	-0.127	-1.21	1.158	-0.138	-1.24
4V9HDQ		1.312	0.015	0.14	1.304	0.008	0.07
63PFF4	X	0.606	-0.691	-6.60	1.050	-0.246	-2.21
68ZQ9X		1.354	0.057	0.55	1.356	0.060	0.54
7RKRX7		1.350	0.053	0.51	1.395	0.099	0.89
7TVP93		1.300	0.003	0.03	1.300	0.004	0.04
88BA7Z		1.390	0.093	0.89	1.368	0.072	0.64
9X3ZE2		1.214	-0.083	-0.79	1.212	-0.084	-0.75
AZJRY3		1.298	0.001	0.01	1.298	0.002	0.02
D4T2LG		1.298	0.001	0.01	1.292	-0.004	-0.04
DX2QCJ		1.224	-0.073	-0.70	1.224	-0.072	-0.65
E227DE		1.208	-0.089	-0.85	1.208	-0.088	-0.79
E2JF6U		1.374	0.077	0.74	1.370	0.074	0.66
FCENNW		1.030	-0.267	-2.55	1.022	-0.274	-2.46
G8K44D		1.300	0.003	0.03	1.300	0.004	0.04
GE3FEU		1.300	0.003	0.03	1.300	0.004	0.04
GY7KJE	X	1.340	0.043	0.41	1.012	-0.284	-2.55
HEZADP	X	1.254	-0.043	-0.41	1.180	-0.116	-1.04
HUQCTU		1.316	0.019	0.18	1.326	0.030	0.27
JA2D3P		1.334	0.037	0.35	1.332	0.036	0.32
LK93UQ	X	4.998	3.701	35.37	5.066	3.770	33.86
LTLWAR		1.300	0.003	0.03	1.300	0.004	0.04
MCCJU8		1.272	-0.025	-0.24	1.246	-0.050	-0.45
MMRGXQ	X	3.170	1.873	17.90	3.168	1.872	16.81
MQCBR7		1.378	0.081	0.78	1.393	0.097	0.87
MQVATA		1.394	0.097	0.93	1.438	0.142	1.28
N2V3ZF		1.310	0.013	0.12	1.318	0.022	0.20
PBC4VF		1.280	-0.017	-0.16	1.240	-0.056	-0.50
PUMXMM		1.246	-0.051	-0.49	1.214	-0.082	-0.73

WebCode	Data Flag	Sample C07 Lab Mean	Sample C07 Diff from Grand Mean	Sample C07 CPV	Sample C08 Lab Mean	Sample C08 Diff from Grand Mean	Sample C08 CPV
QNTMLM		1.380	0.083	0.79	1.372	0.076	0.68
QRRYHM		1.220	-0.077	-0.74	1.220	-0.076	-0.68
RLJTLG		1.196	-0.101	-0.96	1.152	-0.144	-1.29
TKA6N3		1.468	0.171	1.63	1.470	0.174	1.56
UHXPU2		1.308	0.011	0.11	1.308	0.012	0.11
UTWRPH	X	4.688	3.391	32.40	4.532	3.236	29.06
YEJNTD	X	1.387	0.090	0.86	1.492	0.196	1.76
YVLLV9	*	1.634	0.337	3.22	1.652	0.356	3.20
YXEEUY	X	1.209	-0.088	-0.84	1.053	-0.243	-2.18
YZY9PD		1.360	0.063	0.60	1.380	0.084	0.75

Summary Statistics

	Sample C07	Sample C08
Grand Means	1.2969 Percent	1.2960 Percent
Stnd Dev Btwn Labs	0.1046 Percent	0.1113 Percent

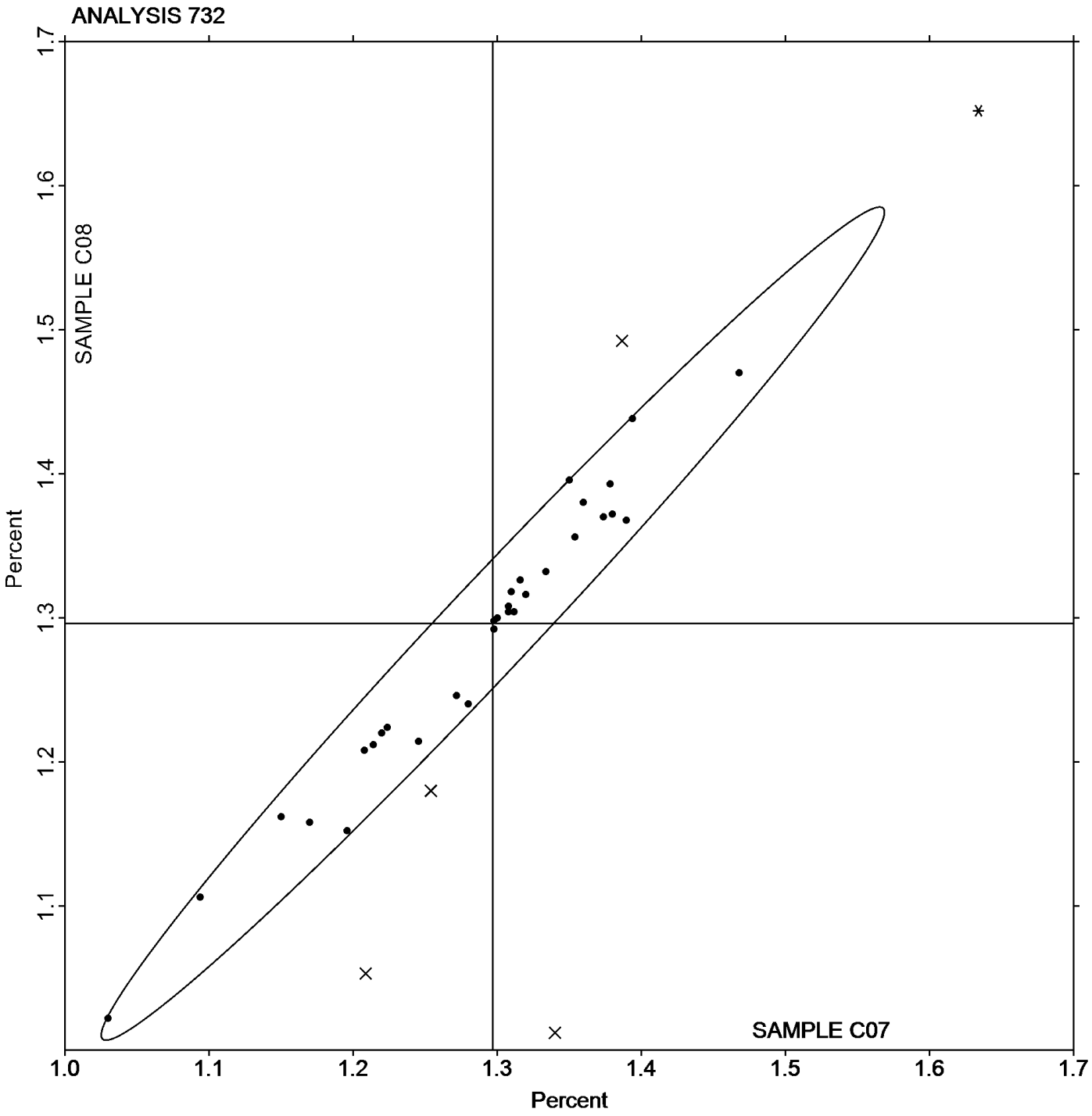
Statistics based on 36 of 45 reporting participants

Sample C07: HIPS & Sample C08: HIPS

Comments on Assigned Data Flags for Test #732

2DHPC3 (X) - Data for both samples are high. Inconsistent within the determinations of sample C08.
HEZADP (X) - Inconsistent in testing between samples. Inconsistent within the determinations of both samples.
63PFF4 (X) - Data for sample C07 are low. Inconsistent within the determinations of both samples.
LK93UQ (X) - Extreme data.
MMRGXQ (X) - Data for both samples are high.
GY7KJE (X) - Inconsistent in testing between samples.
YXEEUY (X) - Inconsistent in testing between samples. Inconsistent within the determinations of both samples.
YEJNTD (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample C08.
UTWRPH (X) - Extreme data.

Grand Mean Sample C07: 1.2969 Percent Grand Mean Sample C08: 1.2960 Percent



WebCode	Data Flag	Sample C07 Lab Mean	Sample C07 Diff from Grand Mean	Sample C07 CPV	Sample C08 Lab Mean	Sample C08 Diff from Grand Mean	Sample C08 CPV
2GZTJ8		2,377	64	0.86	2,364	57	0.68
3TRXQB		2,299	-14	-0.19	2,298	-10	-0.12
46DPRQ		2,285	-28	-0.38	2,301	-6	-0.07
48P6K7	X	2,572	259	3.49	2,476	169	2.00
4NAVJ6	*	2,234	-79	-1.07	2,338	31	0.36
4V9HDQ		2,208	-105	-1.41	2,220	-87	-1.04
63PFF4		2,366	53	0.72	2,335	27	0.32
68ZQ9X		2,254	-59	-0.80	2,215	-92	-1.10
7RKRX7		2,350	37	0.50	2,350	43	0.51
7TVP93		2,336	22	0.30	2,352	44	0.53
88BA7Z		2,376	63	0.85	2,338	31	0.36
9X3ZE2		2,312	-1	-0.02	2,318	10	0.12
AZJRY3		2,323	10	0.14	2,337	29	0.35
D4T2LG		2,212	-101	-1.36	2,211	-96	-1.14
DX2QCJ		2,379	66	0.89	2,383	75	0.89
E227DE		2,351	38	0.52	2,342	35	0.41
E2JF6U		2,392	79	1.06	2,372	65	0.77
FCENNW		2,352	39	0.52	2,384	77	0.91
G8K44D		2,296	-17	-0.23	2,308	1	0.01
GE3FEU		2,268	-45	-0.61	2,268	-39	-0.47
GY7KJE		2,273	-40	-0.54	2,315	8	0.09
HEZADP		2,269	-44	-0.60	2,207	-100	-1.19
HUQCTU		2,374	60	0.82	2,370	62	0.74
JA2D3P	X	2,307	-6	-0.09	2,474	166	1.98
LK93UQ	X	1,852	-461	-6.22	1,949	-359	-4.27
LTLWAR		2,354	40	0.55	2,340	33	0.39
MCCJU8		2,275	-38	-0.51	2,301	-7	-0.08
MMRGXQ		2,456	143	1.93	2,461	154	1.83
MQCBR7		2,417	104	1.40	2,365	57	0.68
MQVATA		2,219	-94	-1.27	2,141	-166	-1.98
N2V3ZF		2,230	-83	-1.12	2,235	-73	-0.87
PBC4VF		2,364	51	0.69	2,322	15	0.17
PUMXMM	X	2,469	156	2.11	2,597	289	3.44
QNTMLM		2,182	-131	-1.77	2,166	-141	-1.68
QRRYHM		2,327	14	0.19	2,306	-1	-0.02

WebCode	Data Flag	Sample C07 Lab Mean	Sample C07 Diff from Grand Mean	Sample C07 CPV	Sample C08 Lab Mean	Sample C08 Diff from Grand Mean	Sample C08 CPV
RLJTLG	X	2,706	393	5.30	5,825	3,518	41.83
TKA6N3		2,389	76	1.02	2,452	145	1.72
UHXPU2		2,435	122	1.65	2,416	108	1.29
YEJNTD	X	2,178	-135	-1.82	1,998	-309	-3.68
YVLLV9		2,307	-6	-0.08	2,281	-26	-0.31
YXEEUY	*	2,131	-183	-2.46	2,054	-254	-3.02
YZY9PD		2,300	-13	-0.17	2,303	-5	-0.06

Summary Statistics

	Sample C07	Sample C08
Grand Means	2,313.1 MPa	2,307.5 MPa
Stnd Dev Btwn Labs	74.1 MPa	84.1 MPa

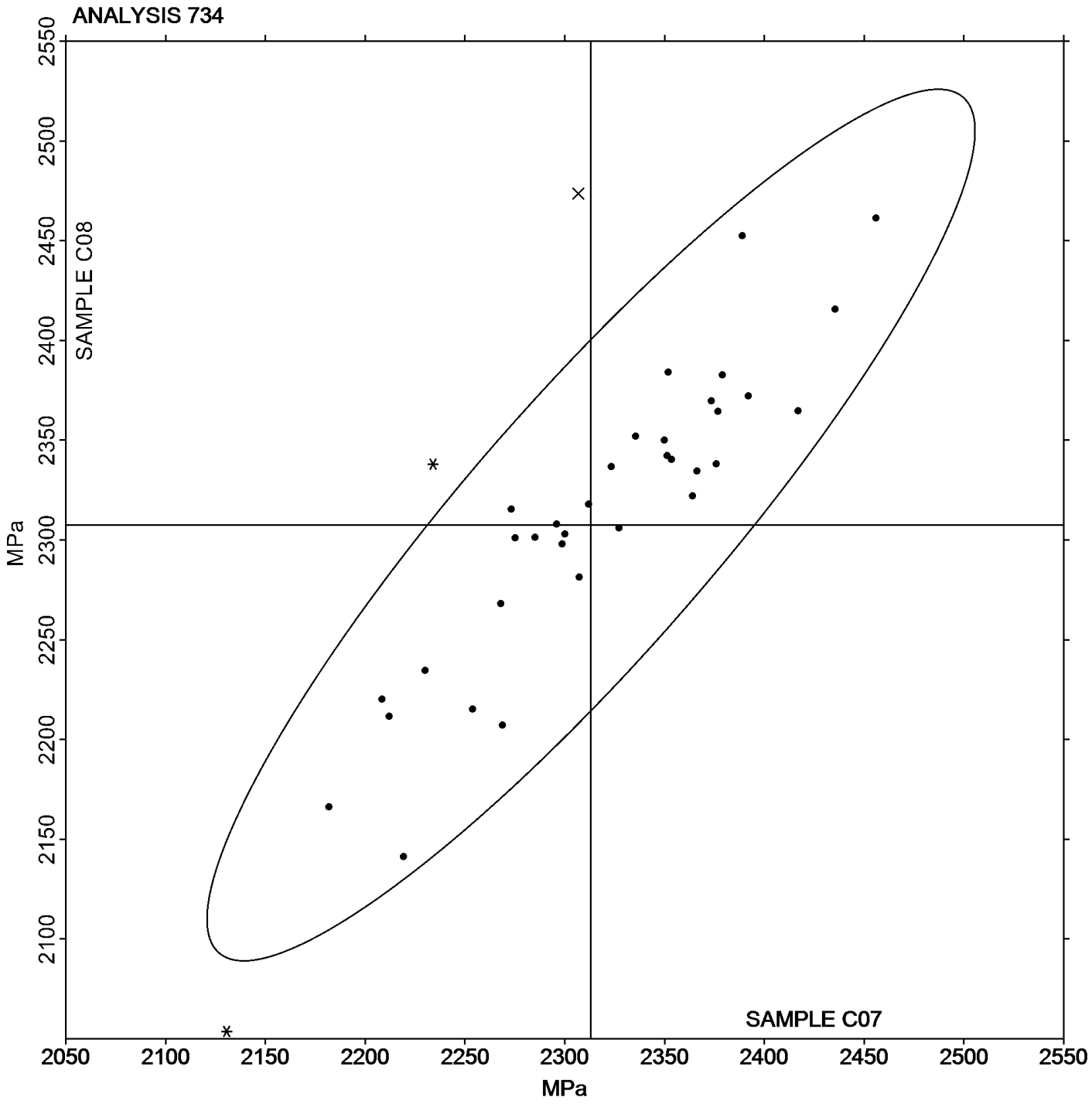
Statistics based on 36 of 42 reporting participants

Sample C07: HIPS & Sample C08: HIPS

Comments on Assigned Data Flags for Test #734

RLJTLG (X) - Extreme data for sample C08.
JA2D3P (X) - Inconsistent in testing between samples.
48P6K7 (X) - Data for sample C07 are high.
PUMXMM (X) - Data for sample C08 are high. Inconsistent within the determinations of both samples.
LK93UQ (X) - Data for both samples are low. Possible Systematic Error.
YEJNTD (X) - Data for sample C08 are low.

Grand Mean Sample C07: 2,313.13 MPa Grand Mean Sample C08: 2,307.48 MPa



WebCode	Data Flag	Sample K07 Lab Mean	Sample K07 Diff from Grand Mean	Sample K07 CPV	Sample K08 Lab Mean	Sample K08 Diff from Grand Mean	Sample K08 CPV
2GZTJ8		2,339	13	0.13	2,329	5	0.05
394CAU		2,445	119	1.19	2,440	117	1.17
3TRXQB		2,304	-22	-0.22	2,313	-11	-0.11
46DPRQ	*	2,298	-27	-0.27	2,370	46	0.46
48P6K7		2,422	96	0.96	2,412	88	0.88
4NAVJ6		2,193	-133	-1.32	2,200	-124	-1.24
4V9HDQ		2,229	-97	-0.97	2,228	-96	-0.96
63PFF4		2,219	-107	-1.06	2,167	-156	-1.57
68ZQ9X		2,273	-52	-0.52	2,265	-59	-0.59
76CCKN		2,284	-42	-0.41	2,286	-38	-0.38
7RKRX7		2,312	-14	-0.14	2,294	-29	-0.29
7TVP93		2,161	-165	-1.64	2,172	-152	-1.52
88BA7Z	*	2,502	176	1.75	2,439	115	1.15
9X3ZE2		2,422	96	0.96	2,420	96	0.97
AZJRY3		2,361	36	0.35	2,326	2	0.02
CJBCWY		2,322	-3	-0.03	2,343	19	0.19
DX2QCJ		2,228	-97	-0.97	2,245	-79	-0.79
E227DE		2,354	28	0.28	2,318	-6	-0.06
E2JF6U		2,290	-36	-0.36	2,332	8	0.08
FCENNW	*	2,618	292	2.91	2,630	307	3.07
G8K44D		2,338	12	0.12	2,324	0	0.00
GE3FEU		2,292	-34	-0.34	2,280	-44	-0.44
GY7KJE		2,454	129	1.28	2,456	132	1.32
HEZADP		2,378	52	0.52	2,414	90	0.90
JA2D3P		2,215	-111	-1.10	2,238	-86	-0.86
LK93UQ		2,275	-50	-0.50	2,299	-25	-0.25
LTLWAR		2,261	-65	-0.65	2,256	-68	-0.68
MCCJU8		2,345	19	0.19	2,357	33	0.34
MMRGXQ	*	2,596	270	2.69	2,592	268	2.69
MQCBR7		2,309	-17	-0.17	2,305	-19	-0.19
MQVATA		2,244	-82	-0.81	2,231	-93	-0.93
PBC4VF		2,188	-138	-1.37	2,224	-100	-1.00
PUMXMM		2,249	-77	-0.77	2,250	-74	-0.74
QNTMLM		2,409	83	0.83	2,440	116	1.17
QRRYHM		2,293	-33	-0.32	2,281	-43	-0.43

WebCode	Data Flag	Sample K07 Lab Mean	Sample K07 Diff from Grand Mean	Sample K07 CPV	Sample K08 Lab Mean	Sample K08 Diff from Grand Mean	Sample K08 CPV
RLJTLG		2,330	5	0.05	2,285	-39	-0.39
TKA6N3		2,360	34	0.34	2,362	38	0.39
UHXPU2		2,380	55	0.54	2,361	38	0.38
UTEC2G		2,198	-128	-1.27	2,188	-136	-1.36
VRJFPR	X	2,266	-60	-0.59	2,426	102	1.02
YXEEUY		2,260	-66	-0.66	2,240	-84	-0.84
YYMNKB		2,345	20	0.20	2,335	11	0.11
YZY9PD		2,382	57	0.56	2,351	27	0.27

Summary Statistics

	Sample K07	Sample K08
Grand Means	2,325.7 MPa	2,323.8 MPa
Stnd Dev Btwn Labs	100.6 MPa	99.8 MPa

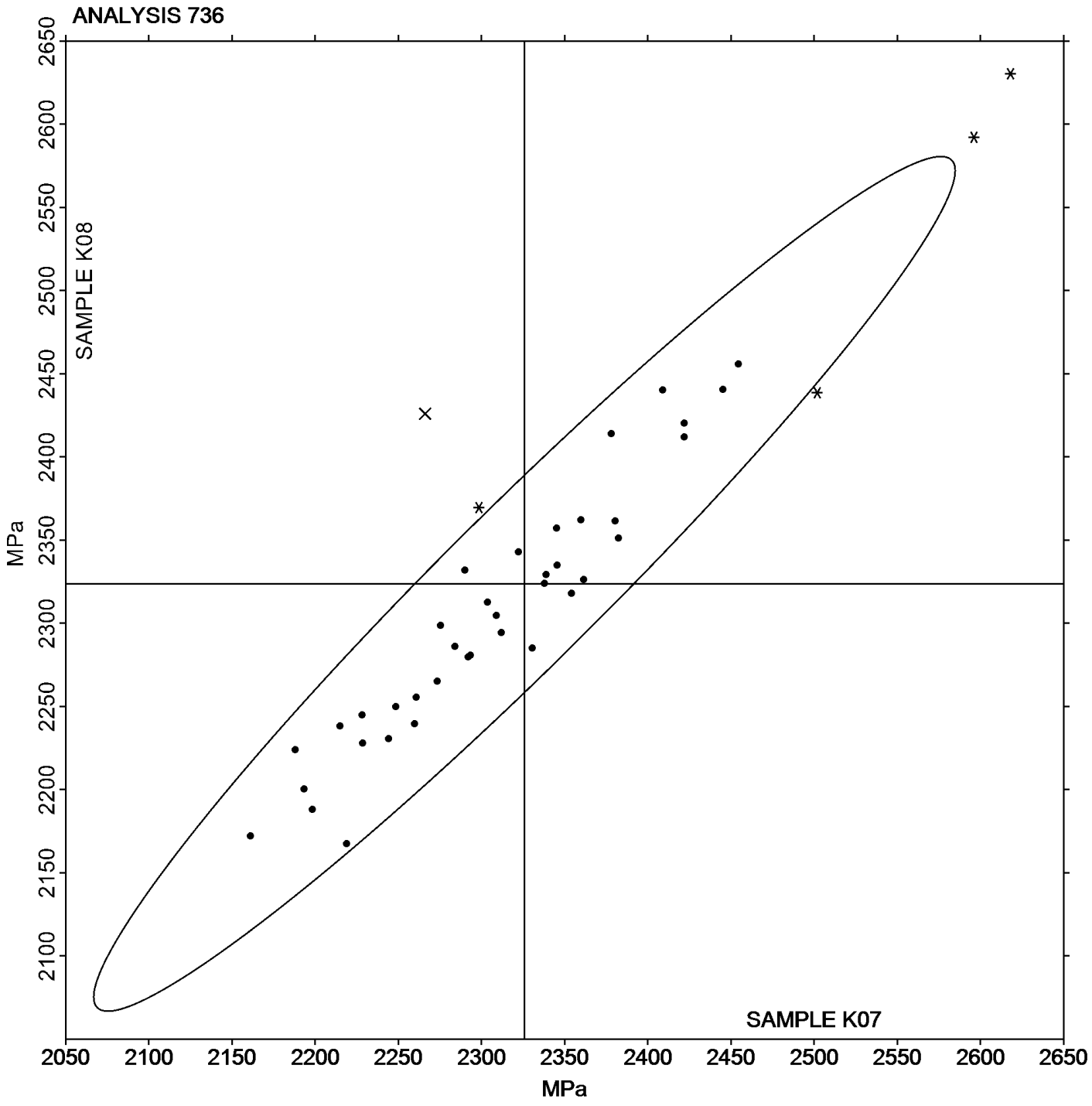
Statistics based on 42 of 43 reporting participants

Sample K07: HIPS & Sample K08: HIPS

Comments on Assigned Data Flags for Test #736

VRJFPR (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample K08.

Grand Mean Sample K07: 2,325.74 MPa Grand Mean Sample K08: 2,323.75 MPa



WebCode	Data Flag	Sample K07 Lab Mean	Sample K07 Diff from Grand Mean	Sample K07 CPV	Sample K08 Lab Mean	Sample K08 Diff from Grand Mean	Sample K08 CPV
2GZTJ8		43.25	1.25	0.98	43.14	1.19	0.91
394CAU		43.86	1.86	1.46	44.28	2.33	1.78
3TRXQB		41.78	-0.22	-0.17	41.64	-0.31	-0.24
46DPRQ		42.88	0.88	0.69	42.70	0.75	0.57
4NAVJ6		41.51	-0.49	-0.39	41.49	-0.47	-0.36
4V9HDQ		41.42	-0.58	-0.45	41.19	-0.76	-0.58
63PFF4		42.27	0.27	0.21	42.06	0.11	0.08
68ZQ9X		41.99	-0.01	-0.01	41.85	-0.10	-0.08
7RKRX7		39.63	-2.37	-1.86	39.68	-2.27	-1.74
7TVP93		42.04	0.04	0.03	42.16	0.21	0.16
88BA7Z	X	41.06	-0.94	-0.74	39.91	-2.04	-1.56
9X3ZE2		41.25	-0.74	-0.58	41.16	-0.79	-0.61
AZJRY3		42.29	0.29	0.23	41.69	-0.26	-0.20
DX2QCJ		40.31	-1.69	-1.32	40.23	-1.72	-1.32
E2JF6U		42.53	0.53	0.42	42.36	0.41	0.31
FCENNW		42.56	0.56	0.44	42.44	0.49	0.37
G8K44D		42.80	0.81	0.63	42.49	0.54	0.42
GE3FEU		41.98	-0.02	-0.02	41.83	-0.13	-0.10
GY7KJE		44.80	2.80	2.20	44.71	2.76	2.11
HEZADP	X	35.90	-6.09	-4.78	36.60	-5.35	-4.10
JA2D3P	X	39.54	-2.46	-1.93	35.71	-6.24	-4.78
LTLWAR		41.80	-0.20	-0.16	41.80	-0.15	-0.12
MCCJU8		41.93	-0.06	-0.05	41.84	-0.11	-0.08
MMRGXQ		42.92	0.92	0.72	42.88	0.93	0.71
MQCBR7		42.39	0.39	0.30	42.78	0.83	0.63
MQVATA		41.46	-0.54	-0.42	41.17	-0.78	-0.60
PBC4VF	*	42.06	0.06	0.05	42.66	0.71	0.54
PUMXMM		41.14	-0.86	-0.67	41.01	-0.95	-0.72
QNTMLM		39.50	-2.49	-1.95	39.75	-2.20	-1.68
QRRYHM	*	38.93	-3.07	-2.40	38.58	-3.37	-2.58
TKA6N3		42.83	0.83	0.65	42.90	0.94	0.72
UHXPU2		43.98	1.98	1.55	43.97	2.01	1.54
UTEC2G		41.41	-0.58	-0.46	41.81	-0.15	-0.11
YXEEUY		41.01	-0.99	-0.78	40.98	-0.97	-0.74
YZY9PD		43.44	1.44	1.13	43.24	1.29	0.99

Summary Statistics	Sample K07	Sample K08
Grand Means	41.999 MPa	41.952 MPa
Stnd Dev Btwn Labs	1.276 MPa	1.306 MPa

Statistics based on 32 of 35 reporting participants

Sample K07: HIPS & Sample K08: HIPS

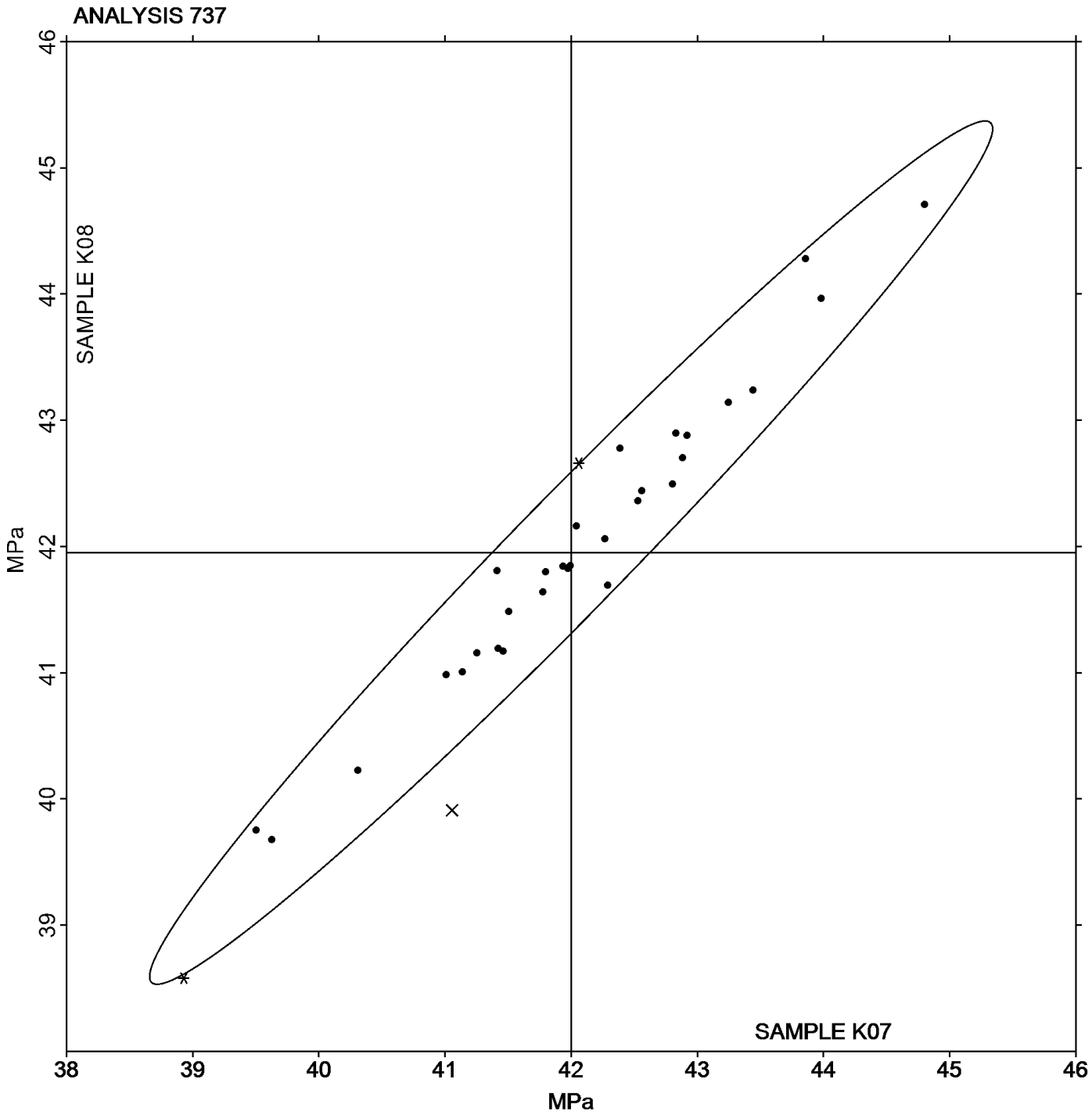
Comments on Assigned Data Flags for Test #737

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

88BA7Z (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample K08.

JA2D3P (X) - Data for sample K08 are low. Inconsistent within the determinations of both samples.

Grand Mean Sample K07: 41.999 MPa Grand Mean Sample K08: 41.952 MPa



WebCode	Data Flag	Sample K07 Lab Mean	Sample K07 Diff from Grand Mean	Sample K07 CPV	Sample K08 Lab Mean	Sample K08 Diff from Grand Mean	Sample K08 CPV
2GZTJ8	*	43.45	0.78	0.74	44.36	1.72	1.56
394CAU	X	1.85	-40.82	-38.36	1.86	-40.78	-37.01
3TRXQB		42.09	-0.58	-0.54	41.99	-0.65	-0.59
46DPRQ		43.37	0.71	0.67	43.11	0.47	0.43
48P6K7		43.34	0.68	0.64	43.20	0.56	0.51
4NAVJ6		42.21	-0.45	-0.42	42.28	-0.36	-0.33
4V9HDQ		41.84	-0.82	-0.77	41.62	-1.02	-0.93
63PFF4		44.01	1.35	1.27	43.60	0.96	0.87
68ZQ9X		42.36	-0.31	-0.29	42.52	-0.12	-0.11
7TVP93		42.66	0.00	0.00	42.66	0.02	0.02
9X3ZE2		41.73	-0.93	-0.88	41.76	-0.88	-0.80
AZJRY3		42.52	-0.14	-0.13	41.90	-0.74	-0.67
DX2QCJ	M	No data reported for this sample			40.49	-2.15	-1.95
E227DE		43.36	0.70	0.66	43.14	0.50	0.45
E2JF6U		43.78	1.11	1.05	43.46	0.82	0.74
FCENNW		43.18	0.52	0.49	42.96	0.32	0.29
G8K44D		44.22	1.56	1.46	43.87	1.23	1.11
GE3FEU		42.38	-0.28	-0.27	42.01	-0.63	-0.58
GY7KJE		44.82	2.16	2.03	44.73	2.09	1.89
HEZADP	X	36.10	-6.56	-6.16	36.92	-5.72	-5.19
JA2D3P	X	39.83	-2.83	-2.66	35.39	-7.25	-6.58
LK93UQ		42.74	0.08	0.07	43.13	0.49	0.44
LTLWAR		41.64	-1.02	-0.96	41.82	-0.82	-0.74
MMRGXQ		43.34	0.68	0.64	43.22	0.58	0.53
MQCBR7		42.39	-0.27	-0.26	42.78	0.14	0.12
MQVATA		41.84	-0.82	-0.77	41.52	-1.12	-1.02
PBC4VF		42.06	-0.60	-0.57	42.66	0.02	0.02
QRRYHM	*	39.53	-3.13	-2.94	39.24	-3.40	-3.09
TKA6N3		43.32	0.66	0.62	43.64	1.00	0.91
UTEC2G		42.36	-0.31	-0.29	42.84	0.20	0.18
YXEEUY		41.34	-1.33	-1.25	41.29	-1.35	-1.22

Summary Statistics	Sample K07	Sample K08
Grand Means	42.661 MPa	42.640 MPa
Stnd Dev Btwn Labs	1.064 MPa	1.102 MPa

Statistics based on 27 of 31 reporting participants

Sample K07: HIPS & Sample K08: HIPS

Comments on Assigned Data Flags for Test #738

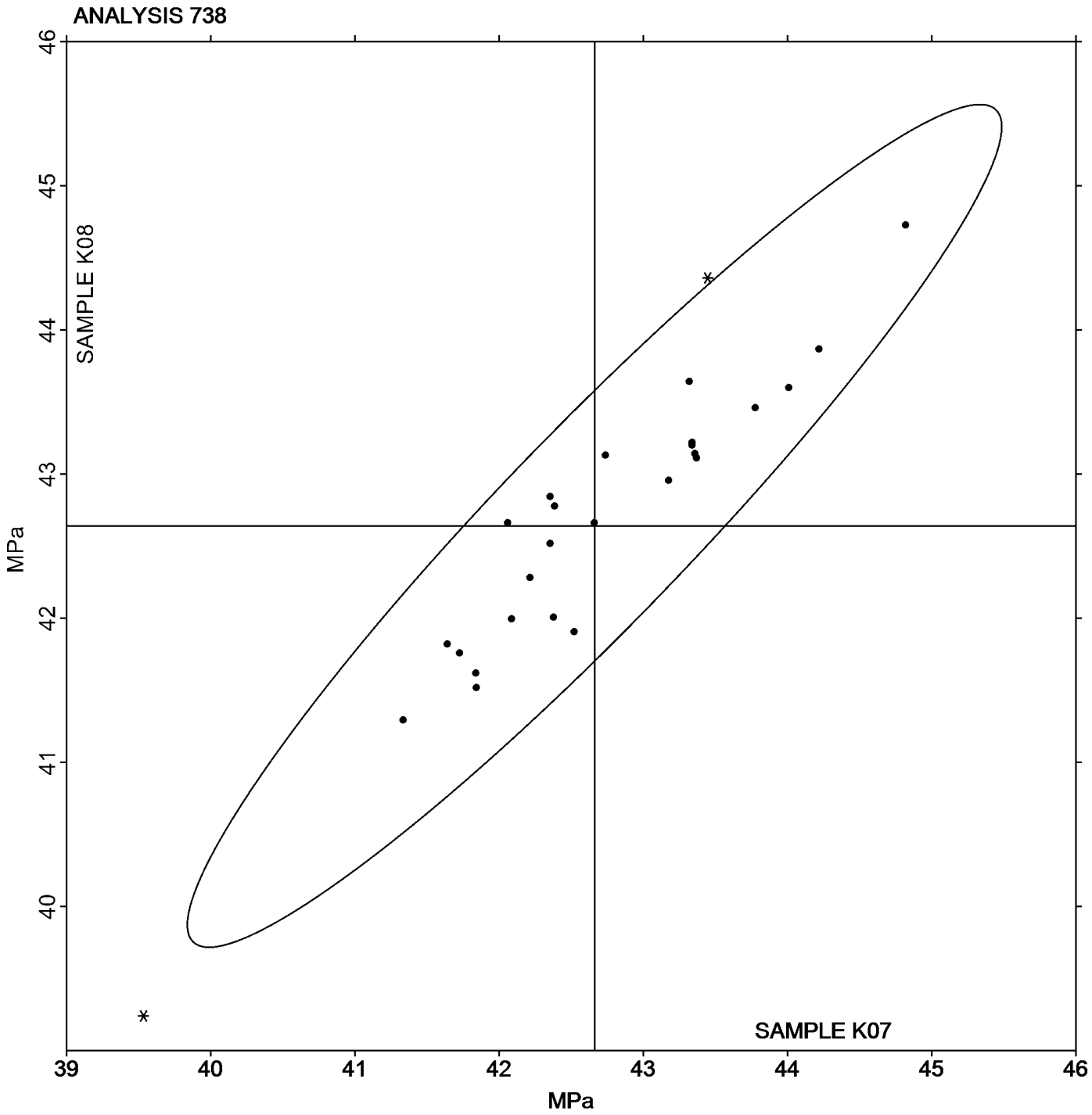
HEZADP (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of both samples.

JA2D3P (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of both samples.

394CAU (X) - Extreme data.

DX2QCJ (M) - Participant did not submit data for sample K07.

Grand Mean Sample K07: 42.661 MPa Grand Mean Sample K08: 42.640 MPa



WebCode	Data Flag	Sample X07 Lab Mean	Sample X07 Diff from Grand Mean	Sample X07 CPV	Sample X08 Lab Mean	Sample X08 Diff from Grand Mean	Sample X08 CPV	Instr Code
26LVE4	X	10.66	3.97	17.50	10.76	4.10	18.85	WZ
2GZTJ8		6.55	-0.13	-0.59	6.55	-0.11	-0.51	TO
2RXVHA	X	8.76	2.08	9.16	8.96	2.30	10.56	TO
2XLBC9		6.80	0.12	0.54	6.75	0.09	0.42	DY
384GFP		6.82	0.14	0.61	6.84	0.18	0.83	TO
394CAU	X	5.90	-0.78	-3.44	6.35	-0.31	-1.43	TO
3HMTW9	X	2.69	-3.99	-17.56	5.82	-0.84	-3.85	CE
3LPPL4	X	10.70	4.02	17.70	10.49	3.83	17.61	WZ
46DPRQ		6.78	0.09	0.41	6.71	0.05	0.23	CE
4NAVJ6		7.03	0.34	1.52	6.88	0.22	1.00	TO
4P6EK7		6.94	0.25	1.12	6.96	0.29	1.36	TO
4V9HDQ		6.76	0.08	0.35	6.86	0.20	0.93	TY
63PFF4		7.24	0.56	2.46	7.14	0.48	2.21	WZ
68ZQ9X		6.82	0.13	0.59	6.74	0.08	0.37	TO
76CCKN	X	6.61	-0.08	-0.33	6.18	-0.49	-2.23	XX
7RKRX7		6.71	0.03	0.12	6.68	0.02	0.09	XX
7TVP93	X	11.98	5.30	23.33	11.83	5.17	23.79	CE
83ZYD7		6.33	-0.36	-1.57	6.34	-0.33	-1.50	WZ
88BA7Z	X	7.40	0.72	3.18	7.59	0.93	4.26	DY
8LCL2Y		6.30	-0.39	-1.70	6.43	-0.23	-1.06	DY
8ZX26Y		6.18	-0.50	-2.21	6.31	-0.36	-1.63	WZ
93T8YV		6.60	-0.08	-0.36	6.40	-0.26	-1.20	KA
9QG6DX		6.74	0.06	0.26	6.69	0.03	0.14	TO
9X3ZE2		6.75	0.07	0.30	6.75	0.08	0.39	WZ
9ZQAQN		6.28	-0.40	-1.75	6.26	-0.41	-1.86	TM
AB6QTE		7.12	0.44	1.93	6.95	0.29	1.33	TO
AZJRY3	X	11.25	4.57	20.12	10.65	3.99	18.35	CE
BV67U3		7.05	0.37	1.63	7.05	0.39	1.79	TO
DFLHBH		6.82	0.13	0.59	6.72	0.06	0.27	TO
E2JF6U		6.58	-0.10	-0.44	6.59	-0.08	-0.35	WZ
E8AMTU		6.75	0.07	0.30	6.80	0.14	0.64	CE
EDR4FD		6.43	-0.25	-1.10	6.40	-0.27	-1.22	TO
EYDQ7R		6.71	0.03	0.13	6.46	-0.21	-0.94	WZ
G8K44D		6.84	0.16	0.70	6.78	0.12	0.55	GO
GE3FEU		6.84	0.15	0.68	6.92	0.26	1.20	TO

		Sample X07			Sample X08			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
GY7KJE		6.36	-0.32	-1.41	6.33	-0.33	-1.52	DY
HEZADP		6.95	0.27	1.18	6.70	0.04	0.18	TO
J64XA9		6.58	-0.10	-0.46	6.51	-0.16	-0.71	TO
JA2D3P		6.50	-0.18	-0.80	6.60	-0.06	-0.28	TO
JDHFAU	*	6.49	-0.20	-0.86	6.82	0.16	0.74	TO
KH7KHP	X	6.81	0.12	0.55	6.23	-0.44	-2.00	DY
KHMVWN		6.60	-0.08	-0.36	6.65	-0.01	-0.05	WZ
LNTRHA	X	7.26	0.58	2.57	6.85	0.19	0.86	KA
LTLWAR	*	6.59	-0.09	-0.40	6.90	0.23	1.08	GO
MCCJU8		6.79	0.11	0.48	6.65	-0.02	-0.07	TO
MMRGXQ		6.35	-0.33	-1.46	6.18	-0.48	-2.21	TO
MQVATA		6.67	-0.01	-0.05	6.59	-0.08	-0.35	TO
MRL989		6.75	0.07	0.30	6.70	0.04	0.18	TO
NDJ4FM		6.92	0.24	1.04	6.82	0.16	0.75	GO
NPVDZ7		7.05	0.37	1.63	7.00	0.34	1.56	RR
NZGH87		6.81	0.13	0.59	6.93	0.27	1.22	TO
PEBLP2		6.68	0.00	-0.02	6.58	-0.09	-0.39	TO
QRRYHM		6.60	-0.08	-0.36	6.55	-0.11	-0.51	CE
QXJ9RK		6.75	0.07	0.30	6.82	0.16	0.74	TO
RLJTLG		6.59	-0.09	-0.40	6.64	-0.02	-0.09	TO
RT6NMK		6.83	0.15	0.66	6.80	0.14	0.64	DY
TKA6N3	X	11.30	4.62	20.34	11.20	4.54	20.88	TO
TYNBVV		6.17	-0.51	-2.23	6.25	-0.41	-1.88	QT
UHXPU2		6.75	0.07	0.30	6.72	0.06	0.27	DY
UK2MWG		6.26	-0.42	-1.85	6.37	-0.29	-1.34	TO
UVXNFD		6.93	0.25	1.10	6.82	0.16	0.75	TO
V4A6MD		6.70	0.02	0.08	6.60	-0.06	-0.28	WZ
VRJFPR	*	6.50	-0.19	-0.82	6.23	-0.43	-1.99	XX
VXJVDE		6.70	0.02	0.08	6.65	-0.01	-0.05	TO
W4M4BU		6.62	-0.06	-0.25	6.61	-0.05	-0.25	TO
WTAWJ2		7.09	0.40	1.78	6.96	0.29	1.36	TO
XBJBBF		6.65	-0.04	-0.16	6.73	0.06	0.30	DY
XQYB97		6.79	0.10	0.46	6.78	0.12	0.55	TO
YD7CU9		6.69	0.01	0.03	6.78	0.12	0.54	TO
YJEHQE		6.61	-0.07	-0.32	6.72	0.06	0.26	TO

WebCode	Data Flag	Sample X07 Lab Mean	Sample X07 Diff from Grand Mean	Sample X07 CPV	Sample X08 Lab Mean	Sample X08 Diff from Grand Mean	Sample X08 CPV	Instr Code
YXEEUY		6.61	-0.07	-0.33	6.56	-0.10	-0.47	TO
YYMNKB		6.50	-0.18	-0.78	6.55	-0.11	-0.52	TO
YZY9PD		6.66	-0.02	-0.09	6.77	0.11	0.51	WZ
ZNHZ2C		6.55	-0.13	-0.58	6.40	-0.26	-1.20	WZ
ZQBU4M		6.55	-0.13	-0.58	6.45	-0.21	-0.97	WZ

Summary Statistics

	Sample X07	Sample X08
Grand Means	6.681 grams/10 mins	6.660 grams/10 mins
Stnd Dev Btwn Labs	0.227 grams/10 mins	0.217 grams/10 mins

Statistics based on 63 of 75 reporting participants

Sample X07: HDPE & Sample X08: HDPE

Comments on Assigned Data Flags for Test #750

26LVE4 (X) - Data for both samples are high.

3LPPL4 (X) - Data for both samples are high.

7TVP93 (X) - Data for both samples are high. Inconsistent within the determinations of sample X08.

88BA7Z (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of sample X08.

KH7KHP (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample X08.

76CCKN (X) - Inconsistent in testing between samples.

LNTRHA (X) - Inconsistent in testing between samples.

TKA6N3 (X) - Data for both samples are high.

394CAU (X) - Data for sample X07 are low. Inconsistent within the determinations of both samples.

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

3HMTW9 (X) - Data for both samples are low.

AZJRY3 (X) - Data for both samples are high.

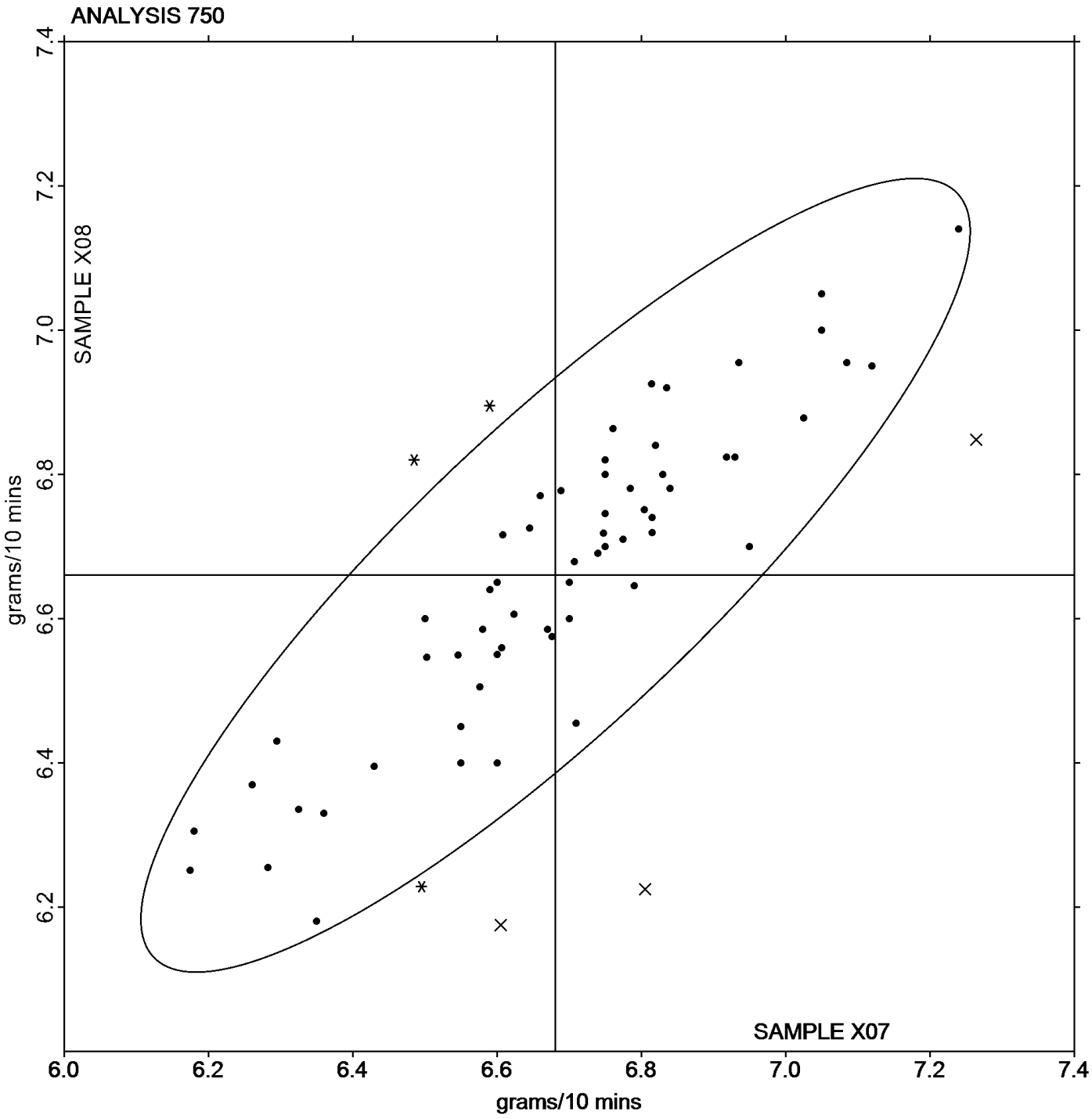
Results by Methodology (as reported by laboratory)

Test Methodology	Sample X07 HDPE Group Mean	Sample X07 HDPE Btwn Lab STD	Sample X07 HDPE Diff from GM	Sample X08 HDPE Group Mean	Sample X08 HDPE Btwn Lab STD	Sample X08 HDPE Diff from GM	Labs Incl / Rpt
Procedure A of ASTM D1238	6.677	0.237	-0.004	6.669	0.213	0.009	28/33
Procedure B of ASTM D1238	6.666	0.239	-0.014	6.615	0.228	-0.045	20/22
Procedure A of ISO 1133	6.740	0.209	0.059	6.708	0.192	0.048	10/13
Procedure B of ISO 1133	6.644	0.199	-0.037	6.694	0.277	0.033	5/6

Key to Instrument Codes Reported by Participants

CE	Ceast	DY	Dynisco
GO	Gottfert	KA	Kayeness
QT	Qualitest	RR	Ray Ran
TM	TMI	TO	Tinius Olsen
TY	Toyoseiki Seisakusho	WZ	Zwick
XX	Instrument manufacturer not specified by lab		

Grand Mean Sample X07: 6.6809 grams/10 mins Grand Mean Sample X08: 6.6601 grams/10 mins



WebCode	Data Flag	Sample Y07 Lab Mean	Sample Y07 Diff from Grand Mean	Sample Y07 CPV	Sample Y08 Lab Mean	Sample Y08 Diff from Grand Mean	Sample Y08 CPV	Instr Code
2GZTJ8		0.11567	-0.00482	-0.38	0.12167	-0.00146	-0.10	AZ
3P9NVR		0.11133	-0.00915	-0.71	0.11237	-0.01076	-0.75	AZ
3TRXQB		0.12600	0.00551	0.43	0.12833	0.00521	0.36	MU
46DPRQ		0.14000	0.01951	1.52	0.14500	0.02187	1.52	MU
48P6K7		0.13300	0.01251	0.98	0.14033	0.01721	1.19	AZ
63PFF4	X	0.08867	-0.03182	-2.48	0.14233	0.01921	1.33	MU
7RKRX7		0.11707	-0.00342	-0.27	0.12143	-0.00169	-0.12	CT
7TVP93		0.11863	-0.00185	-0.14	0.12483	0.00171	0.12	MK
86KT9L		0.11620	-0.00429	-0.33	0.11483	-0.00829	-0.58	CT
CBWK82		0.10667	-0.01382	-1.08	0.11667	-0.00646	-0.45	MU
DFLHBH		0.12653	0.00605	0.47	0.13333	0.01021	0.71	AZ
E2JF6U		0.09047	-0.03002	-2.34	0.09437	-0.02876	-2.00	MU
EZPMDH	X	0.19667	0.07618	5.94	0.21100	0.08787	6.10	CS
FCENNW	*	0.12667	0.00618	0.48	0.11433	-0.00879	-0.61	CT
FYPRKD		0.14200	0.02151	1.68	0.14967	0.02654	1.84	XX
GY7KJE		0.09933	-0.02115	-1.65	0.09367	-0.02946	-2.04	MU
JA2D3P	X	0.22167	0.10118	7.89	0.22267	0.09954	6.91	MU
JAWV6Q		0.14100	0.02051	1.60	0.15100	0.02787	1.93	SB
KH7KHP		0.11100	-0.00949	-0.74	0.10897	-0.01416	-0.98	AZ
KHMVWN		0.13300	0.01251	0.98	0.13800	0.01487	1.03	ML
LK93UQ		0.12400	0.00351	0.27	0.12800	0.00487	0.34	CT
MMRGXQ		0.11767	-0.00282	-0.22	0.12200	-0.00113	-0.08	AZ
QRRYHM		0.11533	-0.00515	-0.40	0.11733	-0.00579	-0.40	MU
RLJTLG		0.11800	-0.00249	-0.19	0.12833	0.00521	0.36	AZ
RT6NMK		0.12733	0.00685	0.53	0.12500	0.00187	0.13	AZ
TKA6N3	X	0.03233	-0.08815	-6.87	0.10867	-0.01446	-1.00	MU
U28UBJ		0.13500	0.01451	1.13	0.13500	0.01187	0.82	MU
UHXPU2		0.12357	0.00308	0.24	0.12508	0.00195	0.14	MJ
UK2MWG	*	0.13050	0.01001	0.78	0.11850	-0.00463	-0.32	SB
UTWRPH	X	0.05290	-0.06759	-5.27	0.05280	-0.07033	-4.88	CT
VXJVDE		0.09833	-0.02215	-1.73	0.09967	-0.02346	-1.63	BA
YD7CU9		0.11890	-0.00159	-0.12	0.12117	-0.00196	-0.14	ML
YEJNTD		0.10200	-0.01849	-1.44	0.10567	-0.01746	-1.21	BA
YYMNKB		0.12830	0.00781	0.61	0.12840	0.00527	0.37	XX
YZY9PD		0.12997	0.00948	0.74	0.13800	0.01487	1.03	BA

WebCode	Data Flag	Sample Y07 Lab Mean	Sample Y07 Diff from Grand Mean	Sample Y07 CPV	Sample Y08 Lab Mean	Sample Y08 Diff from Grand Mean	Sample Y08 CPV	Instr Code
ZQBU4M		0.11167	-0.00882	-0.69	0.11600	-0.00713	-0.49	MK

Summary Statistics

	Sample Y07	Sample Y08
Grand Means	0.120488 Percent	0.123127 Percent
Stnd Dev Btwn Labs	0.012828 Percent	0.014410 Percent

Statistics based on 31 of 36 reporting participants

Sample Y07: ABS & Sample Y08: ABS

Comments on Assigned Data Flags for Test #755

63PFF4 (X) - Inconsistent in testing between samples.
JA2D3P (X) - Data for both samples are high. Possible Systematic Error.
TKA6N3 (X) - Data for sample Y07 are low.
EZPMDH (X) - Data for both samples are high. Possible Systematic Error.
UTWRPH (X) - Data for both samples are low. Possible Systematic Error.

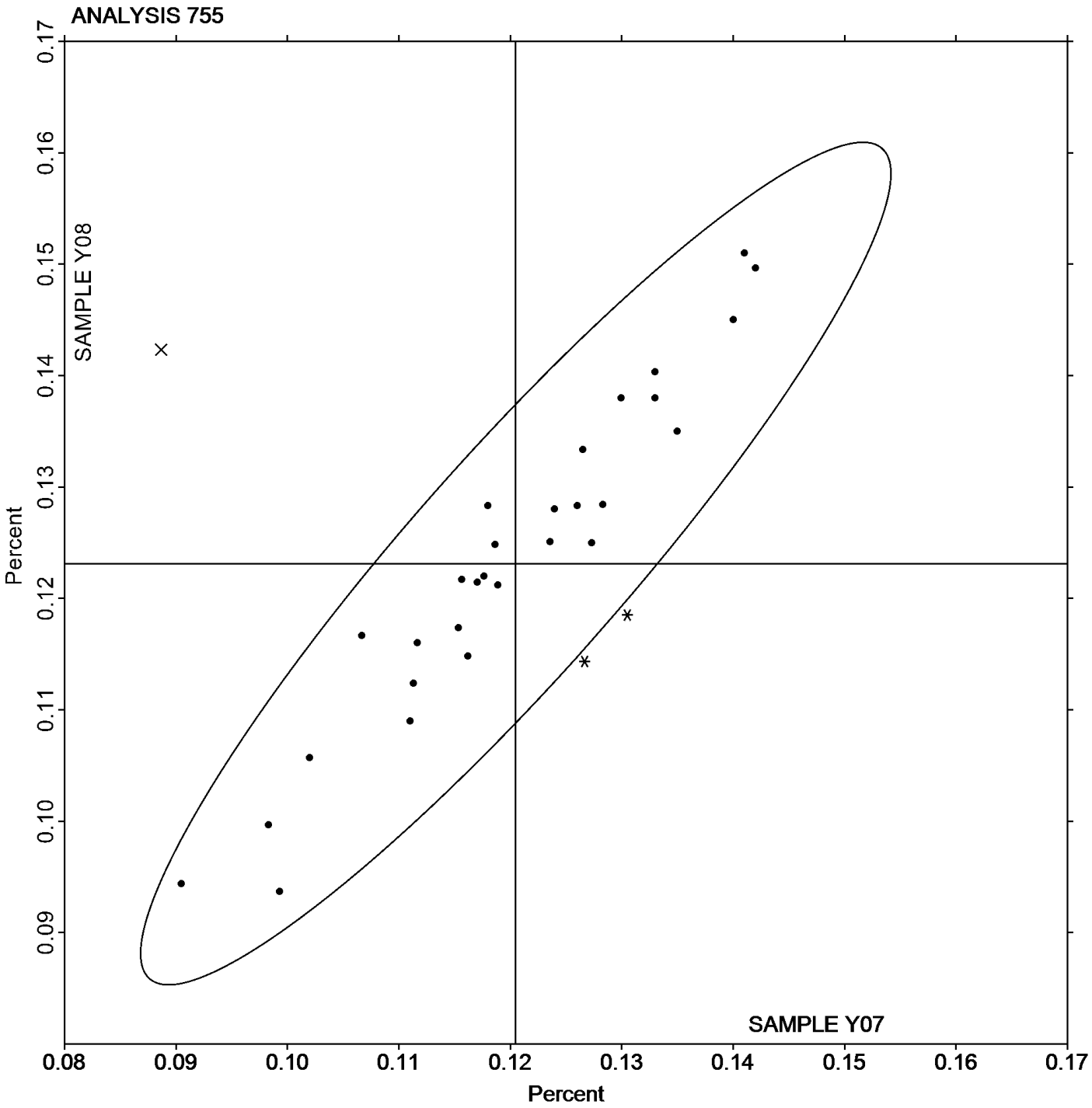
Results by Methodology (as reported by laboratory)

Test Methodology	Sample Y07 ABS Group Mean	Sample Y07 ABS Btwn Lab STD	Sample Y07 ABS Diff from GM	Sample Y08 ABS Group Mean	Sample Y08 ABS Btwn Lab STD	Sample Y08 ABS Diff from GM	Labs Incl / Rpt
ASTM D6869	0.117400	0.011446	-0.0031	0.119946	0.013055	-0.0032	8/10
ISO 15512 Method B	0.110889	0.017857	-0.0096	0.114760	0.017662	-0.0084	3/5
ASTM D6980	0.132574	0.007984	0.0121	0.133426	0.013900	0.0103	9/10
ASTM D7191	0.115348	0.008180	-0.0051	0.118733	0.010734	-0.0044	9/9

Key to Instrument Codes Reported by Participants

AZ Arizona Instruments Moisture Analyzer
BA Brabender Aquatrac
CS Cosa Instruments
CT Computrac Moisture Analyzer
MJ Mitsubishi KF Analyzer Series
MK Mitsubishi KF Analyzer CA
ML Metrohm Coulometer
MU Mettler Toledo
SB Sartorius Mark 3
XX Instrument manufacturer not specified by lab

Grand Mean Sample Y07: 0.12049 Percent Grand Mean Sample Y08: 0.12313 Percent



WebCode	Data Flag	Sample L07 Lab Mean	Sample L07 Diff from Grand Mean	Sample L07 CPV	Sample L08 Lab Mean	Sample L08 Diff from Grand Mean	Sample L08 CPV
394CAU		20.865	0.077	1.55	20.830	0.023	0.63
46DPRQ	*	20.889	0.101	2.03	20.755	-0.053	-1.44
63PFF4	X	20.945	0.157	3.16	20.570	-0.237	-6.51
68ZQ9X		20.810	0.022	0.45	20.830	0.023	0.63
76CCKN	X	20.615	-0.173	-3.47	20.435	-0.372	-10.22
7RKRX7	X	20.345	-0.443	-8.90	20.810	0.003	0.08
7TVP93	X	20.400	-0.388	-7.79	20.500	-0.307	-8.44
8ZX26Y		20.785	-0.003	-0.06	20.795	-0.012	-0.33
9X3ZE2		20.725	-0.063	-1.26	20.850	0.043	1.18
BV67U3		20.805	0.017	0.35	20.835	0.028	0.77
CJBCWY		20.805	0.017	0.35	20.815	0.008	0.22
DLA3GJ		20.770	-0.018	-0.36	20.765	-0.042	-1.16
DX2QCJ		20.815	0.027	0.55	20.835	0.028	0.77
E2JF6U		20.832	0.044	0.88	20.852	0.045	1.22
EZPMDH	*	20.840	0.052	1.05	20.905	0.098	2.69
FCENNW		20.775	-0.013	-0.26	20.805	-0.002	-0.06
FYPRKD	*	20.650	-0.138	-2.77	20.800	-0.007	-0.19
G8K44D		20.745	-0.043	-0.86	20.795	-0.012	-0.33
GE3FEU		20.735	-0.053	-1.06	20.775	-0.032	-0.88
GY7KJE		20.816	0.028	0.57	20.876	0.069	1.89
JA2D3P		20.835	0.047	0.95	20.860	0.053	1.45
JAWV6Q	X	20.415	-0.373	-7.49	20.510	-0.297	-8.16
KHMVWN		20.795	0.007	0.14	20.820	0.013	0.35
LNTRHA	X	20.780	-0.008	-0.16	20.630	-0.177	-4.86
MCCJU8		20.815	0.027	0.55	20.805	-0.002	-0.06
MMRGXQ	X	20.640	-0.148	-2.97	20.660	-0.147	-4.04
MQVATA		20.795	0.007	0.14	20.815	0.008	0.22
NPVDZ7		20.770	-0.018	-0.36	20.825	0.018	0.49
QXJ9RK		20.785	-0.003	-0.06	20.780	-0.027	-0.74
RLJTLG		20.835	0.047	0.95	20.805	-0.002	-0.06
T4YNDU	X	20.675	-0.113	-2.27	20.550	-0.257	-7.06
TKA6N3		20.785	-0.003	-0.06	20.810	0.003	0.08
TZHYFC	X	20.445	-0.343	-6.89	20.710	-0.097	-2.67
UHXPU2	X	20.620	-0.168	-3.37	20.595	-0.212	-5.83
UK2MWG		20.804	0.016	0.32	20.754	-0.053	-1.47

WebCode	Data Flag	Sample L07 Lab Mean	Sample L07 Diff from Grand Mean	Sample L07 CPV	Sample L08 Lab Mean	Sample L08 Diff from Grand Mean	Sample L08 CPV
UVXNFD		20.863	0.075	1.51	20.818	0.010	0.29
VKJU2Y	X	20.520	-0.268	-5.38	20.325	-0.482	-13.24
VRJFPR		20.804	0.016	0.33	20.810	0.002	0.07
W7HH7Z		20.775	-0.013	-0.26	20.755	-0.052	-1.43
WKDYUD		20.755	-0.033	-0.66	20.790	-0.017	-0.47
XQYB97		20.815	0.027	0.55	20.835	0.028	0.77
Y9XQ7B	X	20.560	-0.228	-4.58	20.600	-0.207	-5.69
YD7CU9		20.710	-0.078	-1.56	20.810	0.003	0.08
YKK3CT		20.764	-0.024	-0.48	20.776	-0.032	-0.87
YQTJRA	X	20.805	0.017	0.35	20.360	-0.447	-12.28
YVLLV9		20.785	-0.003	-0.06	20.770	-0.037	-1.02
YXEEUY	X	20.826	0.038	0.77	20.579	-0.228	-6.27
YYMNKB		20.745	-0.043	-0.86	20.741	-0.066	-1.80
YZY9PD	*	20.655	-0.133	-2.67	20.750	-0.057	-1.57
ZJLEAA		20.795	0.007	0.14	20.790	-0.017	-0.47
ZNHZ2C		20.800	0.012	0.24	20.795	-0.012	-0.33
ZQBU4M		20.790	0.002	0.04	20.840	0.033	0.90

Summary Statistics

	Sample L07	Sample L08
Grand Means	20.7878 Percent	20.8071 Percent
Stnd Dev Btwn Labs	0.0498 Percent	0.0364 Percent

Statistics based on 38 of 52 reporting participants

Sample L07: PP & Sample L08: PP

Comments on Assigned Data Flags for Test #757

T4YNDU (X) - Data for sample L08 are low. Inconsistent within the determinations of sample L08.

TZHYFC (X) - Data for sample L07 are low.

7TVP93 (X) - Data for both samples are low. Inconsistent within the determinations of sample L08.

63PFF4 (X) - Data for sample L07 are high and data for sample L08 are low. Inconsistent within the determinations of sample L08.

YQTJRA (X) - Data for sample L08 are low.

JAWV6Q (X) - Data for both samples are low. Inconsistent within the determinations of both samples.

Y9XQ7B (X) - Data for both samples are low. Inconsistent within the determinations of both samples.

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

76CCKN (X) - Data for both samples are low. Inconsistent within the determinations of both samples.

VKJU2Y (X) - Data for both samples are low.

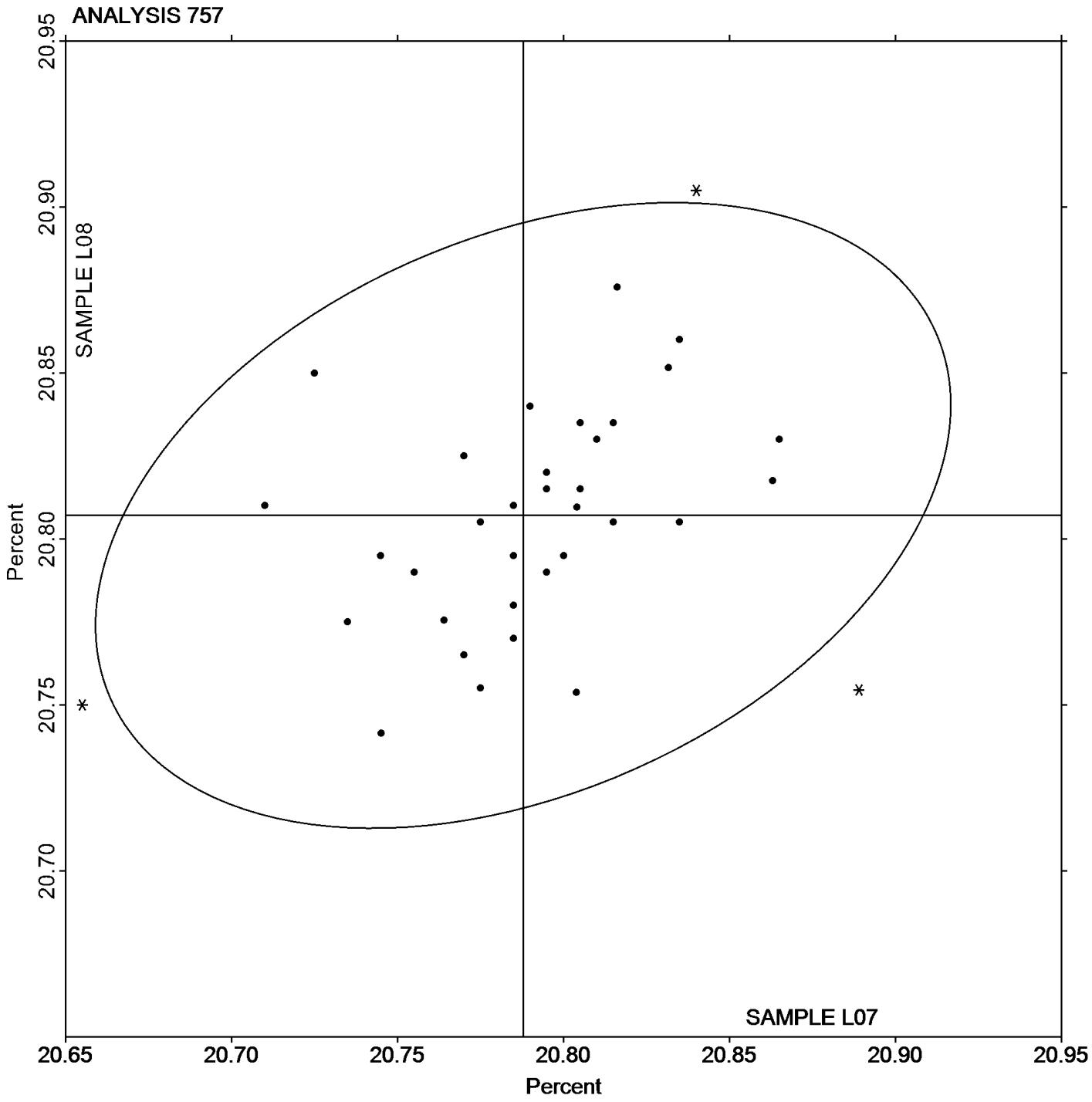
LNTRHA (X) - Data for sample L08 are low.

UHXPU2 (X) - Data for both samples are low.

YXEEUY (X) - Data for sample L08 are low.

7RKRX7 (X) - Data for sample L07 are low. Inconsistent within the determinations of sample L07.

Grand Mean Sample L07: 20.788 Percent Grand Mean Sample L08: 20.807 Percent



WebCode	Data Flag	Sample A07 Lab Mean	Sample A07 Diff from Grand Mean	Sample A07 CPV	Sample A08 Lab Mean	Sample A08 Diff from Grand Mean	Sample A08 CPV	Instr Code
394CAU		70.33	2.64	0.61	70.53	2.67	0.70	MT
77FCAM		70.51	2.82	0.65	70.67	2.82	0.74	TA
796JW6		69.81	2.12	0.49	69.44	1.59	0.42	XX
98QTQX		69.10	1.41	0.33	69.02	1.16	0.30	NZ
9X3ZE2		67.36	-0.33	-0.08	67.26	-0.60	-0.16	TA
CG36PZ		70.29	2.60	0.60	69.63	1.77	0.46	TA
DX2QCJ		70.47	2.78	0.64	69.92	2.07	0.54	TA
GY7KJE		65.06	-2.63	-0.61	65.33	-2.52	-0.66	TA
LTLWAR		65.17	-2.52	-0.58	64.93	-2.93	-0.77	XX
PBC4VF		70.35	2.66	0.62	70.19	2.33	0.61	TA
QXJ9RK	X	8.20	-59.49	-13.78	8.42	-59.43	-15.55	TA
TALCAK	*	54.37	-13.32	-3.08	55.76	-12.10	-3.16	TA
UK2MWG	*	64.67	-3.02	-0.70	68.58	0.72	0.19	TA
UYKB7E		70.50	2.81	0.65	70.35	2.50	0.65	TA
XBJBBF		70.72	3.03	0.70	69.56	1.70	0.45	TA
YD7CU9		66.65	-1.04	-0.24	66.65	-1.21	-0.32	TA

Summary Statistics

	Sample A07	Sample A08
Grand Means	67.689 Percent	67.852 Percent
Stnd Dev Btwn Labs	4.318 Percent	3.822 Percent

Statistics based on 15 of 16 reporting participants

Sample A07: PBT & Sample A08: PBT

Comments on Assigned Data Flags for Test #758

QXJ9RK (X) - Extreme data.

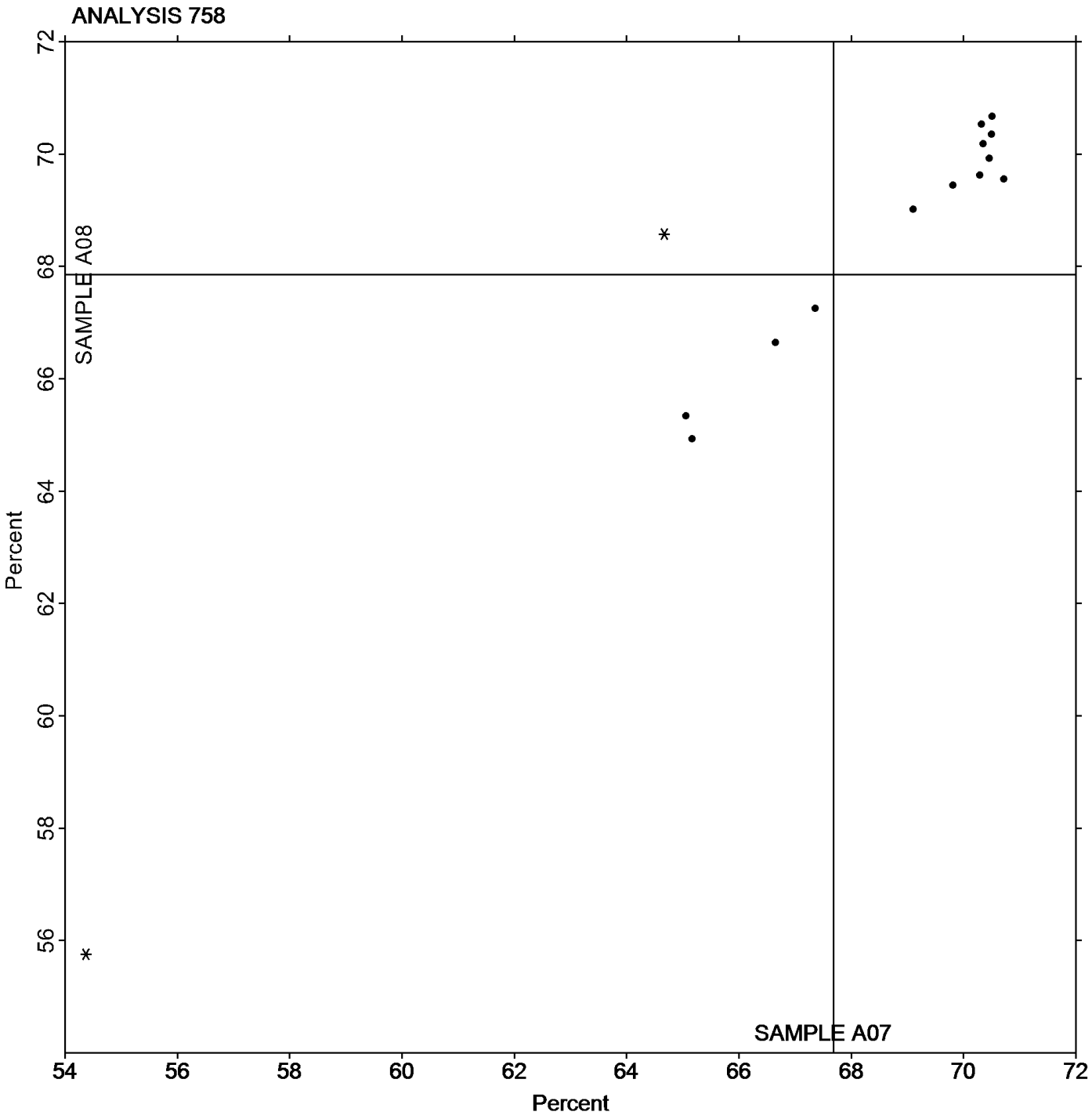
Results by Methodology (as reported by laboratory)

Test Methodology	Sample A07 PBT Group Mean	Sample A07 PBT Btwn Lab STD	Sample A07 PBT Diff from GM	Sample A08 PBT Group Mean	Sample A08 PBT Btwn Lab STD	Sample A08 PBT Diff from GM	Labs Incl / Rpt
ASTM D3850	68.407	2.673	0.72	68.818	1.928	0.97	7/7
ISO 11358	66.833	6.274	-0.86	66.766	5.531	-1.09	6/7

Key to Instrument Codes Reported by Participants

MT Mettler Toledo Instruments
NZ Netzsch Instruments
TA TA Instruments
XX Instrument manufacturer not specified by lab

Grand Mean Sample A07: 67.689 Percent Grand Mean Sample A08: 67.852 Percent



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

WebCode	Data Flag	Sample W07 Lab Mean	Sample W07 Diff from Grand Mean	Sample W07 CPV	Sample W08 Lab Mean	Sample W08 Diff from Grand Mean	Sample W08 CPV	Instr Code
394CAU		105.90	-0.60	-0.21	106.30	-0.31	-0.10	MT
3TRXQB		107.63	1.14	0.41	107.17	0.56	0.19	TA
46DPRQ		105.47	-1.03	-0.37	105.67	-0.94	-0.32	MT
76CCKN	X	116.66	10.16	3.66	112.76	6.15	2.08	TA
77FCAM		102.70	-3.80	-1.37	102.90	-3.71	-1.25	TA
7RKRX7		105.62	-0.88	-0.32	106.01	-0.59	-0.20	TA
88BA7Z		106.43	-0.06	-0.02	106.08	-0.52	-0.18	TA
8ZX26Y		106.94	0.44	0.16	106.47	-0.13	-0.04	TA
98QTQX		103.23	-3.26	-1.18	103.50	-3.11	-1.05	NZ
9X3ZE2		107.33	0.84	0.30	107.15	0.55	0.19	TA
CG36PZ		104.44	-2.06	-0.74	104.66	-1.95	-0.66	TA
DFLHBH	*	115.14	8.64	3.12	115.22	8.61	2.92	TA
DX2QCJ		106.94	0.44	0.16	106.68	0.07	0.02	TA
E2JF6U		105.07	-1.43	-0.51	104.25	-2.36	-0.80	TA
FXFYBX		105.97	-0.53	-0.19	105.17	-1.44	-0.49	NZ
FYPRKD		102.80	-3.70	-1.33	103.07	-3.54	-1.20	NZ
G9GM6F		105.11	-1.39	-0.50	104.90	-1.71	-0.58	TA
L3NCVQ		107.50	1.00	0.36	109.10	2.49	0.84	MT
LTLWAR	X	109.31	2.81	1.01	106.18	-0.43	-0.15	TA
QNTMLM	X	163.12	56.62	20.42	163.38	56.77	19.23	TA
QXJ9RK		107.67	1.17	0.42	108.33	1.73	0.59	TA
TALCAK	X	102.93	-3.56	-1.28	111.90	5.29	1.79	TA
UHXPU2		105.96	-0.54	-0.19	106.29	-0.31	-0.11	TA
UK2MWG	X	119.85	13.35	4.81	121.16	14.55	4.93	TA
UYKB7E		110.77	4.27	1.54	111.30	4.69	1.59	TA
VRJFPR		109.96	3.46	1.25	111.58	4.97	1.68	TA
XBJBBF		107.37	0.87	0.31	106.53	-0.07	-0.02	TA
Z9Q44N		103.47	-3.02	-1.09	103.59	-3.02	-1.02	PE

Summary Statistics

	Sample W07	Sample W08
Grand Means	106.496 Degrees Celsius	106.605 Degrees Celsius
Stnd Dev Btwn Labs	2.773 Degrees Celsius	2.953 Degrees Celsius

Statistics based on 23 of 28 reporting participants

Sample W07: PP & Sample W08: PP

Comments on Assigned Data Flags for Test #760

LTLWAR (X) - Inconsistent in testing between samples.

TALCAK (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample W07.

76CCKN (X) - Data for sample W07 are high. Inconsistent within the determinations of sample W07.

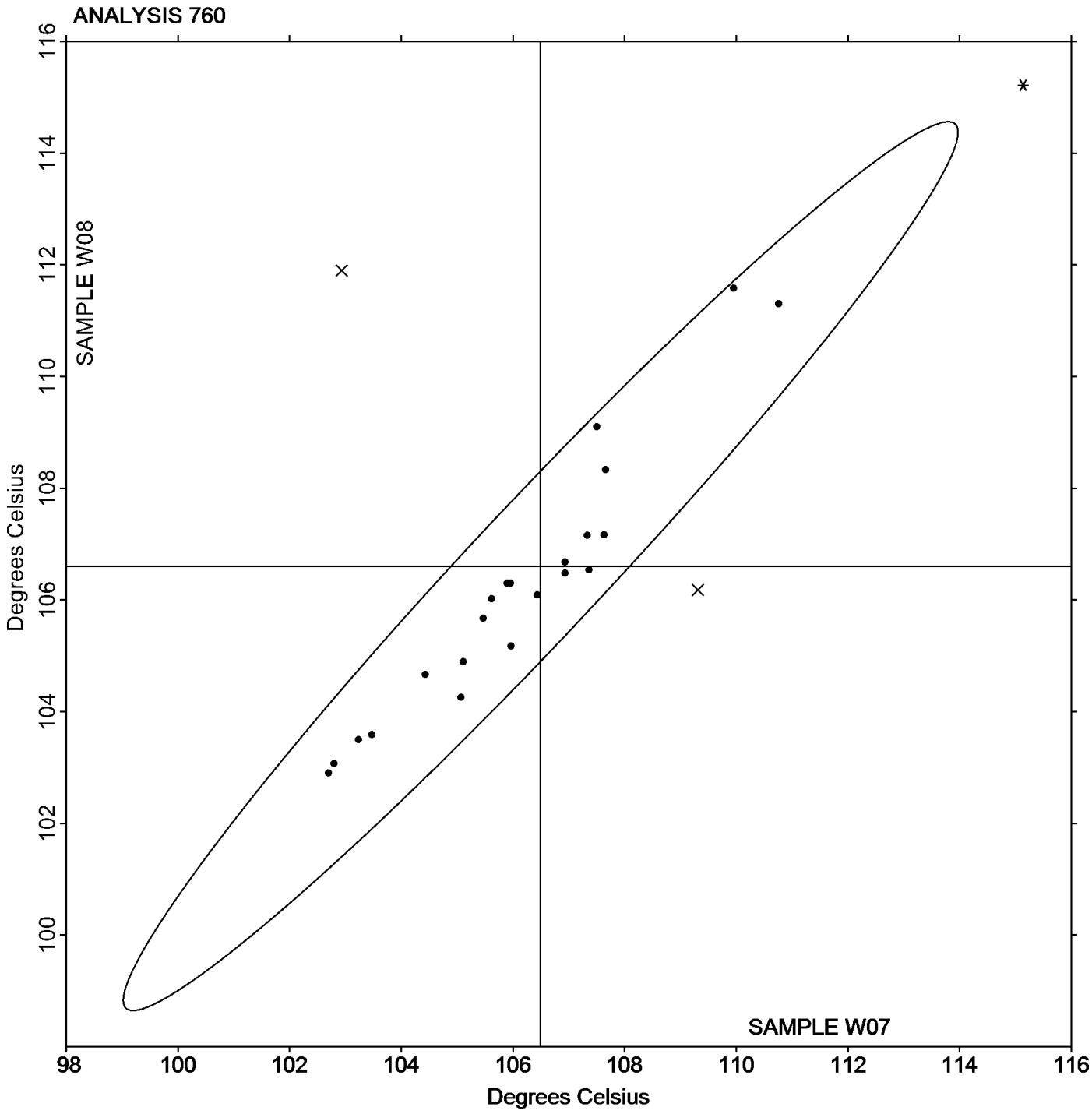
UK2MWG (X) - Data for both samples are high. Possible Systematic Error.

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

Key to Instrument Codes Reported by Participants

MT	Mettler Toledo Instruments	NZ	Netzsch Instruments
PE	Perkins Elmer Instruments	TA	TA Instruments

Grand Mean Sample W07: 106.50 Degrees Celsius Grand Mean Sample W08: 106.61 Degrees Celsius



WebCode	Data Flag	Sample W07 Lab Mean	Sample W07 Diff from Grand Mean	Sample W07 CPV	Sample W08 Lab Mean	Sample W08 Diff from Grand Mean	Sample W08 CPV	Instr Code
394CAU		164.10	-1.75	-0.83	164.47	-1.32	-0.64	XX
3TRXQB		165.83	-0.02	-0.01	165.67	-0.12	-0.06	TA
46DPRQ		167.27	1.42	0.67	166.67	0.88	0.43	MT
77FCAM		169.60	3.75	1.78	169.53	3.75	1.83	TA
7RKRX7		165.24	-0.61	-0.29	165.06	-0.72	-0.35	TA
7TVP93		166.15	0.30	0.14	165.28	-0.50	-0.24	TA
88BA7Z		167.36	1.51	0.71	167.27	1.48	0.72	TA
8ZX26Y		162.76	-3.09	-1.47	163.65	-2.13	-1.04	TA
98QTQX		167.13	1.28	0.61	167.10	1.32	0.64	NZ
9X3ZE2		163.48	-2.37	-1.13	163.95	-1.84	-0.90	TA
CG36PZ		163.84	-2.01	-0.95	164.18	-1.61	-0.78	TA
DF6B6Z		169.46	3.61	1.71	168.98	3.19	1.56	XX
DFLHBH		168.05	2.20	1.04	167.94	2.16	1.05	TA
DX2QCJ		162.88	-2.97	-1.41	162.97	-2.81	-1.37	TA
E2JF6U		163.33	-2.52	-1.20	163.81	-1.98	-0.96	TA
FXFYBX		164.70	-1.15	-0.55	164.13	-1.65	-0.80	NZ
FYPRKD		167.97	2.12	1.00	167.83	2.05	1.00	NZ
G9GM6F		166.95	1.10	0.52	167.19	1.41	0.69	TA
L3NCVQ		165.07	-0.78	-0.37	163.87	-1.92	-0.93	MT
LTLWAR	X	160.80	-5.05	-2.40	165.76	-0.02	-0.01	TA
QXJ9RK		162.67	-3.18	-1.51	162.00	-3.78	-1.84	TA
TALCAK		166.20	0.35	0.17	165.10	-0.68	-0.33	TA
TKA6N3		164.92	-0.93	-0.44	165.51	-0.27	-0.13	TA
UHXPU2		166.71	0.86	0.41	166.52	0.74	0.36	TA
UK2MWG		166.17	0.32	0.15	166.10	0.32	0.15	TA
UVXNFD		162.66	-3.19	-1.52	162.77	-3.01	-1.47	TA
UYKB7E		166.83	0.98	0.47	166.27	0.48	0.23	TA
VRJFPR		164.47	-1.38	-0.66	164.92	-0.86	-0.42	XX
XBJBBF	X	163.92	-1.93	-0.92	166.77	0.98	0.48	TA
YD7CU9	*	168.16	2.31	1.10	169.25	3.47	1.69	TA
YQTJRA		169.71	3.86	1.83	169.44	3.65	1.78	TA
Z9Q44N		165.88	0.03	0.02	166.11	0.33	0.16	PE

Summary Statistics	Sample W07	Sample W08
Grand Means	165.851 Degrees Celsius	165.785 Degrees Celsius
Stnd Dev Btwn Labs	2.106 Degrees Celsius	2.052 Degrees Celsius

Statistics based on 30 of 32 reporting participants

Sample W07: PP & Sample W08: PP

Comments on Assigned Data Flags for Test #761

LTLWAR (X) - Inconsistent in testing between samples.

XBJBBF (X) - Inconsistent in testing between samples.

Key to Instrument Codes Reported by Participants

MT Mettler Toledo Instruments

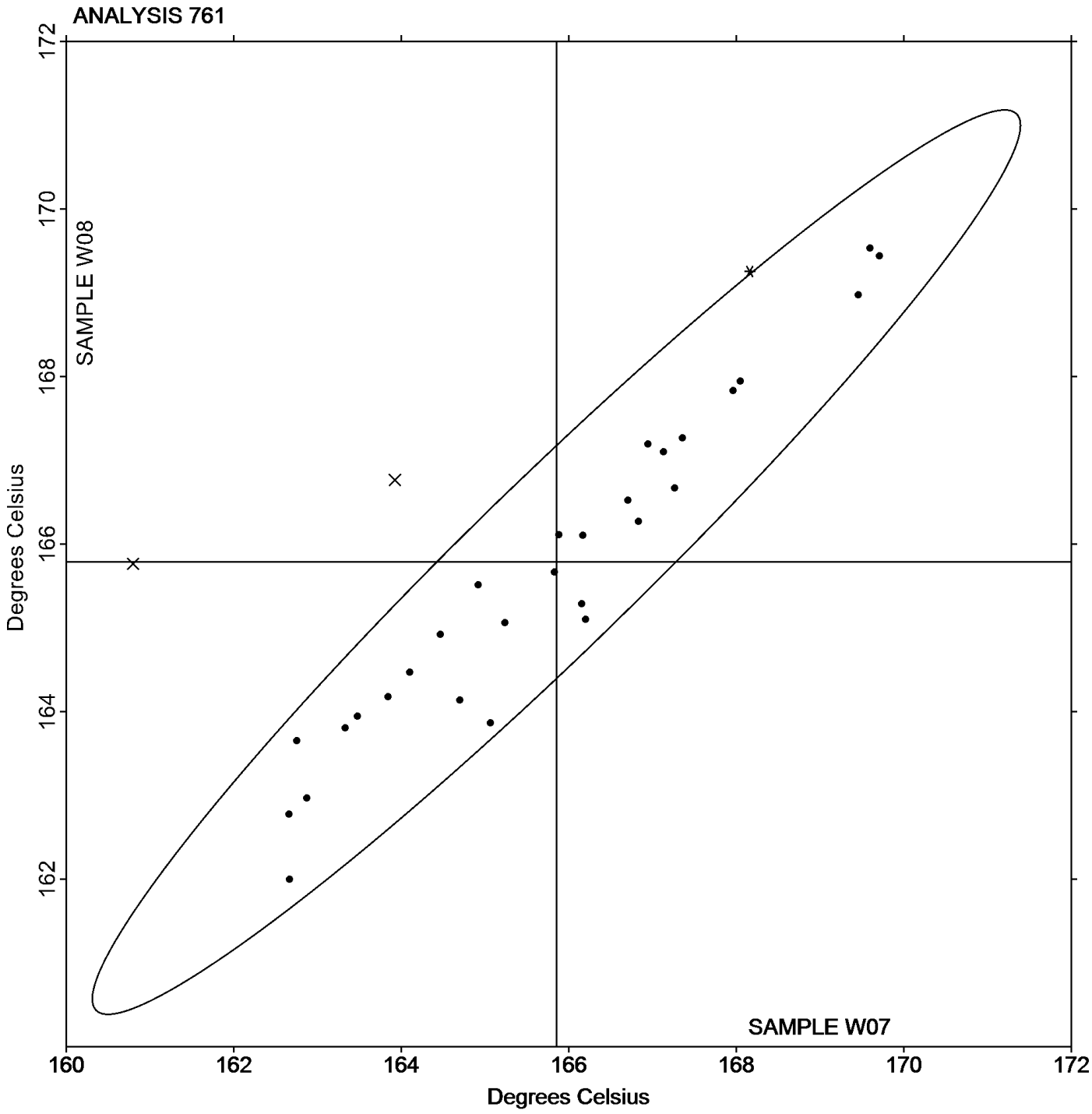
NZ Netzsch Instruments

PE Perkins Elmer Instruments

TA TA Instruments

XX Instrument manufacturer not specified by lab

Grand Mean Sample W07: 165.85 Degrees Celsius Grand Mean Sample W08: 165.78 Degrees Celsius



WebCode	Data Flag	Sample W07 Lab Mean	Sample W07 Diff from Grand Mean	Sample W07 CPV	Sample W08 Lab Mean	Sample W08 Diff from Grand Mean	Sample W08 CPV	Instr Code
394CAU		99.17	0.89	0.16	98.61	-0.37	-0.07	XX
3TRXQB		100.29	2.01	0.36	99.29	0.32	0.06	TA
46DPRQ		96.17	-2.12	-0.38	94.59	-4.38	-0.82	MT
77FCAM	*	111.60	13.32	2.41	107.52	8.55	1.60	TA
7RKRX7		97.34	-0.95	-0.17	99.31	0.33	0.06	TA
88BA7Z		102.16	3.87	0.70	104.32	5.34	1.00	TA
8ZX26Y		96.38	-1.91	-0.35	98.56	-0.42	-0.08	XX
98QTQX		97.39	-0.90	-0.16	97.32	-1.65	-0.31	NZ
9X3ZE2		102.73	4.44	0.80	101.72	2.74	0.52	TA
CG36PZ		98.81	0.52	0.09	102.18	3.20	0.60	TA
DX2QCJ		101.10	2.81	0.51	101.26	2.29	0.43	TA
E2JF6U		90.22	-8.07	-1.46	90.71	-8.26	-1.55	TA
FXFYBX		97.17	-1.12	-0.20	103.43	4.46	0.84	NZ
FYPRKD		90.71	-7.58	-1.37	95.64	-3.33	-0.62	NZ
G9GM6F		89.70	-8.58	-1.55	89.70	-9.27	-1.74	TA
L3NCVQ		109.37	11.08	2.01	111.87	12.89	2.42	MT
LTLWAR		99.04	0.75	0.14	98.43	-0.54	-0.10	TA
QXJ9RK		101.72	3.44	0.62	101.93	2.96	0.56	TA
TALCAK		93.19	-5.10	-0.92	97.49	-1.48	-0.28	TA
UHXPU2		101.53	3.25	0.59	100.97	1.99	0.37	TA
UK2MWG	X	208.45	110.16	19.94	318.68	219.71	41.25	TA
UYKB7E		93.30	-4.99	-0.90	92.43	-6.54	-1.23	TA
XBJBBF		99.59	1.30	0.24	98.31	-0.66	-0.12	TA
Z9Q44N		91.88	-6.41	-1.16	90.77	-8.20	-1.54	PE

Summary Statistics

	Sample W07	Sample W08
Grand Means	98.285 Joules Per Gram	98.972 Joules Per Gram
Stnd Dev Btwn Labs	5.525 Joules Per Gram	5.326 Joules Per Gram

Statistics based on 23 of 24 reporting participants

Sample W07: PP & Sample W08: PP

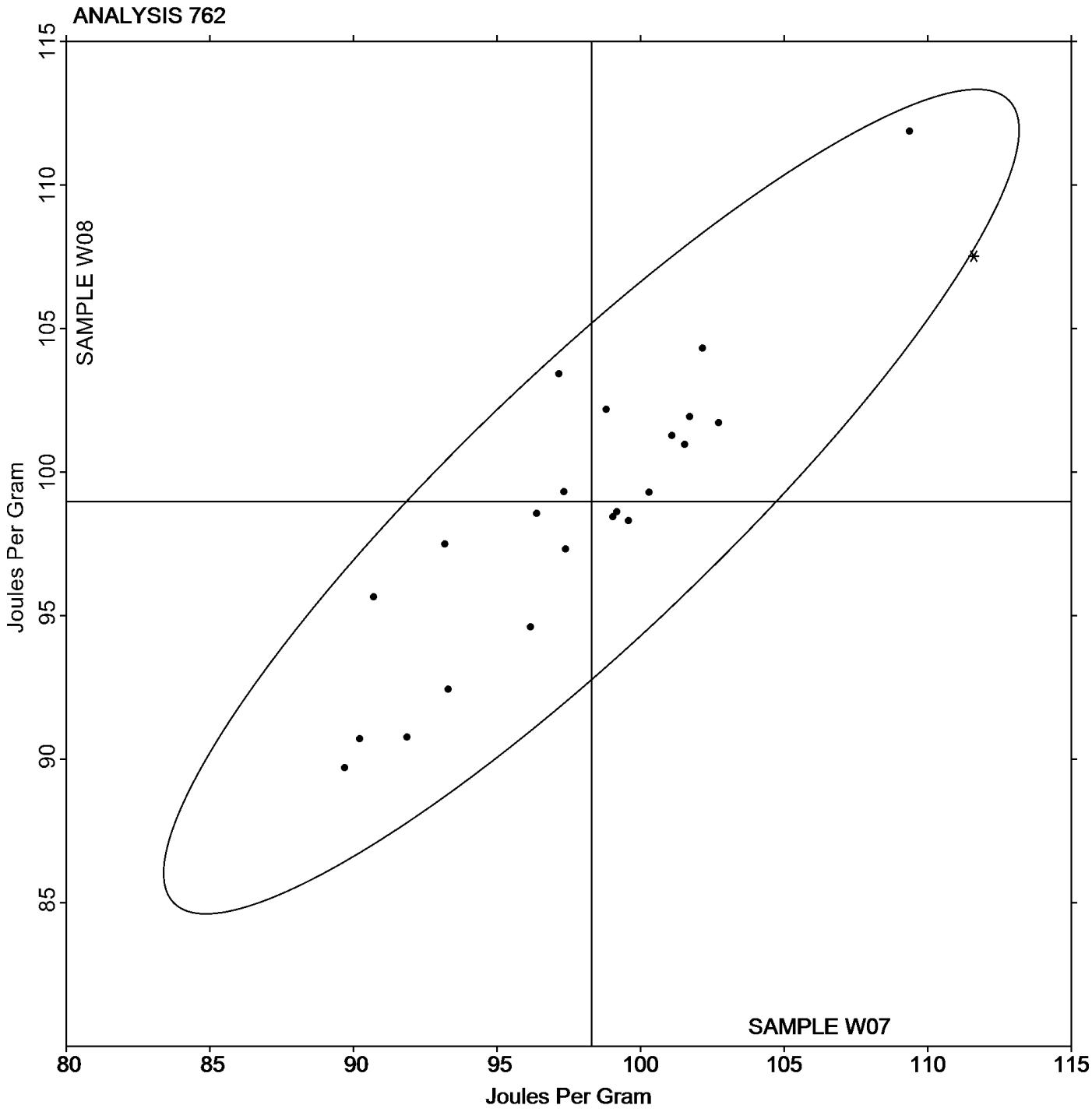
Comments on Assigned Data Flags for Test #762

UK2MWG (X) - Extreme data.

Key to Instrument Codes Reported by Participants

MT	Mettler Toledo Instruments	NZ	Netzsch Instruments
PE	Perkins Elmer Instruments	TA	TA Instruments
XX	Instrument manufacturer not specified by lab		

Grand Mean Sample W07: 98.285 Joules Per Gram Grand Mean Sample W08: 98.972 Joules Per Gram



WebCode	Data Flag	Sample W07 Lab Mean	Sample W07 Diff from Grand Mean	Sample W07 CPV	Sample W08 Lab Mean	Sample W08 Diff from Grand Mean	Sample W08 CPV	Instr Code
394CAU		99.14	4.95	0.65	103.02	8.18	1.00	XX
3TRXQB		101.06	6.88	0.90	98.73	3.89	0.48	TA
46DPRQ		96.69	2.51	0.33	95.52	0.67	0.08	MT
77FCAM		107.49	13.30	1.75	106.50	11.66	1.42	XX
7RKRX7		100.24	6.06	0.80	104.81	9.97	1.22	TA
88BA7Z		88.76	-5.42	-0.71	87.51	-7.33	-0.90	TA
98QTQX		88.70	-5.48	-0.72	86.74	-8.10	-0.99	NZ
9X3ZE2		97.65	3.46	0.46	96.76	1.92	0.23	TA
CG36PZ		101.40	7.22	0.95	106.43	11.59	1.42	TA
DX2QCJ		104.94	10.76	1.41	105.22	10.38	1.27	TA
E2JF6U		80.16	-14.02	-1.84	81.07	-13.77	-1.68	TA
FXFYBX		90.93	-3.25	-0.43	101.74	6.89	0.84	NZ
FYPRKD		84.24	-9.95	-1.31	92.02	-2.83	-0.35	NZ
G9GM6F		88.26	-5.93	-0.78	88.11	-6.73	-0.82	TA
L3NCVQ		100.87	6.68	0.88	101.67	6.82	0.83	MT
LTLWAR		102.65	8.47	1.11	98.85	4.01	0.49	TA
QXJ9RK		97.25	3.06	0.40	96.97	2.12	0.26	TA
TALCAK		85.43	-8.75	-1.15	87.73	-7.12	-0.87	TA
UHXPU2		91.17	-3.01	-0.40	91.16	-3.68	-0.45	TA
UYKB7E		89.30	-4.88	-0.64	89.03	-5.81	-0.71	TA
XBJBBF		84.22	-9.96	-1.31	81.33	-13.51	-1.65	TA
Z9Q44N		91.51	-2.67	-0.35	85.63	-9.22	-1.13	PE

Summary Statistics

	Sample W07	Sample W08
Grand Means	94.185 Joules Per Gram	94.843 Joules Per Gram
Stnd Dev Btwn Labs	7.603 Joules Per Gram	8.182 Joules Per Gram

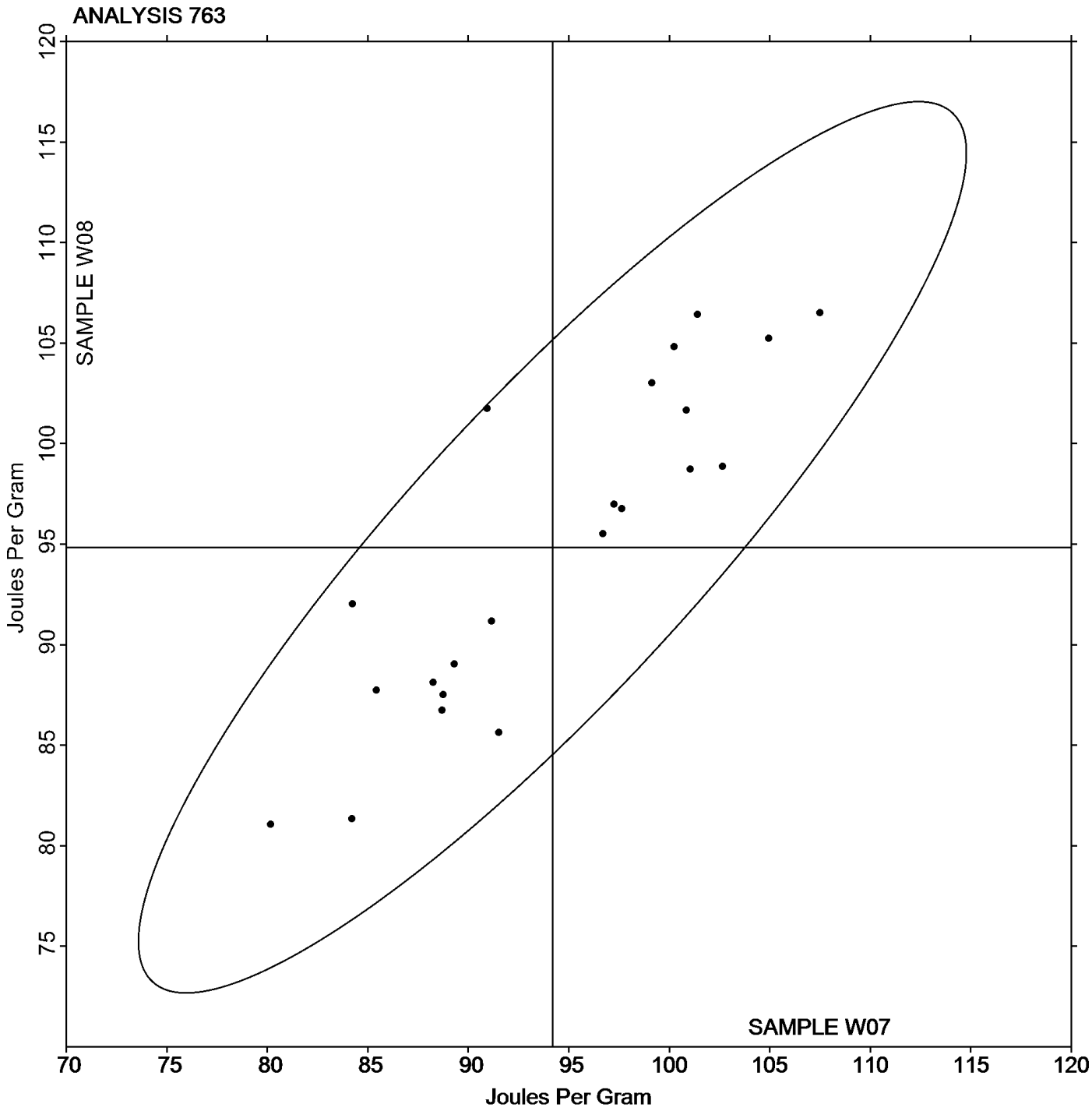
Statistics based on 22 of 22 reporting participants

Sample W07: PP & Sample W08: PP

Key to Instrument Codes Reported by Participants

- MT Mettler Toledo Instruments
- NZ Netzsch Instruments
- PE Perkins Elmer Instruments
- TA TA Instruments
- XX Instrument manufacturer not specified by lab

Grand Mean Sample W07: 94.185 Joules Per Gram Grand Mean Sample W08: 94.843 Joules Per Gram



WebCode	Data Flag	Sample V07 Lab Mean	Sample V07 Diff from Grand Mean	Sample V07 CPV	Sample V08 Lab Mean	Sample V08 Diff from Grand Mean	Sample V08 CPV	Instr Code
394CAU		109.40	1.39	0.59	108.63	0.54	0.21	XX
3TRXQB		109.70	1.69	0.71	109.97	1.87	0.74	TA
46DPRQ		107.40	-0.61	-0.25	107.90	-0.20	-0.08	MT
77FCAM		110.60	2.59	1.09	112.03	3.94	1.55	XX
7RKRX7		111.16	3.15	1.33	110.79	2.70	1.06	TA
88BA7Z		110.81	2.81	1.18	111.63	3.53	1.39	TA
98QTQX		110.97	2.96	1.25	110.87	2.77	1.09	NZ
9X3ZE2		110.15	2.14	0.90	109.97	1.88	0.74	TA
CG36PZ		105.41	-2.60	-1.09	106.16	-1.93	-0.76	TA
DF6B6Z		107.30	-0.71	-0.30	108.66	0.56	0.22	XX
DFLHBH		108.16	0.15	0.07	107.70	-0.39	-0.16	TA
DX2QCJ		105.19	-2.82	-1.18	105.83	-2.27	-0.89	TA
E2JF6U	*	104.18	-3.82	-1.61	102.66	-5.43	-2.14	TA
FX2BCQ		106.32	-1.69	-0.71	106.88	-1.22	-0.48	TA
FXFYBX		106.60	-1.41	-0.59	106.37	-1.73	-0.68	NZ
FYPRKD		110.27	2.26	0.95	110.07	1.97	0.78	NZ
G9GM6F		104.54	-3.47	-1.46	104.40	-3.69	-1.46	TA
L3NCVQ		109.50	1.49	0.63	109.17	1.07	0.42	MT
LTLWAR		102.68	-5.33	-2.24	102.84	-5.25	-2.07	TA
PBC4VF		108.87	0.86	0.36	108.40	0.30	0.12	TA
QXJ9RK		107.00	-1.01	-0.42	107.00	-1.10	-0.43	TA
TALCAK		109.10	1.09	0.46	109.90	1.80	0.71	TA
UHXPU2		106.97	-1.03	-0.43	106.27	-1.83	-0.72	TA
UK2MWG	X	136.70	28.69	12.07	183.87	75.77	29.88	TA
UYKB7E		107.27	-0.74	-0.31	107.03	-1.06	-0.42	TA
XBJBBF		111.30	3.29	1.39	111.54	3.44	1.36	TA
Z9Q44N		107.31	-0.70	-0.29	107.83	-0.27	-0.11	PE

Summary Statistics

	Sample V07	Sample V08
Grand Means	108.005 Degrees Celsius	108.097 Degrees Celsius
Stnd Dev Btwn Labs	2.378 Degrees Celsius	2.536 Degrees Celsius

Statistics based on 26 of 27 reporting participants

Sample V07: ABS & Sample V08: ABS

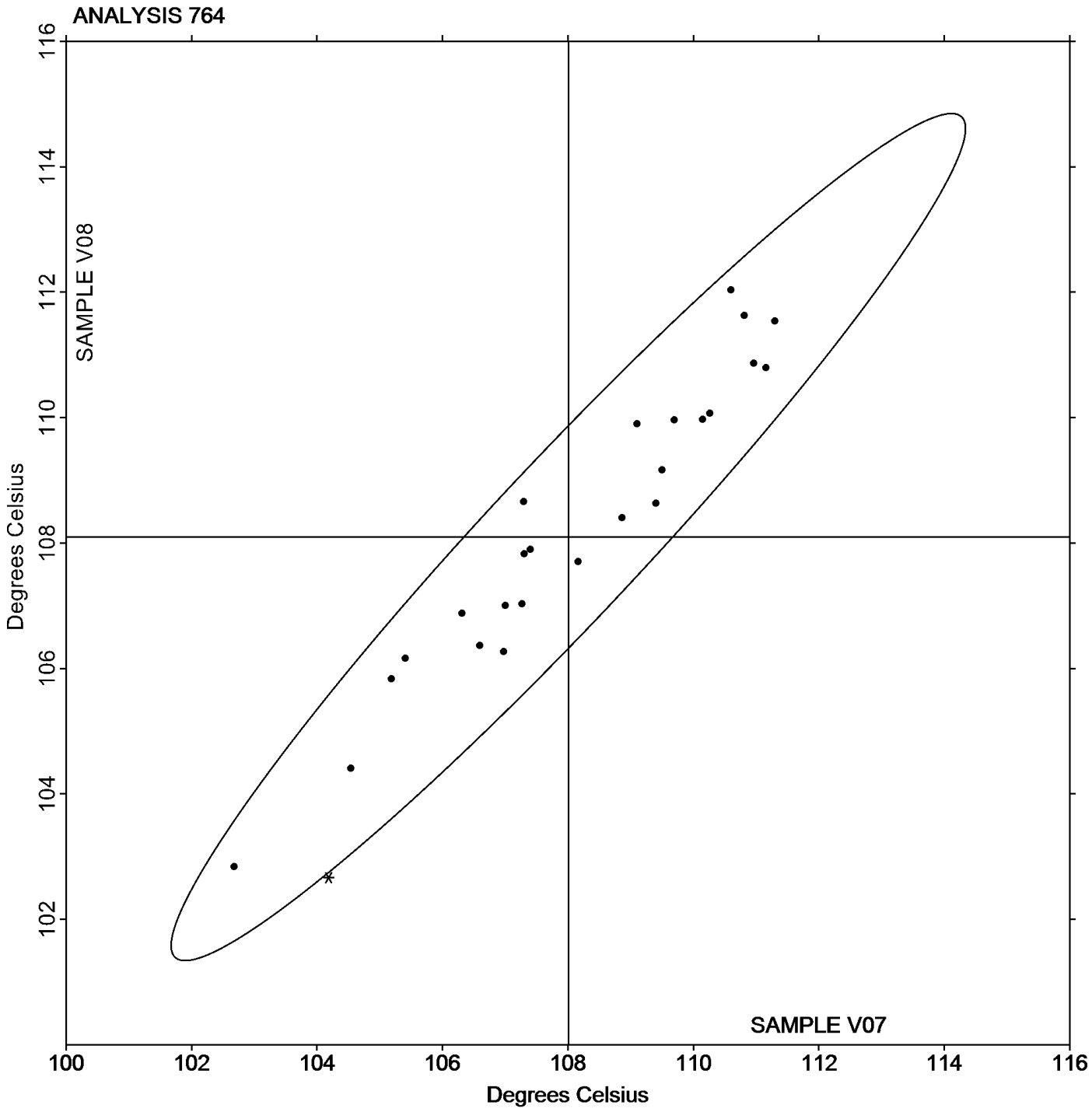
Comments on Assigned Data Flags for Test #764

UK2MWG (X) - Extreme data for sample V08.

Key to Instrument Codes Reported by Participants

MT	Mettler Toledo Instruments	NZ	Netzsch Instruments
PE	Perkins Elmer Instruments	TA	TA Instruments
XX	Instrument manufacturer not specified by lab		

Grand Mean Sample V07: 108.01 Degrees Celsius Grand Mean Sample V08: 108.10 Degrees Celsius



WebCode	Data Flag	Sample W07 Lab Mean	Sample W07 Diff from Grand Mean	Sample W07 CPV	Sample W08 Lab Mean	Sample W08 Diff from Grand Mean	Sample W08 CPV	Instr Code
9X3ZE2		107.33	-0.70	-0.14	107.15	-0.96	-0.18	TA
CG36PZ		104.44	-3.59	-0.73	104.66	-3.45	-0.64	TA
E2JF6U		105.07	-2.96	-0.60	104.25	-3.86	-0.71	TA
G9GM6F		105.11	-2.92	-0.59	104.90	-3.21	-0.59	TA
HLV8ZT		109.23	1.20	0.24	108.73	0.62	0.12	XX
RLJTLG		105.90	-2.13	-0.43	105.53	-2.58	-0.48	TA
TALCAK		104.57	-3.46	-0.70	105.30	-2.81	-0.52	TA
UK2MWG		119.85	11.82	2.39	121.16	13.05	2.42	XX
UYKB7E		110.77	2.74	0.55	111.30	3.19	0.59	TA

Summary Statistics

	Sample W07	Sample W08
Grand Means	108.030 Degrees Celsius	108.110 Degrees Celsius
Stnd Dev Btwn Labs	4.948 Degrees Celsius	5.402 Degrees Celsius

Statistics based on 9 of 9 reporting participants

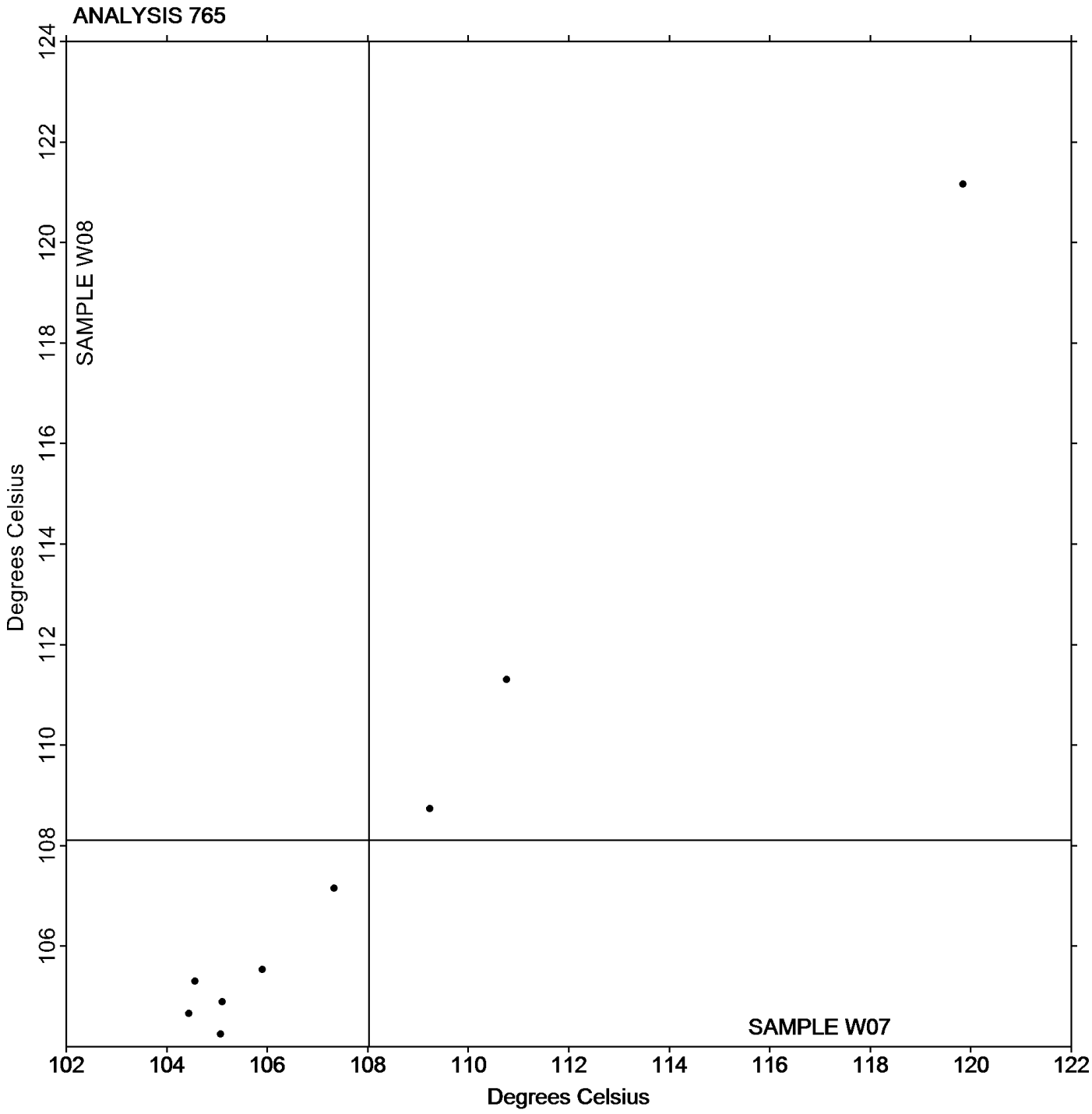
Sample W07: PP & Sample W08: PP

Key to Instrument Codes Reported by Participants

TA TA Instruments

XX Instrument manufacturer not specified by lab

Grand Mean Sample W07: 108.03 Degrees Celsius Grand Mean Sample W08: 108.11 Degrees Celsius



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

WebCode	Data Flag	Sample W07 Lab Mean	Sample W07 Diff from Grand Mean	Sample W07 CPV	Sample W08 Lab Mean	Sample W08 Diff from Grand Mean	Sample W08 CPV	Instr Code
9X3ZE2		163.48	-1.60	-0.92	163.95	-1.22	-0.69	TA
CG36PZ		163.84	-1.23	-0.71	164.18	-0.99	-0.56	TA
E2JF6U		163.33	-1.74	-1.00	163.81	-1.36	-0.77	TA
G9GM6F		166.95	1.87	1.08	167.19	2.03	1.14	TA
HLV8ZT		167.47	2.39	1.38	168.50	3.33	1.88	XX
RLJTLG		164.43	-0.64	-0.37	164.60	-0.57	-0.32	TA
TALCAK		165.60	0.52	0.30	164.30	-0.87	-0.49	XX
UK2MWG		166.17	1.09	0.63	166.10	0.93	0.53	XX
UVXNFD		162.66	-2.42	-1.39	162.77	-2.39	-1.35	TA
UYKB7E		166.83	1.76	1.01	166.27	1.10	0.62	TA

Summary Statistics

	Sample W07	Sample W08
Grand Means	165.076 Degrees Celsius	165.166 Degrees Celsius
Stnd Dev Btwn Labs	1.736 Degrees Celsius	1.777 Degrees Celsius

Statistics based on 10 of 10 reporting participants

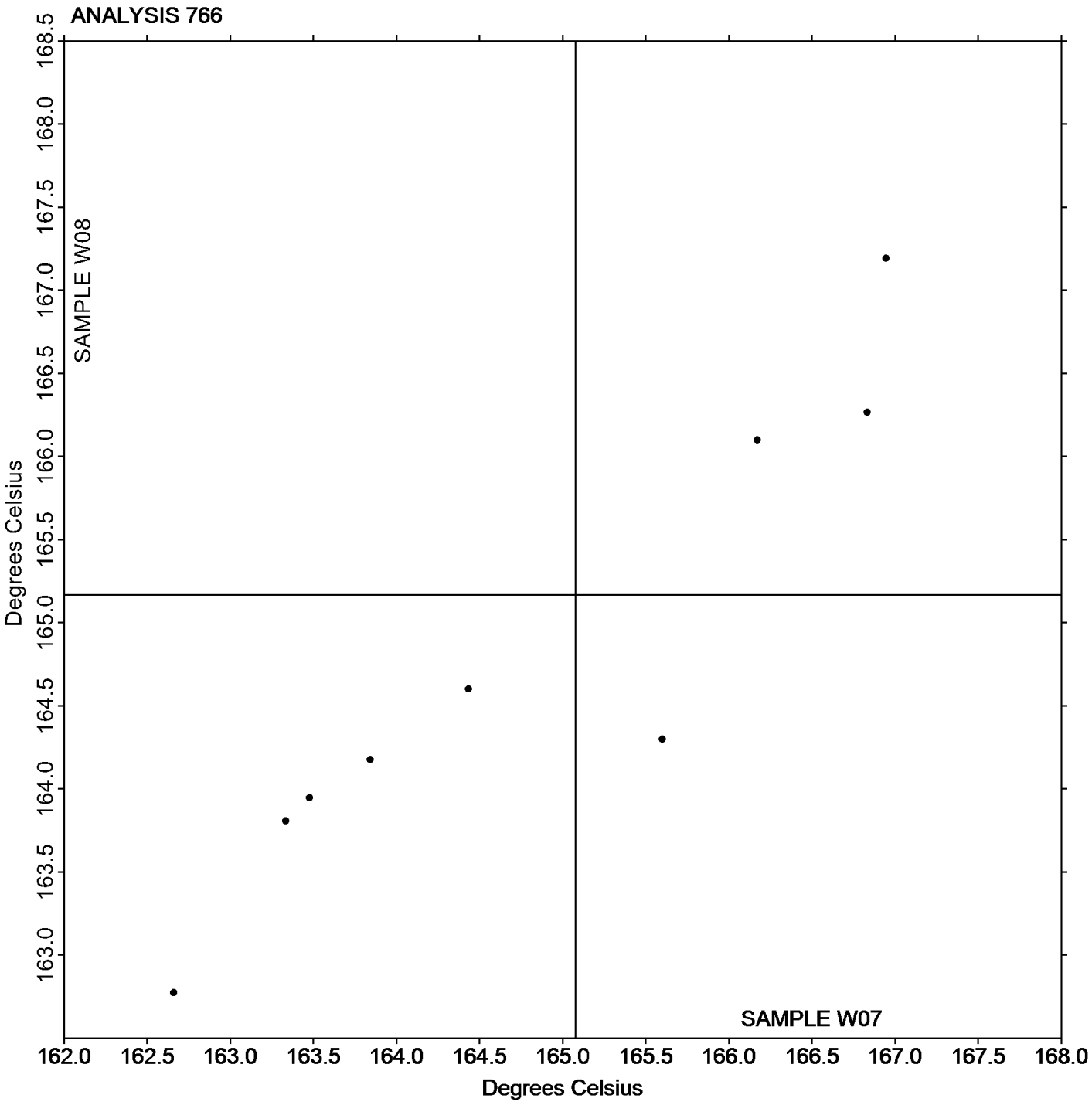
Sample W07: PP & Sample W08: PP

Key to Instrument Codes Reported by Participants

TA TA Instruments

XX Instrument manufacturer not specified by lab

Grand Mean Sample W07: 165.08 Degrees Celsius Grand Mean Sample W08: 165.17 Degrees Celsius



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

WebCode	Data Flag	Sample W07 Lab Mean	Sample W07 Diff from Grand Mean	Sample W07 CPV	Sample W08 Lab Mean	Sample W08 Diff from Grand Mean	Sample W08 CPV	Instr Code
9X3ZE2		102.73	7.40	1.52	101.72	5.66	1.11	TA
CG36PZ		98.81	3.48	0.72	102.18	6.12	1.20	TA
E2JF6U		90.22	-5.11	-1.05	90.71	-5.34	-1.05	TA
G9GM6F		89.70	-5.62	-1.16	89.70	-6.35	-1.25	TA
RLJTLG		98.63	3.30	0.68	97.98	1.93	0.38	TA
TALCAK		94.08	-1.25	-0.26	97.49	1.44	0.28	XX
UK2MWG	X	208.45	113.12	23.26	318.68	222.63	43.63	XX
UYKB7E		93.13	-2.20	-0.45	92.60	-3.45	-0.68	TA

Summary Statistics

	Sample W07	Sample W08
Grand Means	95.329 Joules Per Gram	96.054 Joules Per Gram
Stnd Dev Btwn Labs	4.863 Joules Per Gram	5.102 Joules Per Gram

Statistics based on 7 of 8 reporting participants

Sample W07: PP & Sample W08: PP

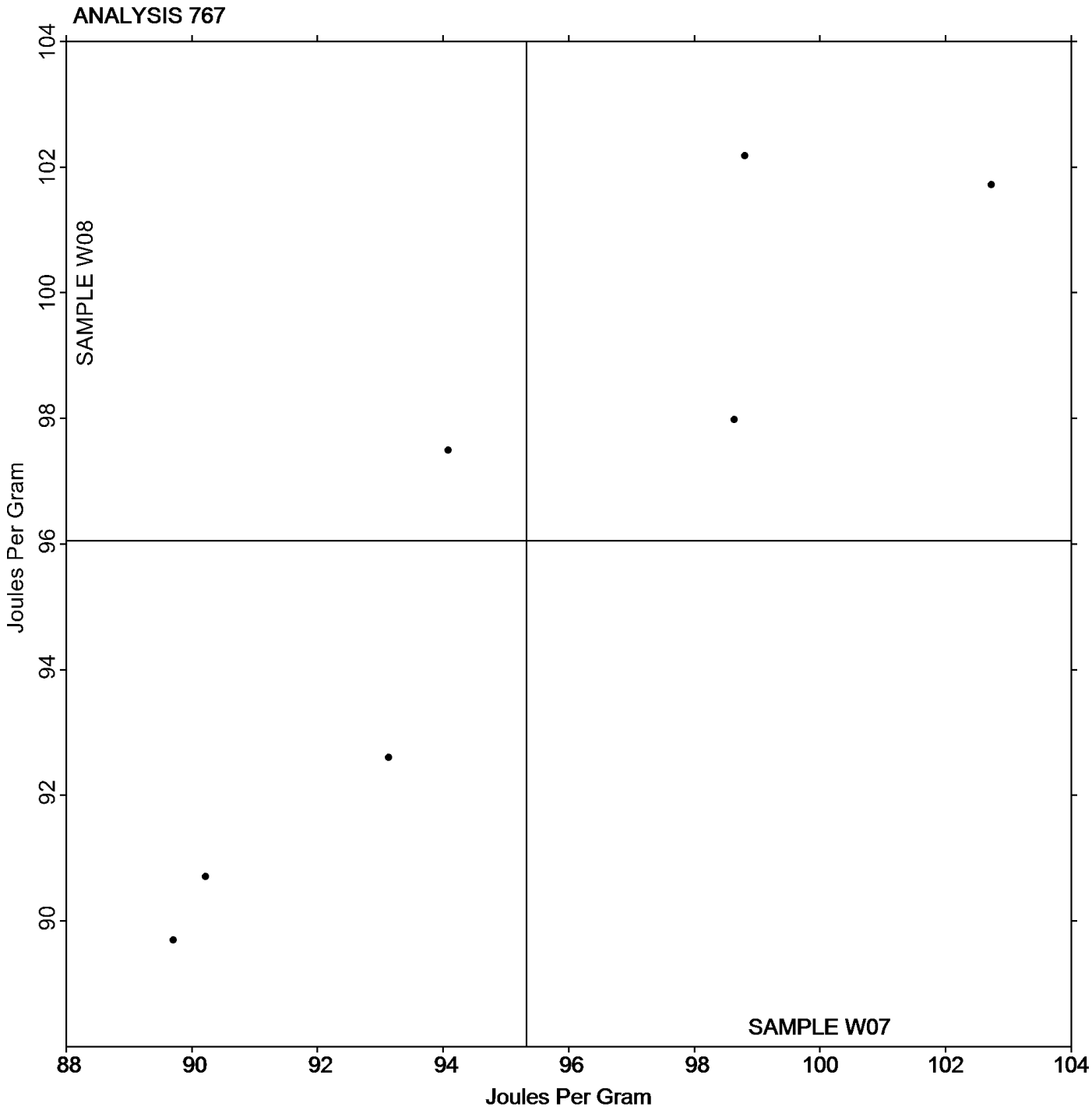
Comments on Assigned Data Flags for Test #767

UK2MWG (X) - Extreme data.

Key to Instrument Codes Reported by Participants

TA	TA Instruments	XX	Instrument manufacturer not specified by lab

Grand Mean Sample W07: 95.329 Joules Per Gram Grand Mean Sample W08: 96.054 Joules Per Gram



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

WebCode	Data Flag	Sample W07 Lab Mean	Sample W07 Diff from Grand Mean	Sample W07 CPV	Sample W08 Lab Mean	Sample W08 Diff from Grand Mean	Sample W08 CPV	Instr Code
9X3ZE2		97.65	5.20	0.63	96.76	3.76	0.43	TA
CG36PZ		101.40	8.95	1.08	106.43	13.43	1.53	TA
E2JF6U		80.16	-12.29	-1.49	81.07	-11.93	-1.36	TA
G9GM6F		88.26	-4.19	-0.51	88.11	-4.89	-0.56	TA
RLJTLG		102.37	9.92	1.20	101.10	8.10	0.92	TA
TALCAK		86.90	-5.55	-0.67	87.73	-5.27	-0.60	TA
UYKB7E		90.40	-2.05	-0.25	89.80	-3.20	-0.36	TA

Summary Statistics

	Sample W07	Sample W08
Grand Means	92.449 Joules Per Gram	93.001 Joules Per Gram
Stnd Dev Btwn Labs	8.256 Joules Per Gram	8.798 Joules Per Gram

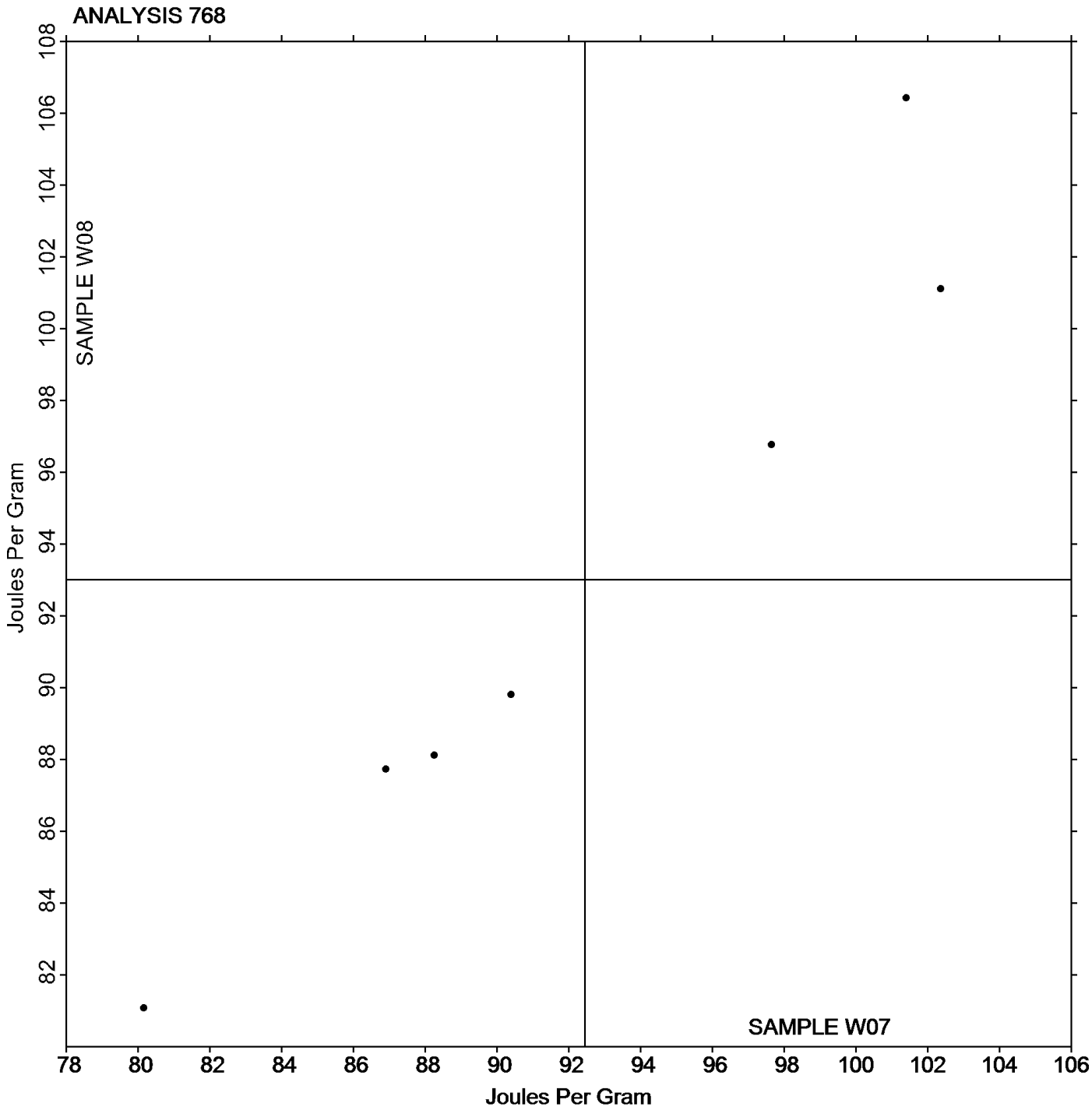
Statistics based on 7 of 7 reporting participants

Sample W07: PP & Sample W08: PP

Key to Instrument Codes Reported by Participants

TA TA Instruments

Grand Mean Sample W07: 92.449 Joules Per Gram Grand Mean Sample W08: 93.001 Joules Per Gram



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

WebCode	Data Flag	Sample V07 Lab Mean	Sample V07 Diff from Grand Mean	Sample V07 CPV	Sample V08 Lab Mean	Sample V08 Diff from Grand Mean	Sample V08 CPV	Instr Code
46DPRQ		107.50	0.61	0.28	107.97	1.18	0.46	MT
9X3ZE2		110.15	3.25	1.51	109.97	3.18	1.25	TA
CG36PZ		105.41	-1.48	-0.69	106.16	-0.63	-0.25	TA
E2JF6U		104.18	-2.71	-1.26	102.66	-4.13	-1.63	TA
G9GM6F		104.54	-2.36	-1.09	104.40	-2.39	-0.94	TA
PBC4VF		108.87	1.97	0.92	108.40	1.61	0.63	TA
RLJTLG		105.53	-1.36	-0.63	104.73	-2.06	-0.81	TA
TALCAK		109.20	2.31	1.07	109.97	3.18	1.25	XX
UK2MWG	X	136.70	29.81	13.83	183.87	77.08	30.36	XX
UYKB7E		106.67	-0.23	-0.11	106.83	0.04	0.02	TA

Summary Statistics

	Sample V07	Sample V08
Grand Means	106.894 Degrees Celsius	106.789 Degrees Celsius
Stnd Dev Btwn Labs	2.155 Degrees Celsius	2.538 Degrees Celsius

Statistics based on 9 of 10 reporting participants

Sample V07: ABS & Sample V08: ABS

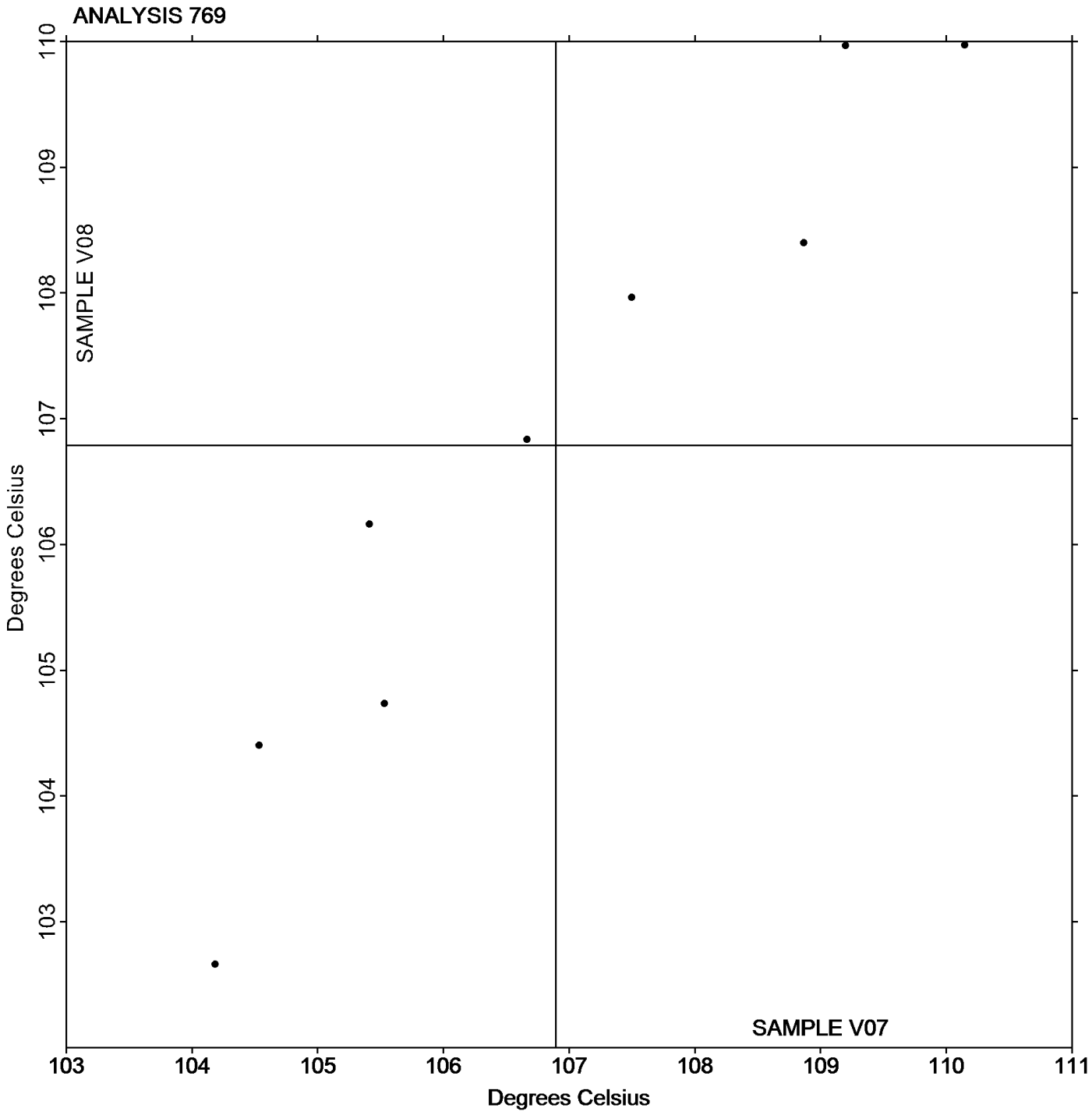
Comments on Assigned Data Flags for Test #769

UK2MWG (X) - Extreme data for sample V08.

Key to Instrument Codes Reported by Participants

MT Mettler Toledo Instruments
TA TA Instruments
XX Instrument manufacturer not specified by lab

Grand Mean Sample V07: 106.89 Degrees Celsius Grand Mean Sample V08: 106.79 Degrees Celsius



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

WebCode	Data Flag	Sample B07 Lab Mean	Sample B07 Diff from Grand Mean	Sample B07 CPV	Sample B08 Lab Mean	Sample B08 Diff from Grand Mean	Sample B08 CPV	Instr Code
394CAU		1,793	-147	-1.74	2,428	226	1.94	IN
8DJF27		1,927	-14	-0.16	2,202	0	0.00	IM
8NZ39M		2,044	104	1.22	2,362	160	1.37	IN
9ZQAQN		1,924	-17	-0.20	2,135	-66	-0.57	TH
MCCJU8		2,034	93	1.10	2,158	-43	-0.37	IN
NDJ4FM		1,950	9	0.10	2,263	61	0.53	IN
QQKGNX		1,926	-15	-0.18	2,157	-44	-0.38	IN
RLJTLG	X	66	-1,875	-22.14	78	-2,124	-18.19	IN
UUNLRT		2,052	111	1.31	2,119	-82	-0.70	IN
V4A6MD		1,916	-25	-0.30	2,143	-58	-0.50	IN
YWEJ2U	X	1,957	16	0.19	4,306	2,105	18.03	MT
YY98LB		1,843	-98	-1.16	2,048	-153	-1.31	IN

Summary Statistics

	Sample B07	Sample B08
Grand Means	1,940.9 psi	2,201.3 psi
Stnd Dev Btwn Labs	84.7 psi	116.8 psi

Statistics based on 10 of 12 reporting participants

Sample B07: LDPE & Sample B08: LDPE

Comments on Assigned Data Flags for Test #770

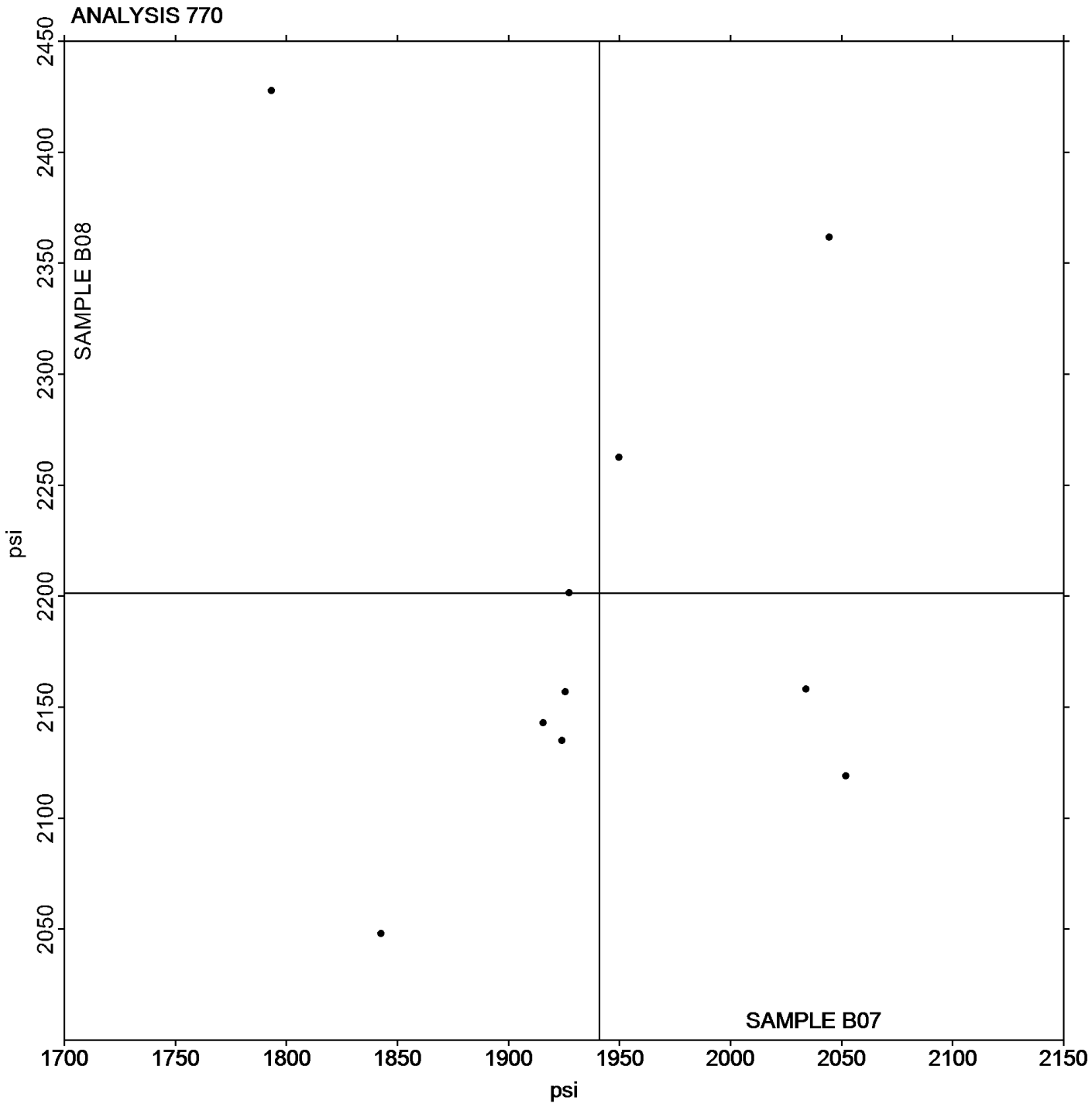
RLJTLG (X) - Extreme data.

YWEJ2U (X) - Extreme data for sample B08.

Key to Instrument Codes Reported by Participants

IM Instru-Met Instruments
IN Instron
MT MTS/Sintech
TH Thwing Albert

Grand Mean Sample B07: 1,940.88 psi Grand Mean Sample B08: 2,201.31 psi



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

WebCode	Data Flag	Sample B07 Lab Mean	Sample B07 Diff from Grand Mean	Sample B07 CPV	Sample B08 Lab Mean	Sample B08 Diff from Grand Mean	Sample B08 CPV	Instr Code
394CAU	*	1,865	-1,699	-3.04	2,500	-1,434	-1.89	IN
3MK8M6		3,053	-511	-0.91	3,458	-476	-0.63	TO
8DJF27		3,828	265	0.47	4,437	503	0.66	IM
8NZ39M		4,344	780	1.39	4,903	969	1.28	IN
9ZQAQN		3,740	176	0.32	4,260	326	0.43	TH
HEZADP		3,375	-189	-0.34	3,796	-138	-0.18	UC
MCCJU8	*	3,821	257	0.46	2,095	-1,839	-2.43	IN
NDJ4FM		3,341	-223	-0.40	3,954	20	0.03	IN
PPWLQ6		3,579	15	0.03	4,092	158	0.21	IN
QQKGNX		3,731	167	0.30	4,172	238	0.31	IN
RLJTLG		3,807	243	0.43	4,109	175	0.23	IN
UUNLRT		3,635	71	0.13	3,882	-52	-0.07	IN
V4A6MD		4,085	521	0.93	4,639	705	0.93	IN
YWEJ2U		3,637	73	0.13	4,537	603	0.80	MT
YY98LB		3,617	54	0.10	4,175	241	0.32	IN

Summary Statistics

	Sample B07	Sample B08
Grand Means	3,563.8 psi	3,934.1 psi
Stnd Dev Btwn Labs	559.4 psi	756.7 psi

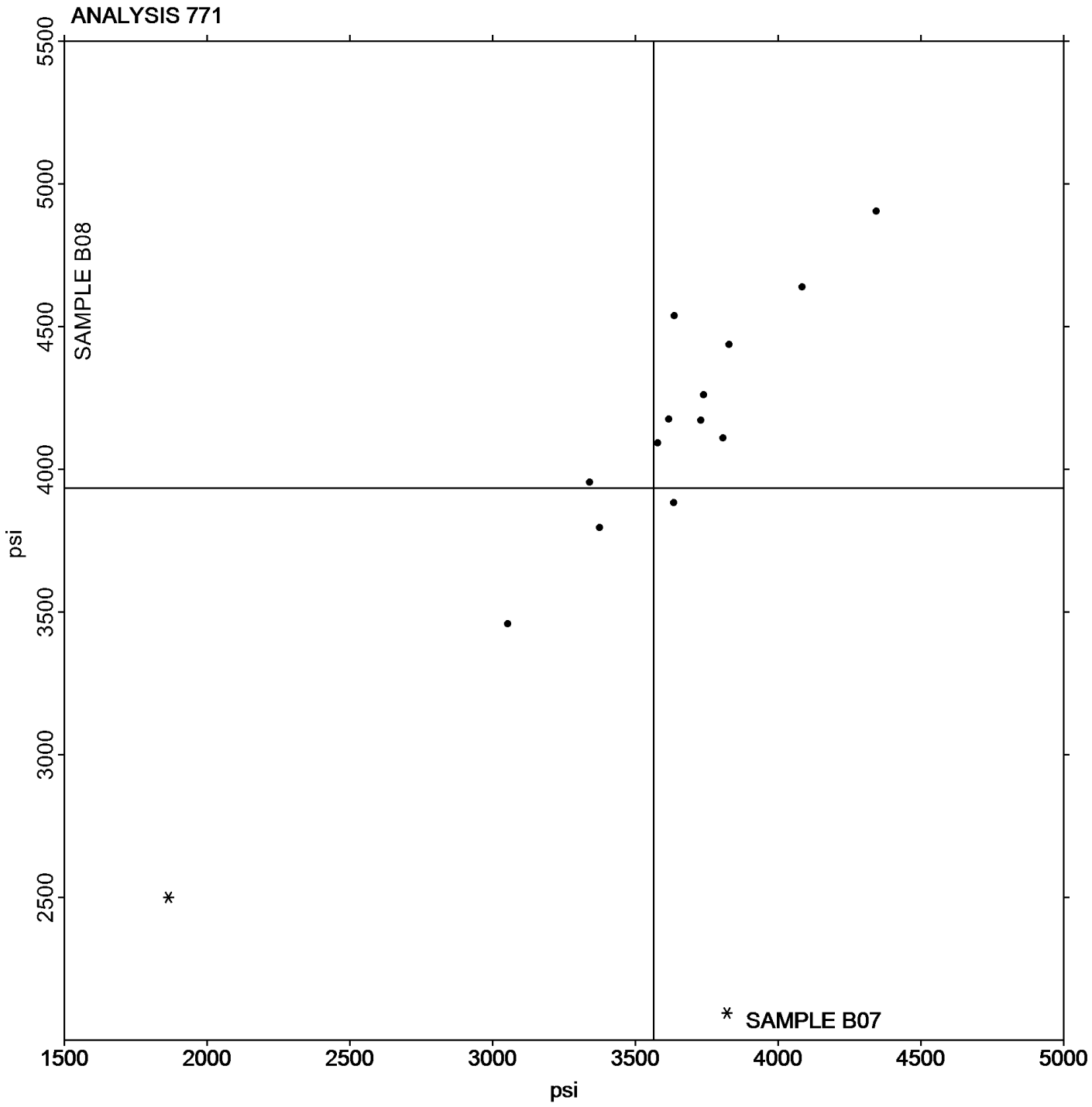
Statistics based on 15 of 15 reporting participants

Sample B07: LDPE & Sample B08: LDPE

Key to Instrument Codes Reported by Participants

IM	Instru-Met Instruments	IN	Instron
MT	MTS/Sintech	TH	Thwing Albert
TO	Tinius Olsen	UC	United

Grand Mean Sample B07: 3,563.78 psi Grand Mean Sample B08: 3,934.14 psi



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

WebCode	Data Flag	Sample B07 Lab Mean	Sample B07 Diff from Grand Mean	Sample B07 CPV	Sample B08 Lab Mean	Sample B08 Diff from Grand Mean	Sample B08 CPV	Instr Code
394CAU		85.10	5.19	0.53	201.70	88.69	2.60	IN
8DJF27		87.38	7.47	0.77	114.10	1.09	0.03	IM
8NZ39M		79.77	-0.14	-0.01	91.70	-21.31	-0.62	IN
9ZQAQN		79.82	-0.09	-0.01	99.02	-13.99	-0.41	OA
MCCJU8		62.32	-17.58	-1.81	139.57	26.55	0.78	IN
NDJ4FM		71.52	-8.38	-0.86	83.20	-29.81	-0.87	IN
QQKGNX		86.87	6.96	0.72	110.05	-2.96	-0.09	IN
RLJTLG		66.19	-13.72	-1.41	77.46	-35.55	-1.04	IN
UUNLRT		84.00	4.09	0.42	101.50	-11.51	-0.34	IN
V4A6MD		80.96	1.05	0.11	104.19	-8.82	-0.26	IN
YWEJ2U	X	88.92	9.01	0.93	1,013.83	900.82	26.39	MT
YY98LB		95.04	15.13	1.56	120.66	7.65	0.22	IN

Summary Statistics

	Sample B07	Sample B08
Grand Means	79.906 Percent	113.013 Percent
Stnd Dev Btwn Labs	9.726 Percent	34.135 Percent

Statistics based on 11 of 12 reporting participants

Sample B07: LDPE & Sample B08: LDPE

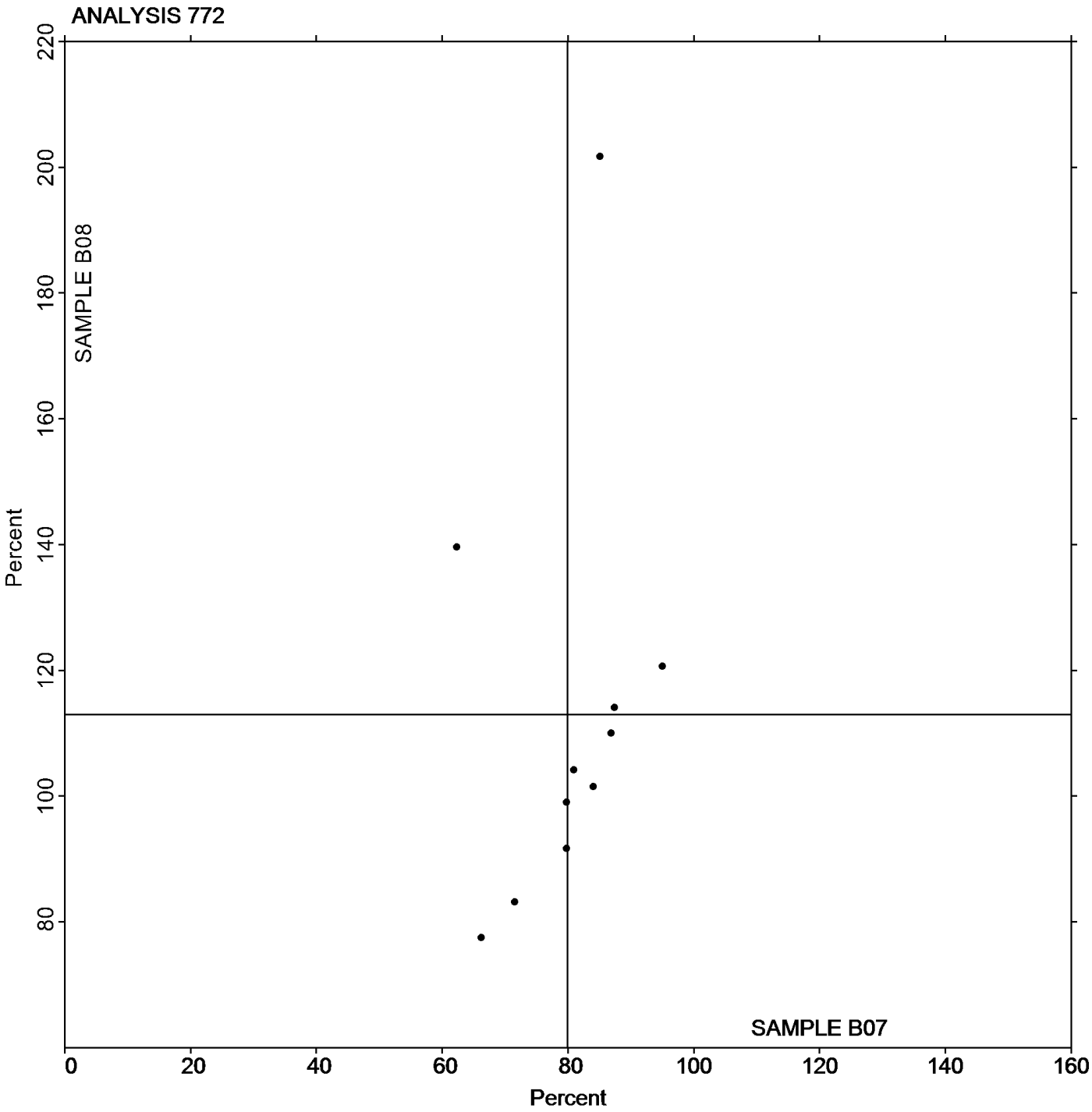
Comments on Assigned Data Flags for Test #772

YWEJ2U (X) - Extreme data for sample B08.

Key to Instrument Codes Reported by Participants

IM	Instru-Met Instruments	IN	Instron
MT	MTS/Sintech	OA	Oakland Testing

Grand Mean Sample B07: 79.906 Percent Grand Mean Sample B08: 113.01 Percent



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

WebCode	Data Flag	Sample B07 Lab Mean	Sample B07 Diff from Grand Mean	Sample B07 CPV	Sample B08 Lab Mean	Sample B08 Diff from Grand Mean	Sample B08 CPV	Instr Code
394CAU		263.5	-464.3	-2.45	281.3	-461.0	-1.99	IN
3MK8M6		589.1	-138.7	-0.73	658.1	-84.2	-0.36	TO
8DJF27		869.2	141.4	0.75	905.4	163.1	0.70	IM
8NZ39M		750.9	23.1	0.12	756.2	13.9	0.06	IN
9ZQAQN		735.3	7.5	0.04	790.7	48.4	0.21	TH
HEZADP		900.5	172.7	0.91	893.5	151.2	0.65	UC
MCCJU8	*	570.4	-157.4	-0.83	316.7	-425.6	-1.84	IN
NDJ4FM		558.9	-168.9	-0.89	552.9	-189.4	-0.82	IN
PPWLQ6		927.1	199.3	1.05	965.9	223.6	0.97	IN
RLJTLG		625.5	-102.3	-0.54	625.1	-117.2	-0.51	IN
UUNLRT		741.9	14.1	0.07	770.0	27.7	0.12	IN
V4A6MD		904.0	176.2	0.93	923.1	180.8	0.78	IN
YWEJ2U		845.3	117.5	0.62	1,009.9	267.6	1.16	MT
YY98LB		907.8	180.0	0.95	943.3	201.0	0.87	IN

Summary Statistics

	Sample B07	Sample B08
Grand Means	727.81 Percent	742.30 Percent
Stnd Dev Btwn Labs	189.37 Percent	231.69 Percent

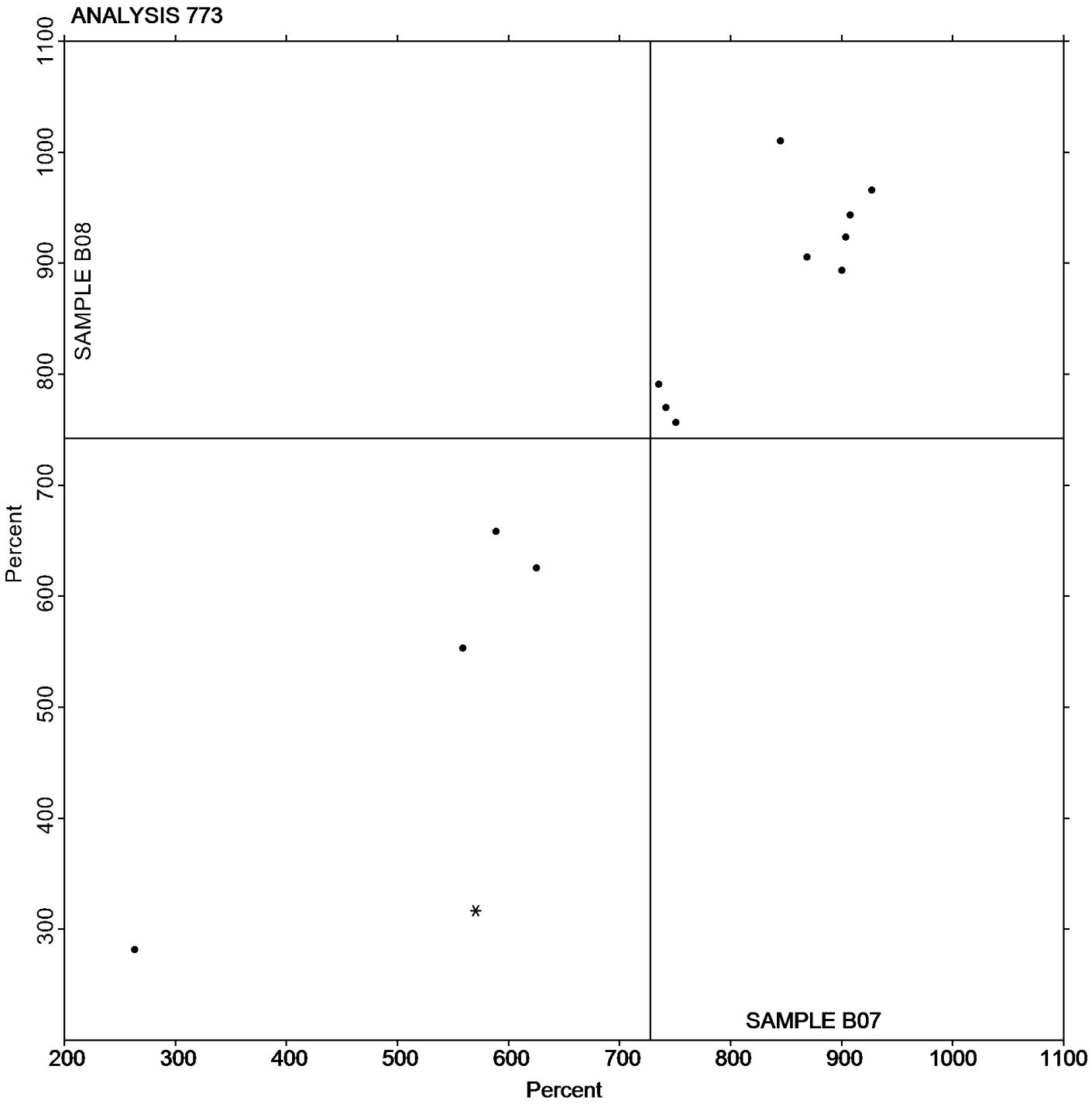
Statistics based on 14 of 14 reporting participants

Sample B07: LDPE & Sample B08: LDPE

Key to Instrument Codes Reported by Participants

IM	Instru-Met Instruments	IN	Instron
MT	MTS/Sintech	TH	Thwing Albert
TO	Tinius Olsen	UC	United

Grand Mean Sample B07: 727.81 Percent Grand Mean Sample B08: 742.30 Percent



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

WebCode	Data Flag	Sample B07 Lab Mean	Sample B07 Diff from Grand Mean	Sample B07 CPV	Sample B08 Lab Mean	Sample B08 Diff from Grand Mean	Sample B08 CPV
394CAU	*	4.0000	0.2706	2.15	3.5000	-0.3900	-2.42
3MK8M6		4.0000	0.2706	2.15	4.0000	0.1100	0.68
8DJF27		3.6400	-0.0894	-0.71	3.9100	0.0200	0.12
8NZ39M		3.6400	-0.0894	-0.71	3.6400	-0.2500	-1.55
92ZJEE		3.8730	0.1436	1.14	4.2060	0.3160	1.96
9ZQAQN		3.6480	-0.0814	-0.65	3.8410	-0.0490	-0.30
HEZADP		3.7500	0.0206	0.16	3.8400	-0.0500	-0.31
JAK2M6		3.7130	-0.0164	-0.13	4.0710	0.1810	1.12
MCCJU8		3.6290	-0.1004	-0.80	3.9380	0.0480	0.30
NDJ4FM		3.7127	-0.0167	-0.13	3.8544	-0.0356	-0.22
PPWLQ6		3.7284	-0.0009	-0.01	3.8544	-0.0356	-0.22
QQKGNX		3.7090	-0.0204	-0.16	3.9880	0.0980	0.61
RLJTLG		3.5460	-0.1834	-1.46	3.8930	0.0030	0.02
UUNLRT		3.6400	-0.0894	-0.71	3.7500	-0.1400	-0.87
V4A6MD		3.7300	0.0006	0.01	3.9900	0.1000	0.62
YWEJ2U		3.6510	-0.0784	-0.62	3.8770	-0.0130	-0.08
YY98LB		3.7890	0.0596	0.47	3.9780	0.0880	0.55

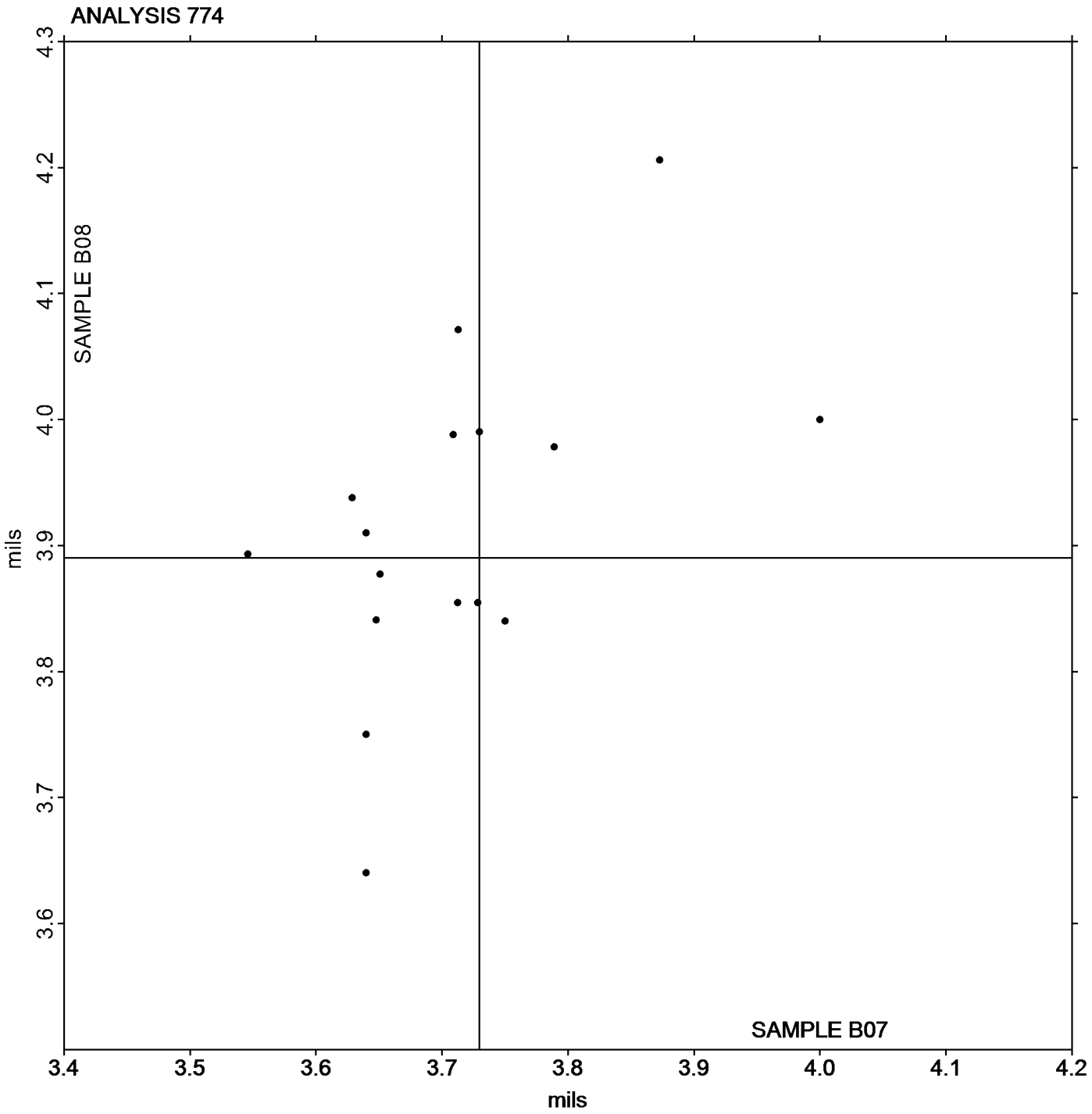
Summary Statistics

	Sample B07	Sample B08
Grand Means	3.72936 mils	3.89005 mils
Stnd Dev Btwn Labs	0.12562 mils	0.16136 mils

Statistics based on 17 of 17 reporting participants

Sample B07: LDPE & Sample B08: LDPE

Grand Mean Sample B07: 3.7294 mils Grand Mean Sample B08: 3.8900 mils



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

Plastics Interlaboratory Testing Program

Analysis 775

Secant Modulus at 1% Strain - psi

WebCode	Data Flag	Sample B07 Lab Mean	Sample B07 Diff from Grand Mean	Sample B07 CPV	Sample B08 Lab Mean	Sample B08 Diff from Grand Mean	Sample B08 CPV	Instr Code
8DJF27		35,407	2,705	0.76	39,179	4,895	1.12	IM
9ZQAQN		33,735	1,032	0.29	34,428	144	0.03	TH
MCCJU8		26,347	-6,356	-1.78	26,743	-7,541	-1.72	IN
PPWLQ6	X	59,630	26,927	7.55	55,839	21,555	4.91	IN
QQKGNX		30,561	-2,142	-0.60	33,160	-1,124	-0.26	IN
RLJTLG		37,430	4,727	1.33	39,810	5,526	1.26	IN
V4A6MD		33,252	549	0.15	34,062	-221	-0.05	IN
YY98LB		32,187	-516	-0.14	32,605	-1,679	-0.38	IN

Summary Statistics

	Sample B07	Sample B08
Grand Means	32,702.6 psi	34,283.9 psi
Stnd Dev Btwn Labs	3,565.5 psi	4,387.6 psi

Statistics based on 7 of 8 reporting participants

Sample B07: LDPE & Sample B08: LDPE

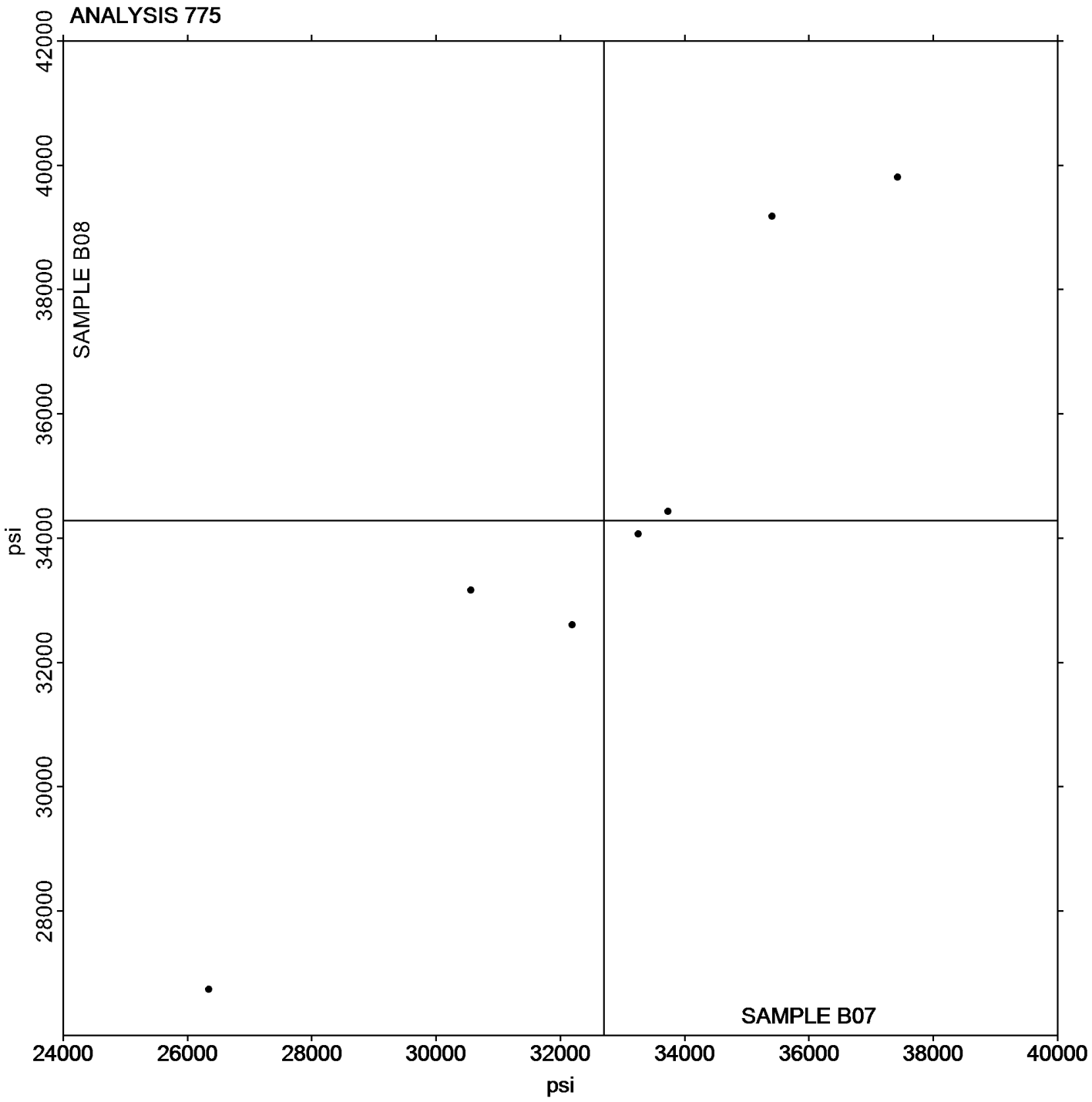
Comments on Assigned Data Flags for Test #775

PPWLQ6 (X) - Data for both samples are high and inconsistent within the determinations of both samples.

Key to Instrument Codes Reported by Participants

IM Instru-Met Instruments
IN Instron
TH Thwing Albert

Grand Mean Sample B07: 32,702.62 psi Grand Mean Sample B08: 34,283.88 psi



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

WebCode	Data Flag	Sample B07 Lab Mean	Sample B07 Diff from Grand Mean	Sample B07 CPV	Sample B08 Lab Mean	Sample B08 Diff from Grand Mean	Sample B08 CPV	Instr Code
8DJF27		30,504	-965	-0.14	32,420	691	0.11	IM
MCCJU8		24,255	-7,213	-1.08	25,011	-6,718	-1.07	IN
PPWLQ6		41,573	10,105	1.51	40,073	8,345	1.33	IN
QQKGNX		27,336	-4,132	-0.62	26,553	-5,175	-0.82	IN
RLJTLG		31,130	-338	-0.05	32,000	272	0.04	IN
V4A6MD		28,349	-3,119	-0.47	28,852	-2,877	-0.46	IN
YWEJ2U		41,864	10,396	1.56	41,941	10,213	1.62	MT
YY98LB		26,734	-4,734	-0.71	26,978	-4,751	-0.75	IN

Summary Statistics

	Sample B07	Sample B08
Grand Means	31,468.2 psi	31,728.3 psi
Stnd Dev Btwn Labs	6,681.1 psi	6,293.3 psi

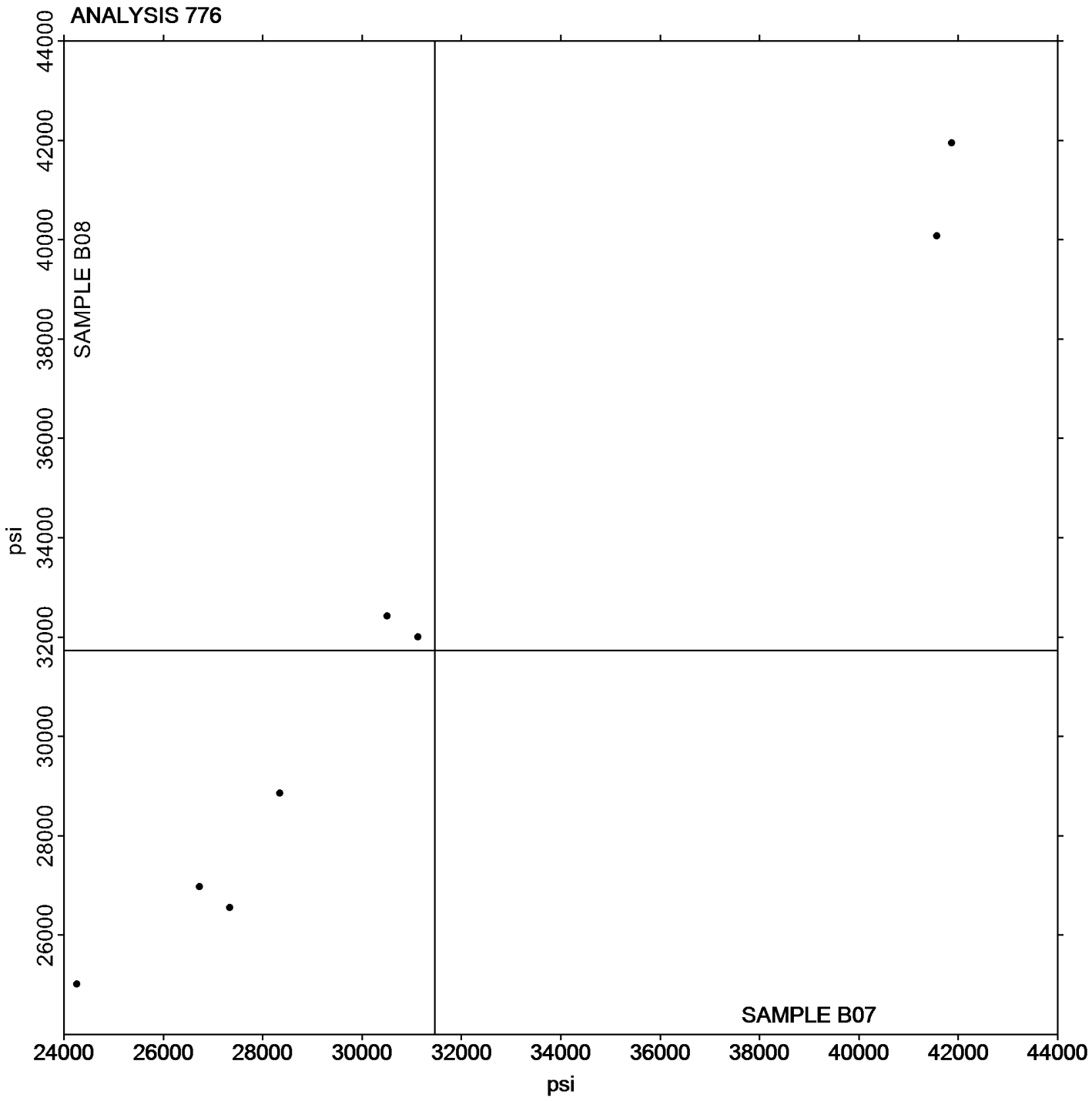
Statistics based on 8 of 8 reporting participants

Sample B07: LDPE & Sample B08: LDPE

Key to Instrument Codes Reported by Participants

IM Instru-Met Instruments
IN Instron
MT MTS/Sintech

Grand Mean Sample B07: 31,468.20 psi Grand Mean Sample B08: 31,728.29 psi



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

WebCode	Data Flag	Sample P07 Lab Mean	Sample P07 Diff from Grand Mean	Sample P07 CPV	Sample P08 Lab Mean	Sample P08 Diff from Grand Mean	Sample P08 CPV	Instr Code
394CAU		0.1936	-0.0075	-0.35	0.2276	0.0283	1.03	TH
8DJF27		0.2044	0.0033	0.15	0.1956	-0.0037	-0.13	TH
9ZQAQN		0.1654	-0.0357	-1.68	0.1738	-0.0255	-0.93	TH
JAWV6Q		0.1998	-0.0013	-0.06	0.1566	-0.0427	-1.55	TN
MCCJU8		0.2158	0.0147	0.69	0.2382	0.0389	1.41	MI
RLJTLG		0.2362	0.0351	1.65	0.2180	0.0187	0.68	TH
V4A6MD		0.1836	-0.0175	-0.82	0.1866	-0.0127	-0.46	TM
YWEJ2U		0.2100	0.0089	0.42	0.1980	-0.0013	-0.05	TH

Summary Statistics

	Sample P07	Sample P08
Grand Means	0.20110 COF	0.19930 COF
Stnd Dev Btwn Labs	0.02130 COF	0.02755 COF

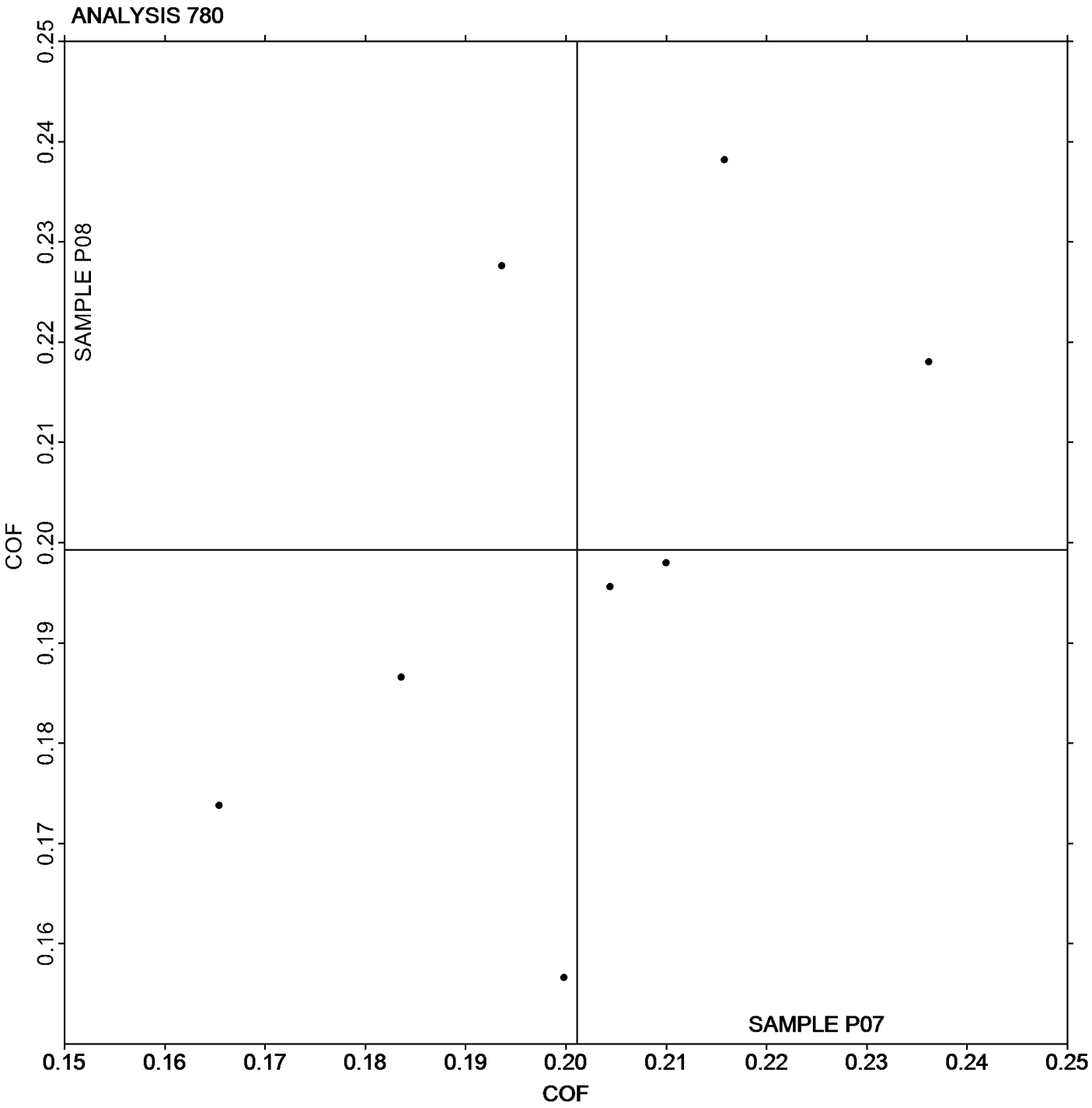
Statistics based on 8 of 8 reporting participants

Sample P07: LDPE & Sample P08: LDPE

Key to Instrument Codes Reported by Participants

MI MTS Insight
TH Thwing Albert Friction/Peel Tester Model 225-1
TM TMI Slip and Friction Tester
TN TMI #32-06

Grand Mean Sample P07: 0.20110 COF Grand Mean Sample P08: 0.19930 COF



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

WebCode	Data Flag	Sample P07 Lab Mean	Sample P07 Diff from Grand Mean	Sample P07 CPV	Sample P08 Lab Mean	Sample P08 Diff from Grand Mean	Sample P08 CPV	Instr Code
394CAU		0.1734	0.0104	0.49	0.1136	-0.0159	-0.86	TH
8DJF27		0.1572	-0.0058	-0.27	0.1196	-0.0099	-0.54	TH
9ZQAQN		0.1358	-0.0272	-1.28	0.1158	-0.0137	-0.74	TH
JAWV6Q		0.1518	-0.0112	-0.53	0.1212	-0.0083	-0.45	TN
MCCJU8		0.1708	0.0078	0.37	0.1608	0.0313	1.69	MI
RLJTLG		0.2068	0.0438	2.06	0.1568	0.0273	1.47	TH
V4A6MD		0.1562	-0.0068	-0.32	0.1216	-0.0079	-0.43	TM
YWEJ2U		0.1520	-0.0110	-0.52	0.1268	-0.0027	-0.15	TH

Summary Statistics

	Sample P07	Sample P08
Grand Means	0.16300 COF	0.12953 COF
Stnd Dev Btwn Labs	0.02123 COF	0.01852 COF

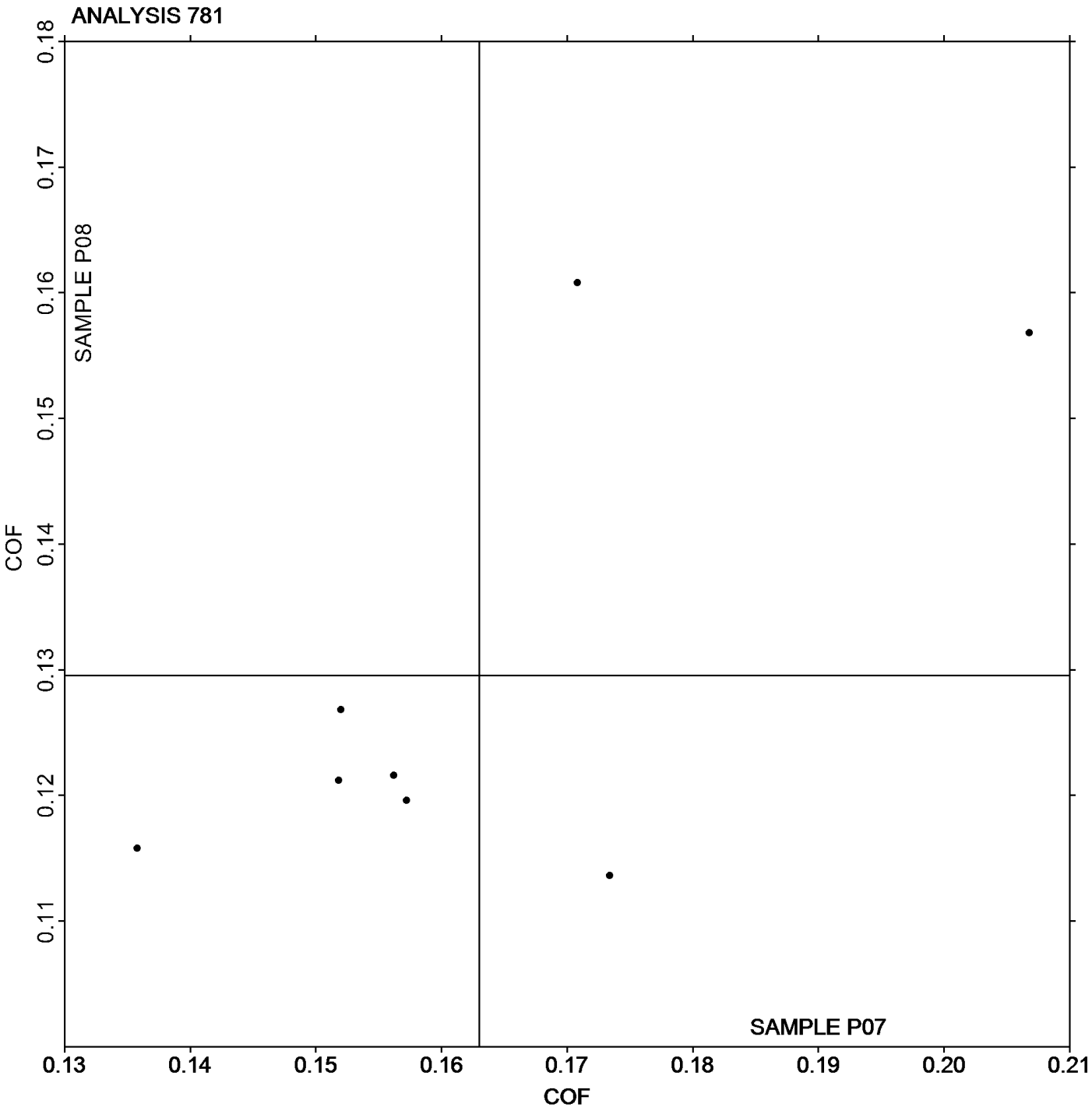
Statistics based on 8 of 8 reporting participants

Sample P07: LDPE & Sample P08: LDPE

Key to Instrument Codes Reported by Participants

MI MTS Insight
TH Thwing Albert Friction/Peel Tester Model 225-1
TM TMI Slip and Friction Tester
TN TMI #32-06

Grand Mean Sample P07: 0.16300 COF Grand Mean Sample P08: 0.12953 COF



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

WebCode	Data Flag	Sample Q07 Lab Mean	Sample Q07 Diff from Grand Mean	Sample Q07 CPV	Sample Q08 Lab Mean	Sample Q08 Diff from Grand Mean	Sample Q08 CPV	Instr Code
8DJF27		302.7	-7.1	-0.10	309.2	-1.6	-0.03	EM
9ZQAQN		435.8	126.1	1.85	413.1	102.3	1.70	TA
MCCJU8		312.6	2.9	0.04	321.5	10.6	0.18	TE
NDJ4FM		229.0	-80.8	-1.18	227.1	-83.7	-1.39	SZ
RLJTLG		288.8	-21.0	-0.31	302.6	-8.2	-0.14	TE
V4A6MD		289.7	-20.1	-0.29	291.5	-19.3	-0.32	TM

Summary Statistics

	Sample Q07	Sample Q08
Grand Means	309.78 grams-force	310.83 grams-force
Stnd Dev Btwn Labs	68.29 grams-force	60.05 grams-force

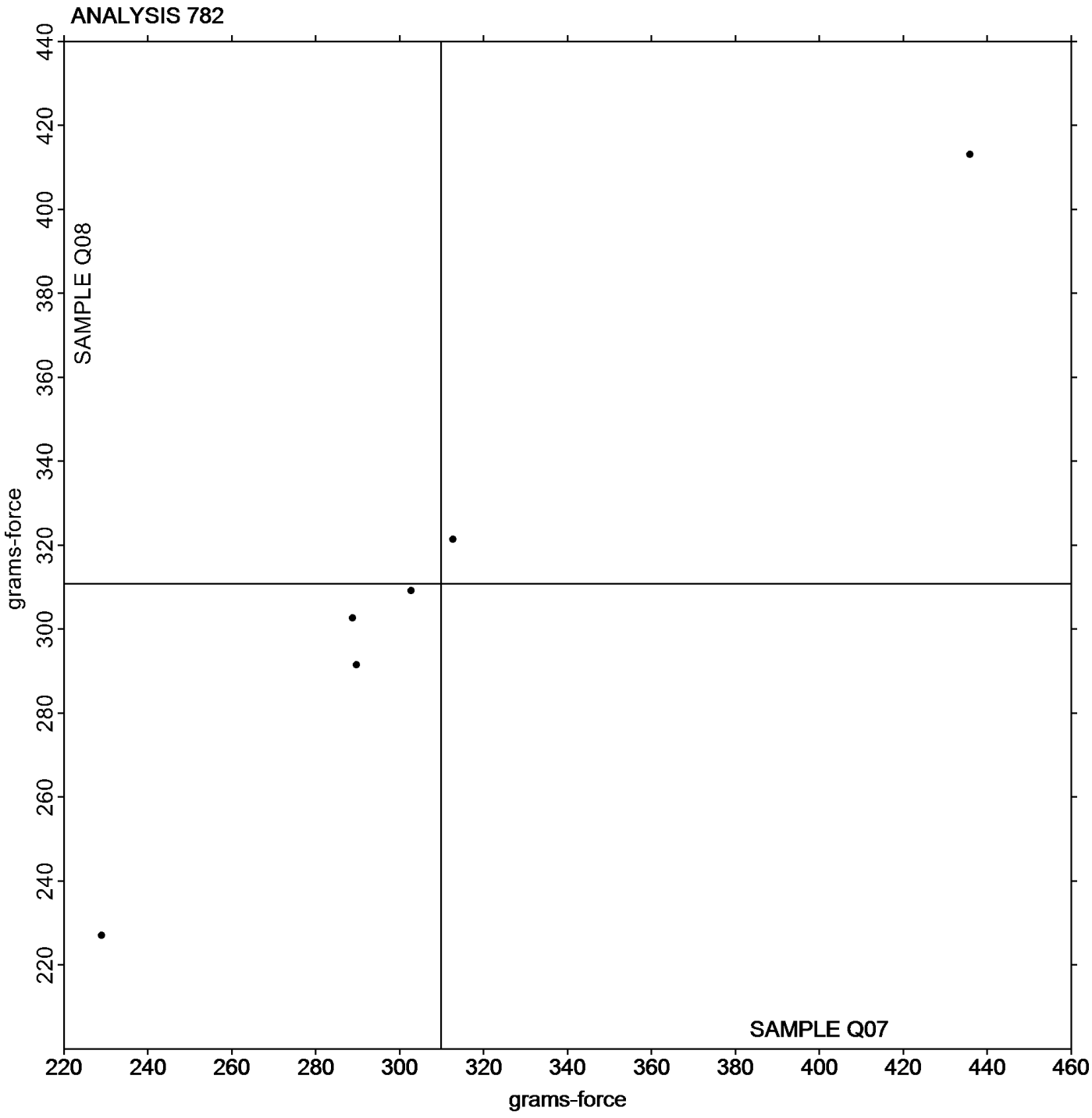
Statistics based on 6 of 6 reporting participants

Sample Q07: LDPE & Sample Q08: LDPE

Key to Instrument Codes Reported by Participants

EM Elmendorf Tear Tester
SZ Textest FX 3700
TA Thwing-Albert
TE Thwing-Albert Pro Tear
TM TMI No. 83-1100

Grand Mean Sample Q07: 309.78 grams-force Grand Mean Sample Q08: 310.83 grams-force



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

WebCode	Data Flag	Sample D07 Lab Mean	Sample D07 Diff from Grand Mean	Sample D07 CPV	Sample D08 Lab Mean	Sample D08 Diff from Grand Mean	Sample D08 CPV	Instr Code
2XLBC9		9.650	-2.051	-2.33	9.538	-2.095	-2.18	XR
394CAU		11.584	-0.118	-0.13	10.874	-0.759	-0.79	BJ
3NTK67		11.533	-0.169	-0.19	11.653	0.020	0.02	BJ
4V9HDQ		12.054	0.352	0.40	11.908	0.275	0.29	BJ
8DJF27		11.435	-0.266	-0.30	10.840	-0.793	-0.82	BJ
92ZJEE		11.725	0.024	0.03	11.600	-0.033	-0.03	BJ
9H8KA2		11.225	-0.476	-0.54	11.075	-0.558	-0.58	BJ
9ZQAQN		11.885	0.184	0.21	12.149	0.516	0.54	XR
CU7KF2		12.263	0.561	0.64	12.308	0.675	0.70	BJ
DWTLWA		11.449	-0.253	-0.29	11.125	-0.508	-0.53	XR
G42EEU		11.850	0.149	0.17	11.386	-0.247	-0.26	XX
JA2D3P		11.688	-0.014	-0.02	12.050	0.417	0.43	BJ
M6VQ4H		12.646	0.945	1.07	12.063	0.430	0.45	XR
MCCJU8		11.554	-0.148	-0.17	11.523	-0.110	-0.11	BJ
NDJ4FM		13.738	2.036	2.31	13.838	2.205	2.29	BJ
PBC4VF	*	10.221	-1.480	-1.68	10.933	-0.700	-0.73	HL
RL6DAZ		12.603	0.901	1.02	12.495	0.862	0.90	BJ
RLJTLG		11.419	-0.283	-0.32	11.436	-0.197	-0.20	BJ
T3R7H6		10.804	-0.898	-1.02	10.869	-0.764	-0.79	XR
V4A6MD	*	13.513	1.811	2.06	14.100	2.467	2.57	BJ
WTAWJ2		11.863	0.161	0.18	12.100	0.467	0.49	BJ
X3DB3D		11.461	-0.240	-0.27	11.031	-0.602	-0.63	BJ
XBJBBF		11.588	-0.114	-0.13	11.275	-0.358	-0.37	BJ
Y9XQ7B		11.088	-0.614	-0.70	11.025	-0.608	-0.63	BJ

Summary Statistics

	Sample D07	Sample D08
Grand Means	11.7014 Percent	11.6329 Percent
Stnd Dev Btwn Labs	0.8800 Percent	0.9618 Percent

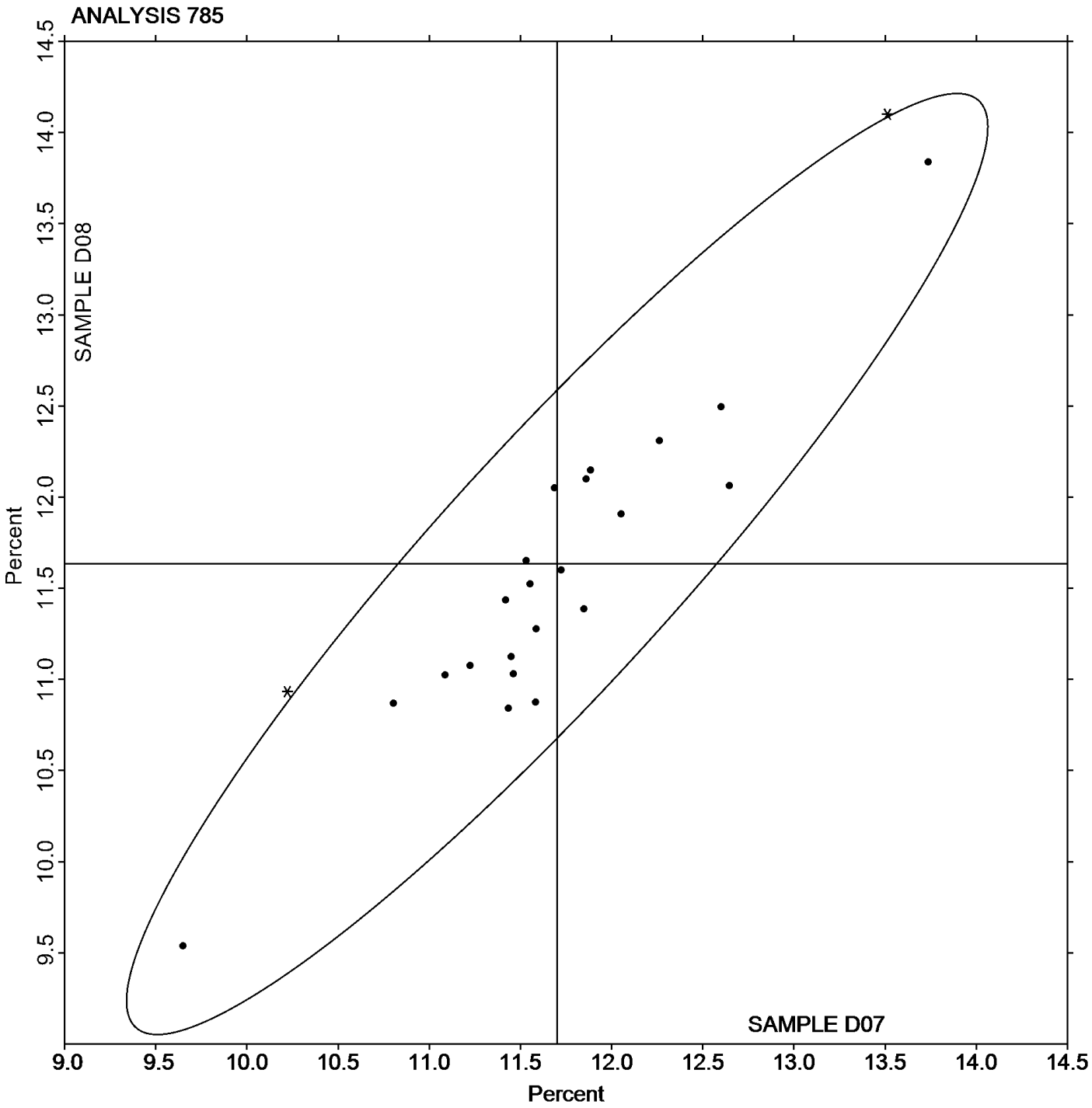
Statistics based on 24 of 24 reporting participants

Sample D07: LDPE & Sample D08: LDPE

Key to Instrument Codes Reported by Participants

BJ	BYK-Gardner Haze-Gard Plus/i	HL	Hunterlab Ultrascan
XR	X-Rite Spectrocolorimeter (any model)	XX	Instrument make/model not specified by lab

Grand Mean Sample D07: 11.701 Percent Grand Mean Sample D08: 11.633 Percent



Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous Transmittance of Film

WebCode	Data Flag	Sample D07 Lab Mean	Sample D07 Diff from Grand Mean	Sample D07 CPV	Sample D08 Lab Mean	Sample D08 Diff from Grand Mean	Sample D08 CPV	Instr Code
2XLBC9		91.19	-1.18	-0.50	91.24	-1.17	-0.50	XR
394CAU		94.58	2.21	0.93	94.56	2.16	0.93	BJ
3NTK67		94.25	1.88	0.80	94.24	1.83	0.79	BJ
4V9HDQ		93.21	0.85	0.36	93.01	0.61	0.26	BJ
8DJF27		94.31	1.95	0.82	94.35	1.95	0.83	BJ
92ZJEE		93.79	1.42	0.60	93.80	1.40	0.60	BJ
9H8KA2		93.51	1.15	0.48	93.54	1.13	0.49	BJ
CU7KF2		93.58	1.21	0.51	93.58	1.17	0.50	BJ
DWTLWA		91.38	-0.99	-0.42	91.40	-1.01	-0.43	XR
G42EEU		92.50	0.13	0.06	92.48	0.07	0.03	XX
JA2D3P	*	85.73	-6.64	-2.80	86.04	-6.37	-2.73	BJ
M6VQ4H		92.00	-0.36	-0.15	92.03	-0.37	-0.16	XR
MCCJU8		92.64	0.27	0.11	92.74	0.33	0.14	BJ
NDJ4FM	*	85.29	-7.08	-2.99	85.30	-7.10	-3.04	BJ
PBC4VF		91.29	-1.08	-0.46	91.27	-1.13	-0.48	XX
RL6DAZ		93.33	0.96	0.41	93.26	0.85	0.37	BJ
RLJTLG		93.29	0.92	0.39	93.25	0.85	0.36	BJ
T3R7H6		91.70	-0.66	-0.28	91.75	-0.65	-0.28	XR
V4A6MD	*	93.21	0.85	0.36	93.61	1.21	0.52	BJ
WTAWJ2		92.91	0.55	0.23	92.94	0.53	0.23	BJ
X3DB3D		93.75	1.38	0.58	93.76	1.36	0.58	BJ
XBJBBF		93.53	1.16	0.49	93.56	1.16	0.50	BJ
Y9XQ7B		93.46	1.10	0.46	93.58	1.17	0.50	BJ

Summary Statistics

	Sample D07	Sample D08
Grand Means	92.365 Percent	92.403 Percent
Stnd Dev Btwn Labs	2.368 Percent	2.334 Percent

Statistics based on 23 of 23 reporting participants

Sample D07: LDPE & Sample D08: LDPE

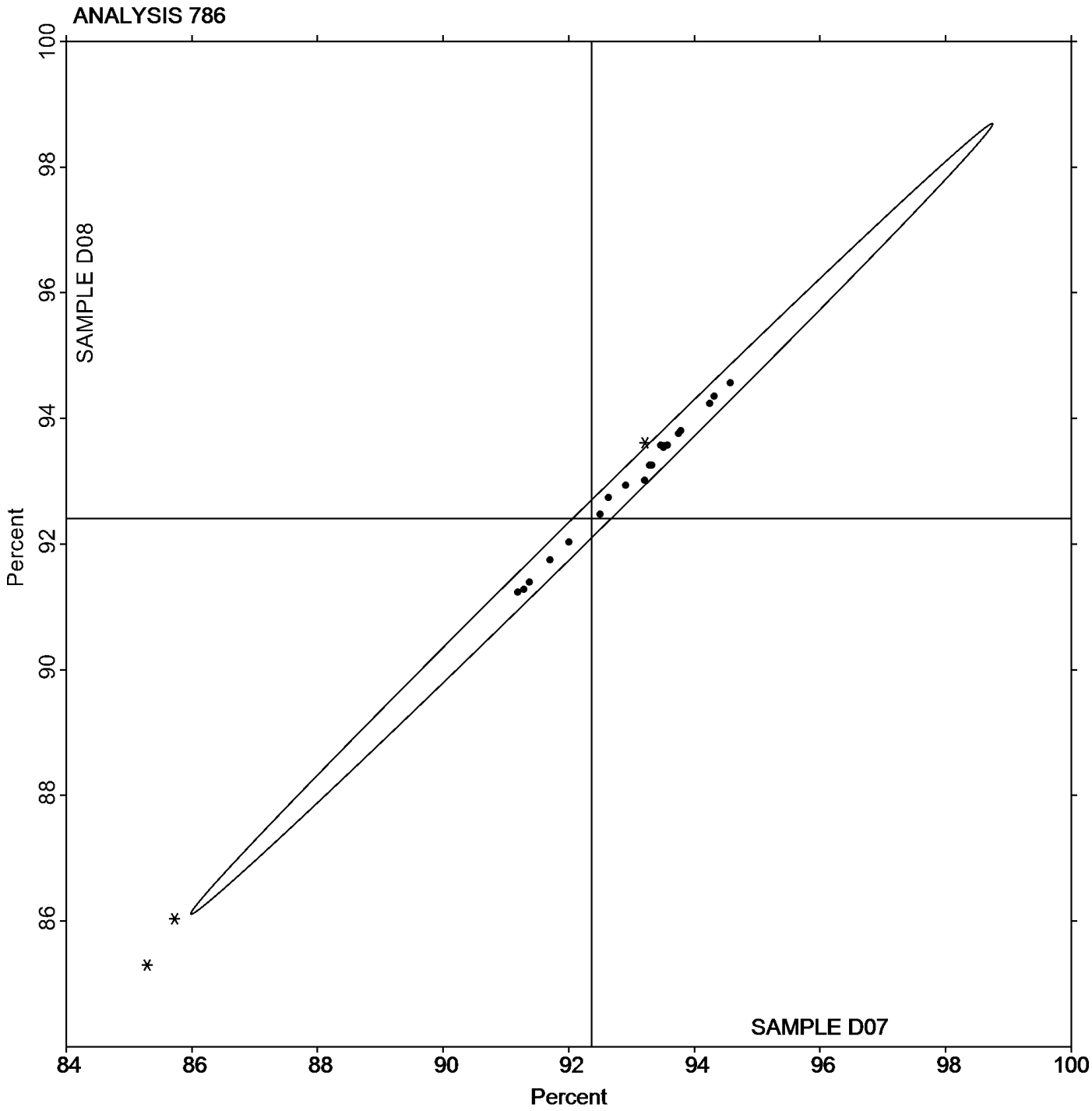
Key to Instrument Codes Reported by Participants

BJ BYK-Gardner Haze-Gard Plus/i

XR X-Rite Spectrocolorimeter (any model)

XX Instrument make/model not specified by lab

Grand Mean Sample D07: 92.365 Percent Grand Mean Sample D08: 92.403 Percent



WebCode	Data Flag	Sample S07 Lab Mean	Sample S07 Diff from Grand Mean	Sample S07 CPV	Sample S08 Lab Mean	Sample S08 Diff from Grand Mean	Sample S08 CPV	Instr Code
2DHPC3	X	8.79	-1.55	-2.53	9.94	-0.41	-0.67	TM
394CAU		10.37	0.03	0.05	10.85	0.50	0.80	TO
3MK8M6		10.96	0.62	1.01	10.86	0.51	0.82	WZ
3P9NVR		10.60	0.26	0.42	10.54	0.19	0.30	TO
4P6EK7		9.77	-0.57	-0.94	9.79	-0.56	-0.90	BA
4V9HDQ		10.55	0.21	0.34	10.48	0.13	0.21	TY
76CCKN		10.43	0.09	0.14	10.81	0.46	0.74	XX
83ZYD7		10.43	0.09	0.15	10.65	0.30	0.48	WZ
9QG6DX	X	13.78	3.43	5.62	13.60	3.25	5.21	TO
9X3ZE2		10.25	-0.09	-0.15	10.26	-0.09	-0.15	WZ
D4T2LG		10.43	0.09	0.15	10.62	0.27	0.43	TY
DX2QCJ	*	11.74	1.40	2.29	11.49	1.14	1.82	TM
E8AMTU	X	9.64	-0.70	-1.15	10.47	0.12	0.19	TO
G8K44D		10.44	0.10	0.17	10.35	0.00	0.01	CE
GE3FEU		10.20	-0.14	-0.24	10.15	-0.20	-0.32	WZ
GY7KJE		10.49	0.14	0.24	10.49	0.13	0.22	CE
HEZADP		9.57	-0.77	-1.26	9.66	-0.69	-1.11	TO
HLV8ZT		10.39	0.05	0.08	10.06	-0.29	-0.46	TO
JA2D3P		10.61	0.27	0.45	10.75	0.40	0.63	WZ
JDHFAU		11.17	0.83	1.36	11.17	0.82	1.31	TM
KHMVWN		10.00	-0.34	-0.56	9.89	-0.46	-0.74	TO
MCCJU8	X	8.33	-2.01	-3.29	11.06	0.71	1.14	TO
NPVDZ7		10.12	-0.22	-0.36	9.97	-0.38	-0.61	TO
PKGBBF		9.79	-0.55	-0.90	9.86	-0.50	-0.79	TO
QRRYHM		10.53	0.19	0.32	10.41	0.06	0.10	IN
RLJTLG		9.82	-0.52	-0.85	9.73	-0.62	-1.00	CE
TALCAK		9.87	-0.47	-0.78	9.75	-0.60	-0.96	TO
TH3PEB		10.72	0.38	0.62	11.06	0.71	1.14	TO
TKA6N3	X	128.57	118.23	193.57	130.44	120.09	192.72	TO
UTEC2G		10.78	0.44	0.71	10.72	0.37	0.59	DY
VRJFPR	*	8.45	-1.89	-3.09	8.39	-1.96	-3.15	XX
W7HH7Z		10.19	-0.15	-0.24	10.16	-0.19	-0.31	TM
WTAWJ2		10.75	0.41	0.67	11.04	0.69	1.11	CE
XBJBBF		9.83	-0.51	-0.84	9.86	-0.49	-0.79	WZ
YEJNTD		11.32	0.98	1.60	11.08	0.73	1.17	TO

WebCode	Data Flag	Sample S07 Lab Mean	Sample S07 Diff from Grand Mean	Sample S07 CPV	Sample S08 Lab Mean	Sample S08 Diff from Grand Mean	Sample S08 CPV	Instr Code
YJEHQE		9.47	-0.87	-1.43	9.52	-0.83	-1.33	XX
YYMNKB		10.86	0.52	0.85	10.82	0.47	0.75	TO

Summary Statistics

	Sample S07	Sample S08
Grand Means	10.341 ft.lbf/in	10.351 ft.lbf/in
Stnd Dev Btwn Labs	0.611 ft.lbf/in	0.623 ft.lbf/in

Statistics based on 32 of 37 reporting participants

Sample S07: ABS/PC & Sample S08: ABS/PC

Comments on Assigned Data Flags for Test #790

2DHPC3 (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample S08.

9QG6DX (X) - Data for both samples are high. Possible Systematic Error.

E8AMTU (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample S07.

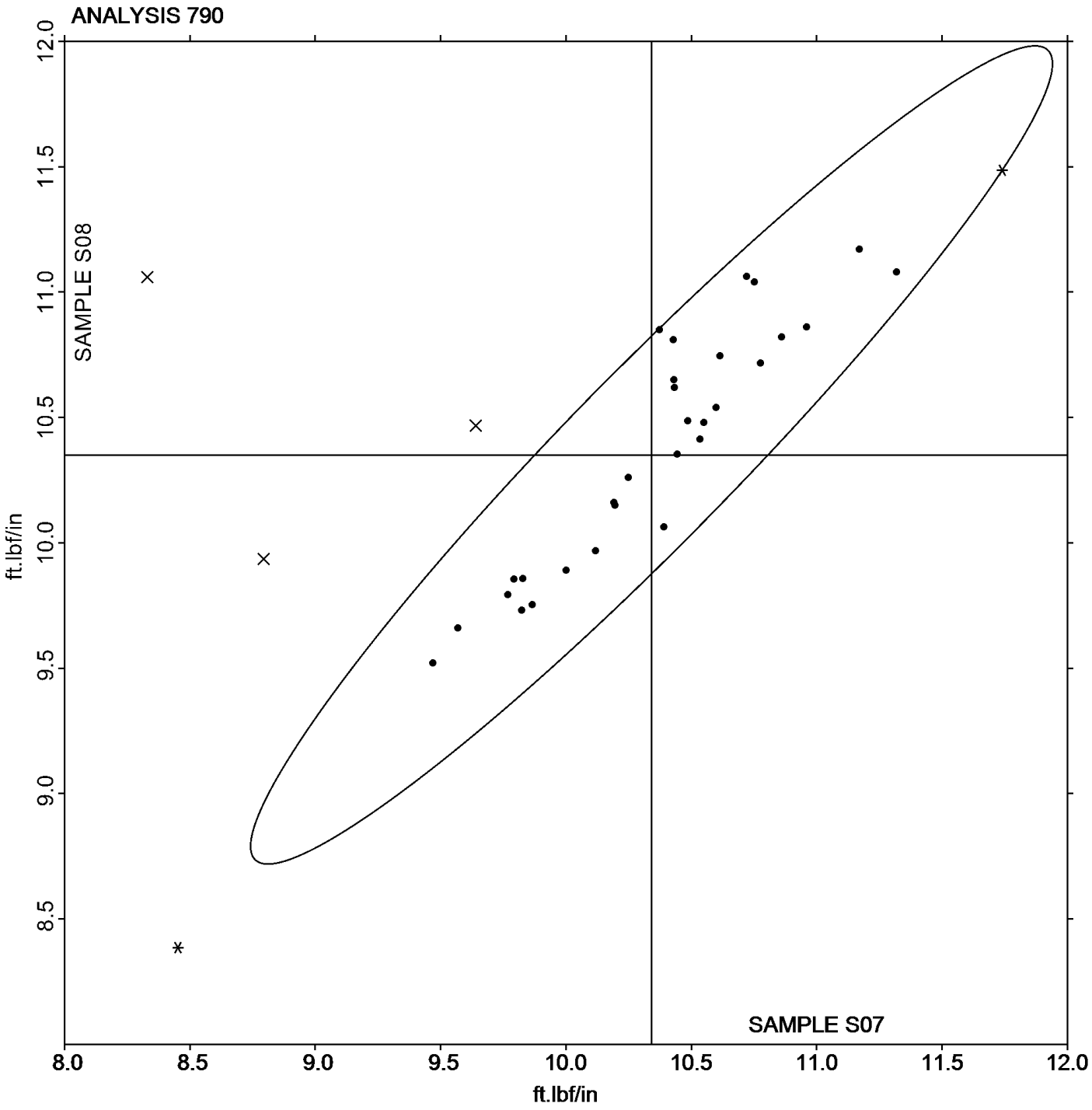
TKA6N3 (X) - Extreme data.

MCCJU8 (X) - Data for sample S07 are low. Inconsistent within the determinations of sample S07.

Key to Instrument Codes Reported by Participants

BA	Baldwin	CE	Ceast
DY	Dynatup	IN	Instron
TM	TMI	TO	Tinius Olsen
TY	Toyoseiki	WZ	Zwick
XX	Instrument manufacturer not specified by lab		

Grand Mean Sample S07: 10.341 ft.lbf/in Grand Mean Sample S08: 10.351 ft.lbf/in



WebCode	Data Flag	Sample Z07 Lab Mean	Sample Z07 Diff from Grand Mean	Sample Z07 CPV	Sample Z08 Lab Mean	Sample Z08 Diff from Grand Mean	Sample Z08 CPV	Instr Code
2DHPC3		42.99	-1.12	-0.46	44.86	0.54	0.21	XX
394CAU		44.95	0.85	0.35	45.41	1.09	0.43	TO
3TRXQB		48.54	4.44	1.81	49.12	4.80	1.89	TO
48P6K7	X	48.39	4.28	1.74	58.17	13.85	5.44	TM
4NAVJ6		43.24	-0.86	-0.35	42.90	-1.42	-0.56	CE
4V9HDQ		43.70	-0.40	-0.16	43.86	-0.46	-0.18	XX
63PFF4		47.26	3.16	1.29	48.02	3.70	1.45	TO
68ZQ9X		46.06	1.95	0.80	46.03	1.71	0.67	CE
76CCKN	*	39.80	-4.30	-1.75	41.56	-2.76	-1.08	XX
7RKRX7		44.05	-0.06	-0.02	43.18	-1.14	-0.45	IN
7TVP93		45.67	1.56	0.64	47.02	2.70	1.06	WZ
83ZYD7		45.55	1.45	0.59	44.94	0.62	0.24	WZ
88BA7Z	X	8.95	-35.16	-14.32	8.98	-35.34	-13.88	CE
9X3ZE2		44.98	0.87	0.36	45.33	1.01	0.40	WZ
AZJRY3		47.70	3.60	1.46	48.06	3.74	1.47	CE
CJBCWY		39.75	-4.36	-1.78	40.21	-4.11	-1.61	XX
D4T2LG		43.87	-0.23	-0.09	44.15	-0.17	-0.07	TY
E2JF6U		42.15	-1.96	-0.80	41.39	-2.93	-1.15	WZ
EW8CGD		45.32	1.22	0.50	45.60	1.28	0.50	IN
FCENNW		46.35	2.25	0.92	47.43	3.11	1.22	TO
GE3FEU		46.75	2.64	1.08	47.44	3.12	1.23	WZ
JAWV6Q	X	45.66	1.56	0.63	39.87	-4.45	-1.75	XX
LK93UQ		39.76	-4.34	-1.77	40.04	-4.28	-1.68	TO
LTLWAR		44.16	0.06	0.02	44.58	0.26	0.10	WZ
MCCJU8		46.62	2.52	1.02	46.02	1.70	0.67	TO
MQCBR7		46.41	2.31	0.94	45.67	1.35	0.53	TO
MQVATA		43.59	-0.51	-0.21	43.97	-0.35	-0.14	TO
QNTMLM		41.22	-2.89	-1.18	41.80	-2.52	-0.99	TY
RLJTLG		43.32	-0.79	-0.32	42.56	-1.76	-0.69	CE
TALCAK		42.35	-1.76	-0.72	41.94	-2.38	-0.94	TO
TYNBVV		42.97	-1.14	-0.46	43.34	-0.98	-0.38	XX
UHXPU2		47.98	3.87	1.58	48.30	3.98	1.56	XX
VRJFPR	X	43.56	-0.54	-0.22	39.44	-4.88	-1.92	XX
YQTJRA		39.83	-4.28	-1.74	39.70	-4.62	-1.81	CE
YVLLV9		43.74	-0.36	-0.15	43.76	-0.56	-0.22	CE

WebCode	Data Flag	Sample Z07 Lab Mean	Sample Z07 Diff from Grand Mean	Sample Z07 CPV	Sample Z08 Lab Mean	Sample Z08 Diff from Grand Mean	Sample Z08 CPV	Instr Code
YXEEUY		42.73	-1.38	-0.56	42.21	-2.11	-0.83	TO
YYMNKB		42.13	-1.97	-0.80	42.16	-2.16	-0.85	TO

Summary Statistics

	Sample Z07	Sample Z08
Grand Means	44.105 kJ/m^2	44.319 kJ/m^2
Stnd Dev Btwn Labs	2.455 kJ/m^2	2.546 kJ/m^2

Statistics based on 33 of 37 reporting participants

Sample Z07: ABS/PC & Sample Z08: ABS/PC

Comments on Assigned Data Flags for Test #791

VRJFPR (X) - Inconsistent in testing between samples.

88BA7Z (X) - Data for both samples are low.

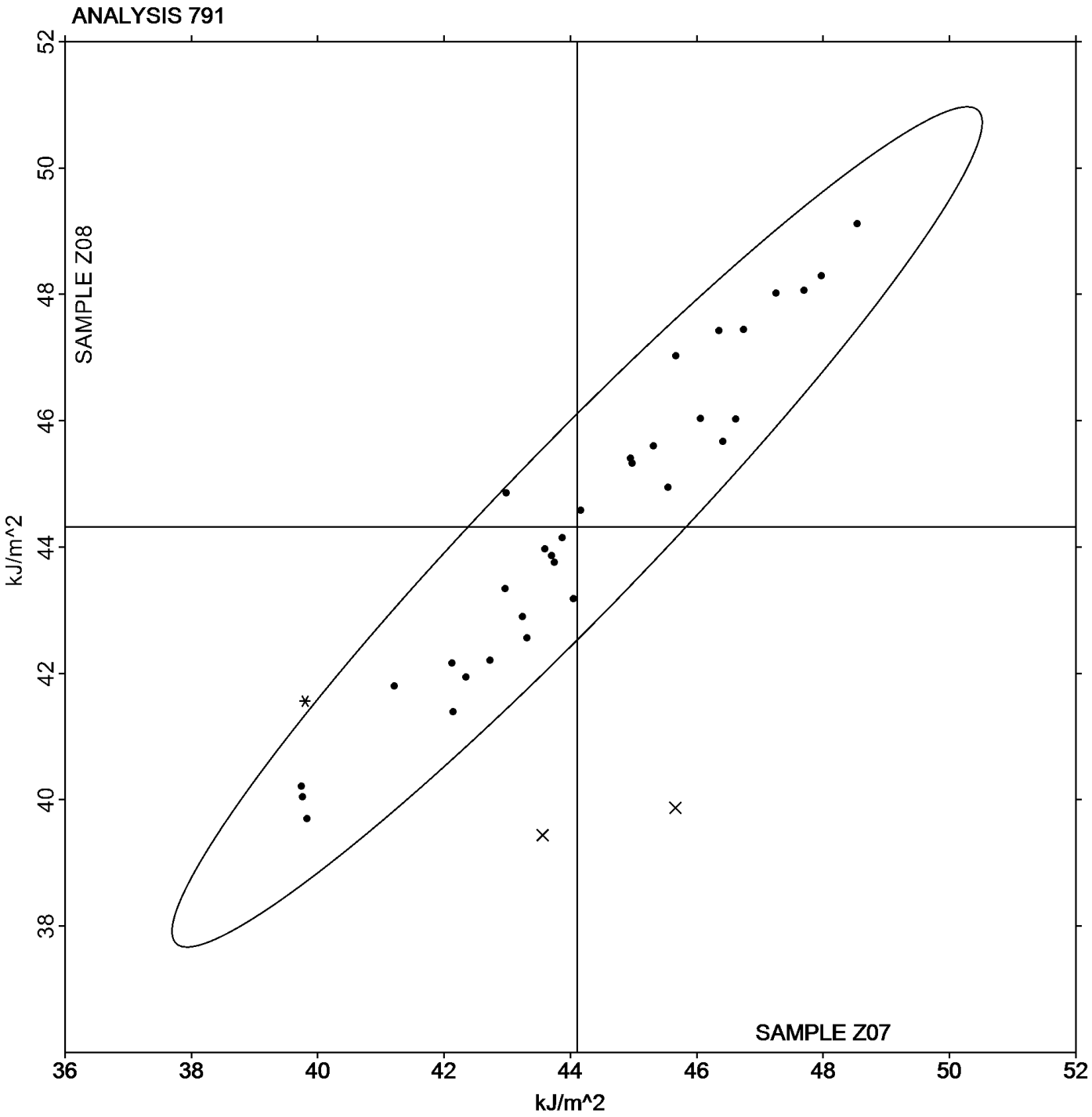
48P6K7 (X) - Data for sample Z08 are high. Inconsistent within the determinations of sample Z08.

JAWV6Q (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample Z07.

Key to Instrument Codes Reported by Participants

CE Ceast
IN Instron
TM TMI
TO Tinius Olsen
TY Toyoseiki
WZ Zwick
XX Instrument manufacturer not specified by lab

Grand Mean Sample Z07: 44.105 kJ/m^2 Grand Mean Sample Z08: 44.319 kJ/m^2



WebCode	Data Flag	Sample M07 Lab Mean	Sample M07 Diff from Grand Mean	Sample M07 CPV	Sample M08 Lab Mean	Sample M08 Diff from Grand Mean	Sample M08 CPV	Instr Code
2DHPC3		9.17	0.71	2.26	9.00	0.54	2.04	XX
394CAU		8.11	-0.35	-1.11	8.43	-0.03	-0.13	TO
3LPPL4		8.69	0.24	0.75	8.62	0.16	0.60	TO
3TRXQB		8.12	-0.34	-1.06	8.36	-0.11	-0.40	TO
46DPRQ		8.67	0.22	0.68	8.53	0.06	0.24	WZ
4NAVJ6		8.70	0.25	0.78	8.54	0.07	0.27	CE
4V9HDQ		8.23	-0.22	-0.71	8.26	-0.21	-0.79	TY
63PFF4		8.52	0.06	0.20	8.57	0.10	0.39	TO
68ZQ9X		8.22	-0.24	-0.75	8.20	-0.27	-1.02	CE
76CCKN		8.07	-0.39	-1.23	8.04	-0.42	-1.60	XX
7RKRX7	X	8.52	0.07	0.21	9.25	0.78	2.96	IN
7TVP93		9.07	0.62	1.95	8.80	0.34	1.28	WZ
83ZYD7		8.35	-0.10	-0.33	8.36	-0.10	-0.39	WZ
88BA7Z	X	41.58	33.12	104.92	49.55	41.09	155.66	CE
9QG6DX	X	10.22	1.77	5.60	10.23	1.77	6.70	TO
9X3ZE2		8.29	-0.17	-0.53	8.31	-0.16	-0.61	WZ
AZJRY3		8.76	0.31	0.98	8.52	0.06	0.21	CE
E227DE		8.20	-0.25	-0.80	8.09	-0.38	-1.43	TM
E2JF6U		7.96	-0.49	-1.56	7.99	-0.48	-1.81	WZ
E8AMTU		8.36	-0.09	-0.29	8.47	0.01	0.03	TO
EYDQ7R		8.00	-0.46	-1.45	8.04	-0.42	-1.61	XX
FCENNW		8.23	-0.23	-0.72	8.37	-0.10	-0.37	TO
G8K44D		8.28	-0.18	-0.56	8.34	-0.13	-0.49	WZ
GE3FEU		8.48	0.03	0.09	8.41	-0.05	-0.20	WZ
HEZADP		8.78	0.33	1.03	8.66	0.20	0.75	TO
J8R8LU		8.40	-0.06	-0.18	8.21	-0.25	-0.96	XX
JA2D3P		7.94	-0.51	-1.63	8.19	-0.28	-1.06	WZ
LK93UQ		8.66	0.21	0.65	8.74	0.27	1.04	TO
LTLWAR		8.14	-0.32	-1.00	8.26	-0.21	-0.78	WZ
MCCJU8		8.48	0.03	0.09	8.56	0.09	0.34	TO
MMRGXQ		8.31	-0.14	-0.46	8.50	0.03	0.12	CE
MQVATA		8.49	0.04	0.11	8.39	-0.08	-0.30	TO
PBC4VF		8.60	0.14	0.46	8.73	0.26	0.99	TO
QNTMLM		8.58	0.13	0.40	8.59	0.13	0.48	TY
QRRYHM		8.30	-0.15	-0.49	8.47	0.00	0.01	XX

WebCode	Data Flag	Sample M07 Lab Mean	Sample M07 Diff from Grand Mean	Sample M07 CPV	Sample M08 Lab Mean	Sample M08 Diff from Grand Mean	Sample M08 CPV	Instr Code
RLJTLG		8.72	0.27	0.85	8.68	0.22	0.82	CE
TKA6N3		8.30	-0.15	-0.49	8.35	-0.12	-0.44	TO
UHXPU2		8.52	0.06	0.20	8.42	-0.05	-0.18	WZ
VRJFPR		8.43	-0.03	-0.09	8.63	0.16	0.62	XX
XQYB97	*	9.34	0.88	2.79	9.25	0.79	2.98	TO
YD7CU9		8.46	0.01	0.03	8.40	-0.06	-0.23	TO
YEJNTD		8.22	-0.24	-0.76	8.22	-0.25	-0.93	TO
YVLLV9		8.58	0.12	0.39	8.81	0.34	1.29	CE
YXEEUY		8.43	-0.03	-0.09	8.36	-0.11	-0.40	TO
YZY9PD		8.96	0.50	1.58	8.90	0.43	1.63	WZ

Summary Statistics

	Sample M07	Sample M08
Grand Means	8.456 kJ/m^2	8.466 kJ/m^2
Stnd Dev Btwn Labs	0.316 kJ/m^2	0.264 kJ/m^2

Statistics based on 42 of 45 reporting participants

Sample M07: HIPS & Sample M08: HIPS

Comments on Assigned Data Flags for Test #792

9QG6DX (X) - Data for both samples are high. Possible Systematic Error.

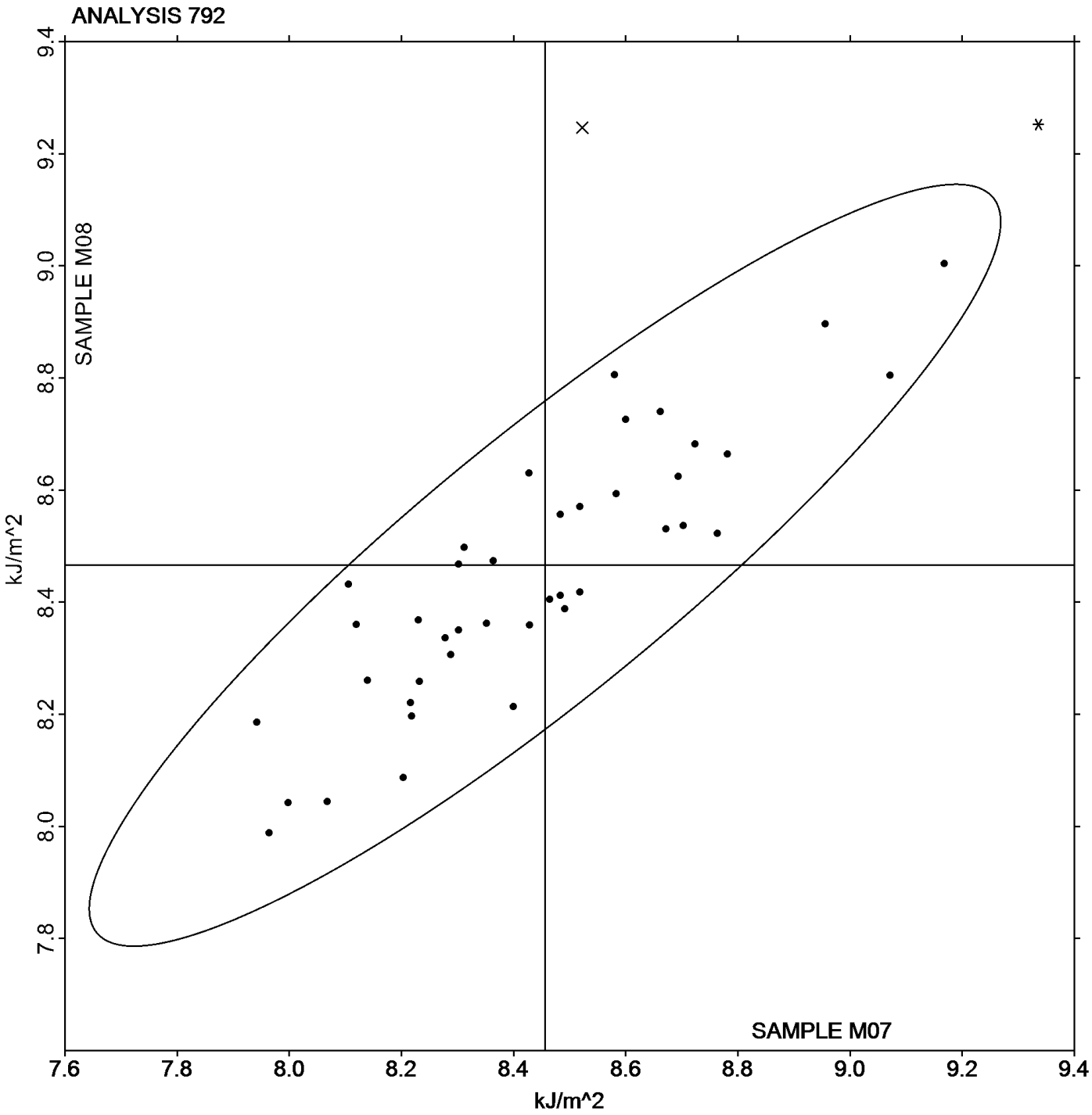
88BA7Z (X) - Extreme data.

7RKRX7 (X) - Data for sample M08 are high.

Key to Instrument Codes Reported by Participants

CE Ceast
IN Instron
TM TMI
TO Tinius Olsen
TY Toyoseiki
WZ Zwick
XX Instrument manufacturer not specified by lab

Grand Mean Sample M07: 8.4559 kJ/m^2 Grand Mean Sample M08: 8.4659 kJ/m^2



-End of Report-