Collaborative Testing Services, Inc.

Plastics Interlaboratory Testing Program

Web Summary Report #139, 3rd Qtr 2026

About CTS and the Plastics Interlaboratory Program

Key for Web Summary Report

Results Summary for this Report

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

Analysis	Analysis Name
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, 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 #139, 3rd Qtr 2026

Analysis 704 - Tensile Stress at Yield				
Material: HIPS	Sample F19	3,956.12	psi	2.61% COV
	Sample F20	3,951.85	psi	2.47% COV
Analysis 705 - Tensile Stress at Break				
Material: HIPS	Sample F19	3,285.16	psi	3.04% COV
	Sample F20	3,298.71	psi	3.07% COV
Analysis 706 - Percent Elongation at Yield				
Material: HIPS	Sample F19	1.3389	Percent	4.55% COV
	Sample F20	1.3408	Percent	4.79% COV
Analysis 708 - Modulus of Elasticity				
Material: HIPS	Sample F19	341.99	ksi	3.99% COV
	Sample F20	341.65	ksi	3.98% COV
Analysis 710 - Deflection Temp. Under Flexural Load (1.82 MPa)				
Material: ABS	Sample E19	82.689	Degrees C	1.47% COV
	Sample E20	82.769	Degrees C	1.48% COV
Analysis 711 - Deflection Temp. Under Flexural Load (0.455 MPa)				
Material: PP	Sample G19	94.717	Degrees C	3.24% COV
	Sample G20	94.479	Degrees C	3.18% COV
Analysis 712 - Temperature of Deflection (1.80 MPa)				
Material: ABS	Sample N19	80.888	Degrees C	1.02% COV
	Sample N20	80.851	Degrees C	1.02% COV
Analysis 715 - Vicat Temperature (Rate A)				
Material: ABS	Sample H19	102.50	Degrees C	2.01% COV
	Sample H20	102.54	Degrees C	2.04% COV
Analysis 716 - Vicat Temperature (Rate B)				
Material: ABS	Sample R19	104.23	Degrees C	2.50% COV
	Sample R20	104.29	Degrees C	2.53% COV
Analysis 718 - Specific Gravity				
Material: ABS/PC	Sample T19	1.1359	sp gr 23/23 C	0.255% COV
	Sample T20	1.1360	sp gr 23/23 C	0.229% COV
Analysis 720 - Flexural Modulus				
Material: HIPS	Sample J19	371.01	ksi	5.65% COV
	Sample J20	371.38	ksi	5.89% COV
Analysis 721 - Flexural Stress at 5% Strain				
Material: HIPS	Sample J19	6,853.32	psi	4.83% COV
	Sample J20	6,859.65	psi	4.77% COV
Analysis 722 - Flexural Stress at Yield				
Material: HIPS	Sample J19	6,819.76	psi	4.99% COV
	Sample J20	6,830.64	psi	4.79% COV
Analysis 730 - Tensile Stress at Yield, ISO Method				
Material: ABS/PC	Sample C19	48.669	MPa	1.65% COV
	Sample C20	48.578	MPa	1.80% COV
Analysis 731 - Tensile Stress at Break, ISO Method				
Material: ABS/PC	Sample C19	43.210	MPa	2.26% COV
	Sample C20	43.130	MPa	2.46% COV

Analysis 732 - Strain at Yield, ISO Method				
Material: ABS/PC	Sample C19	4.5814	Percent	3.28% COV
	Sample C20	4.5747	Percent	3.14% COV
Analysis 734 - Modulus of Elasticity, ISO Method				
Material: ABS/PC	Sample C19	2,200.65	MPa	3.33% COV
	Sample C20	2,201.17	MPa	2.90% COV
Analysis 736 - Flexural Modulus				
Material: HIPS	Sample K19	2,332.49	MPa	3.24% COV
	Sample K20	2,339.67	MPa	3.05% COV
Analysis 737 - Flexural Stress at 3.5% Strain				
Material: HIPS	Sample K19	41.840	MPa	2.37% COV
	Sample K20	41.865	MPa	2.34% COV
Analysis 738 - Flexural Stress at Yield				
Material: HIPS	Sample K19	42.391	MPa	4.29% COV
	Sample K20	42.447	MPa	4.56% COV
Analysis 750 - Flow Rate (190C or 230C/2.16 kg)				
Material: LDPE	Sample X19	6.3837	grams/10 mins	3.53% COV
	Sample X20	6.3776	grams/10 mins	3.93% COV
Analysis 755 - Moisture Content				
Material: ABS/PC	Sample Y19	0.12888	Percent	13.4% COV
	Sample Y20	0.12594	Percent	13.8% COV
Analysis 757 - Ash Content				
Material: PP	Sample L19	20.785	Percent	0.242% COV
	Sample L20	20.801	Percent	0.244% COV
Analysis 758 - TGA				
Material: PBT	Sample A19	68.954	Percent	2.90% COV
	Sample A20	68.750	Percent	2.87% COV
Analysis 760 - DSC Crystallization Temperature				
Material: PP	Sample W19	109.04	Degrees Celsius	3.69% COV
	Sample W20	108.92	Degrees Celsius	3.52% COV
Analysis 761 - DSC Melt Temperature				
Material: PP	Sample W19	164.97	Degrees Celsius	1.08% COV
	Sample W20	165.10	Degrees Celsius	1.25% COV
Analysis 762 - DSC Enthalpy of Crystallization				
Material: PP	Sample W19	97.772	Joules Per Gram	5.27% COV
	Sample W20	98.672	Joules Per Gram	4.98% COV
Analysis 763 - DSC Enthalpy of Fusion				
Material: PP	Sample W19	97.618	Joules Per Gram	10.7% COV
	Sample W20	97.858	Joules Per Gram	9.75% COV
Analysis 764 - DSC Glass Transition Temperature				
Material: ABS	Sample V19	107.93	Degrees Celsius	2.94% COV
	Sample V20	107.88	Degrees Celsius	2.75% COV
Analysis 765 - Research Crystallization Peak Temperature				
Material: PP	Sample W19	109.77	Degrees Celsius	2.35% COV
	Sample W20	110.13	Degrees Celsius	2.47% COV

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Results Summary for Report #139, 3rd Qtr 2026

Analysis 766 - Research Melting Peak Temperature				
Material: PP	Sample W19	165.28	Degrees Celsius	1.42% COV
	Sample W20	165.02	Degrees Celsius	1.51% COV
Analysis 767 - Research Heat of Crystallization				
Material: PP	Sample W19	100.94	Joules Per Gram	10.3% COV
	Sample W20	102.33	Joules Per Gram	9.58% COV
Analysis 768 - Research Heat of Fusion				
Material: PP	Sample W19	97.541	Joules Per Gram	12.7% COV
	Sample W20	98.493	Joules Per Gram	10.8% COV
Analysis 769 - Research Glass Transition Temperature				
Material: ABS	Sample V19	107.54	Degrees Celsius	2.16% COV
	Sample V20	107.45	Degrees Celsius	2.00% COV
Analysis 770 - Tensile Stress at Yield, Films				
Material: LDPE	Sample B19	2,103.89	psi	7.94% COV
	Sample B20	2,006.11	psi	10.0% COV
Analysis 771 - Tensile Stress at Break, Films				
Material: LDPE	Sample B19	3,612.91	psi	17.9% COV
	Sample B20	3,848.75	psi	20.9% COV
Analysis 772 - Elongation at Yield, Films				
Material: LDPE	Sample B19	30.436	Percent	61.5% COV
	Sample B20	49.228	Percent	47.3% COV
Analysis 773 - Elongation at Break, Films				
Material: LDPE	Sample B19	887.33	Percent	24.1% COV
	Sample B20	913.90	Percent	28.0% COV
Analysis 774 - Thickness of Film Specimens				
Material: LDPE	Sample B19	3.8471	mils	3.00% COV
	Sample B20	3.8797	mils	3.26% COV
Analysis 775 - Secant Modulus at 1% Strain				
Material: LDPE	Sample B19	50,067.51	psi	12.9% COV
	Sample B20	44,878.18	psi	14.2% COV
Analysis 776 - Secant Modulus at 2% Strain				
Material: LDPE	Sample B19	40,909.31	psi	10.1% COV
	Sample B20	36,829.21	psi	9.93% COV
Analysis 780 - Static Friction				
Material: LDPE	Sample P19	0.32256	COF	13.4% COV
	Sample P20	0.37604	COF	12.2% COV
Analysis 781 - Kinetic Friction				
Material: LDPE	Sample P19	0.28660	COF	7.37% COV
	Sample P20	0.34910	COF	12.8% COV
Analysis 782 - Tear Resistance of Film				
Material: LDPE	Sample Q19	287.37	grams-force	8.35% COV
	Sample Q20	297.74	grams-force	9.56% COV
Analysis 785 - Percent Haze				
Material: LDPE	Sample D19	16.831	Percent	3.10% COV
	Sample D20	17.982	Percent	3.24% COV

Plastics Interlaboratory Testing Program

Results Summary for Report #139, 3rd Qtr 2026

Analysis 786 - Total Transmittance

Material: LDPE	Sample D19	92.737	Percent	1.23% COV
	Sample D20	92.699	Percent	1.23% COV

Analysis 790 - Notched Izod Impact

Material: ABS	Sample S19	4.0400	ft.lbf/in	5.35% COV
	Sample S20	4.0183	ft.lbf/in	6.11% COV

Analysis 791 - Notched Izod Impact

Material: ABS/PC	Sample Z19	44.038	kJ/m^2	6.82% COV
	Sample Z20	43.997	kJ/m^2	6.95% COV

Analysis 792 - Notched Charpy Impact

Material: ABS/PC	Sample M19	46.215	kJ/m^2	8.37% COV
	Sample M20	46.127	kJ/m^2	7.98% COV

WebCode	Data Flag	Sample F19 Lab Mean	Sample F19 Diff from Grand Mean	Sample F19 CPV	Sample F20 Lab Mean	Sample F20 Diff from Grand Mean	Sample F20 CPV
27RXQV		3,957.2	1.1	0.01	3,951.7	-0.1	0.00
2CXQKQ		3,874.0	-82.1	-0.80	3,833.7	-118.2	-1.21
3D74Z8		3,958.0	1.9	0.02	3,950.0	-1.9	-0.02
3K3VBM		3,956.0	-0.1	0.00	3,920.0	-31.9	-0.33
4FR8AQ		3,833.6	-122.5	-1.19	3,876.0	-75.9	-0.78
4TF83D	*	3,748.0	-208.1	-2.02	3,820.8	-131.1	-1.34
67EG2J		3,926.6	-29.5	-0.29	3,906.9	-44.9	-0.46
78P26E		3,970.0	13.9	0.13	3,960.0	8.1	0.08
7FFF9K		4,098.0	141.9	1.38	4,074.0	122.1	1.25
7FGCJF		4,008.9	52.8	0.51	3,994.4	42.5	0.44
7HMUGB		4,058.0	101.9	0.99	4,059.6	107.7	1.10
7QXW3C		3,899.0	-57.2	-0.55	3,886.6	-65.3	-0.67
7T4L2E		4,151.2	195.1	1.89	4,163.2	211.3	2.16
87BUJW		3,774.8	-181.3	-1.76	3,763.6	-188.3	-1.93
8WDBUM	*	3,730.0	-226.1	-2.19	3,816.0	-135.9	-1.39
99NZ8H		3,975.2	19.1	0.18	3,940.6	-11.3	-0.12
B8A46B		3,979.9	23.7	0.23	3,945.4	-6.5	-0.07
BBMYVF	X	4,434.4	478.3	4.64	4,385.4	433.5	4.44
BMLR9D		4,096.4	140.3	1.36	4,103.8	151.9	1.56
C7U8BP	*	3,777.1	-179.0	-1.74	3,860.1	-91.8	-0.94
E3FQHB		3,788.6	-167.5	-1.62	3,783.8	-168.1	-1.72
E4J4F6		3,936.0	-20.1	-0.20	3,916.0	-35.9	-0.37
ER2KV9	X	3,750.4	-205.7	-1.99	3,886.5	-65.4	-0.67
FKE3QC		3,980.0	23.9	0.23	3,974.0	22.1	0.23
FKLZC9		3,848.8	-107.3	-1.04	3,832.4	-119.5	-1.22
FPWB64		3,841.0	-115.2	-1.12	3,812.3	-139.5	-1.43
GJ4MWB		4,014.0	57.9	0.56	3,970.0	18.1	0.19
HBAN8B	*	3,778.0	-178.1	-1.73	3,856.4	-95.5	-0.98
HVTRRE		3,959.4	3.3	0.03	3,897.2	-54.7	-0.56
HYPPR6		4,074.8	118.7	1.15	4,082.2	130.3	1.33
JUVY8E	X	4,364.2	408.1	3.96	4,346.0	394.1	4.04
KHG26W		3,920.4	-35.7	-0.35	3,942.2	-9.7	-0.10
LUK229	X	4,284.5	328.3	3.18	4,325.1	373.2	3.82
MC6X8T		3,936.0	-20.1	-0.20	3,961.4	9.5	0.10
MGDAYZ		4,058.5	102.4	0.99	4,054.4	102.6	1.05

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WebCode	Data Flag	Sample F19 Lab Mean	Sample F19 Diff from Grand Mean	Sample F19 CPV	Sample F20 Lab Mean	Sample F20 Diff from Grand Mean	Sample F20 CPV
MQKVCU		3,945.1	-11.1	-0.11	3,953.8	1.9	0.02
MTRD96		3,763.8	-192.3	-1.86	3,758.8	-193.1	-1.98
N49GVU		3,997.3	41.2	0.40	3,945.1	-6.8	-0.07
N7CCEX		3,933.5	-22.7	-0.22	3,972.6	20.8	0.21
NRUEJ6		4,058.0	101.9	0.99	4,046.0	94.1	0.96
NW86YX		4,021.1	64.9	0.63	4,021.6	69.8	0.71
NX4LCU		4,041.0	84.9	0.82	4,033.0	81.1	0.83
PAQAHD		4,061.1	105.0	1.02	4,061.1	109.2	1.12
PDNV8V	*	4,197.0	240.9	2.33	4,216.6	264.8	2.71
PDNZHX		3,940.0	-16.1	-0.16	3,898.0	-53.9	-0.55
QEF9BY	X	3,950.8	-5.3	-0.05	3,832.2	-119.7	-1.22
QWGW3Y		3,941.0	-15.1	-0.15	3,934.6	-17.3	-0.18
RAH6XL		4,102.0	145.9	1.41	4,092.2	140.3	1.44
RGGG8W	*	3,868.7	-87.4	-0.85	3,783.6	-168.2	-1.72
RPE7WE		4,046.0	89.9	0.87	4,009.2	57.3	0.59
T47K8R		3,935.2	-20.9	-0.20	3,945.8	-6.1	-0.06
TFM8JD		3,916.1	-40.1	-0.39	3,887.0	-64.8	-0.66
THP7VR		4,010.8	54.7	0.53	4,035.7	83.9	0.86
U2GER2		3,865.3	-90.8	-0.88	3,873.1	-78.7	-0.81
UHLRXX		4,016.2	60.1	0.58	3,971.6	19.7	0.20
UNRLRT		3,994.0	37.9	0.37	3,976.0	24.1	0.25
UXKMJ6		3,998.4	42.3	0.41	3,971.4	19.5	0.20
VEW6FU		3,924.2	-31.9	-0.31	3,936.1	-15.8	-0.16
VFYJEN		3,987.7	31.5	0.31	4,021.7	69.9	0.72
VTKYF3		3,983.8	27.7	0.27	3,989.6	37.7	0.39
X4V8VR		3,905.1	-51.0	-0.49	3,892.4	-59.4	-0.61
XTCMNN		3,906.2	-49.9	-0.48	3,916.4	-35.5	-0.36
YKF8CP		4,103.0	146.9	1.42	4,077.8	125.9	1.29
ZLPM9M		4,042.6	86.5	0.84	4,029.7	77.8	0.80

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Summary Statistics	Sample F19	Sample F20
Grand Means	3,956.12 psi	3,951.85 psi
Stnd Dev Btwn Labs	103.16 psi	97.68 psi

Statistics based on 59 of 64 reporting participants

Sample F19: HIPS & Sample F20: HIPS

Comments on Assigned Data Flags for Test #704

JUVY8E (X) - Data for both samples are high. Possible Systematic Error.

QEF9BY (X) - Inconsistent in testing between samples.

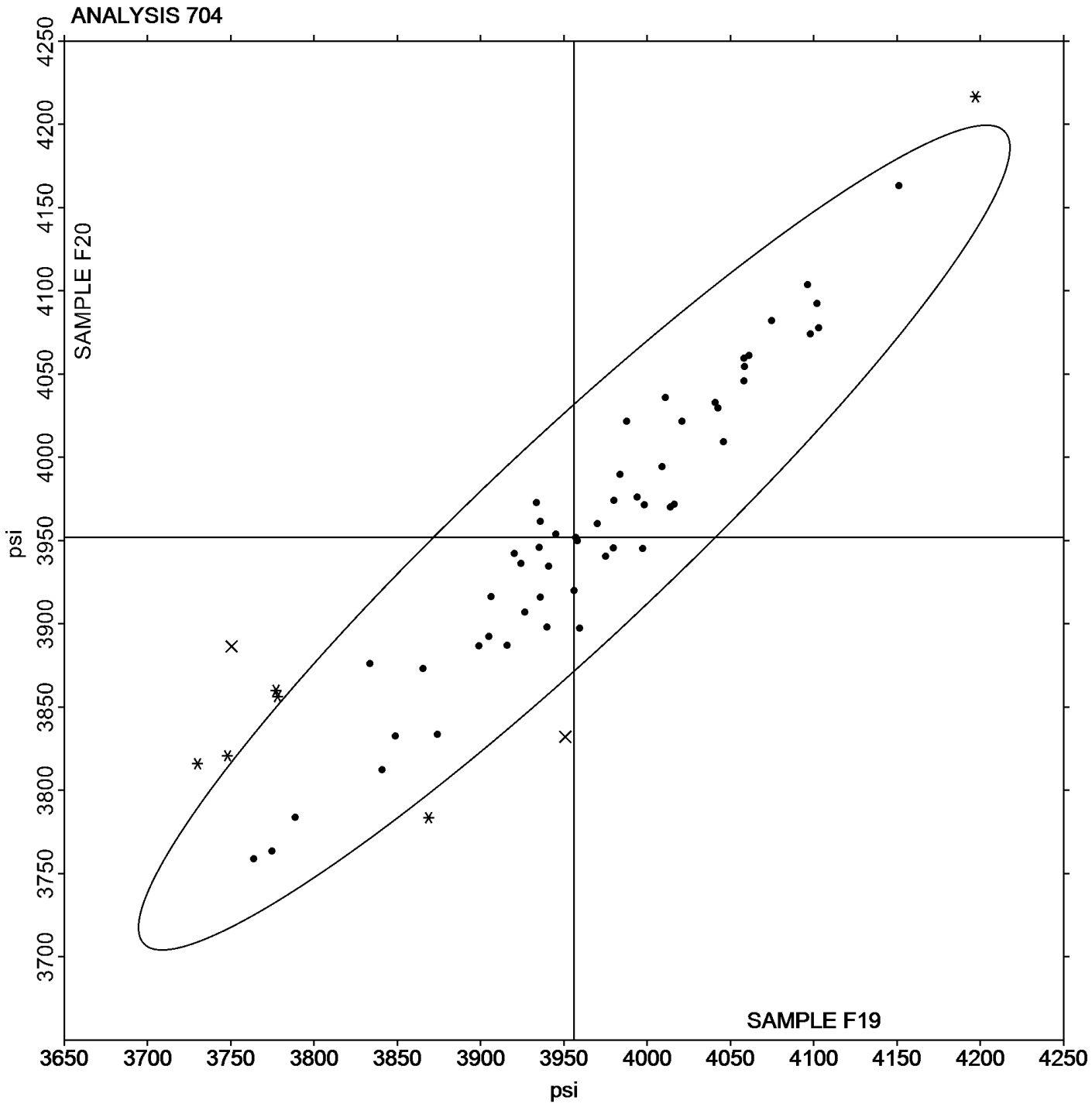
ER2KV9 (X) - Inconsistent in testing between samples.

LUK229 (X) - Data for both samples are high. Possible Systematic Error.

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

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Grand Mean Sample F19: 3,956.12 psi Grand Mean Sample F20: 3,951.85 psi



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WebCode	Data Flag	Sample F19 Lab Mean	Sample F19 Diff from Grand Mean	Sample F19 CPV	Sample F20 Lab Mean	Sample F20 Diff from Grand Mean	Sample F20 CPV
27RXQV		3,247.1	-38.0	-0.38	3,306.3	7.6	0.07
2CXQKQ		3,316.5	31.3	0.31	3,342.0	43.3	0.43
4TF83D		3,151.4	-133.8	-1.34	3,220.0	-78.7	-0.78
67EG2J		3,308.6	23.4	0.24	3,285.0	-13.7	-0.13
78P26E		3,270.0	-15.2	-0.15	3,204.0	-94.7	-0.93
7FFF9K		3,396.2	111.0	1.11	3,438.2	139.5	1.38
7FGCJF		3,338.8	53.6	0.54	3,295.3	-3.4	-0.03
7HMUGB		3,358.2	73.0	0.73	3,414.8	116.1	1.15
7QXW3C		3,323.5	38.4	0.38	3,292.3	-6.4	-0.06
7T4L2E		3,395.0	109.8	1.10	3,484.0	185.3	1.83
87BUJW		3,093.0	-192.2	-1.93	3,133.0	-165.7	-1.63
8WDBUM		3,090.0	-195.2	-1.96	3,202.0	-96.7	-0.95
99NZ8H		3,375.4	90.2	0.90	3,335.2	36.5	0.36
B8A46B		3,233.8	-51.4	-0.52	3,202.2	-96.5	-0.95
BBMYVF	X	3,706.6	421.4	4.23	3,689.6	390.9	3.86
BMLR9D		3,285.0	-0.2	0.00	3,333.2	34.5	0.34
C7U8BP	X	13.5	-3,271.7	-32.81	13.2	-3,285.5	-32.41
E3FQHB		3,117.6	-167.6	-1.68	3,166.4	-132.3	-1.31
E4J4F6		3,286.0	0.8	0.01	3,316.0	17.3	0.17
ER2KV9	*	3,094.3	-190.9	-1.91	3,262.5	-36.2	-0.36
FKE3QC		3,384.0	98.8	0.99	3,404.0	105.3	1.04
FKLZC9		3,092.0	-193.2	-1.94	3,077.2	-221.5	-2.19
FPWB64		3,166.1	-119.1	-1.19	3,134.8	-163.9	-1.62
GJ4MWB		3,396.0	110.8	1.11	3,432.0	133.3	1.31
HBAN8B		3,075.2	-210.0	-2.11	3,182.6	-116.1	-1.15
HVTRRE		3,282.2	-3.0	-0.03	3,231.2	-67.5	-0.67
HYPPR6		3,356.4	71.2	0.71	3,404.6	105.9	1.04
JUVY8E	X	3,606.4	321.2	3.22	3,717.0	418.3	4.13
KHG26W		3,352.2	67.0	0.67	3,285.8	-12.9	-0.13
LUK229	X	3,652.1	366.9	3.68	3,620.2	321.5	3.17
MC6X8T		3,270.2	-15.0	-0.15	3,298.2	-0.5	-0.01
MQKVCU		3,344.6	59.4	0.60	3,344.6	45.9	0.45
MTRD96		3,242.2	-43.0	-0.43	3,167.2	-131.5	-1.30
N49GVU		3,372.7	87.6	0.88	3,294.7	-4.0	-0.04
N7CCEX		3,219.9	-65.3	-0.65	3,312.7	14.0	0.14

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WebCode	Data Flag	Sample F19 Lab Mean	Sample F19 Diff from Grand Mean	Sample F19 CPV	Sample F20 Lab Mean	Sample F20 Diff from Grand Mean	Sample F20 CPV
NRUEJ6		3,278.3	-6.8	-0.07	3,323.4	24.7	0.24
NW86YX		3,253.2	-31.9	-0.32	3,285.4	-13.3	-0.13
NX4LCU		3,247.6	-37.6	-0.38	3,309.4	10.7	0.11
PAQAHD		3,451.9	166.8	1.67	3,422.9	124.2	1.23
PDNV8V	*	3,460.6	175.5	1.76	3,569.1	270.4	2.67
PDNZHX		3,262.0	-23.2	-0.23	3,240.0	-58.7	-0.58
QEF9BY		3,208.4	-76.8	-0.77	3,137.0	-161.7	-1.60
QWGW3Y		3,309.0	23.8	0.24	3,281.6	-17.1	-0.17
RAH6XL		3,428.4	143.2	1.44	3,436.4	137.7	1.36
RGGG8W		3,219.8	-65.4	-0.66	3,197.3	-101.4	-1.00
T47K8R		3,155.0	-130.2	-1.31	3,132.6	-166.1	-1.64
TFM8JD		3,219.9	-65.3	-0.65	3,277.9	-20.8	-0.21
U2GER2		3,335.6	50.4	0.51	3,231.5	-67.2	-0.66
UHLRXX		3,290.8	5.6	0.06	3,266.0	-32.7	-0.32
UNRLRT		3,346.6	61.4	0.62	3,357.8	59.1	0.58
UXKMJ6		3,371.8	86.6	0.87	3,340.4	41.7	0.41
VEW6FU		3,241.9	-43.3	-0.43	3,273.0	-25.8	-0.25
VFYJEN		3,318.6	33.4	0.34	3,386.1	87.4	0.86
VTKYF3		3,351.4	66.2	0.66	3,359.4	60.7	0.60
X4V8VR		3,255.9	-29.3	-0.29	3,291.6	-7.1	-0.07
XTCMNN		3,304.2	19.0	0.19	3,341.6	42.9	0.42
YKF8CP		3,431.8	146.6	1.47	3,450.0	151.3	1.49
ZLPM9M		3,422.0	136.8	1.37	3,418.1	119.4	1.18

Summary Statistics

	Sample F19	Sample F20
Grand Means	3,285.16 psi	3,298.71 psi
Stnd Dev Btwn Labs	99.71 psi	101.37 psi

Statistics based on 54 of 58 reporting participants

Sample F19: HIPS & Sample F20: HIPS

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Comments on Assigned Data Flags for Test #705

C7U8BP (X) - Extreme data.

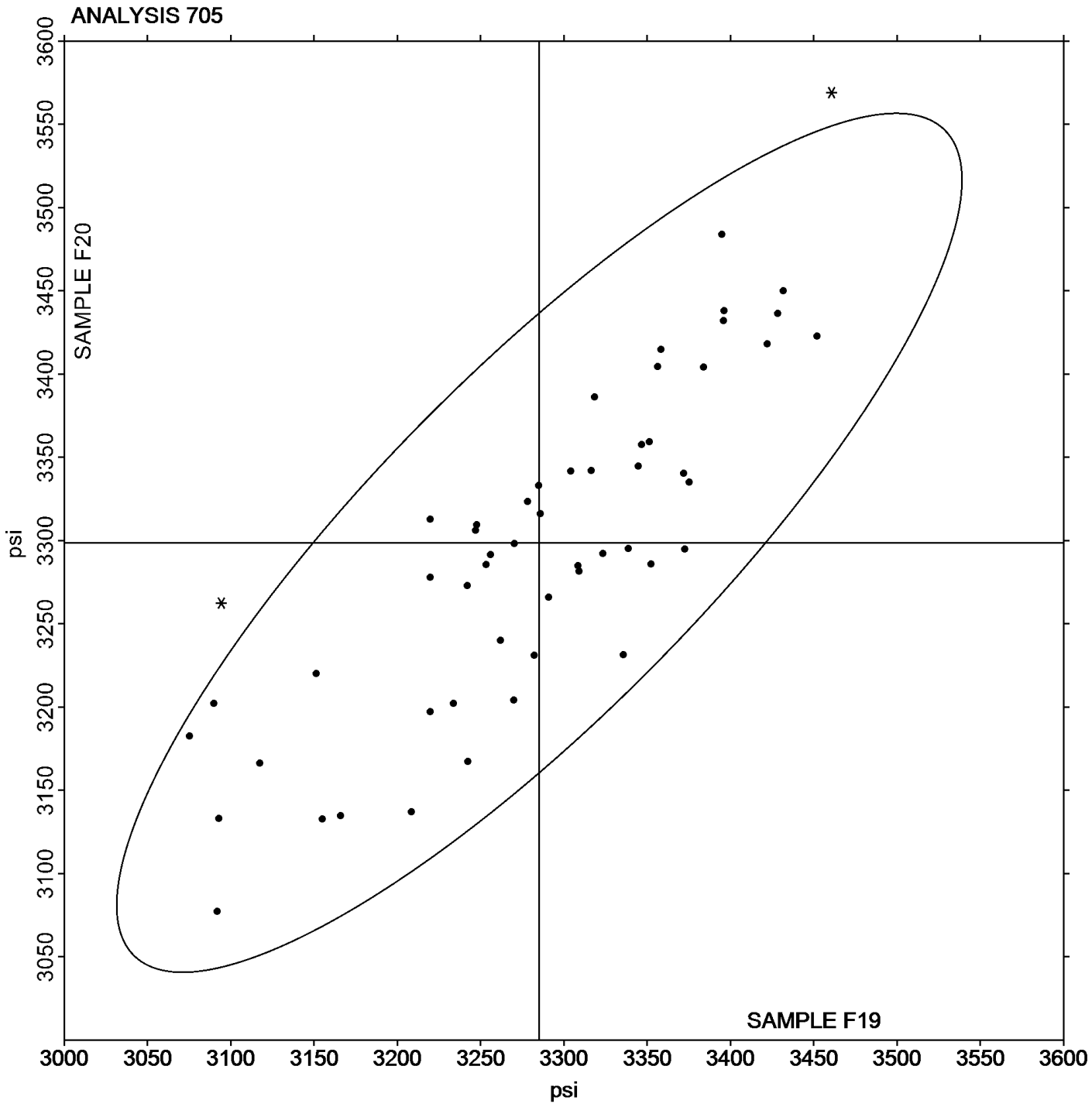
JUVY8E (X) - Data for both samples are high. Possible Systematic Error.

LUK229 (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of sample F20.

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

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Grand Mean Sample F19: 3,285.16 psi Grand Mean Sample F20: 3,298.71 psi



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WebCode	Data Flag	Sample F19 Lab Mean	Sample F19 Diff from Grand Mean	Sample F19 CPV	Sample F20 Lab Mean	Sample F20 Diff from Grand Mean	Sample F20 CPV
27RXQV		1.390	0.051	0.84	1.396	0.055	0.86
2CXQKQ		1.252	-0.087	-1.43	1.260	-0.081	-1.26
4FR8AQ		1.326	-0.013	-0.21	1.352	0.011	0.17
4TF83D		1.234	-0.105	-1.72	1.266	-0.075	-1.16
67EG2J		1.334	-0.005	-0.08	1.336	-0.005	-0.07
78P26E	X	1.442	0.103	1.69	1.364	0.023	0.36
7FFF9K		1.376	0.037	0.61	1.396	0.055	0.86
7FGCJF		1.374	0.035	0.58	1.370	0.029	0.45
7HMUGB	X	1.570	0.231	3.80	1.552	0.211	3.29
7QXW3C		1.327	-0.012	-0.19	1.342	0.001	0.01
7T4L2E	X	3.906	2.567	42.18	3.942	2.601	40.47
87BUJW		1.227	-0.112	-1.84	1.211	-0.129	-2.01
8WDBUM		1.294	-0.045	-0.74	1.314	-0.027	-0.42
99NZ8H		1.348	0.009	0.15	1.350	0.009	0.14
B8A46B		1.364	0.025	0.41	1.360	0.019	0.30
BMLR9D	X	1.136	-0.203	-3.33	1.188	-0.153	-2.38
C7U8BP	X	52.218	50.880	835.91	52.976	51.635	803.36
E3FQHB		1.273	-0.066	-1.09	1.252	-0.089	-1.38
E4J4F6		1.368	0.029	0.48	1.378	0.037	0.58
ER2KV9	X	0.999	-0.340	-5.58	1.020	-0.321	-4.99
FKE3QC		1.296	-0.043	-0.70	1.284	-0.057	-0.88
FKLZC9		1.338	-0.001	-0.01	1.368	0.027	0.42
FPWB64		1.334	-0.005	-0.08	1.318	-0.023	-0.35
GJ4MWB		1.288	-0.051	-0.84	1.268	-0.073	-1.13
HVTRRE		1.322	-0.017	-0.28	1.324	-0.017	-0.26
HYPPR6		1.358	0.019	0.31	1.366	0.025	0.39
JUVY8E		1.416	0.077	1.27	1.392	0.051	0.80
KHG26W		1.220	-0.119	-1.95	1.236	-0.105	-1.63
LUK229	*	1.526	0.187	3.07	1.531	0.190	2.96
MC6X8T	*	1.245	-0.094	-1.54	1.206	-0.135	-2.09
MGDAYZ	*	1.418	0.079	1.30	1.470	0.129	2.01
MQKVCU		1.360	0.021	0.35	1.364	0.023	0.36
MTRD96	X	1.302	-0.037	-0.61	1.384	0.043	0.67
N49GVU		1.297	-0.042	-0.69	1.279	-0.062	-0.96
N7CCEX		1.480	0.141	2.32	1.464	0.123	1.92

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WebCode	Data Flag	Sample F19 Lab Mean	Sample F19 Diff from Grand Mean	Sample F19 CPV	Sample F20 Lab Mean	Sample F20 Diff from Grand Mean	Sample F20 CPV
NRUEJ6		1.336	-0.003	-0.05	1.364	0.023	0.36
NW86YX		1.380	0.041	0.68	1.388	0.047	0.73
NX4LCU		1.344	0.005	0.08	1.330	-0.011	-0.17
PAQAHD	*	1.308	-0.031	-0.51	1.366	0.025	0.39
PDNV8V	X	0.878	-0.461	-7.57	0.878	-0.463	-7.20
PDNZHX		1.280	-0.059	-0.97	1.266	-0.075	-1.16
QEF9BY		1.358	0.019	0.31	1.368	0.027	0.42
QWGW3Y		1.292	-0.047	-0.77	1.284	-0.057	-0.88
RAH6XL		1.376	0.037	0.61	1.384	0.043	0.67
RGGG8W		1.366	0.027	0.45	1.386	0.045	0.70
T47K8R		1.341	0.002	0.04	1.342	0.001	0.02
TFM8JD		1.340	0.001	0.02	1.342	0.001	0.02
THP7VR		1.375	0.036	0.59	1.383	0.042	0.65
U2GER2		1.332	-0.007	-0.11	1.332	-0.009	-0.14
UHLRXX		1.360	0.021	0.35	1.340	-0.001	-0.01
UNRLRT		1.428	0.089	1.46	1.398	0.057	0.89
UXKMJ6		1.336	-0.003	-0.05	1.348	0.007	0.11
VEW6FU		1.392	0.053	0.87	1.396	0.055	0.86
VFYJEN		1.356	0.017	0.28	1.350	0.009	0.14
VTKYF3		1.398	0.059	0.97	1.406	0.065	1.02
X4V8VR		1.250	-0.089	-1.47	1.264	-0.077	-1.19
XTCMNN		1.382	0.043	0.71	1.348	0.007	0.11
YKF8CP		1.271	-0.067	-1.11	1.265	-0.076	-1.18
ZLPM9M		1.298	-0.041	-0.68	1.276	-0.065	-1.00

Summary Statistics

	Sample F19	Sample F20
Grand Means	1.3389 Percent	1.3408 Percent
Stnd Dev Btwn Labs	0.0609 Percent	0.0643 Percent

Statistics based on 51 of 59 reporting participants

Sample F19: HIPS & Sample F20: HIPS

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Comments on Assigned Data Flags for Test #706

C7U8BP (X) - Extreme data.

MTRD96 (X) - Inconsistent in testing between samples.

ER2KV9 (X) - Data for both samples are low. Possible Systematic Error.

7HMUGB (X) - Data for both samples are high. Possible Systematic Error.

BMLR9D (X) - Data for sample F19 are low. Inconsistent within the determinations of both samples.

7T4L2E (X) - Extreme data.

PDNV8V (X) - Data for both samples are low. Possible Systematic Error.

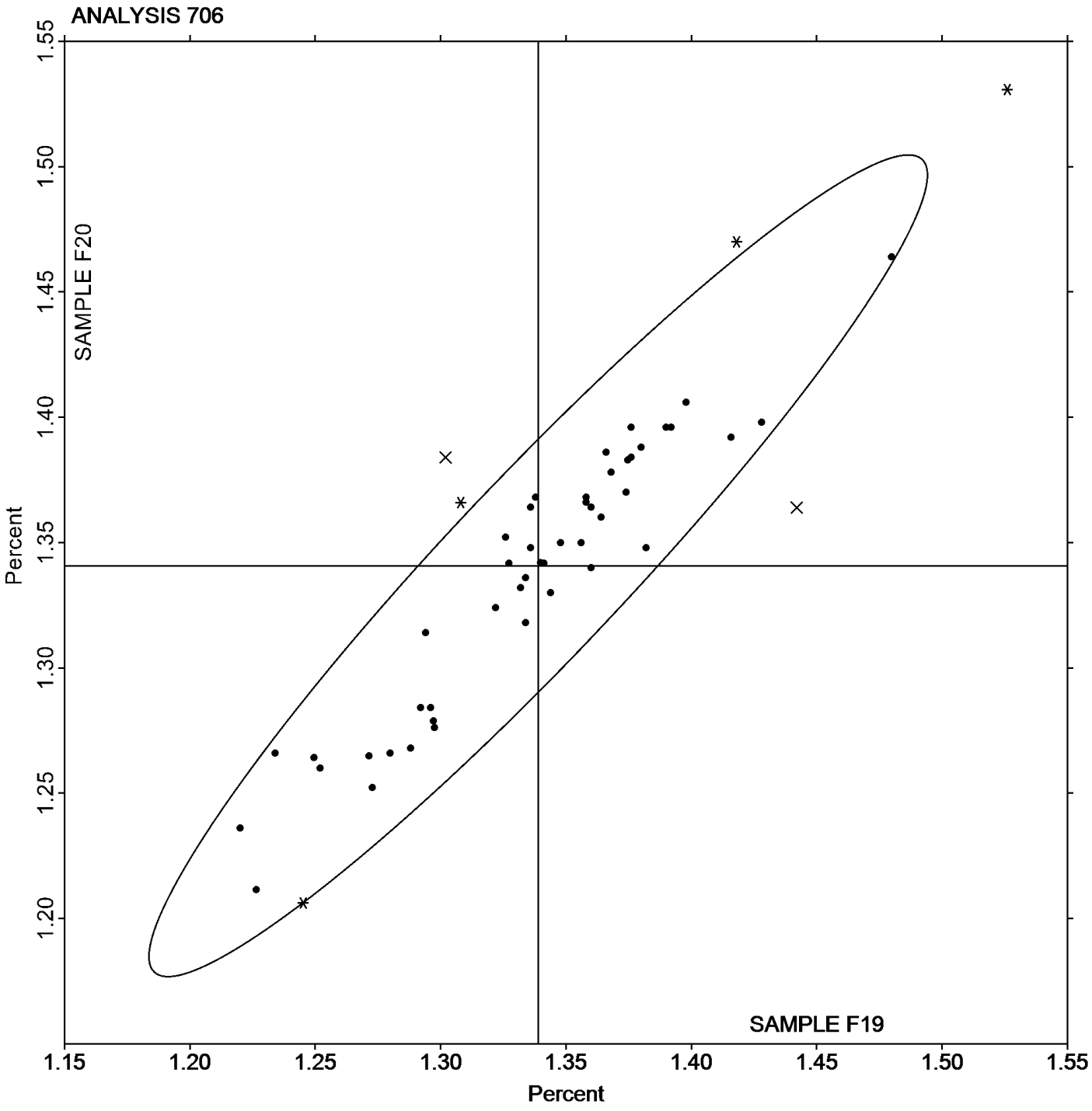
78P26E (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample F20.

Results by Methodology (as reported by laboratory)

	Sample F19 *HIPS*			Sample F20 *HIPS*			
Test Methodology	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	Labs Incl / Rpt
contact extensometer to measure elongation	1.3544	0.0574	0.016	1.3586	0.0583	0.018	37/41
crosshead deflection/movement	1.3340	0.0260	-0.005	1.3493	0.0272	0.009	3/6
video extensometer	1.2880	0.0529	-0.051	1.2783	0.0528	-0.063	11/12

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Grand Mean Sample F19: 1.3389 Percent Grand Mean Sample F20: 1.3408 Percent



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WebCode	Data Flag	Sample F19 Lab Mean	Sample F19 Diff from Grand Mean	Sample F19 CPV	Sample F20 Lab Mean	Sample F20 Diff from Grand Mean	Sample F20 CPV
2CXQKQ	*	345.89	3.90	0.29	331.45	-10.20	-0.75
4FR8AQ		344.80	2.81	0.21	345.00	3.35	0.25
4TF83D		354.62	12.63	0.93	358.22	16.57	1.22
67EG2J		330.07	-11.92	-0.87	332.32	-9.33	-0.69
78P26E	X	397.60	55.61	4.08	400.40	58.75	4.32
7FFF9K		343.66	1.67	0.12	342.08	0.43	0.03
7FGCJF	X	339.86	-2.13	-0.16	363.99	22.34	1.64
7HMUGB	*	301.80	-40.19	-2.95	303.20	-38.45	-2.83
7QXW3C		337.40	-4.58	-0.34	336.54	-5.10	-0.38
7T4L2E	X	141.00	-200.99	-14.74	139.60	-202.05	-14.86
87BUJW		325.80	-16.18	-1.19	327.27	-14.38	-1.06
8WDBUM	X	34.36	-307.63	-22.56	34.76	-306.89	-22.57
99NZ8H		347.66	5.67	0.42	342.52	0.87	0.06
B8A46B		329.69	-12.29	-0.90	329.41	-12.24	-0.90
C7U8BP	X	64.39	-277.60	-20.35	64.54	-277.10	-20.38
E3FQHB	*	352.12	10.14	0.74	365.02	23.38	1.72
E4J4F6		327.20	-14.79	-1.08	327.60	-14.05	-1.03
ER2KV9	X	3.09	-338.89	-24.85	3.26	-338.38	-24.89
FKE3QC		353.70	11.71	0.86	354.48	12.83	0.94
FKLZC9		336.80	-5.19	-0.38	336.68	-4.97	-0.37
FPWB64		326.33	-15.66	-1.15	328.73	-12.92	-0.95
GJ4MWB		353.60	11.61	0.85	353.44	11.80	0.87
HVTRRE		355.64	13.65	1.00	349.83	8.18	0.60
HYPPR6		343.36	1.37	0.10	344.10	2.45	0.18
JUVY8E	*	375.28	33.29	2.44	365.72	24.07	1.77
KHG26W		345.16	3.17	0.23	348.88	7.23	0.53
LUK229		358.07	16.09	1.18	359.70	18.05	1.33
MC6X8T		353.60	11.61	0.85	363.60	21.95	1.61
MGDAYZ		338.12	-3.87	-0.28	333.16	-8.48	-0.62
MQKVCU		343.16	1.18	0.09	335.62	-6.03	-0.44
MTRD96		330.88	-11.11	-0.81	330.68	-10.97	-0.81
N49GVU		343.45	1.47	0.11	354.48	12.83	0.94
N7CCEX		311.83	-30.15	-2.21	315.02	-26.62	-1.96
NRUEJ6		336.60	-5.39	-0.40	331.00	-10.65	-0.78
NW86YX		331.23	-10.75	-0.79	329.92	-11.72	-0.86

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WebCode	Data Flag	Sample F19 Lab Mean	Sample F19 Diff from Grand Mean	Sample F19 CPV	Sample F20 Lab Mean	Sample F20 Diff from Grand Mean	Sample F20 CPV
NX4LCU		333.86	-8.13	-0.60	333.50	-8.15	-0.60
PAQAHD		363.12	21.13	1.55	360.57	18.92	1.39
PDNV8V	X	555.80	213.81	15.68	550.79	209.15	15.38
PDNZHX	M	No data reported for this sample			321.22	-20.43	-1.50
QEF9BY	X	318.18	-23.81	-1.75	300.90	-40.75	-3.00
QWGW3Y		359.36	17.37	1.27	359.76	18.11	1.33
RAH6XL		352.58	10.59	0.78	348.34	6.69	0.49
RGGG8W	X	312.70	-29.29	-2.15	295.51	-46.13	-3.39
T47K8R		344.18	2.19	0.16	343.82	2.18	0.16
TFM8JD		341.27	-0.71	-0.05	340.23	-1.42	-0.10
THP7VR		345.62	3.63	0.27	346.27	4.63	0.34
U2GER2		335.94	-6.05	-0.44	338.46	-3.18	-0.23
UHLRXX		334.66	-7.33	-0.54	335.68	-5.97	-0.44
UNRLRT		320.20	-21.79	-1.60	320.40	-21.25	-1.56
UXKMJ6		350.62	8.63	0.63	348.80	7.15	0.53
VEW6FU		323.73	-18.26	-1.34	324.77	-16.87	-1.24
VFYJEN		353.62	11.64	0.85	349.11	7.46	0.55
VTKYF3		350.96	8.97	0.66	345.72	4.07	0.30
X4V8VR		353.01	11.02	0.81	354.22	12.58	0.92
XTCMNN		337.29	-4.70	-0.34	333.91	-7.74	-0.57
YKF8CP		343.54	1.55	0.11	349.79	8.15	0.60
ZLPM9M		352.28	10.29	0.75	348.35	6.70	0.49

Summary Statistics

	Sample F19	Sample F20
Grand Means	341.987 ksi	341.646 ksi
Stnd Dev Btwn Labs	13.638 ksi	13.596 ksi

Statistics based on 47 of 57 reporting participants

Sample F19: HIPS & Sample F20: HIPS

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Comments on Assigned Data Flags for Test #708

C7U8BP (X) - Extreme data.

QEF9BY (X) - Data for sample F20 are low. Inconsistent within the determinations of sample F20.

7FGCJF (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample F20.

ER2KV9 (X) - Extreme data.

RGGG8W (X) - Data for sample F20 are low.

PDNZHX (M) - Participant did not submit data for sample F19.

7T4L2E (X) - Data for both samples are low. Possible Systematic Error.

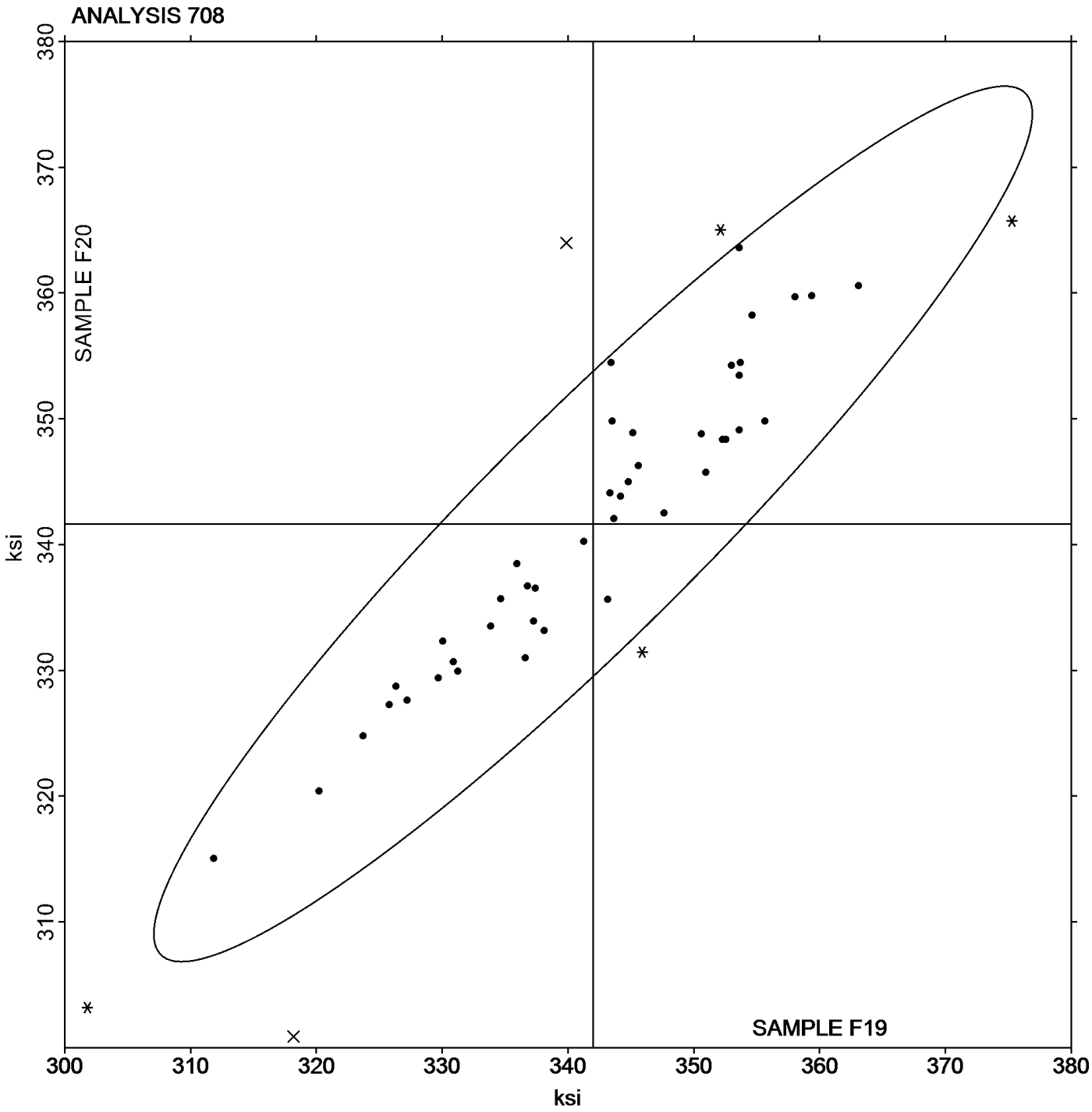
PDNV8V (X) - Data for both samples are high. Possible Systematic Error.

78P26E (X) - Data for both samples are high. Possible Systematic Error.

8WDBUM (X) - Extreme data.

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Grand Mean Sample F19: 341.99 ksi Grand Mean Sample F20: 341.65 ksi



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WebCode	Data Flag	Sample E19 Lab Mean	Sample E19 Diff from Grand Mean	Sample E19 CPV	Sample E20 Lab Mean	Sample E20 Diff from Grand Mean	Sample E20 CPV	Instr Code
27RXQV		83.45	0.76	0.63	83.68	0.91	0.74	TO
2CXQKQ		83.55	0.86	0.71	83.33	0.56	0.46	IN
4FR8AQ		81.20	-1.49	-1.22	81.28	-1.49	-1.22	TO
4TF83D	X	72.83	-9.86	-8.11	73.13	-9.64	-7.89	TO
7GCVKG	*	79.13	-3.56	-2.92	79.17	-3.60	-2.95	CF
7HMUGB		84.20	1.51	1.24	84.75	1.98	1.62	AT
8WDBUM		83.06	0.37	0.30	83.62	0.85	0.70	TO
B8A46B		82.05	-0.64	-0.53	82.10	-0.67	-0.55	TY
E6PLCF		83.20	0.51	0.42	83.20	0.43	0.35	CE
EEZNZ2		82.83	0.14	0.11	82.60	-0.17	-0.14	CS
FPWB64		83.53	0.84	0.69	83.73	0.96	0.78	IN
GBQKZA		83.00	0.31	0.26	82.73	-0.04	-0.04	TO
HVTRRE		84.23	1.54	1.26	84.20	1.43	1.17	CE
KHG26W		83.23	0.54	0.44	83.15	0.38	0.31	IN
N49GVU	X	89.78	7.09	5.83	89.55	6.78	5.55	ZW
N7CCEX		82.68	-0.01	-0.01	82.95	0.18	0.15	TO
NW86YX		81.60	-1.09	-0.90	81.80	-0.97	-0.79	TY
PAQAHD		81.28	-1.41	-1.16	81.33	-1.44	-1.18	TO
QWGW3Y		83.61	0.92	0.76	83.30	0.53	0.43	ZW
RPE7WE		83.31	0.62	0.51	83.26	0.49	0.40	IN
U2GER2	X	82.98	0.29	0.24	84.35	1.58	1.29	IN
VFYJEN		83.10	0.41	0.34	83.13	0.36	0.29	IN
VTKYF3		83.03	0.34	0.28	83.20	0.43	0.35	IN
YDFXT4		81.23	-1.46	-1.20	81.68	-1.09	-0.90	IN

Summary Statistics

	Sample E19	Sample E20
Grand Means	82.689 Degrees C	82.769 Degrees C
Stnd Dev Btwn Labs	1.216 Degrees C	1.222 Degrees C

Statistics based on 21 of 24 reporting participants

Sample E19: ABS & Sample E20: ABS

Comments on Assigned Data Flags for Test #710

U2GER2 (X) - Inconsistent in testing between samples.

N49GVU (X) - Data for both samples are high. Possible Systematic Error.

4TF83D (X) - Data for both samples are low. Possible Systematic Error.

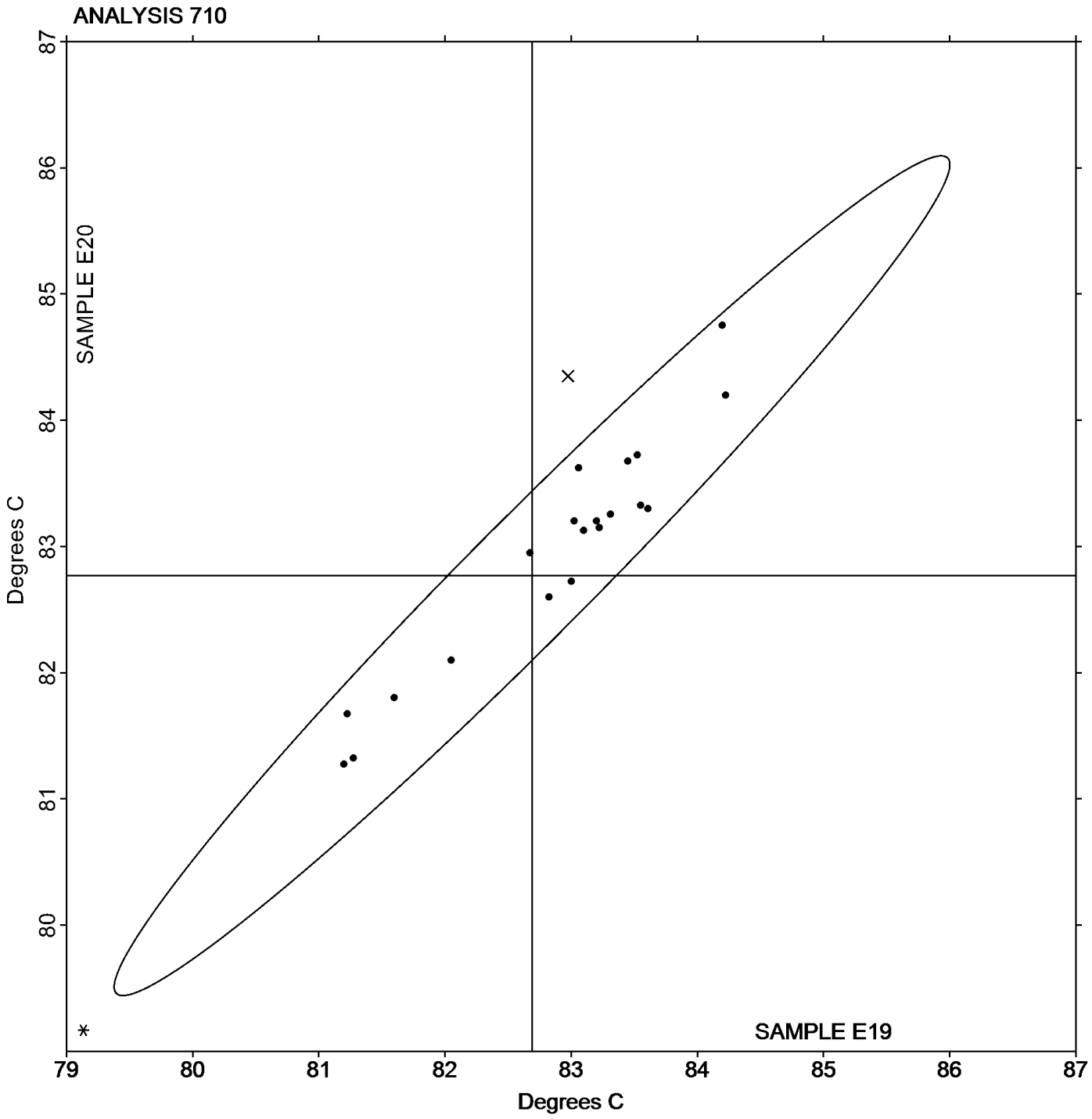
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Key to Instrument Codes Reported by Participants

AT	Atlas	CE	Ceast
CF	Coesfeld	CS	CSI
IN	Instron	TO	Tinius Olsen
TY	Toyoseiki	ZW	Zwick

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Grand Mean Sample E19: 82.689 Degrees C Grand Mean Sample E20: 82.769 Degrees C



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WebCode	Data Flag	Sample G19 Lab Mean	Sample G19 Diff from Grand Mean	Sample G19 CPV	Sample G20 Lab Mean	Sample G20 Diff from Grand Mean	Sample G20 CPV	Instr Code
27RXQV		89.3	-5.5	-1.78	88.4	-6.1	-2.02	TO
2CXQKQ		96.3	1.6	0.51	97.0	2.5	0.84	IN
3D74Z8		92.8	-1.9	-0.62	93.5	-1.0	-0.33	XX
3K3VBM		91.4	-3.3	-1.09	93.3	-1.2	-0.39	XX
4FR8AQ		91.3	-3.4	-1.11	90.9	-3.6	-1.21	TO
78P26E		98.3	3.6	1.17	97.3	2.8	0.94	RR
7GCVKG		97.5	2.7	0.89	97.7	3.2	1.07	CE
8WDBUM	M	94.3	-0.4	-0.13	No data reported for this sample			XX
GBQKZA		97.2	2.5	0.81	96.7	2.2	0.75	TO
HVTRRE		94.9	0.2	0.07	95.6	1.1	0.38	CE
N7CCEX		99.6	4.9	1.59	96.9	2.4	0.81	TO
PAQAHD		92.8	-2.0	-0.64	90.7	-3.8	-1.26	TO
RPE7WE		95.1	0.4	0.12	96.5	2.0	0.68	IN
VFYJEN		95.0	0.3	0.08	93.7	-0.8	-0.25	IN

Summary Statistics

	Sample G19	Sample G20
Grand Means	94.72 Degrees C	94.48 Degrees C
Stnd Dev Btwn Labs	3.07 Degrees C	3.01 Degrees C

Statistics based on 13 of 14 reporting participants

Sample G19: PP & Sample G20: PP

Comments on Assigned Data Flags for Test #711

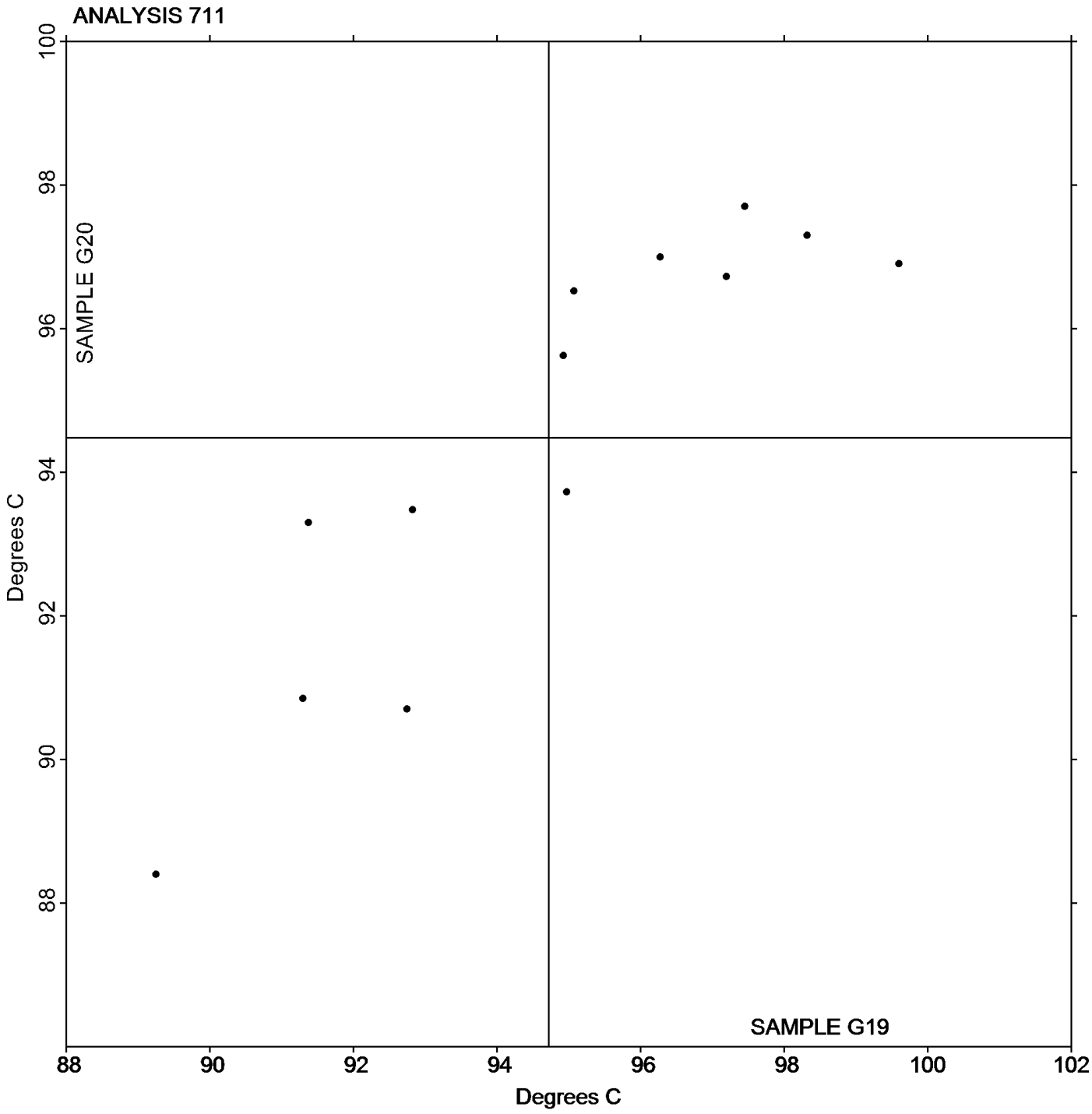
8WDBUM (M) - Participant did not submit data for sample G20.

Key to Instrument Codes Reported by Participants

CE	Ceast	IN	Instron
RR	Ray-Ran	TO	Tinius Olsen
XX	Instrument manufacturer not specified by lab		

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Grand Mean Sample G19: 94.717 Degrees C Grand Mean Sample G20: 94.479 Degrees C



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

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WebCode	Data Flag	Sample N19 Lab Mean	Sample N19 Diff from Grand Mean	Sample N19 CPV	Sample N20 Lab Mean	Sample N20 Diff from Grand Mean	Sample N20 CPV	Instr Code
22CMED	*	83.40	2.51	3.03	83.30	2.45	2.98	TY
27RXQV		82.05	1.16	1.40	81.65	0.80	0.97	IN
2CXQKQ		81.35	0.46	0.56	81.25	0.40	0.49	IN
2QZZQL		80.75	-0.14	-0.17	80.95	0.10	0.12	IN
3D74Z8		80.93	0.04	0.04	80.95	0.10	0.12	XX
3K3VBM		80.90	0.01	0.01	81.03	0.17	0.21	XX
67VRXR		81.20	0.31	0.38	81.13	0.27	0.33	TO
7GCVKG		82.05	1.16	1.40	82.10	1.25	1.52	CF
7HMUGB		81.45	0.56	0.68	81.33	0.47	0.58	AT
8TLXFD		81.28	0.39	0.47	81.36	0.50	0.61	ZW
8WDBUM		81.58	0.69	0.83	81.52	0.67	0.82	TO
9LEX9F		81.10	0.21	0.26	81.15	0.30	0.36	XX
B8A46B		79.98	-0.91	-1.10	79.53	-1.33	-1.61	TY
CYDNTB	X	79.40	-1.49	-1.80	81.33	0.47	0.58	CE
D392RK		80.75	-0.14	-0.17	80.73	-0.13	-0.15	CE
DUEWXJ		80.60	-0.29	-0.35	80.05	-0.80	-0.97	TO
DXXQYQ		81.15	0.26	0.32	81.15	0.30	0.36	XX
EDKNDQ		80.45	-0.44	-0.53	80.58	-0.28	-0.34	CE
FPWB64		81.30	0.41	0.50	81.45	0.60	0.73	IN
G9FN76	*	81.23	0.34	0.41	81.75	0.90	1.09	IN
GF2VT4		81.18	0.29	0.35	81.20	0.35	0.43	IN
HNBJ4H		80.40	-0.49	-0.59	80.36	-0.49	-0.59	TO
HVTRRE		78.78	-2.11	-2.55	78.88	-1.98	-2.40	CE
J2CFZP		80.48	-0.41	-0.50	80.38	-0.48	-0.58	ZW
J86EG6		81.75	0.86	1.04	81.43	0.57	0.70	CE
LU6W92		80.00	-0.89	-1.07	79.93	-0.93	-1.13	TO
LYDXQY	X	48.30	-32.59	-39.34	48.35	-32.50	-39.54	XX
M2FHQ4		80.98	0.09	0.10	80.73	-0.13	-0.15	XX
N7CCEX		81.55	0.66	0.80	81.58	0.72	0.88	TO
NW86YX		79.80	-1.09	-1.31	79.63	-1.23	-1.49	TY
P6AYG3		80.58	-0.31	-0.38	80.38	-0.48	-0.58	TO
PBMPUB		80.50	-0.39	-0.47	80.30	-0.55	-0.67	CE
R8DJ6E		80.43	-0.46	-0.56	80.35	-0.50	-0.61	TO
RPE7WE		81.86	0.97	1.18	81.66	0.81	0.98	IN
U2GER2		80.40	-0.49	-0.59	80.68	-0.18	-0.21	IN

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WebCode	Data Flag	Sample N19 Lab Mean	Sample N19 Diff from Grand Mean	Sample N19 CPV	Sample N20 Lab Mean	Sample N20 Diff from Grand Mean	Sample N20 CPV	Instr Code
U6HFRX		79.73	-1.16	-1.40	79.98	-0.88	-1.07	CE
UATQJT		81.75	0.86	1.04	81.50	0.65	0.79	CF
UXKMJ6		80.20	-0.69	-0.83	80.45	-0.40	-0.49	ZW
VFYJEN		80.55	-0.34	-0.41	80.73	-0.13	-0.15	IN
VTKYF3		80.73	-0.16	-0.20	80.65	-0.20	-0.24	IN
YAC3AZ	X	74.50	-6.39	-7.71	74.98	-5.88	-7.15	IN
ZJH8ZV		79.55	-1.34	-1.62	79.50	-1.35	-1.64	TO

Summary Statistics

	Sample N19	Sample N20
Grand Means	80.888 Degrees C	80.851 Degrees C
Stnd Dev Btwn Labs	0.828 Degrees C	0.822 Degrees C

Statistics based on 39 of 42 reporting participants

Sample N19: ABS & Sample N20: ABS

Comments on Assigned Data Flags for Test #712

YAC3AZ (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of both samples.

CYDNTB (X) - Inconsistent in testing between samples.

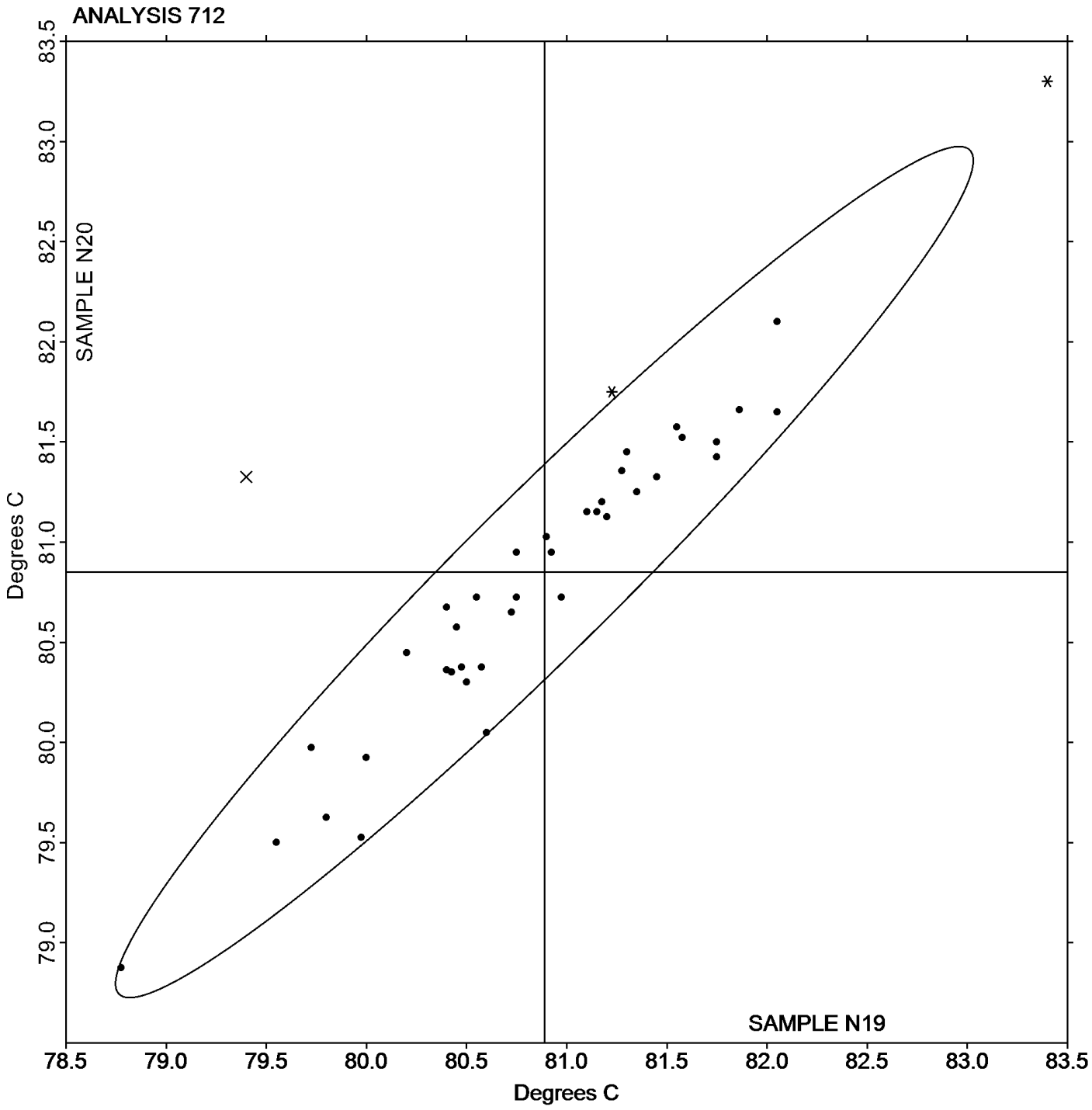
LYDXQY (X) - Extreme data.

Key to Instrument Codes Reported by Participants

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

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Grand Mean Sample N19: 80.888 Degrees C Grand Mean Sample N20: 80.851 Degrees C



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WebCode	Data Flag	Sample H19 Lab Mean	Sample H19 Diff from Grand Mean	Sample H19 CPV	Sample H20 Lab Mean	Sample H20 Diff from Grand Mean	Sample H20 CPV	Instr Code
2CXQKQ		103.95	1.45	0.71	104.37	1.83	0.87	CF
2UYCML		103.08	0.58	0.28	102.75	0.21	0.10	IN
4TF83D		97.25	-5.25	-2.55	97.32	-5.22	-2.50	TO
7GCVKG		104.03	1.53	0.75	104.03	1.49	0.71	CF
7HMUGB		104.17	1.67	0.81	103.97	1.43	0.68	AT
8WDBUM	M	103.89	1.39	0.67	No data reported for this sample			TO
B8A46B		102.80	0.30	0.15	102.82	0.28	0.13	TY
CYDNTB		103.28	0.79	0.38	104.07	1.53	0.73	CE
DUVQYU	*	96.13	-6.36	-3.09	96.03	-6.51	-3.11	CE
EDKNDQ		102.40	-0.10	-0.05	102.43	-0.11	-0.05	CE
FPWB64		103.20	0.70	0.34	103.13	0.59	0.28	IN
GCJB7N		102.93	0.44	0.21	102.97	0.43	0.20	WZ
HVTRRE		102.58	0.08	0.04	102.67	0.13	0.06	CE
J2CFZP		102.73	0.23	0.11	102.70	0.16	0.08	WZ
J86EG6		103.92	1.42	0.69	103.62	1.08	0.51	CF
N7CCEX		102.75	0.25	0.12	103.50	0.96	0.46	TO
PAQAHD		103.00	0.50	0.24	103.00	0.46	0.22	TO
TXG4V2		103.30	0.80	0.39	103.10	0.56	0.27	CE
U2GER2		102.75	0.25	0.12	102.67	0.13	0.06	AT
VFYJEN		102.98	0.48	0.24	102.97	0.43	0.20	IN
XTA4NR		102.72	0.22	0.11	102.72	0.18	0.08	IN

Summary Statistics

	Sample H19	Sample H20
Grand Means	102.498 Degrees C	102.541 Degrees C
Stnd Dev Btwn Labs	2.057 Degrees C	2.091 Degrees C

Statistics based on 20 of 21 reporting participants

Sample H19: ABS & Sample H20: ABS

Comments on Assigned Data Flags for Test #715

8WDBUM (M) - Participant did not submit data for sample H20.

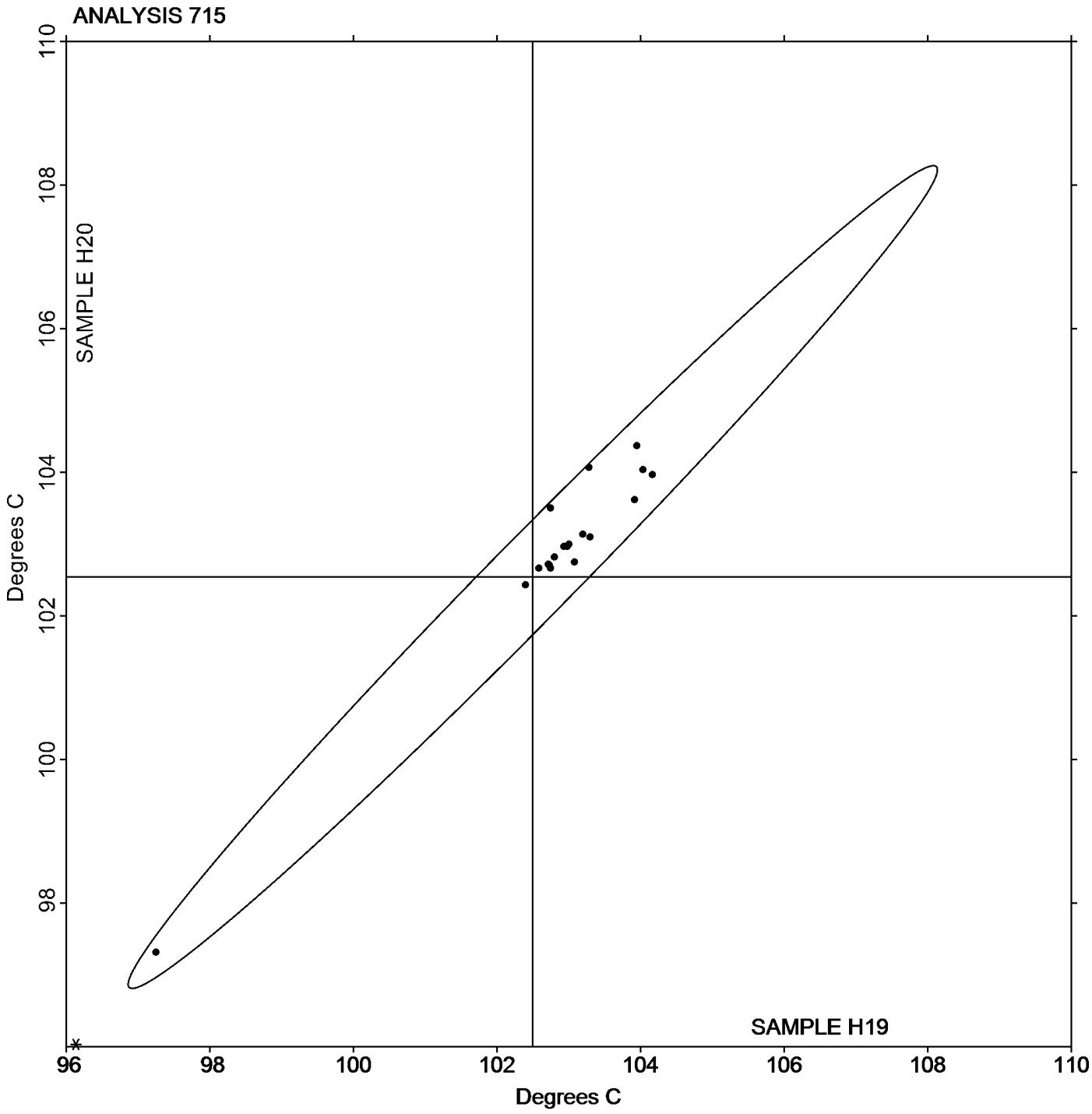
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Key to Instrument Codes Reported by Participants

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

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Grand Mean Sample H19: 102.50 Degrees C Grand Mean Sample H20: 102.54 Degrees C



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WebCode	Data Flag	Sample R19 Lab Mean	Sample R19 Diff from Grand Mean	Sample R19 CPV	Sample R20 Lab Mean	Sample R20 Diff from Grand Mean	Sample R20 CPV	Instr Code
27RXQV		105.83	1.61	0.62	105.77	1.48	0.56	IN
2CXQKQ		105.35	1.12	0.43	105.38	1.09	0.41	CF
2UYCML		105.35	1.12	0.43	104.73	0.44	0.17	IN
4TF83D		98.12	-6.11	-2.35	98.15	-6.14	-2.33	TO
7GCVKG		106.17	1.94	0.75	106.20	1.91	0.72	CF
7HMUGB		106.70	2.47	0.95	106.63	2.34	0.89	AT
8WDBUM	M	No data reported for this sample			105.77	1.48	0.56	TO
8YM8NR		106.00	1.77	0.68	106.00	1.71	0.65	QA
B8A46B		102.43	-1.79	-0.69	102.67	-1.62	-0.62	TY
CYDNTB		105.50	1.27	0.49	106.28	1.99	0.75	CE
DUVQYU	*	96.15	-8.08	-3.10	96.02	-8.27	-3.13	CE
EDKNDQ		103.95	-0.28	-0.11	103.95	-0.34	-0.13	CE
FPWB64		105.00	0.77	0.30	105.05	0.76	0.29	IN
GCJB7N		104.77	0.54	0.21	104.78	0.49	0.19	WZ
J2CFZP		104.92	0.69	0.27	104.80	0.51	0.19	WZ
J86EG6		105.12	0.89	0.34	105.08	0.79	0.30	CF
N7CCEX	*	104.50	0.27	0.11	105.50	1.21	0.46	TO
PAQAHD		104.83	0.61	0.23	104.83	0.54	0.21	TO
U2GER2		104.50	0.27	0.11	104.60	0.31	0.12	AT
VFYJEN		104.90	0.67	0.26	104.92	0.63	0.24	IN
XTA4NR		104.43	0.21	0.08	104.47	0.18	0.07	IN

Summary Statistics

	Sample R19	Sample R20
Grand Means	104.226 Degrees C	104.291 Degrees C
Stnd Dev Btwn Labs	2.603 Degrees C	2.641 Degrees C

Statistics based on 20 of 21 reporting participants

Sample R19: ABS & Sample R20: ABS

Comments on Assigned Data Flags for Test #716

8WDBUM (M) - Participant did not submit data for sample R19.

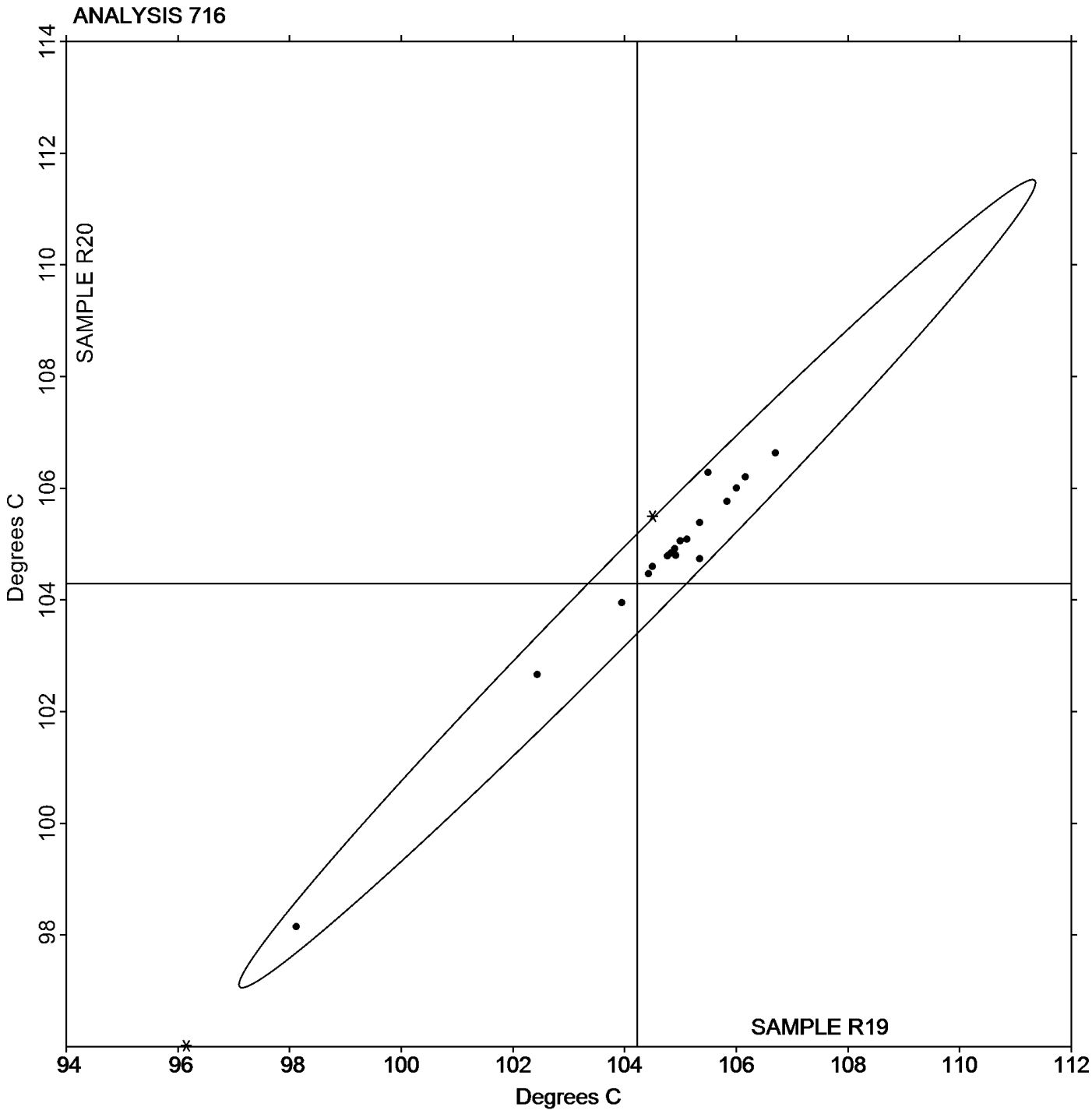
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Key to Instrument Codes Reported by Participants

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

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Grand Mean Sample R19: 104.23 Degrees C Grand Mean Sample R20: 104.29 Degrees C



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WebCode	Data Flag	Sample T19 Lab Mean	Sample T19 Diff from Grand Mean	Sample T19 CPV	Sample T20 Lab Mean	Sample T20 Diff from Grand Mean	Sample T20 CPV
22CMED		1.13000	-0.00589	-2.03	1.13000	-0.00600	-2.30
27RXQV		1.13453	-0.00136	-0.47	1.13393	-0.00207	-0.79
2CXQKQ		1.13813	0.00224	0.77	1.13797	0.00197	0.76
2PH7NQ		1.13600	0.00011	0.04	1.13633	0.00033	0.13
2QZZQL		1.13783	0.00194	0.67	1.13763	0.00163	0.63
2W2CMH		1.13073	-0.00516	-1.78	1.13003	-0.00597	-2.29
3BDAZH		1.13367	-0.00223	-0.77	1.13600	0.00000	0.00
3D74Z8		1.13000	-0.00589	-2.03	1.13000	-0.00600	-2.30
3K3VBM		1.13000	-0.00589	-2.03	1.13000	-0.00600	-2.30
3QM8YM		1.14000	0.00411	1.42	1.14000	0.00400	1.54
4FR8AQ		1.13490	-0.00099	-0.34	1.13487	-0.00113	-0.43
6AVZ32		1.13723	0.00134	0.46	1.13727	0.00127	0.49
7FFF9K		1.13870	0.00281	0.97	1.13900	0.00300	1.15
7GCVKG		1.13650	0.00061	0.21	1.13800	0.00200	0.77
7HMUGB		1.13767	0.00177	0.61	1.13567	-0.00033	-0.13
7Q3GQE		1.13830	0.00241	0.83	1.13840	0.00240	0.92
8G7ZEF		1.13820	0.00231	0.80	1.13787	0.00187	0.72
8H3GQD		1.13600	0.00011	0.04	1.13667	0.00067	0.26
8TLXFD		1.13500	-0.00089	-0.31	1.13433	-0.00167	-0.64
8WDBUM		1.13300	-0.00289	-1.00	1.13300	-0.00300	-1.15
9HY3TJ		1.13700	0.00111	0.38	1.13667	0.00067	0.26
9LEX9F		1.13567	-0.00023	-0.08	1.13667	0.00067	0.26
9NNT4K		1.13977	0.00387	1.34	1.14010	0.00410	1.58
9V3ECN		1.13467	-0.00123	-0.42	1.13533	-0.00067	-0.26
AM8WBL		1.13593	0.00004	0.01	1.13627	0.00027	0.10
B8A46B		1.13500	-0.00089	-0.31	1.13533	-0.00067	-0.26
B8MMYF		1.13810	0.00221	0.76	1.13883	0.00283	1.09
BBMYVF		1.12980	-0.00609	-2.10	1.13143	-0.00457	-1.75
BCHGWG		1.14000	0.00411	1.42	1.14000	0.00400	1.54
CYDNTB		1.14103	0.00514	1.77	1.13977	0.00377	1.45
E3FQHB		1.14070	0.00481	1.66	1.13790	0.00190	0.73
E6CWBN	X	1.07083	-0.06506	-22.43	1.03557	-0.10043	-38.58
EDKNDQ		1.13603	0.00014	0.05	1.13353	-0.00247	-0.95
FPWB64		1.13673	0.00084	0.29	1.13770	0.00170	0.65
G9K744		1.13783	0.00194	0.67	1.13787	0.00187	0.72

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WebCode	Data Flag	Sample T19 Lab Mean	Sample T19 Diff from Grand Mean	Sample T19 CPV	Sample T20 Lab Mean	Sample T20 Diff from Grand Mean	Sample T20 CPV
GBQKZA		1.13783	0.00194	0.67	1.13850	0.00250	0.96
GREVPX		1.13800	0.00211	0.73	1.13900	0.00300	1.15
HNBJ4H		1.13633	0.00044	0.15	1.13633	0.00033	0.13
HVCV3Z		1.13633	0.00044	0.15	1.13667	0.00067	0.26
HVTRRE	*	1.13593	0.00004	0.01	1.13917	0.00317	1.22
J2CFZP		1.13407	-0.00183	-0.63	1.13587	-0.00013	-0.05
JUVY8E		1.13893	0.00304	1.05	1.13890	0.00290	1.11
KHG26W		1.13340	-0.00249	-0.86	1.13333	-0.00267	-1.02
KX9Y67		1.13337	-0.00253	-0.87	1.13427	-0.00173	-0.67
LYDXQY	*	1.13813	0.00224	0.77	1.13483	-0.00117	-0.45
M2FHQ4		1.13697	0.00107	0.37	1.13767	0.00167	0.64
MGDAYZ	X	1.13320	-0.00269	-0.93	1.12960	-0.00640	-2.46
MQHHEZ	*	1.12900	-0.00689	-2.38	1.13200	-0.00400	-1.54
MQKVCU		1.13367	-0.00223	-0.77	1.13467	-0.00133	-0.51
MYEAQZ		1.13427	-0.00163	-0.56	1.13457	-0.00143	-0.55
N7CCEX		1.13670	0.00081	0.28	1.13603	0.00003	0.01
NDVHB4		1.13400	-0.00189	-0.65	1.13500	-0.00100	-0.38
NWZ8DZ	X	1.13337	-0.00253	-0.87	1.12880	-0.00720	-2.77
P3RK3V	*	1.12950	-0.00639	-2.20	1.13243	-0.00357	-1.37
PBMPUB		1.13600	0.00011	0.04	1.13500	-0.00100	-0.38
PLY34Y		1.13453	-0.00136	-0.47	1.13433	-0.00167	-0.64
QCDBZ8		1.13753	0.00164	0.57	1.13657	0.00057	0.22
QEF9BY		1.13867	0.00277	0.96	1.13600	0.00000	0.00
QWGW3Y		1.13840	0.00251	0.86	1.13840	0.00240	0.92
R8XZM3		1.13820	0.00231	0.80	1.13833	0.00233	0.90
RAH6XL		1.13450	-0.00139	-0.48	1.13450	-0.00150	-0.58
RCMMAV		1.13580	-0.00009	-0.03	1.13503	-0.00097	-0.37
RFLX7V		1.13723	0.00134	0.46	1.13845	0.00245	0.94
RPE7WE		1.13367	-0.00223	-0.77	1.13533	-0.00067	-0.26
T3X9UW		1.12967	-0.00623	-2.15	1.13053	-0.00547	-2.10
TFM8JD	*	1.14093	0.00504	1.74	1.13743	0.00143	0.55
THP7U7	X	1.13067	-0.00523	-1.80	1.13533	-0.00067	-0.26
U2GER2		1.13807	0.00217	0.75	1.13787	0.00187	0.72
UATQJT		1.13763	0.00174	0.60	1.13787	0.00187	0.72
UXKMJ6		1.13827	0.00237	0.82	1.13847	0.00247	0.95

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WebCode	Data Flag	Sample T19 Lab Mean	Sample T19 Diff from Grand Mean	Sample T19 CPV	Sample T20 Lab Mean	Sample T20 Diff from Grand Mean	Sample T20 CPV
VFYJEN		1.13670	0.00081	0.28	1.13507	-0.00093	-0.36
VPKMJ3		1.13567	-0.00023	-0.08	1.13770	0.00170	0.65
VTKYF3		1.13780	0.00191	0.66	1.13783	0.00183	0.70
WGMH47		1.13870	0.00281	0.97	1.13920	0.00320	1.23
WZ2UVW		1.13680	0.00091	0.31	1.13530	-0.00070	-0.27
X893LW		1.13260	-0.00329	-1.14	1.13353	-0.00247	-0.95
XM3M7Q		1.13300	-0.00289	-1.00	1.13280	-0.00320	-1.23
XTCMNN		1.13433	-0.00156	-0.54	1.13467	-0.00133	-0.51
YAC3AZ		1.13713	0.00124	0.43	1.13733	0.00133	0.51
YDFXT4		1.13883	0.00294	1.01	1.13873	0.00273	1.05
ZJH8ZV		1.13200	-0.00389	-1.34	1.13200	-0.00400	-1.54

Summary Statistics

	Sample T19	Sample T20
Grand Means	1.135893 sp gr 23/23 C	1.135998 sp gr 23/23 C
Stnd Dev Btwn Labs	0.002901 sp gr 23/23 C	0.002603 sp gr 23/23 C

Statistics based on 77 of 81 reporting participants

Sample T19: ABS/PC & Sample T20: ABS/PC

Comments on Assigned Data Flags for Test #718

E6CWBN (X) - Extreme data.

THP7U7 (X) - Inconsistent in testing between samples.

NWZ8DZ (X) - Data for sample T20 are low.

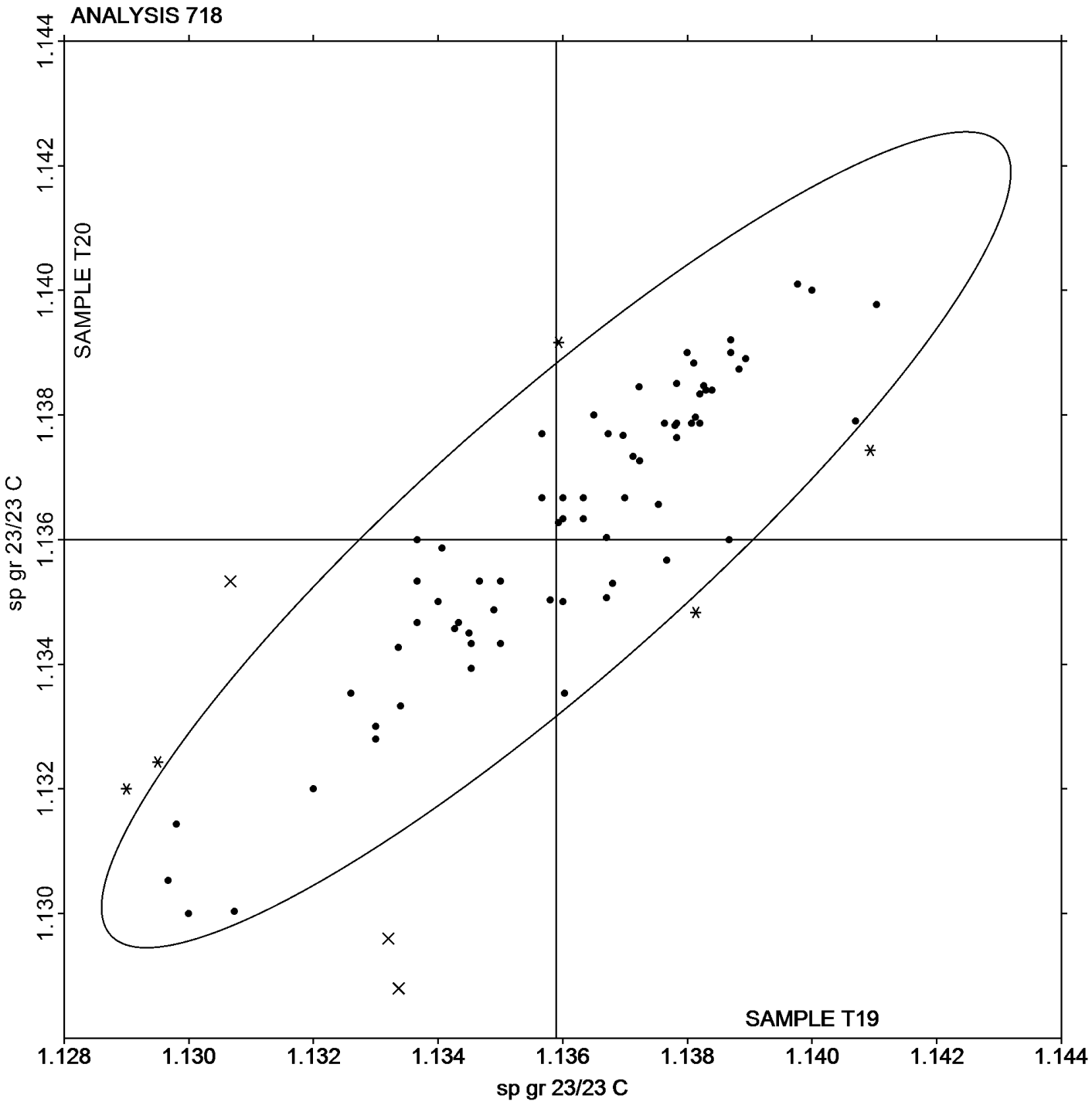
MGDAYZ (X) - Inconsistent in testing between samples.

Results by Methodology (as reported by laboratory)

Test Methodology	Sample T19 ABS/PC Group Mean	Sample T19 ABS/PC Btwn Lab STD	Sample T19 ABS/PC Diff from GM	Sample T20 ABS/PC Group Mean	Sample T20 ABS/PC Btwn Lab STD	Sample T20 ABS/PC Diff from GM	Labs Incl / Rpt
ASTM D792 Method A (water)	1.136058	0.002818	0.000	1.136149	0.002547	0.000	53/55
ASTM D792 Method B (not water)	1.136033	0.000000	0.000	1.133533	0.000000	-0.002	1/1
ASTM D1505	1.135933	0.000000	0.000	1.139167	0.000000	0.003	1/1
ISO 1183	1.135238	0.003107	-0.001	1.135495	0.002751	-0.001	21/23

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Grand Mean Sample T19: 1.1359 sp gr 23/23 C Grand Mean Sample T20: 1.1360 sp gr 23/23 C



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WebCode	Data Flag	Sample J19 Lab Mean	Sample J19 Diff from Grand Mean	Sample J19 CPV	Sample J20 Lab Mean	Sample J20 Diff from Grand Mean	Sample J20 CPV
27RXQV		376.2	5.2	0.25	370.5	-0.8	-0.04
2CXQKQ		387.3	16.3	0.78	387.2	15.8	0.72
2K9T7R		379.0	8.0	0.38	386.0	14.6	0.67
3D74Z8		375.7	4.6	0.22	375.9	4.6	0.21
3K3VBM		374.2	3.2	0.15	375.9	4.6	0.21
4FR8AQ		367.4	-3.6	-0.17	374.6	3.2	0.15
78P26E		366.0	-5.0	-0.24	367.4	-4.0	-0.18
7FFF9K		379.2	8.2	0.39	378.4	7.0	0.32
7FGCJF		361.9	-9.1	-0.43	361.1	-10.3	-0.47
7HMUGB		396.2	25.2	1.20	396.4	25.0	1.14
7Q3GQE		331.0	-40.0	-1.91	328.2	-43.2	-1.97
7QXW3C		349.2	-21.8	-1.04	350.0	-21.4	-0.98
7T4L2E		403.8	32.8	1.56	404.5	33.1	1.51
8GAGMM		368.8	-2.2	-0.11	370.0	-1.4	-0.06
8WDBUM	*	317.0	-54.0	-2.58	309.2	-62.2	-2.84
99NZ8H		375.0	4.0	0.19	374.9	3.6	0.16
9NNT4K		372.2	1.2	0.06	372.2	0.8	0.04
B8A46B		368.3	-2.7	-0.13	367.8	-3.6	-0.16
BBMYVF	X	86.2	-284.8	-13.59	88.6	-282.7	-12.92
CCZXDV	X	241.6	-129.4	-6.17	238.6	-132.8	-6.07
DVQ9ZV		388.2	17.2	0.82	385.4	14.0	0.64
E4J4F6		343.0	-28.0	-1.34	340.8	-30.6	-1.40
E6PLCF		347.1	-23.9	-1.14	342.7	-28.7	-1.31
FEDQUE		371.8	0.8	0.04	373.8	2.4	0.11
FJ74JA	X	2.2	-368.8	-17.60	2.2	-369.2	-16.87
FPWB64		357.8	-13.2	-0.63	357.1	-14.3	-0.65
GBQKZA		375.9	4.9	0.23	377.6	6.2	0.28
HVCV3Z		399.8	28.8	1.37	399.6	28.2	1.29
HVTRRE	X	378.0	7.0	0.34	362.3	-9.1	-0.41
HYPPR6		377.0	6.0	0.28	371.8	0.4	0.02
JUVY8E	*	385.7	14.7	0.70	396.7	25.4	1.16
KHG26W		342.2	-28.8	-1.37	341.1	-30.3	-1.39
MGDAYZ	X	277.7	-93.3	-4.45	299.8	-71.5	-3.27
N49GVU	X	396.6	25.6	1.22	372.9	1.5	0.07
N7CCEX		358.6	-12.4	-0.59	360.5	-10.9	-0.50

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WebCode	Data Flag	Sample J19 Lab Mean	Sample J19 Diff from Grand Mean	Sample J19 CPV	Sample J20 Lab Mean	Sample J20 Diff from Grand Mean	Sample J20 CPV
NCY3Y8		386.5	15.5	0.74	395.2	23.8	1.09
NDVHB4		354.3	-16.7	-0.80	355.0	-16.4	-0.75
PAQAHD		376.0	5.0	0.24	379.3	8.0	0.36
QEF9BY		356.5	-14.5	-0.69	356.0	-15.4	-0.70
QWGW3Y		383.3	12.3	0.59	382.9	11.5	0.53
QYNCCP		373.4	2.4	0.12	372.4	1.0	0.04
REVP48		376.4	5.4	0.26	371.9	0.5	0.02
RPE7WE		405.5	34.5	1.65	402.5	31.1	1.42
T47K8R		339.0	-32.0	-1.53	341.4	-30.0	-1.37
THP7VR		392.9	21.9	1.04	393.2	21.8	1.00
U2GER2		359.1	-11.9	-0.57	360.7	-10.7	-0.49
UHLRXX		381.4	10.4	0.49	383.1	11.7	0.54
UXKMJ6		419.3	48.3	2.31	418.4	47.0	2.15
VFYJEN		400.8	29.8	1.42	399.9	28.6	1.30
VK6D9J		379.6	8.6	0.41	382.7	11.3	0.52
VPKMJ3		336.1	-34.9	-1.66	334.0	-37.4	-1.71
VTKYF3		374.8	3.8	0.18	375.0	3.6	0.16
YDFXT4		347.1	-23.9	-1.14	354.1	-17.3	-0.79

Summary Statistics

	Sample J19	Sample J20
Grand Means	371.01 ksi	371.38 ksi
Stnd Dev Btwn Labs	20.96 ksi	21.88 ksi

Statistics based on 47 of 53 reporting participants

Sample J19: HIPS & Sample J20: HIPS

Comments on Assigned Data Flags for Test #720

CCZXDV (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of sample J19.

HVTRRE (X) - Inconsistent in testing between samples.

FJ74JA (X) - Extreme data.

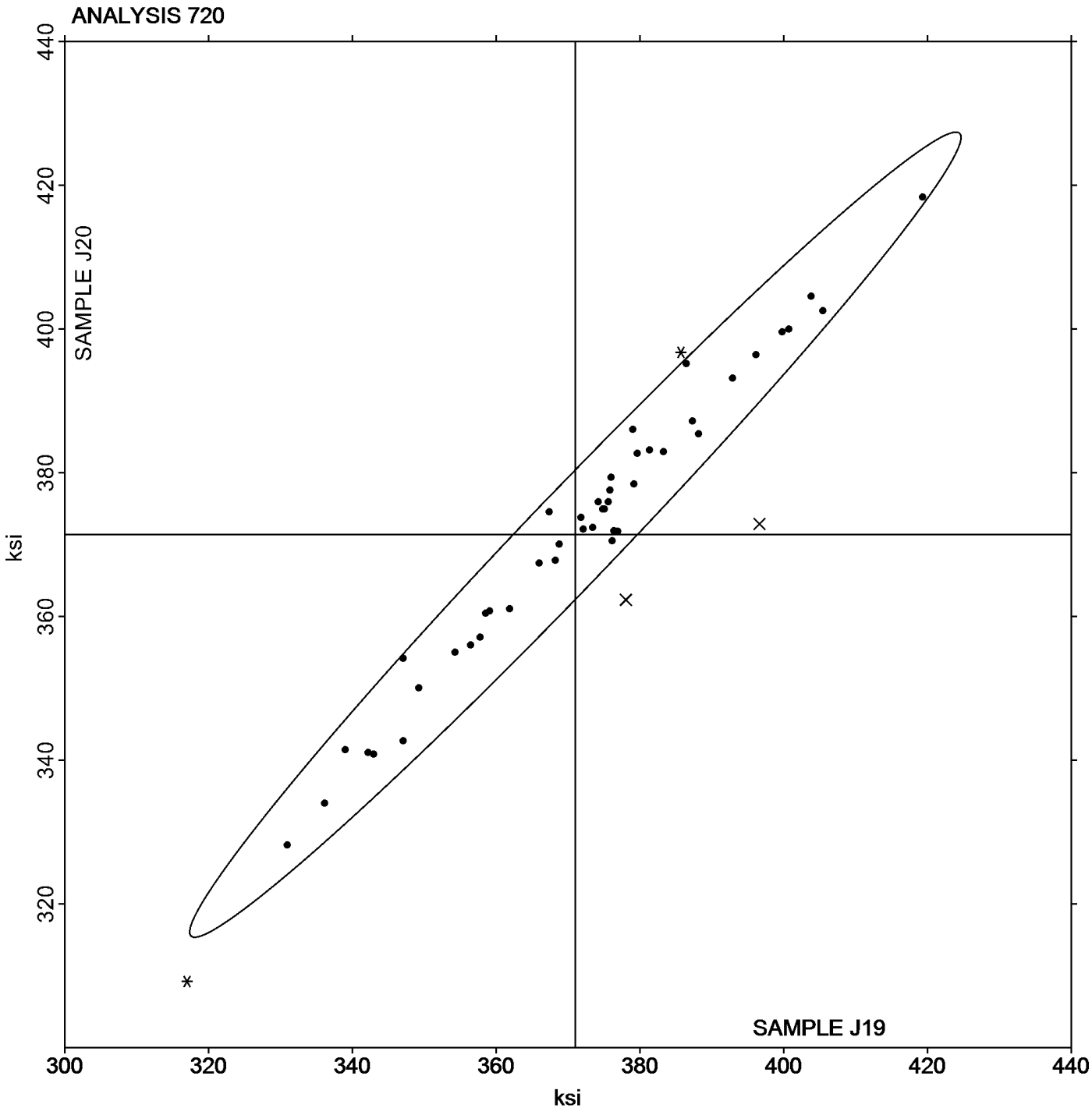
N49GVU (X) - Inconsistent in testing between samples.

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

MGDAYZ (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of sample J20.

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Grand Mean Sample J19: 371.01 ksi Grand Mean Sample J20: 371.38 ksi



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WebCode	Data Flag	Sample J19 Lab Mean	Sample J19 Diff from Grand Mean	Sample J19 CPV	Sample J20 Lab Mean	Sample J20 Diff from Grand Mean	Sample J20 CPV
2CXQKQ		6,962	109	0.33	6,962	102	0.31
2K9T7R		6,868	15	0.04	6,911	51	0.16
4FR8AQ		6,564	-290	-0.87	6,629	-231	-0.71
78P26E		6,868	15	0.04	6,860	0	0.00
7FFF9K		6,742	-111	-0.34	6,730	-130	-0.40
7FGCJF		6,831	-22	-0.07	6,837	-23	-0.07
7HMUGB		7,351	498	1.50	7,240	380	1.16
7Q3GQE		7,120	267	0.81	7,212	352	1.08
7QXW3C		6,528	-325	-0.98	6,503	-357	-1.09
7T4L2E		7,317	464	1.40	7,297	438	1.34
8GAGMM		6,902	49	0.15	6,825	-34	-0.10
8WDBUM		6,550	-303	-0.92	6,484	-376	-1.15
99NZ8H		6,975	121	0.37	7,045	185	0.57
B8A46B		6,768	-85	-0.26	6,818	-41	-0.13
BBMYVF	X	8,695	1,842	5.56	8,583	1,723	5.27
CCZXDV		6,501	-352	-1.06	6,484	-376	-1.15
DVQ9ZV		6,976	123	0.37	6,944	84	0.26
E4J4F6		7,340	487	1.47	7,322	462	1.41
E6PLCF		6,782	-71	-0.22	6,702	-158	-0.48
FEDQUE		6,910	57	0.17	7,057	197	0.60
FJ74JA	*	5,802	-1,052	-3.18	5,802	-1,058	-3.24
FKE3QC		7,020	167	0.50	7,100	240	0.73
FPWB64		7,019	166	0.50	7,010	150	0.46
GBQKZA		6,913	59	0.18	6,947	87	0.27
GJ4MWB		7,022	169	0.51	7,030	170	0.52
HVCV3Z		7,596	743	2.24	7,537	677	2.07
HYPPR6		6,724	-129	-0.39	6,794	-65	-0.20
JUVY8E		6,753	-100	-0.30	6,717	-143	-0.44
KHG26W		6,646	-207	-0.63	6,557	-302	-0.92
MGDAYZ		7,020	167	0.50	7,133	273	0.84
N49GVU	*	6,986	132	0.40	6,828	-31	-0.10
N7CCEX		6,493	-360	-1.09	6,526	-333	-1.02
NCY3Y8		7,006	152	0.46	7,026	166	0.51
NDVHB4		6,625	-228	-0.69	6,691	-169	-0.52
PAQAHD		6,991	138	0.42	6,933	73	0.22

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WebCode	Data Flag	Sample J19 Lab Mean	Sample J19 Diff from Grand Mean	Sample J19 CPV	Sample J20 Lab Mean	Sample J20 Diff from Grand Mean	Sample J20 CPV
QEF9BY		6,634	-220	-0.66	6,717	-143	-0.44
QYNCCP		6,826	-28	-0.08	6,830	-30	-0.09
REVP48		6,810	-44	-0.13	6,839	-21	-0.06
T47K8R		6,787	-66	-0.20	6,789	-71	-0.22
U2GER2		7,089	236	0.71	7,101	241	0.74
UHLRXX		6,573	-280	-0.85	6,527	-333	-1.02
UXKMJ6		7,560	706	2.13	7,537	678	2.07
VFYJEN		6,951	97	0.29	6,967	108	0.33
VK6D9J		7,336	483	1.46	7,363	503	1.54
VPKMJ3		6,516	-337	-1.02	6,512	-348	-1.06
VTKYF3		6,195	-659	-1.99	6,240	-620	-1.90
YDFXT4		6,507	-347	-1.05	6,630	-229	-0.70

Summary Statistics

	Sample J19	Sample J20
Grand Means	6,853.3 psi	6,859.7 psi
Stnd Dev Btwn Labs	331.1 psi	327.0 psi

Statistics based on 46 of 47 reporting participants

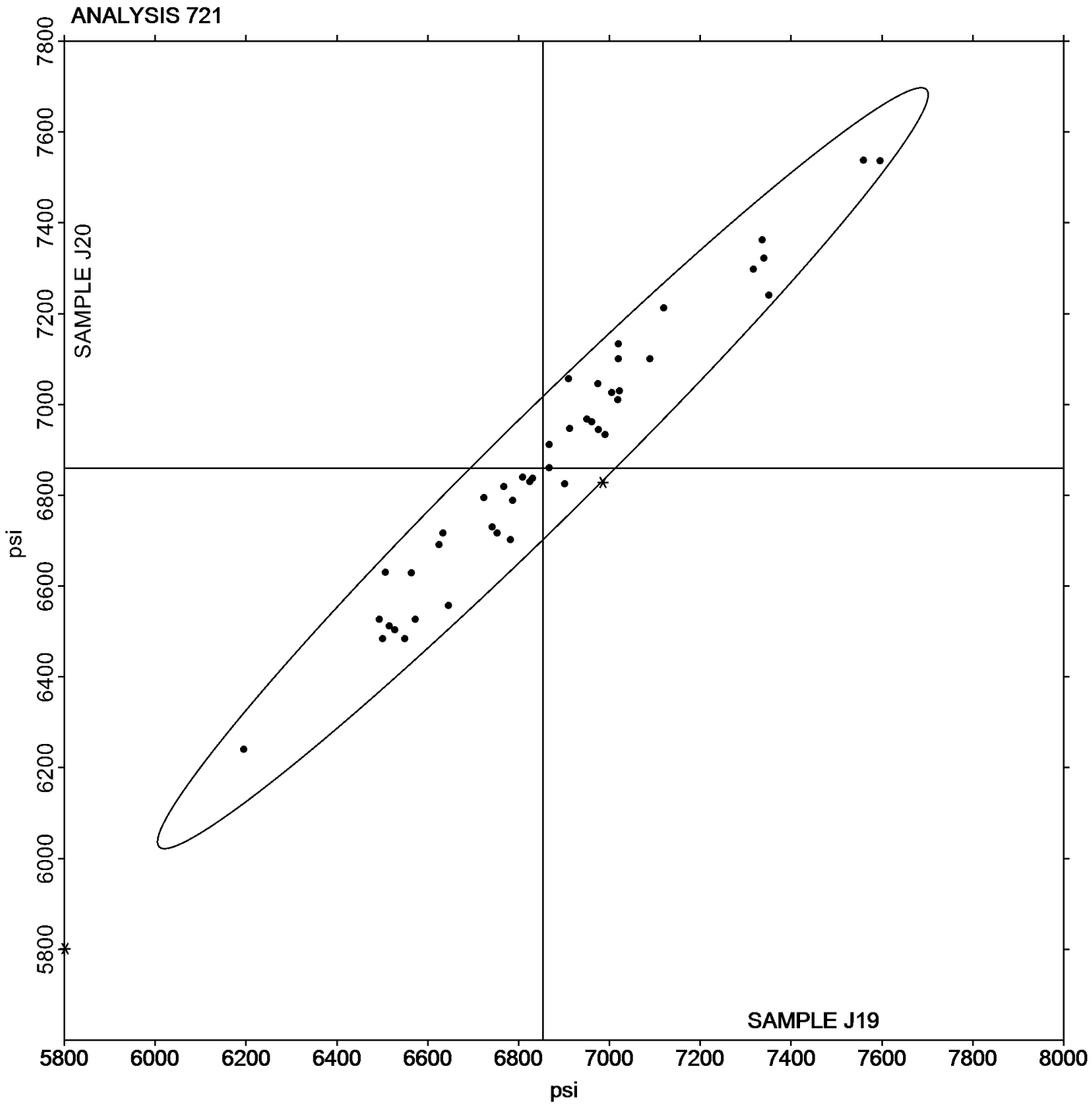
Sample J19: HIPS & Sample J20: HIPS

Comments on Assigned Data Flags for Test #721

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

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Grand Mean Sample J19: 6,853.32 psi Grand Mean Sample J20: 6,859.65 psi



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WebCode	Data Flag	Sample J19 Lab Mean	Sample J19 Diff from Grand Mean	Sample J19 CPV	Sample J20 Lab Mean	Sample J20 Diff from Grand Mean	Sample J20 CPV
27RXQV		6,800	-20	-0.06	6,784	-46	-0.14
2CXQKQ		6,962	142	0.42	6,962	131	0.40
2K9T7R		6,881	61	0.18	6,934	103	0.32
78P26E		6,886	66	0.19	6,904	73	0.22
7FGCJF		6,837	17	0.05	6,843	12	0.04
7Q3GQE		7,126	306	0.90	7,236	405	1.24
7QXW3C		6,541	-279	-0.82	6,517	-314	-0.96
7T4L2E		7,333	514	1.51	7,318	487	1.49
8GAGMM		6,938	118	0.35	6,869	38	0.12
8WDBUM		6,556	-264	-0.77	6,492	-339	-1.04
9NNT4K		6,385	-435	-1.28	6,408	-423	-1.29
B8A46B		6,779	-41	-0.12	6,826	-5	-0.02
CCZXDV		6,489	-331	-0.97	6,506	-324	-0.99
DVQ9ZV		6,986	166	0.49	6,958	127	0.39
E4J4F6		7,434	614	1.80	7,322	491	1.50
E6PLCF		6,846	26	0.08	6,783	-48	-0.15
FEDQUE	*	6,924	104	0.31	7,091	261	0.80
FJ74JA	*	5,802	-1,018	-2.99	5,831	-1,000	-3.06
FPWB64		7,023	203	0.60	7,012	182	0.56
GBQKZA		7,051	231	0.68	7,077	246	0.75
HVCV3Z		7,640	820	2.41	7,561	730	2.23
HYPPR6		6,814	-6	-0.02	6,899	68	0.21
JUVY8E		6,785	-35	-0.10	6,748	-82	-0.25
MGDAYZ		6,731	-88	-0.26	6,837	7	0.02
N49GVU	*	7,002	183	0.54	6,842	12	0.04
N7CCEX		6,493	-326	-0.96	6,526	-304	-0.93
NCY3Y8		7,042	222	0.65	7,043	212	0.65
NDVHB4		6,268	-552	-1.62	6,359	-471	-1.44
PAQAHD		6,991	171	0.50	6,933	102	0.31
QEF9BY		6,692	-128	-0.38	6,789	-41	-0.13
QWGW3Y		6,768	-52	-0.15	6,792	-39	-0.12
QYNCCP		6,838	18	0.05	6,846	15	0.05
REVP48		6,832	13	0.04	6,855	24	0.07
T47K8R		6,818	-1	0.00	6,817	-14	-0.04
THP7VR		6,981	161	0.47	7,005	174	0.53

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WebCode	Data Flag	Sample J19 Lab Mean	Sample J19 Diff from Grand Mean	Sample J19 CPV	Sample J20 Lab Mean	Sample J20 Diff from Grand Mean	Sample J20 CPV
U2GER2		7,151	332	0.97	7,201	370	1.13
UHLRXX		6,596	-224	-0.66	6,548	-283	-0.86
VK6D9J		7,344	524	1.54	7,365	535	1.64
VPKMJ3		6,532	-288	-0.85	6,517	-314	-0.96
VTKYF3		6,204	-616	-1.81	6,248	-582	-1.78
YDFXT4		6,512	-308	-0.90	6,652	-178	-0.54

Summary Statistics

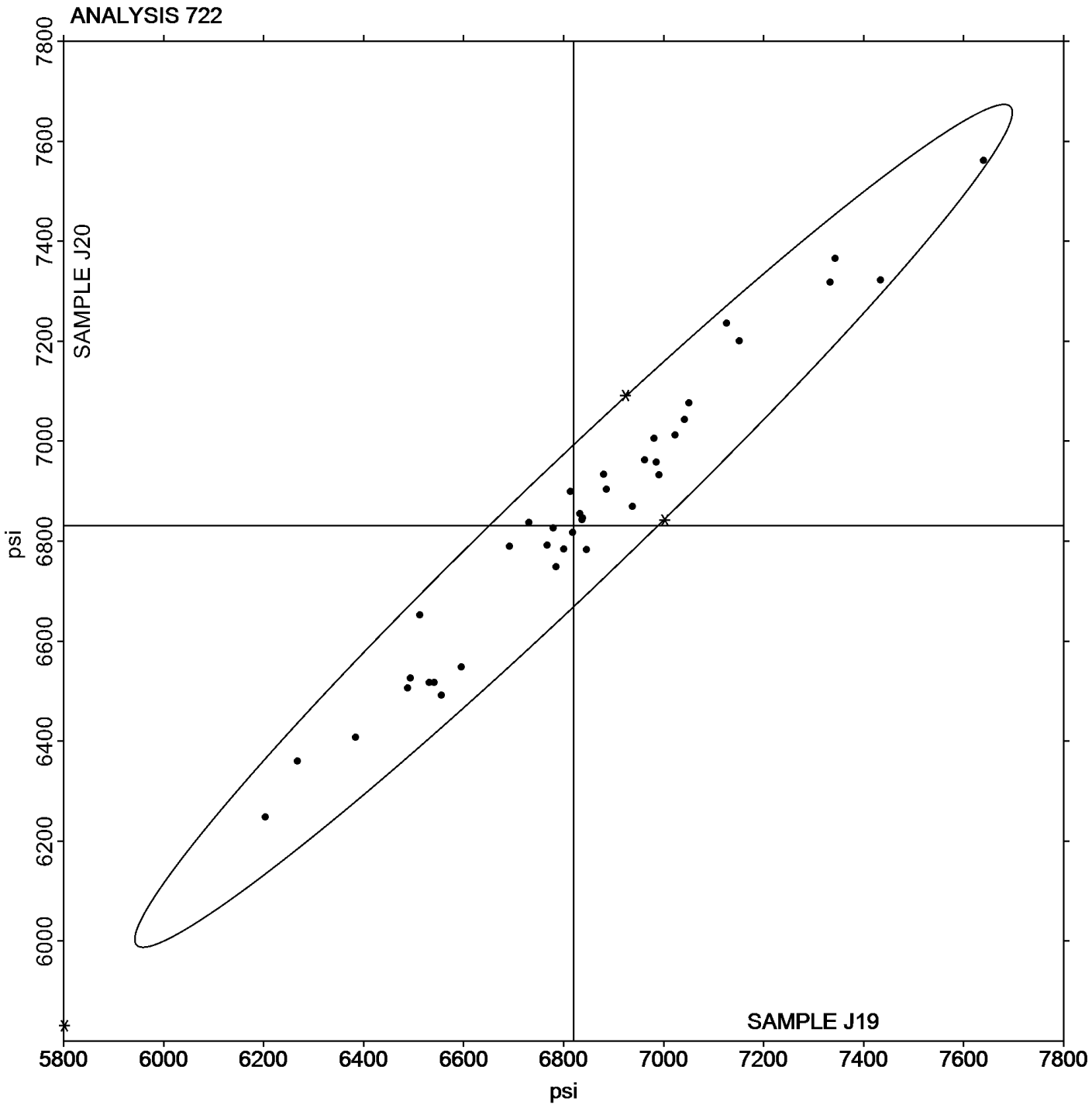
	Sample J19	Sample J20
Grand Means	6,819.8 psi	6,830.6 psi
Stnd Dev Btwn Labs	340.5 psi	327.1 psi

Statistics based on 41 of 41 reporting participants

Sample J19: HIPS & Sample J20: HIPS

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Grand Mean Sample J19: 6,819.76 psi Grand Mean Sample J20: 6,830.64 psi



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WebCode	Data Flag	Sample C19 Lab Mean	Sample C19 Diff from Grand Mean	Sample C19 CPV	Sample C20 Lab Mean	Sample C20 Diff from Grand Mean	Sample C20 CPV
22CMED		50.08	1.41	1.76	50.06	1.48	1.70
27RXQV		48.26	-0.41	-0.51	48.36	-0.22	-0.25
2CXQKQ		48.59	-0.08	-0.10	48.19	-0.39	-0.45
2KM9BT		48.77	0.10	0.13	48.55	-0.03	-0.03
2QZZQL		49.03	0.36	0.45	48.94	0.36	0.41
2W2CMH		50.25	1.59	1.98	50.50	1.92	2.20
3D74Z8		48.38	-0.29	-0.36	48.15	-0.43	-0.49
3K3VBM		48.19	-0.47	-0.59	48.04	-0.54	-0.62
3QM8YM		48.90	0.23	0.29	48.74	0.16	0.19
7GCVKG		48.20	-0.47	-0.58	47.92	-0.66	-0.75
7QVJ6H		48.00	-0.67	-0.83	47.86	-0.72	-0.82
7UFBGK	*	47.61	-1.05	-1.31	48.17	-0.41	-0.47
8TLXFD		48.28	-0.39	-0.49	48.03	-0.55	-0.63
8WDBUM		47.16	-1.51	-1.88	46.86	-1.72	-1.97
9HY3TJ		49.73	1.06	1.33	49.45	0.87	1.00
9LEX9F		49.15	0.48	0.60	49.20	0.62	0.71
9NNT4K		48.64	-0.03	-0.04	47.92	-0.66	-0.75
9WEE8X	X	49.01	0.34	0.43	49.89	1.31	1.50
AYZHGG		50.12	1.45	1.80	49.96	1.39	1.59
B3TY8F		49.79	1.12	1.39	49.77	1.19	1.37
B8A46B		48.96	0.29	0.36	48.76	0.18	0.21
BBMYVF	*	50.58	1.91	2.38	50.97	2.39	2.74
BZDCVV		48.72	0.05	0.07	48.53	-0.05	-0.06
CDA3T6		48.03	-0.64	-0.80	48.29	-0.28	-0.32
CYDNTB		47.69	-0.98	-1.22	47.66	-0.92	-1.06
DUEWXJ		48.99	0.32	0.40	48.68	0.10	0.11
DXXQYQ		48.38	-0.29	-0.36	48.40	-0.18	-0.21
E6PLCF		47.91	-0.76	-0.95	48.01	-0.57	-0.65
EDKNDQ		48.53	-0.14	-0.17	48.72	0.15	0.17
FKLZC9		48.37	-0.30	-0.37	48.10	-0.48	-0.55
FPWB64		48.58	-0.09	-0.11	48.46	-0.12	-0.13
G9FN76		49.47	0.80	1.00	49.56	0.98	1.13
GBQKZA		49.22	0.56	0.69	49.02	0.44	0.51
H4NUUP		49.78	1.11	1.39	49.80	1.22	1.40
HNBJ4H		48.74	0.08	0.09	48.50	-0.08	-0.09

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WebCode	Data Flag	Sample C19 Lab Mean	Sample C19 Diff from Grand Mean	Sample C19 CPV	Sample C20 Lab Mean	Sample C20 Diff from Grand Mean	Sample C20 CPV
HVTRRE		47.57	-1.10	-1.37	47.10	-1.48	-1.69
J2CFZP		48.14	-0.53	-0.66	47.92	-0.66	-0.75
J86EG6		48.14	-0.53	-0.66	48.28	-0.30	-0.34
JRPGAJ		48.60	-0.07	-0.09	48.32	-0.26	-0.29
JUVY8E		48.18	-0.49	-0.61	48.54	-0.04	-0.04
KHG26W		47.63	-1.04	-1.30	47.54	-1.04	-1.19
KX9Y67		48.82	0.15	0.19	48.77	0.19	0.22
LU6W92		48.72	0.05	0.06	48.46	-0.12	-0.13
LYDXQY		47.34	-1.33	-1.66	46.79	-1.79	-2.05
M2FHQ4		48.42	-0.24	-0.30	48.41	-0.17	-0.19
MBNZEU		47.94	-0.73	-0.91	47.79	-0.79	-0.90
MQKVCU		48.34	-0.33	-0.41	48.36	-0.22	-0.25
N7CCEX		49.18	0.51	0.64	49.72	1.15	1.31
NW86YX		48.06	-0.61	-0.76	48.16	-0.42	-0.48
NWZ8DZ		49.59	0.93	1.15	49.34	0.77	0.88
P76ETZ		48.89	0.22	0.28	48.61	0.03	0.04
PBMPUB		48.10	-0.57	-0.71	47.84	-0.74	-0.84
R8DJ6E		50.12	1.45	1.81	49.90	1.32	1.51
R8XZM3	*	46.60	-2.07	-2.58	46.46	-2.12	-2.42
RPE7WE		49.68	1.01	1.26	49.49	0.92	1.05
THP7U7	X	46.44	-2.23	-2.78	45.57	-3.01	-3.44
U2GER2		48.57	-0.10	-0.13	48.50	-0.08	-0.09
U6HFRX		49.36	0.69	0.86	48.99	0.41	0.47
UATQJT		48.12	-0.55	-0.68	48.32	-0.26	-0.29
UNRLRT		48.66	-0.01	-0.02	48.44	-0.14	-0.16
UXKMJ6		49.93	1.26	1.57	49.85	1.27	1.45
VFYJEN		48.43	-0.24	-0.30	48.59	0.01	0.01
VTKYF3		48.80	0.13	0.17	48.16	-0.42	-0.48
XTA4NR		48.82	0.15	0.19	48.94	0.36	0.41
YAC3AZ	*	49.13	0.46	0.57	49.84	1.26	1.44
ZJH8ZV		48.96	0.29	0.36	48.68	0.10	0.12
ZKDQ2X		47.54	-1.13	-1.41	47.34	-1.24	-1.42

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Summary Statistics

	Sample C19	Sample C20
Grand Means	48.669 MPa	48.578 MPa
Stnd Dev Btwn Labs	0.802 MPa	0.874 MPa

Statistics based on 65 of 67 reporting participants

Sample C19: ABS/PC & Sample C20: ABS/PC

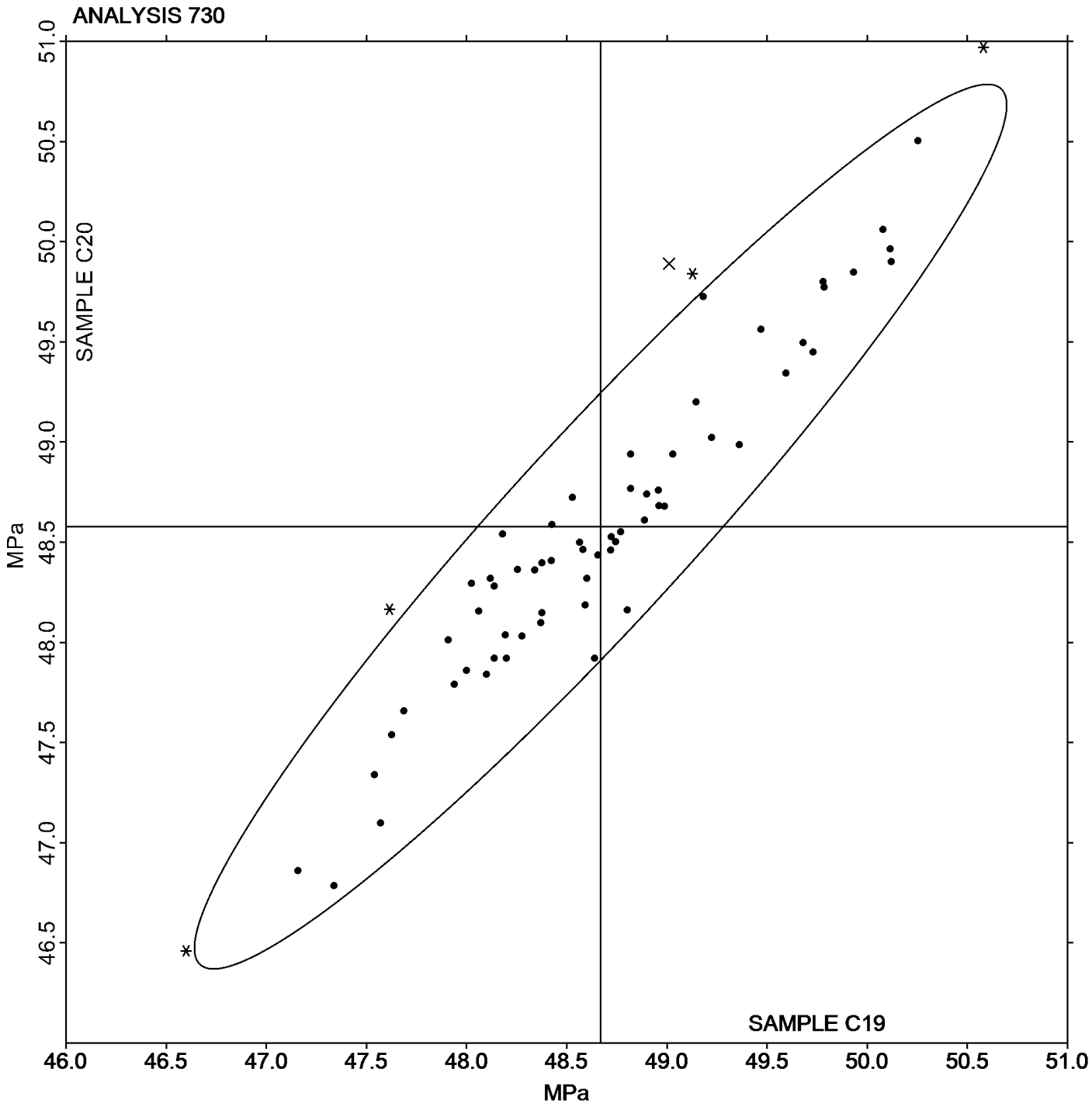
Comments on Assigned Data Flags for Test #730

9WEE8X (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample C20.

THP7U7 (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of both samples.

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Grand Mean Sample C19: 48.669 MPa Grand Mean Sample C20: 48.578 MPa



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WebCode	Data Flag	Sample C19 Lab Mean	Sample C19 Diff from Grand Mean	Sample C19 CPV	Sample C20 Lab Mean	Sample C20 Diff from Grand Mean	Sample C20 CPV
22CMED		44.47	1.26	1.29	44.11	0.97	0.92
2CXQKQ		42.42	-0.79	-0.81	42.26	-0.87	-0.82
2KM9BT		43.22	0.01	0.01	42.91	-0.22	-0.21
2QZZQL		43.56	0.35	0.36	43.04	-0.09	-0.08
2W2CMH		43.98	0.77	0.79	44.57	1.44	1.35
3QM8YM		43.66	0.45	0.46	43.57	0.44	0.41
7GCVKG		42.70	-0.51	-0.52	43.06	-0.07	-0.07
7QVJ6H	*	42.58	-0.63	-0.64	44.94	1.81	1.70
7UFBGK		42.40	-0.81	-0.83	42.41	-0.72	-0.67
8TLXFD	X	48.28	5.07	5.18	48.03	4.90	4.61
8WDBUM		42.00	-1.21	-1.24	41.78	-1.35	-1.27
9HY3TJ		44.00	0.79	0.81	42.90	-0.23	-0.22
9LEX9F		43.68	0.47	0.48	43.18	0.05	0.05
9NNT4K	*	45.40	2.19	2.24	42.90	-0.23	-0.22
9WEE8X	*	43.20	-0.01	-0.01	45.34	2.21	2.08
AYZHGG		42.97	-0.24	-0.25	43.22	0.09	0.08
B3TY8F		44.15	0.94	0.96	43.65	0.52	0.49
B8A46B		44.63	1.42	1.45	44.08	0.95	0.89
BZDCVV		42.59	-0.62	-0.64	43.02	-0.11	-0.10
CDA3T6		42.41	-0.80	-0.82	42.73	-0.40	-0.37
CYDNTB		41.36	-1.85	-1.89	43.16	0.03	0.03
DUEWXJ		43.56	0.35	0.36	43.56	0.43	0.40
DXXQYQ		42.56	-0.65	-0.67	41.97	-1.16	-1.09
E6PLCF		42.14	-1.07	-1.10	41.52	-1.61	-1.51
EDKNDQ	*	45.23	2.02	2.07	46.43	3.30	3.11
FKLZC9		41.38	-1.83	-1.87	40.59	-2.54	-2.39
FPWB64		43.53	0.32	0.32	42.71	-0.42	-0.40
G9FN76		45.33	2.12	2.16	43.48	0.35	0.33
GBQKZA	X	49.06	5.85	5.99	49.10	5.97	5.61
H4NUUP		43.90	0.69	0.71	43.08	-0.05	-0.05
HNBJ4H		43.23	0.02	0.02	43.24	0.11	0.10
HVTRRE		42.88	-0.33	-0.34	42.06	-1.07	-1.01
J2CFZP	*	41.54	-1.67	-1.71	44.06	0.93	0.87
J86EG6		42.84	-0.37	-0.38	43.14	0.01	0.01
JRPGAJ		43.42	0.21	0.21	41.94	-1.19	-1.12

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WebCode	Data Flag	Sample C19 Lab Mean	Sample C19 Diff from Grand Mean	Sample C19 CPV	Sample C20 Lab Mean	Sample C20 Diff from Grand Mean	Sample C20 CPV
JUVY8E	X	47.44	4.23	4.33	48.24	5.11	4.81
KHG26W		44.67	1.46	1.49	44.67	1.54	1.45
LU6W92		42.14	-1.07	-1.10	42.04	-1.09	-1.03
LYDXQY		41.57	-1.64	-1.68	41.27	-1.86	-1.75
M2FHQ4		42.46	-0.75	-0.77	42.40	-0.73	-0.69
MBNZEU		42.54	-0.67	-0.69	41.88	-1.25	-1.18
MQKVCU		42.34	-0.87	-0.89	42.66	-0.47	-0.44
N7CCEX		43.38	0.17	0.17	43.99	0.86	0.81
NW86YX		41.84	-1.37	-1.40	41.94	-1.19	-1.12
NWZ8DZ		43.79	0.58	0.59	43.71	0.58	0.55
P76ETZ		44.12	0.91	0.93	42.52	-0.61	-0.57
PBMPUB	M	41.90	-1.31	-1.34	No data reported for this sample		
R8DJ6E		43.64	0.43	0.44	43.96	0.83	0.78
THP7U7	X	49.28	6.07	6.21	49.11	5.98	5.63
U2GER2		42.57	-0.64	-0.66	42.60	-0.53	-0.50
UATQJT		44.30	1.09	1.11	43.14	0.01	0.01
UNRLRT		43.72	0.51	0.52	44.10	0.97	0.92
UXKMJ6		43.36	0.15	0.15	43.24	0.11	0.10
VFYJEN		42.87	-0.34	-0.35	41.99	-1.14	-1.07
VTKYF3		44.13	0.92	0.94	44.15	1.02	0.96
XTA4NR		43.48	0.27	0.28	43.66	0.53	0.50
YAC3AZ		43.29	0.08	0.09	43.76	0.63	0.59
ZJH8ZV		42.64	-0.57	-0.58	42.54	-0.59	-0.56
ZKDQ2X		43.61	0.40	0.41	44.21	1.08	1.02

Summary Statistics

	Sample C19	Sample C20
Grand Means	43.210 MPa	43.130 MPa
Stnd Dev Btwn Labs	0.977 MPa	1.063 MPa

Statistics based on 54 of 59 reporting participants

Sample C19: ABS/PC & Sample C20: ABS/PC

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Comments on Assigned Data Flags for Test #731

JUVY8E (X) - Data for both samples are high.

PBMPUB (M) - Participant did not submit data for sample C20.

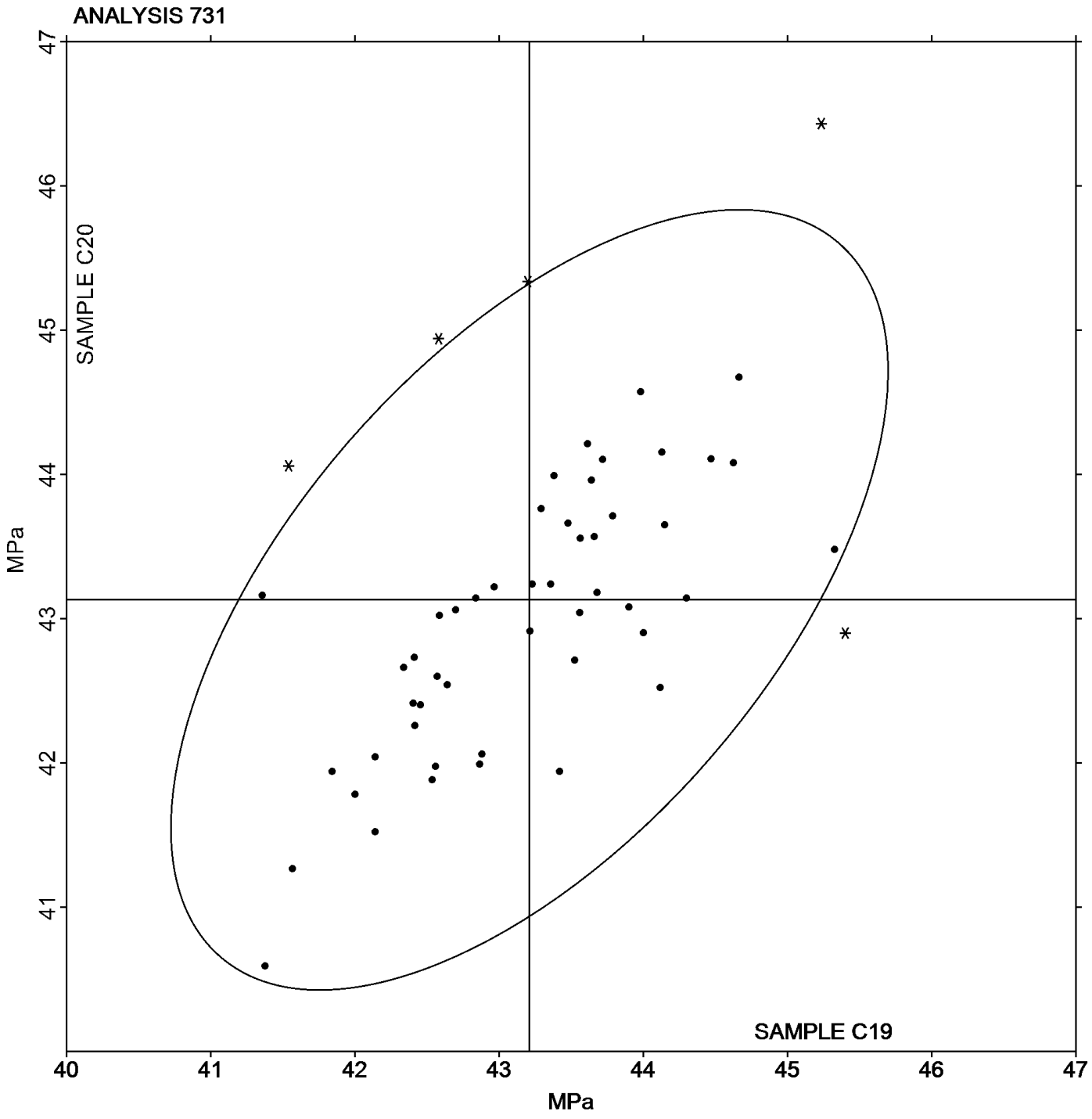
THP7U7 (X) - Data for both samples are high.

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

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

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Grand Mean Sample C19: 43.210 MPa Grand Mean Sample C20: 43.130 MPa



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WebCode	Data Flag	Sample C19 Lab Mean	Sample C19 Diff from Grand Mean	Sample C19 CPV	Sample C20 Lab Mean	Sample C20 Diff from Grand Mean	Sample C20 CPV
22CMED		4.364	-0.218	-1.45	4.364	-0.211	-1.47
27RXQV	*	4.632	0.051	0.34	4.760	0.185	1.29
2CXQKQ		4.348	-0.233	-1.55	4.320	-0.255	-1.77
2KM9BT		4.446	-0.135	-0.90	4.406	-0.169	-1.17
2QZZQL		4.566	-0.015	-0.10	4.668	0.093	0.65
3QM8YM		4.285	-0.297	-1.97	4.292	-0.283	-1.97
7GCVKG		4.760	0.179	1.19	4.700	0.125	0.87
7QVJ6H		4.680	0.099	0.66	4.580	0.005	0.04
7UFBGK		4.411	-0.171	-1.13	4.404	-0.171	-1.19
8TLXFD		4.270	-0.311	-2.07	4.230	-0.345	-2.40
8WDBUM	X	1.012	-3.569	-23.73	1.018	-3.557	-24.76
9HY3TJ		4.778	0.197	1.31	4.764	0.189	1.32
9LEX9F		4.600	0.019	0.12	4.600	0.025	0.18
9NNT4K		4.640	0.059	0.39	4.600	0.025	0.18
AYZHGG		4.626	0.045	0.30	4.562	-0.013	-0.09
B3TY8F	X	4.397	-0.185	-1.23	4.618	0.043	0.30
B8A46B		4.584	0.003	0.02	4.566	-0.009	-0.06
BBMYVF	X	4.918	0.336	2.23	4.344	-0.231	-1.61
BZDCVV		4.592	0.011	0.07	4.538	-0.037	-0.26
CDA3T6	*	4.306	-0.275	-1.83	4.428	-0.147	-1.02
CYDNTB		4.463	-0.118	-0.79	4.507	-0.067	-0.47
DUEWXJ		4.774	0.193	1.28	4.734	0.159	1.11
DXXQYQ		4.508	-0.073	-0.49	4.444	-0.131	-0.91
E6PLCF		4.544	-0.037	-0.25	4.562	-0.013	-0.09
EDKNDQ		4.756	0.175	1.16	4.762	0.187	1.30
FKLZC9		4.750	0.169	1.12	4.672	0.097	0.68
FPWB64		4.702	0.121	0.80	4.724	0.149	1.04
G9FN76		4.780	0.199	1.32	4.780	0.205	1.43
H4NUUP		4.540	-0.041	-0.27	4.540	-0.035	-0.24
HNBJ4H		4.546	-0.035	-0.23	4.548	-0.027	-0.19
HVTRRE		4.588	0.007	0.04	4.584	0.009	0.06
J2CFZP		4.500	-0.081	-0.54	4.460	-0.115	-0.80
J86EG6		4.600	0.019	0.12	4.580	0.005	0.04
JRPGAJ		4.700	0.119	0.79	4.680	0.105	0.73
JUVY8E		4.438	-0.143	-0.95	4.472	-0.103	-0.71

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WebCode	Data Flag	Sample C19 Lab Mean	Sample C19 Diff from Grand Mean	Sample C19 CPV	Sample C20 Lab Mean	Sample C20 Diff from Grand Mean	Sample C20 CPV
KHG26W		4.570	-0.011	-0.08	4.546	-0.029	-0.20
LU6W92		4.586	0.005	0.03	4.648	0.073	0.51
LYDXQY	X	71.682	67.100	446.04	71.498	66.924	465.90
M2FHQ4		4.602	0.021	0.14	4.584	0.009	0.06
MBNZEU		4.776	0.195	1.30	4.751	0.176	1.23
MQKVCU	X	6.406	1.825	12.13	6.402	1.827	12.72
N7CCEX		4.238	-0.343	-2.28	4.260	-0.315	-2.19
NW86YX		4.598	0.017	0.11	4.582	0.007	0.05
NWZ8DZ		4.628	0.047	0.31	4.654	0.079	0.55
P76ETZ		4.730	0.149	0.99	4.728	0.153	1.07
PBMPUB		4.480	-0.101	-0.67	4.480	-0.095	-0.66
R8DJ6E		4.840	0.259	1.72	4.740	0.165	1.15
THP7U7	X	5.136	0.555	3.69	5.206	0.631	4.40
U2GER2		4.582	0.001	0.00	4.624	0.049	0.34
UATQJT		4.620	0.039	0.26	4.580	0.005	0.04
UNRLRT		4.878	0.297	1.97	4.880	0.305	2.13
UXKMJ6		4.668	0.087	0.58	4.668	0.093	0.65
VFYJEN		4.548	-0.033	-0.22	4.508	-0.067	-0.46
VTKYF3		4.604	0.023	0.15	4.636	0.061	0.43
XTA4NR		4.676	0.095	0.63	4.680	0.105	0.73
YAC3AZ		4.326	-0.256	-1.70	4.360	-0.215	-1.49
ZJH8ZV		4.540	-0.041	-0.27	4.540	-0.035	-0.24
ZKDQ2X		4.664	0.083	0.55	4.604	0.029	0.20

Summary Statistics

	Sample C19	Sample C20
Grand Means	4.5814 Percent	4.5747 Percent
Stnd Dev Btwn Labs	0.1504 Percent	0.1436 Percent

Statistics based on 52 of 58 reporting participants

Sample C19: ABS/PC & Sample C20: ABS/PC

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Comments on Assigned Data Flags for Test #732

THP7U7 (X) - Data for both samples are high. Possible Systematic Error.

B3TY8F (X) - Inconsistent in testing between samples. Inconsistent within the determinations of both samples.

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

8WDBUM (X) - Extreme data.

BBMYVF (X) - Inconsistent in testing between samples. Inconsistent within the determinations of both samples.

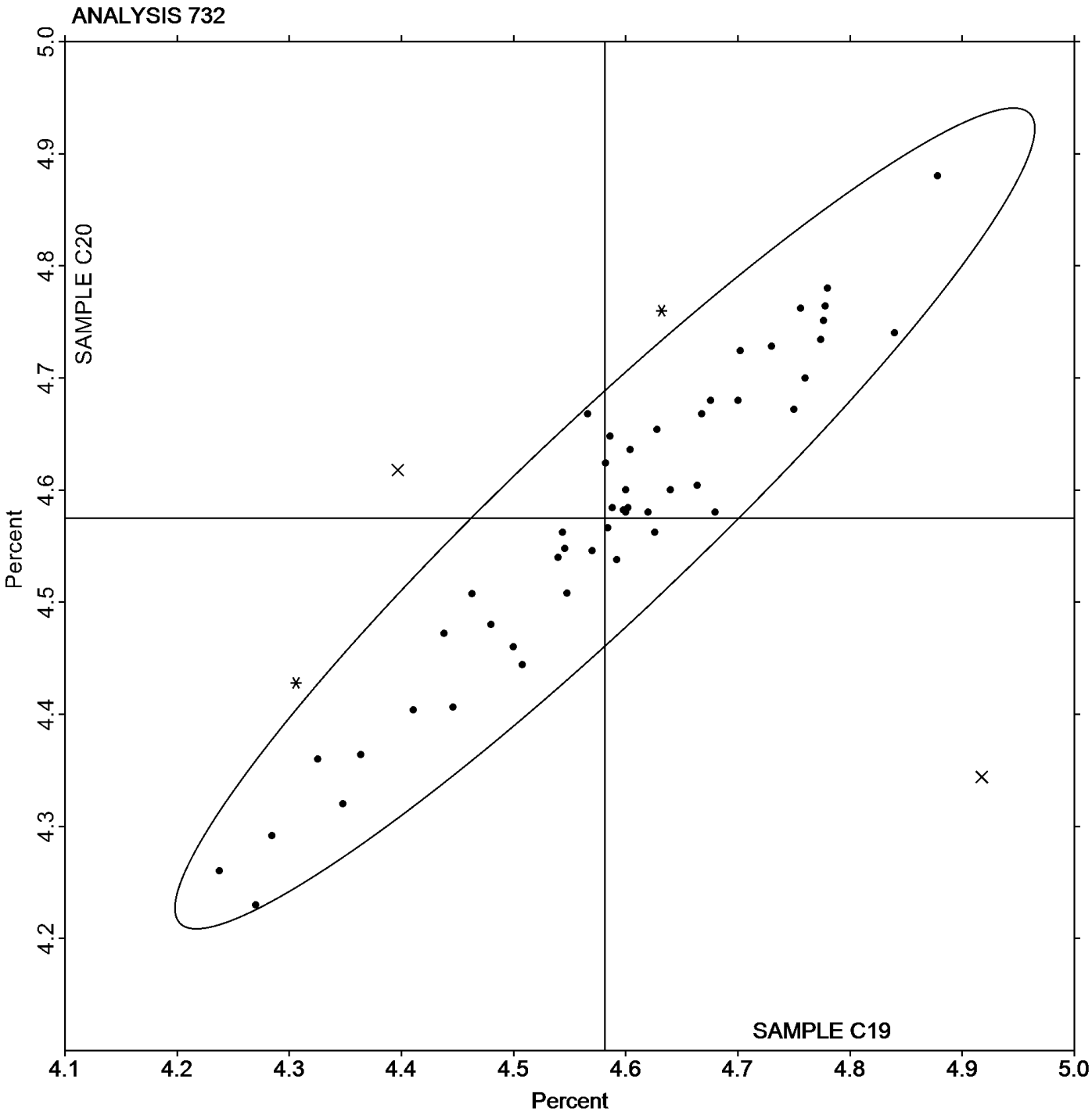
LYDXQY (X) - Extreme data.

Results by Methodology (as reported by laboratory)

	Sample C19 *ABS/PC*			Sample C20 *ABS/PC*			
Test Methodology	Group Mean	Btwn Lab STD	Diff from GM	Group Mean	Btwn Lab STD	Diff from GM	Labs Incl / Rpt
contact extensometer to measure elongation	4.5707	0.1558	-0.011	4.5715	0.1485	-0.003	40/45
crosshead deflection/movement	4.6180	0.1552	0.037	4.5944	0.1367	0.020	5/6
video extensometer	4.6160	0.1230	0.035	4.5787	0.1382	0.004	7/7

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Grand Mean Sample C19: 4.5814 Percent Grand Mean Sample C20: 4.5747 Percent



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WebCode	Data Flag	Sample C19 Lab Mean	Sample C19 Diff from Grand Mean	Sample C19 CPV	Sample C20 Lab Mean	Sample C20 Diff from Grand Mean	Sample C20 CPV
22CMED		2,273	72	0.99	2,259	58	0.91
2CXQKQ		2,185	-15	-0.21	2,168	-34	-0.53
2KM9BT		2,239	39	0.53	2,230	29	0.45
2QZZQL		2,299	98	1.34	2,281	80	1.25
3QM8YM		2,252	51	0.70	2,268	67	1.05
7GCVKG		2,216	15	0.21	2,212	11	0.17
7QVJ6H		2,180	-21	-0.28	2,196	-5	-0.08
7UFBGK		2,288	88	1.19	2,263	61	0.96
8TLXFD		2,190	-11	-0.15	2,198	-3	-0.05
8WDBUM		2,112	-89	-1.21	2,084	-117	-1.84
9HY3TJ	*	1,998	-203	-2.77	2,024	-177	-2.78
9LEX9F		2,220	20	0.27	2,214	13	0.21
9NNT4K		2,087	-113	-1.55	2,101	-101	-1.58
AYZHGG		2,348	147	2.01	2,355	153	2.41
B3TY8F		2,330	129	1.77	2,294	93	1.46
B8A46B		2,193	-7	-0.10	2,196	-6	-0.09
BZDCVV		2,163	-38	-0.51	2,168	-34	-0.53
CDA3T6		2,263	62	0.85	2,250	48	0.76
CYDNTB		2,230	29	0.40	2,232	31	0.48
DUEWXJ		2,116	-85	-1.16	2,132	-69	-1.09
DXXQYQ		2,210	9	0.12	2,246	45	0.70
E6PLCF		2,166	-34	-0.47	2,208	7	0.10
EDKNDQ		2,060	-141	-1.92	2,065	-136	-2.13
FKLZC9		2,153	-47	-0.65	2,113	-88	-1.38
FPWB64		2,157	-43	-0.59	2,166	-35	-0.55
G9FN76	*	2,155	-45	-0.62	2,232	31	0.49
H4NUUP	X	2,448	247	3.38	2,350	149	2.33
HNBJ4H		2,291	90	1.23	2,261	59	0.93
HVTRRE	X	2,241	41	0.56	2,398	196	3.08
J2CFZP		2,260	59	0.81	2,256	55	0.86
J86EG6		2,234	33	0.46	2,247	46	0.72
JUVY8E	X	0	-2,200	-30.04	0	-2,201	-34.51
KHG26W		2,243	43	0.58	2,232	31	0.48
LU6W92		2,249	48	0.65	2,226	25	0.39
LYDXQY		2,158	-42	-0.58	2,152	-49	-0.77

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WebCode	Data Flag	Sample C19 Lab Mean	Sample C19 Diff from Grand Mean	Sample C19 CPV	Sample C20 Lab Mean	Sample C20 Diff from Grand Mean	Sample C20 CPV
M2FHQ4		2,233	32	0.44	2,253	52	0.82
MBNZEU	X	1,904	-297	-4.05	1,938	-264	-4.14
MQKVCU	X	1,398	-803	-10.96	1,406	-795	-12.47
NW86YX		2,144	-57	-0.77	2,149	-52	-0.81
NWZ8DZ		2,319	119	1.62	2,260	59	0.92
P76ETZ		2,197	-4	-0.06	2,164	-37	-0.59
PBMPUB		2,264	63	0.86	2,231	29	0.46
R8DJ6E		2,276	75	1.03	2,272	71	1.11
THP7U7		2,231	31	0.42	2,186	-16	-0.24
U2GER2		2,203	3	0.03	2,161	-40	-0.63
U6HFRX		2,087	-114	-1.55	2,154	-48	-0.75
UATQJT		2,182	-18	-0.25	2,191	-11	-0.17
UNRLRT	X	2,036	-165	-2.25	1,991	-210	-3.29
UXKMJ6		2,218	18	0.24	2,222	21	0.33
VFYJEN		2,225	24	0.33	2,258	56	0.88
VTKYF3		2,179	-22	-0.30	2,196	-5	-0.08
XTA4NR		2,183	-18	-0.25	2,189	-12	-0.19
YAC3AZ		2,120	-80	-1.10	2,133	-69	-1.08
ZJH8ZV		2,189	-11	-0.15	2,190	-11	-0.18
ZKDQ2X		2,062	-138	-1.89	2,123	-78	-1.23

Summary Statistics

	Sample C19	Sample C20
Grand Means	2,200.7 MPa	2,201.2 MPa
Stnd Dev Btwn Labs	73.2 MPa	63.8 MPa

Statistics based on 49 of 55 reporting participants

Sample C19: ABS/PC & Sample C20: ABS/PC

Comments on Assigned Data Flags for Test #734

H4NUUP (X) - Data for sample C19 are high. Inconsistent within the determinations of sample C20.

JUVY8E (X) - Extreme data.

HVTRRE (X) - Data for sample C20 are high.

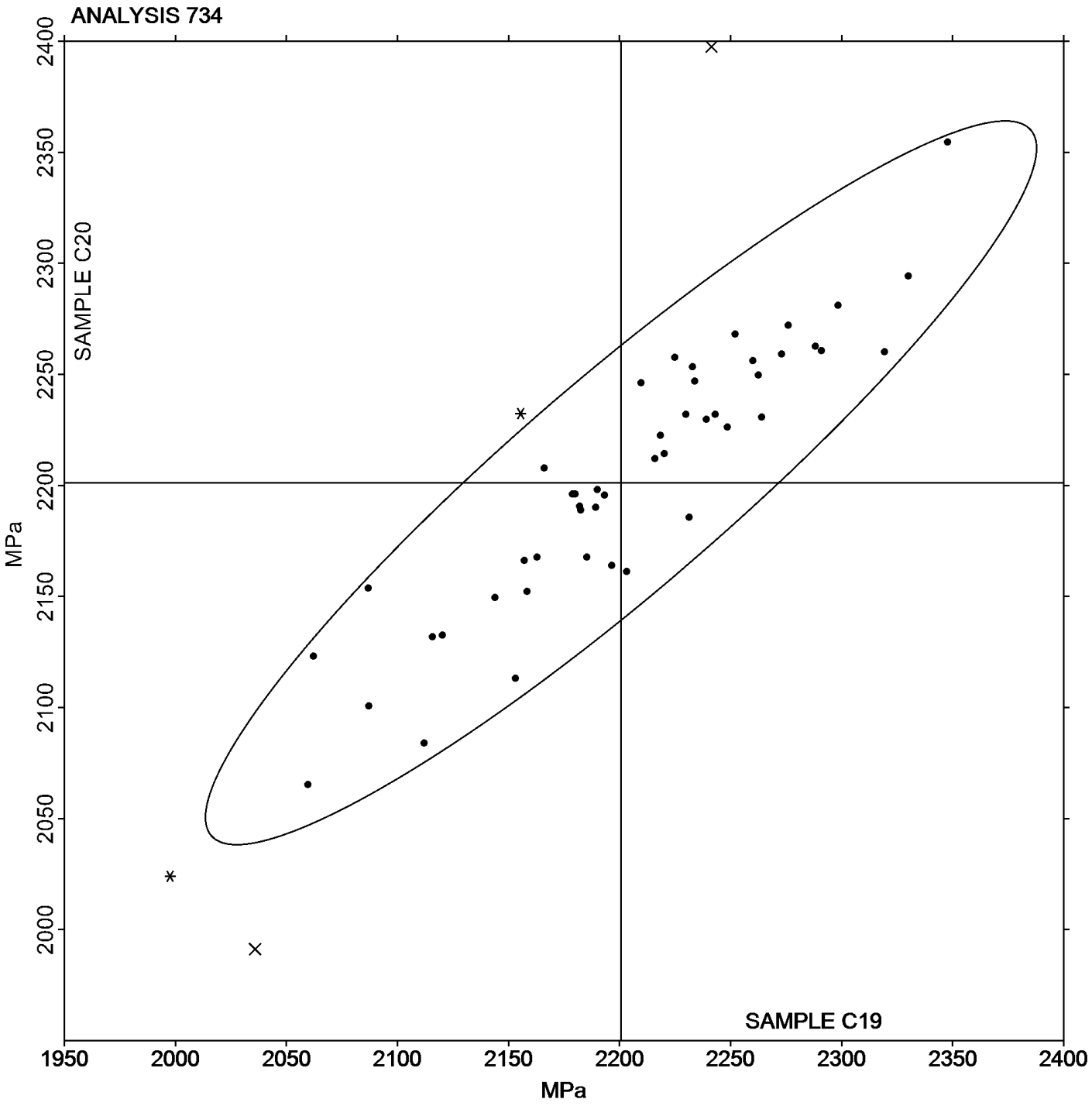
MQKVCU (X) - Data for both samples are low. Possible Systematic Error.

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

UNRLRT (X) - Data for sample C20 are low.

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Grand Mean Sample C19: 2,200.65 MPa Grand Mean Sample C20: 2,201.17 MPa



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WebCode	Data Flag	Sample K19 Lab Mean	Sample K19 Diff from Grand Mean	Sample K19 CPV	Sample K20 Lab Mean	Sample K20 Diff from Grand Mean	Sample K20 CPV
22CMED		2,311	-22	-0.29	2,331	-9	-0.12
27RXQV		2,328	-4	-0.06	2,381	41	0.58
2CXQKQ		2,478	145	1.92	2,471	131	1.84
2QZZQL		2,317	-16	-0.21	2,346	6	0.08
3D74Z8		2,316	-16	-0.22	2,312	-28	-0.39
3K3VBM		2,312	-20	-0.27	2,300	-40	-0.56
3QM8YM		2,259	-73	-0.97	2,237	-102	-1.43
67VRXR		2,343	11	0.14	2,358	19	0.26
7GCVKG		2,344	12	0.15	2,348	8	0.12
7UFBGK		2,282	-50	-0.67	2,293	-46	-0.65
8TLXFD		2,338	6	0.07	2,347	7	0.10
8WDBUM	*	2,540	208	2.75	2,538	198	2.78
9LEX9F		2,371	39	0.51	2,397	57	0.80
AYZHGG		2,282	-51	-0.67	2,290	-50	-0.70
B3TY8F		2,220	-113	-1.49	2,253	-87	-1.22
B8A46B	X	1,198	-1,134	-15.01	1,212	-1,128	-15.80
BBMYVF	X	4,609	2,276	30.12	4,608	2,268	31.78
CDA3T6		2,161	-172	-2.27	2,193	-146	-2.05
CYDNTB		2,226	-106	-1.41	2,220	-120	-1.68
DUEWXJ		2,295	-37	-0.49	2,292	-47	-0.66
DXXQYQ		2,241	-92	-1.21	2,268	-71	-1.00
EDKNDQ		2,308	-24	-0.32	2,315	-25	-0.35
FJ74JA	X	14	-2,318	-30.68	14	-2,326	-32.58
FPWB64	X	2	-2,330	-30.83	2	-2,337	-32.74
G9FN76		2,390	57	0.76	2,399	59	0.83
HNBJ4H		2,281	-51	-0.68	2,288	-51	-0.72
HVTRRE	*	2,429	97	1.28	2,384	45	0.63
J2CFZP		2,188	-144	-1.91	2,202	-138	-1.93
J86EG6		2,311	-21	-0.28	2,308	-31	-0.44
JUVY8E	X	2,658	326	4.31	2,634	295	4.13
KHG26W		2,269	-64	-0.85	2,266	-73	-1.03
LU6W92		2,310	-23	-0.30	2,311	-29	-0.40
LYDXQY		2,348	16	0.21	2,335	-5	-0.07
M2FHQ4		2,309	-23	-0.31	2,315	-25	-0.35
N7CCEX		2,357	25	0.33	2,390	51	0.71

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WebCode	Data Flag	Sample K19 Lab Mean	Sample K19 Diff from Grand Mean	Sample K19 CPV	Sample K20 Lab Mean	Sample K20 Diff from Grand Mean	Sample K20 CPV
NCVP3X		2,310	-22	-0.30	2,324	-16	-0.22
NWZ8DZ		2,320	-13	-0.17	2,334	-5	-0.08
P3RK3V	X	2,612	280	3.70	2,454	115	1.60
P76ETZ		2,350	18	0.23	2,316	-24	-0.33
PBMPUB	X	1,982	-351	-4.64	1,979	-360	-5.05
R8DJ6E		2,332	0	-0.01	2,346	6	0.09
RPE7WE		2,415	83	1.09	2,423	83	1.16
U2GER2		2,340	8	0.10	2,341	1	0.02
U6HFRX		2,302	-30	-0.40	2,338	-2	-0.03
UATQJT		2,394	62	0.82	2,385	45	0.64
UXKMJ6		2,439	107	1.41	2,448	109	1.52
VFYJEN		2,427	95	1.26	2,429	90	1.26
VTKYF3		2,314	-18	-0.24	2,349	10	0.14
XTA4NR		2,402	69	0.91	2,402	62	0.87
YAC3AZ		2,484	152	2.01	2,470	130	1.82
ZJH8ZV		2,336	4	0.05	2,351	11	0.16
ZKDQ2X	X	2,286	-46	-0.62	2,476	137	1.92

Summary Statistics

	Sample K19	Sample K20
Grand Means	2,332.5 MPa	2,339.7 MPa
Stnd Dev Btwn Labs	75.6 MPa	71.4 MPa

Statistics based on 44 of 52 reporting participants

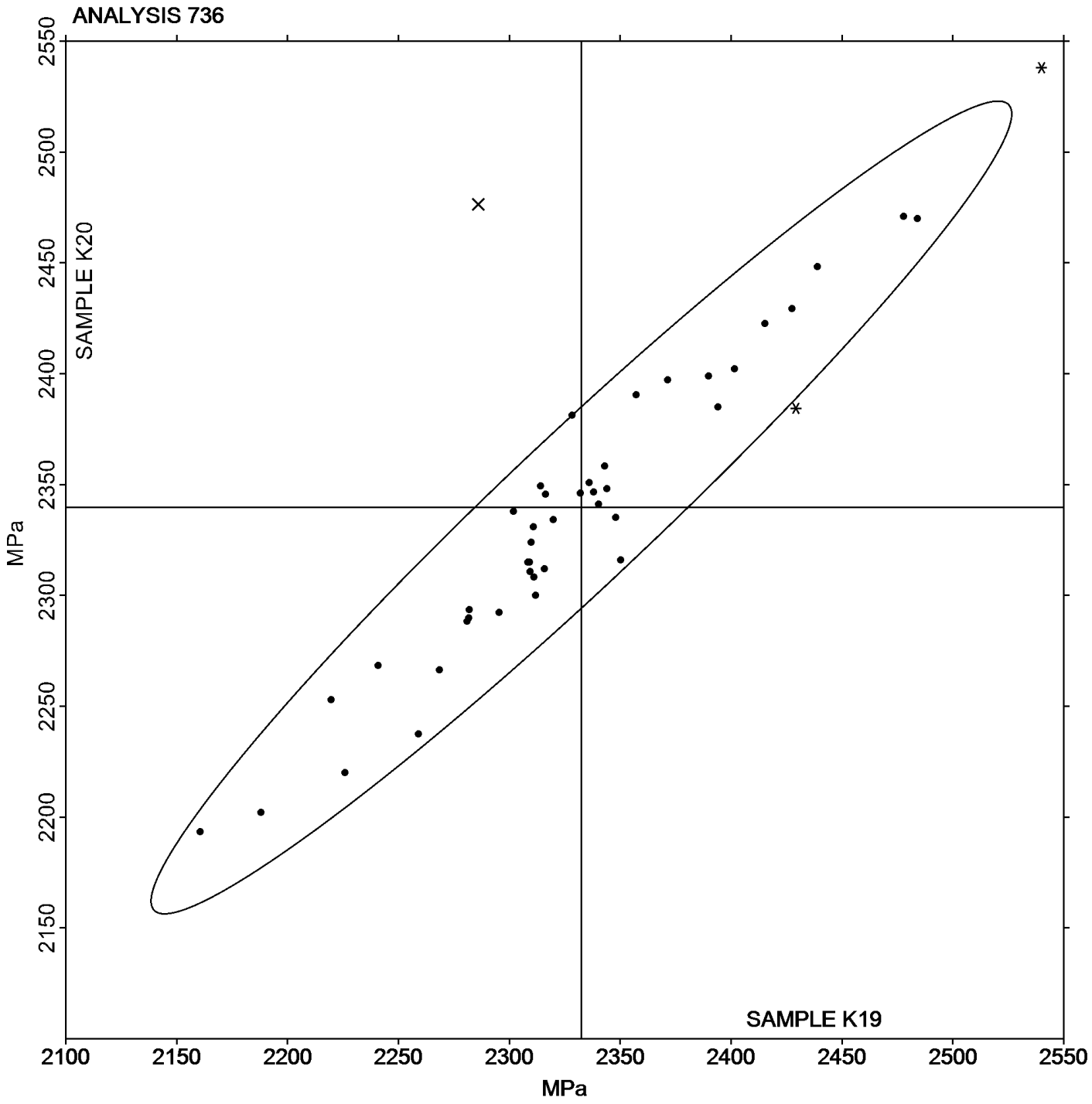
Sample K19: HIPS & Sample K20: HIPS

Comments on Assigned Data Flags for Test #736

JUVY8E (X) - Data for both samples are high. Possible Systematic Error.
PBMPUB (X) - Data for both samples are low. Possible Systematic Error.
ZKDQ2X (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample K20.
FJ74JA (X) - Extreme data.
B8A46B (X) - Data for both samples are low.
FPWB64 (X) - Extreme data.
P3RK3V (X) - Data for sample K19 are high. Inconsistent within the determinations of sample K19.
BBMYVF (X) - Extreme data.

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Grand Mean Sample K19: 2,332.49 MPa Grand Mean Sample K20: 2,339.67 MPa



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WebCode	Data Flag	Sample K19 Lab Mean	Sample K19 Diff from Grand Mean	Sample K19 CPV	Sample K20 Lab Mean	Sample K20 Diff from Grand Mean	Sample K20 CPV
22CMED		41.69	-0.15	-0.16	41.76	-0.10	-0.11
2CXQKQ		42.23	0.39	0.39	42.24	0.37	0.38
2QZZQL		43.45	1.61	1.62	43.58	1.72	1.75
3QM8YM		39.62	-2.22	-2.24	39.80	-2.06	-2.11
67VRXR		41.70	-0.14	-0.14	42.09	0.23	0.23
7GCVKG		42.63	0.79	0.80	42.48	0.62	0.63
7UFBGK		41.02	-0.82	-0.82	41.09	-0.77	-0.79
8TLXFD		41.67	-0.17	-0.17	41.49	-0.38	-0.38
8WDBUM		41.94	0.10	0.10	41.60	-0.26	-0.27
9LEX9F		43.35	1.51	1.53	43.31	1.44	1.47
AYZHGG		42.45	0.61	0.62	42.34	0.48	0.49
B3TY8F		42.33	0.49	0.49	42.79	0.93	0.95
B8A46B	X	31.36	-10.48	-10.57	31.57	-10.29	-10.50
BBMYVF	X	63.92	22.08	22.26	63.55	21.69	22.12
CDA3T6		42.14	0.30	0.31	41.97	0.11	0.11
CYDNTB		40.52	-1.32	-1.33	40.10	-1.76	-1.80
DUEWXJ		41.71	-0.13	-0.13	41.67	-0.20	-0.20
DXXQYQ		40.90	-0.94	-0.95	41.16	-0.70	-0.72
EDKNDQ		41.82	-0.02	-0.02	41.97	0.11	0.11
FJ74JA	X	0.24	-41.60	-41.94	0.25	-41.62	-42.44
FPWB64		43.46	1.62	1.63	43.22	1.36	1.38
HNBJ4H		41.74	-0.10	-0.10	41.92	0.06	0.06
J2CFZP		41.84	0.00	0.00	42.14	0.28	0.28
J86EG6		41.50	-0.34	-0.34	41.34	-0.52	-0.53
JUVY8E	X	42.20	0.36	0.36	41.24	-0.63	-0.64
KHG26W		40.84	-1.00	-1.01	40.94	-0.92	-0.94
LYDXQY	X	36.82	-5.02	-5.06	36.78	-5.08	-5.18
M2FHQ4		41.22	-0.62	-0.62	41.05	-0.81	-0.83
N7CCEX		41.53	-0.31	-0.31	42.13	0.27	0.27
NCVP3X		41.54	-0.30	-0.30	41.42	-0.44	-0.45
NWZ8DZ		41.76	-0.08	-0.08	41.78	-0.08	-0.08
P3RK3V		44.12	2.28	2.29	44.00	2.13	2.17
P76ETZ	X	37.64	-4.20	-4.24	37.38	-4.48	-4.57
PBMPUB	*	39.24	-2.60	-2.62	39.36	-2.50	-2.55
R8DJ6E		41.96	0.12	0.12	42.12	0.26	0.26

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WebCode	Data Flag	Sample K19 Lab Mean	Sample K19 Diff from Grand Mean	Sample K19 CPV	Sample K20 Lab Mean	Sample K20 Diff from Grand Mean	Sample K20 CPV
U2GER2		42.52	0.68	0.68	42.53	0.66	0.68
UATQJT		41.72	-0.12	-0.12	41.49	-0.37	-0.38
UXKMJ6		42.83	0.99	1.00	42.96	1.09	1.11
VFYJEN		42.63	0.79	0.80	42.27	0.41	0.41
VTKYF3	X	39.83	-2.01	-2.02	36.69	-5.17	-5.27
XTA4NR		40.74	-1.10	-1.11	40.86	-1.00	-1.02
YAC3AZ	X	39.20	-2.64	-2.67	40.27	-1.60	-1.63
ZJH8ZV		42.20	0.36	0.37	42.48	0.62	0.63
ZKDQ2X		41.67	-0.17	-0.17	41.67	-0.20	-0.20

Summary Statistics

	Sample K19	Sample K20
Grand Means	41.840 MPa	41.865 MPa
Stnd Dev Btwn Labs	0.992 MPa	0.981 MPa

Statistics based on 36 of 44 reporting participants

Sample K19: HIPS & Sample K20: HIPS

Comments on Assigned Data Flags for Test #737

JUVY8E (X) - Inconsistent in testing between samples. Inconsistent within the determinations of both samples.

YAC3AZ (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample K19.

VTKYF3 (X) - Data for sample K20 are low. Inconsistent within the determinations of both samples.

FJ74JA (X) - Extreme data.

B8A46B (X) - Data for both samples are low. Possible Systematic Error.

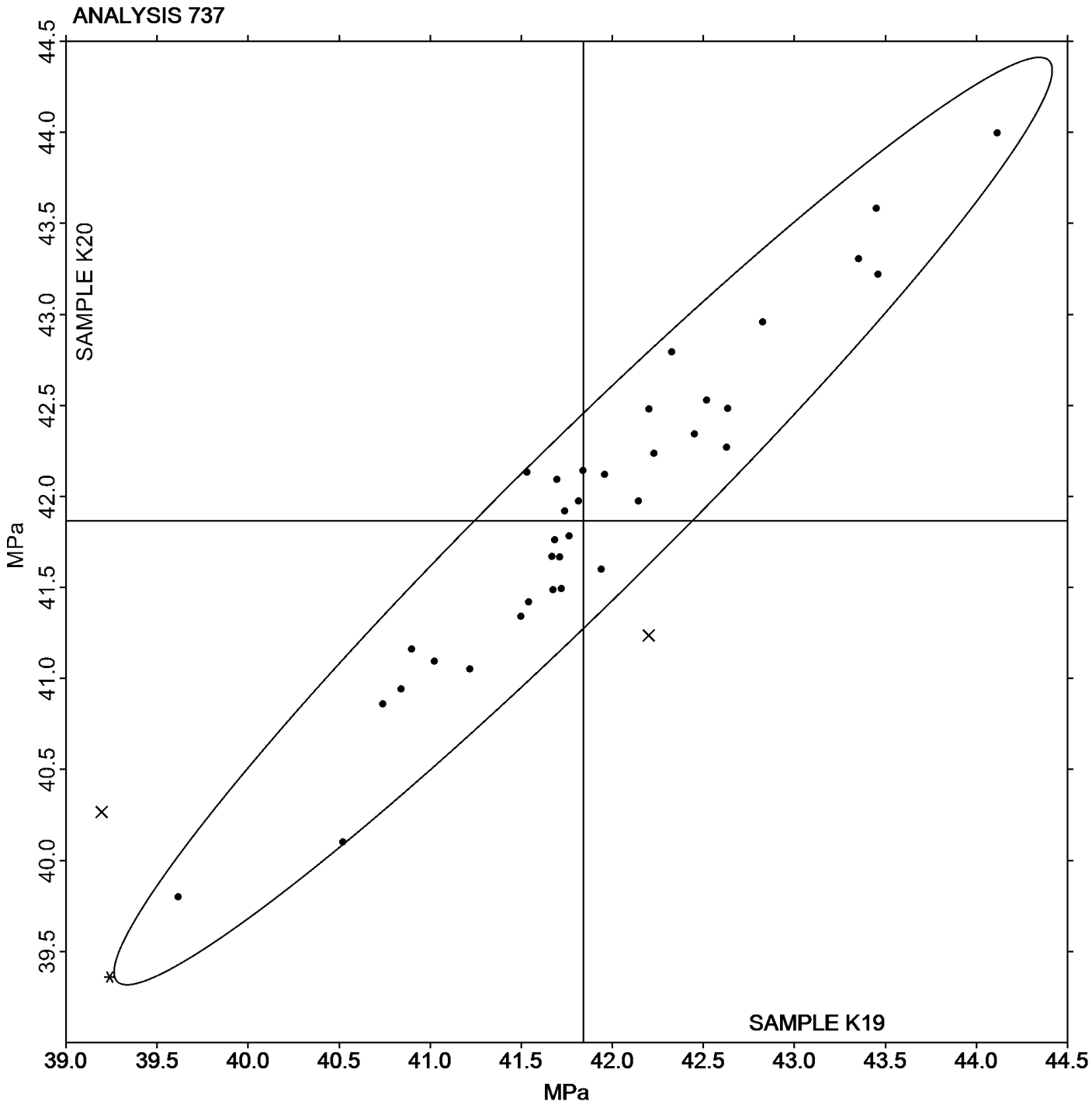
BBMYVF (X) - Data for both samples are high. Possible Systematic Error.

P76ETZ (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of sample K20.

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

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Grand Mean Sample K19: 41.840 MPa Grand Mean Sample K20: 41.865 MPa



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WebCode	Data Flag	Sample K19 Lab Mean	Sample K19 Diff from Grand Mean	Sample K19 CPV	Sample K20 Lab Mean	Sample K20 Diff from Grand Mean	Sample K20 CPV
22CMED		42.13	-0.26	-0.14	42.19	-0.26	-0.13
27RXQV		42.63	0.24	0.13	42.91	0.47	0.24
2CXQKQ		42.93	0.54	0.30	43.13	0.68	0.35
67VRXR		42.23	-0.16	-0.09	42.68	0.24	0.12
7GCVKG		43.84	1.45	0.80	43.63	1.18	0.61
7UFBGK		41.69	-0.70	-0.39	41.96	-0.49	-0.25
8TLXFD		43.12	0.73	0.40	43.42	0.97	0.50
8WDBUM		42.46	0.07	0.04	41.60	-0.85	-0.44
AYZHGG		43.65	1.26	0.69	43.48	1.03	0.53
B8A46B	X	33.84	-8.55	-4.70	34.12	-8.33	-4.31
CDA3T6		45.30	2.91	1.60	45.18	2.73	1.41
CYDNTB		41.14	-1.25	-0.69	40.78	-1.67	-0.86
DUEWXJ		42.33	-0.06	-0.03	42.55	0.11	0.06
DXXQYQ		41.62	-0.77	-0.42	42.00	-0.45	-0.23
EDKNDQ		42.18	-0.21	-0.12	42.38	-0.07	-0.04
FJ74JA	X	0.25	-42.14	-23.15	0.25	-42.20	-21.82
FPWB64		44.77	2.38	1.31	44.60	2.16	1.11
G9FN76	*	47.04	4.65	2.56	47.79	5.34	2.76
HNBJ4H		42.01	-0.38	-0.21	42.14	-0.31	-0.16
J2CFZP		41.84	-0.55	-0.30	42.14	-0.31	-0.16
J86EG6		42.88	0.49	0.27	42.62	0.17	0.09
JUVY8E		42.75	0.36	0.20	41.89	-0.56	-0.29
LU6W92		42.06	-0.33	-0.18	41.76	-0.69	-0.36
LYDXQY	*	36.91	-5.48	-3.01	36.82	-5.63	-2.91
M2FHQ4		42.36	-0.03	-0.02	42.06	-0.39	-0.20
N7CCEX		41.96	-0.43	-0.24	42.50	0.05	0.03
NCVP3X		42.26	-0.13	-0.07	41.98	-0.47	-0.24
NWZ8DZ		41.80	-0.59	-0.32	42.07	-0.38	-0.20
P3RK3V		44.92	2.53	1.39	45.29	2.84	1.47
P76ETZ		38.23	-4.16	-2.28	37.89	-4.56	-2.36
PBMPUB		39.80	-2.59	-1.42	39.84	-2.61	-1.35
R8DJ6E		44.30	1.91	1.05	44.91	2.46	1.27
U2GER2		43.27	0.88	0.48	43.52	1.07	0.56
UATQJT		42.28	-0.11	-0.06	41.92	-0.53	-0.27
VTKYF3	X	40.06	-2.33	-1.28	36.94	-5.51	-2.85

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WebCode	Data Flag	Sample K19 Lab Mean	Sample K19 Diff from Grand Mean	Sample K19 CPV	Sample K20 Lab Mean	Sample K20 Diff from Grand Mean	Sample K20 CPV
XTA4NR		41.14	-1.25	-0.69	41.50	-0.95	-0.49
ZJH8ZV		41.15	-1.24	-0.68	41.57	-0.88	-0.45
ZKDQ2X		42.72	0.33	0.18	42.95	0.50	0.26

Summary Statistics

	Sample K19	Sample K20
Grand Means	42.391 MPa	42.447 MPa
Stnd Dev Btwn Labs	1.820 MPa	1.934 MPa

Statistics based on 35 of 38 reporting participants

Sample K19: HIPS & Sample K20: HIPS

Comments on Assigned Data Flags for Test #738

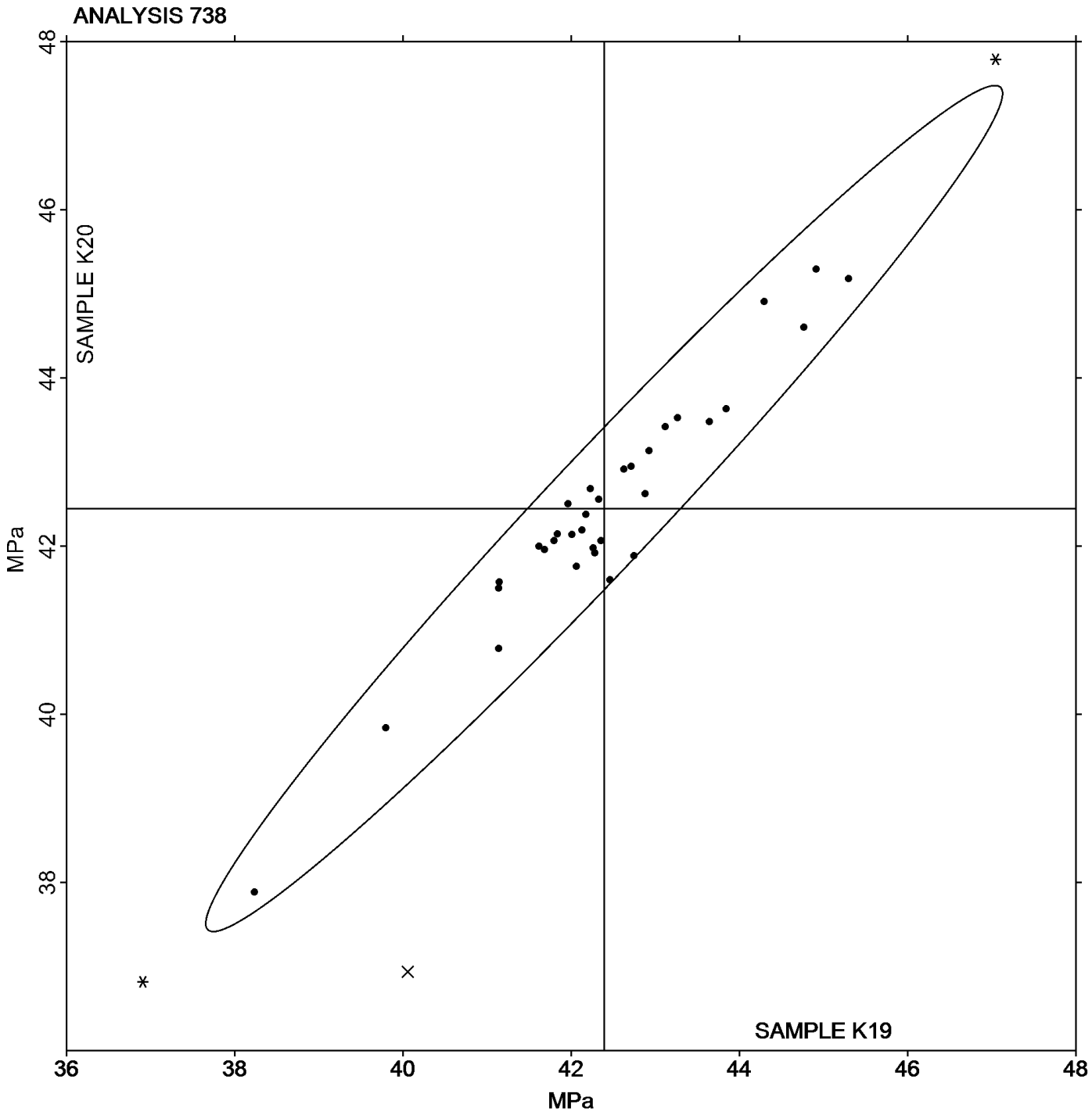
VTKYF3 (X) - Data for sample K20 are low. Inconsistent within the determinations of both samples.

FJ74JA (X) - Extreme data.

B8A46B (X) - Data for both samples are low. Possible Systematic Error.

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Grand Mean Sample K19: 42.391 MPa Grand Mean Sample K20: 42.447 MPa



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WebCode	Data Flag	Sample X19 Lab Mean	Sample X19 Diff from Grand Mean	Sample X19 CPV	Sample X20 Lab Mean	Sample X20 Diff from Grand Mean	Sample X20 CPV	Instr Code
27RXQV		6.14	-0.24	-1.08	6.28	-0.10	-0.41	TO
2CXQKQ		6.15	-0.23	-1.04	6.15	-0.23	-0.91	WZ
2QZZQL		6.48	0.10	0.42	6.50	0.12	0.48	DY
3D74Z8		6.65	0.27	1.18	6.71	0.33	1.33	XX
3K3VBM		6.53	0.14	0.63	6.70	0.32	1.27	XX
3QM8YM		6.39	0.00	0.02	6.32	-0.06	-0.23	XX
44V2E8		6.86	0.48	2.11	6.99	0.61	2.44	TO
4FR8AQ		6.55	0.17	0.74	6.60	0.22	0.89	CE
4TF83D	*	6.97	0.58	2.58	6.94	0.56	2.25	TO
6AVZ32		6.24	-0.15	-0.65	6.19	-0.19	-0.74	TO
78P26E	X	5.55	-0.83	-3.70	5.90	-0.48	-1.93	TO
7FGCJF		6.25	-0.13	-0.59	6.40	0.02	0.09	CE
7GCVKG		6.66	0.28	1.23	6.65	0.27	1.07	GO
7HMUGB		6.40	0.02	0.07	6.40	0.02	0.09	TO
7L46TU		6.64	0.25	1.12	6.66	0.29	1.15	TO
7T4L2E		6.15	-0.23	-1.04	6.10	-0.28	-1.11	TO
88KYWK		6.59	0.20	0.89	6.77	0.39	1.55	TO
89EP3Z	X	7.30	0.92	4.07	7.38	1.00	4.00	WZ
8TLXFD		6.22	-0.16	-0.73	6.24	-0.14	-0.57	WZ
8WDBUM		6.00	-0.38	-1.70	6.00	-0.38	-1.51	TO
9APPYU		6.28	-0.10	-0.46	6.32	-0.06	-0.25	TO
9HY3TJ		6.46	0.07	0.33	6.47	0.09	0.38	TO
9LEX9F		6.26	-0.12	-0.55	6.15	-0.23	-0.91	DY
9V3ECN		6.35	-0.03	-0.15	6.15	-0.23	-0.91	DY
B8A46B	*	6.56	0.18	0.79	6.79	0.41	1.63	TY
BRXTBW	X	7.58	1.19	5.29	7.35	0.97	3.86	WZ
BZ9UWW		6.24	-0.15	-0.66	6.03	-0.35	-1.39	WZ
CDA3T6		6.30	-0.08	-0.37	6.30	-0.08	-0.31	WZ
CYDNTB		6.64	0.26	1.13	6.72	0.34	1.35	GO
DA4UC9		6.30	-0.08	-0.36	6.29	-0.09	-0.36	TO
DUEWXJ	X	6.80	0.42	1.85	7.10	0.72	2.88	TO
DXXQYQ		6.47	0.09	0.39	6.45	0.08	0.30	DY
EDKNDQ		6.66	0.27	1.22	6.57	0.19	0.77	TO
F69PL2		6.43	0.04	0.18	6.48	0.10	0.41	TO
FPWB64		6.20	-0.18	-0.80	6.14	-0.24	-0.97	CE

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		Sample X19			Sample X20			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
FRY7XE		6.13	-0.26	-1.15	6.07	-0.31	-1.24	CE
G6N94D		6.61	0.23	1.00	6.50	0.12	0.47	TO
G9FN76	X	16.60	10.21	45.34	15.82	9.44	37.67	TO
G9K744	X	5.78	-0.60	-2.67	5.98	-0.40	-1.59	WZ
GBQKZA		6.60	0.22	0.96	6.50	0.12	0.49	TO
GCJB7N		6.60	0.21	0.94	6.67	0.29	1.15	GO
GLQ8R8		5.95	-0.43	-1.93	6.05	-0.33	-1.31	TO
GW736K		6.59	0.21	0.92	6.57	0.19	0.77	CE
HNBJ4H	X	4.90	-1.48	-6.57	5.09	-1.29	-5.16	TO
HVTRRE	X	6.60	0.21	0.94	6.27	-0.11	-0.43	TO
J2CFZP		6.52	0.14	0.61	6.54	0.16	0.63	WZ
J86EG6	*	5.80	-0.59	-2.61	5.83	-0.55	-2.19	GO
KX9Y67		6.15	-0.23	-1.04	6.15	-0.23	-0.91	KA
KY3PBK		6.52	0.13	0.58	6.52	0.14	0.57	TO
LUK229	X	8.78	2.40	10.64	8.54	2.16	8.63	TO
LYDXQY	X	5.10	-1.28	-5.70	5.08	-1.30	-5.18	XX
M2FHQ4		6.43	0.05	0.21	6.41	0.03	0.11	WZ
MC6X8T		6.40	0.01	0.05	6.22	-0.16	-0.65	TO
MGDAYZ	X	6.11	-0.28	-1.23	0.61	-5.77	-23.04	TO
MN24ZR		6.35	-0.04	-0.17	6.34	-0.04	-0.17	TO
MQHHEZ		6.16	-0.23	-1.01	6.10	-0.28	-1.11	CS
N7CCEX		6.10	-0.29	-1.28	6.19	-0.19	-0.77	TO
NDVHB4		6.25	-0.13	-0.59	6.20	-0.18	-0.71	DY
NWZ8DZ	X	8.00	1.62	7.18	7.80	1.42	5.68	CE
P3RK3V		6.50	0.12	0.52	6.60	0.22	0.89	TO
PAQAHD		6.18	-0.20	-0.90	6.20	-0.18	-0.73	TO
PBMPUB		6.52	0.13	0.59	6.44	0.06	0.25	CE
PLY34Y		6.26	-0.12	-0.55	6.27	-0.11	-0.45	TO
QCDBZ8		6.50	0.12	0.52	6.50	0.12	0.49	WZ
R8XZM3		6.50	0.12	0.53	6.53	0.15	0.59	TO
RNKFQY		6.57	0.18	0.82	6.48	0.10	0.42	GO
RPE7WE	X	6.33	-0.06	-0.26	6.73	0.35	1.39	TO
TFM8JD		5.90	-0.48	-2.15	5.80	-0.58	-2.31	KA
THP7VR		6.14	-0.25	-1.10	6.03	-0.35	-1.39	TO
U2GER2		6.37	-0.01	-0.06	6.32	-0.06	-0.23	TO

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WebCode	Data Flag	Sample X19 Lab Mean	Sample X19 Diff from Grand Mean	Sample X19 CPV	Sample X20 Lab Mean	Sample X20 Diff from Grand Mean	Sample X20 CPV	Instr Code
U6HFRX	X	7.16	0.78	3.46	6.79	0.42	1.66	TO
UATQJT		6.25	-0.13	-0.59	6.25	-0.13	-0.51	WZ
UXKMJ6		6.52	0.14	0.60	6.45	0.07	0.30	DY
VFYJEN		6.48	0.09	0.41	6.46	0.08	0.31	TO
VTKYF3		6.25	-0.13	-0.59	6.25	-0.13	-0.51	TO
XM3M7Q		6.29	-0.10	-0.44	6.19	-0.19	-0.77	WZ
XTA4NR		6.63	0.25	1.09	6.62	0.24	0.95	TO
YAC3AZ	X	3.66	-2.72	-12.09	3.78	-2.60	-10.38	DY
ZJH8ZV	X	5.45	-0.93	-4.15	5.85	-0.53	-2.11	WZ
ZKDQ2X		6.60	0.22	0.96	6.55	0.17	0.69	TO

Summary Statistics

	Sample X19	Sample X20
Grand Means	6.384 grams/10 mins	6.378 grams/10 mins
Stnd Dev Btwn Labs	0.225 grams/10 mins	0.250 grams/10 mins

Statistics based on 64 of 80 reporting participants

Sample X19: LDPE & Sample X20: LDPE

Comments on Assigned Data Flags for Test #750

BRXTBW (X) - Data for both samples are high. Possible Systematic Error.
89EP3Z (X) - Data for both samples are high. Possible Systematic Error.
RPE7WE (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample X19.
HNBJ4H (X) - Data for both samples are low. Possible Systematic Error.
YAC3AZ (X) - Data for both samples are low. Possible Systematic Error.
HVTRRE (X) - Inconsistent in testing between samples.
ZJH8ZV (X) - Data for sample X19 are low.
DUEWXJ (X) - Data for sample X20 are high. Inconsistent within the determinations of sample X20.
U6HFRX (X) - Data for sample X19 are high.
78P26E (X) - Data for sample X19 are low.
LUK229 (X) - Data for both samples are high. Possible Systematic Error.
NWZ8DZ (X) - Data for both samples are high. Possible Systematic Error.
G9K744 (X) - Inconsistent in testing between samples.
LYDXQY (X) - Data for both samples are low. Possible Systematic Error.
MGDAYZ (X) - Data for sample X20 are low.
G9FN76 (X) - Extreme data.

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Results by Methodology (as reported by laboratory)

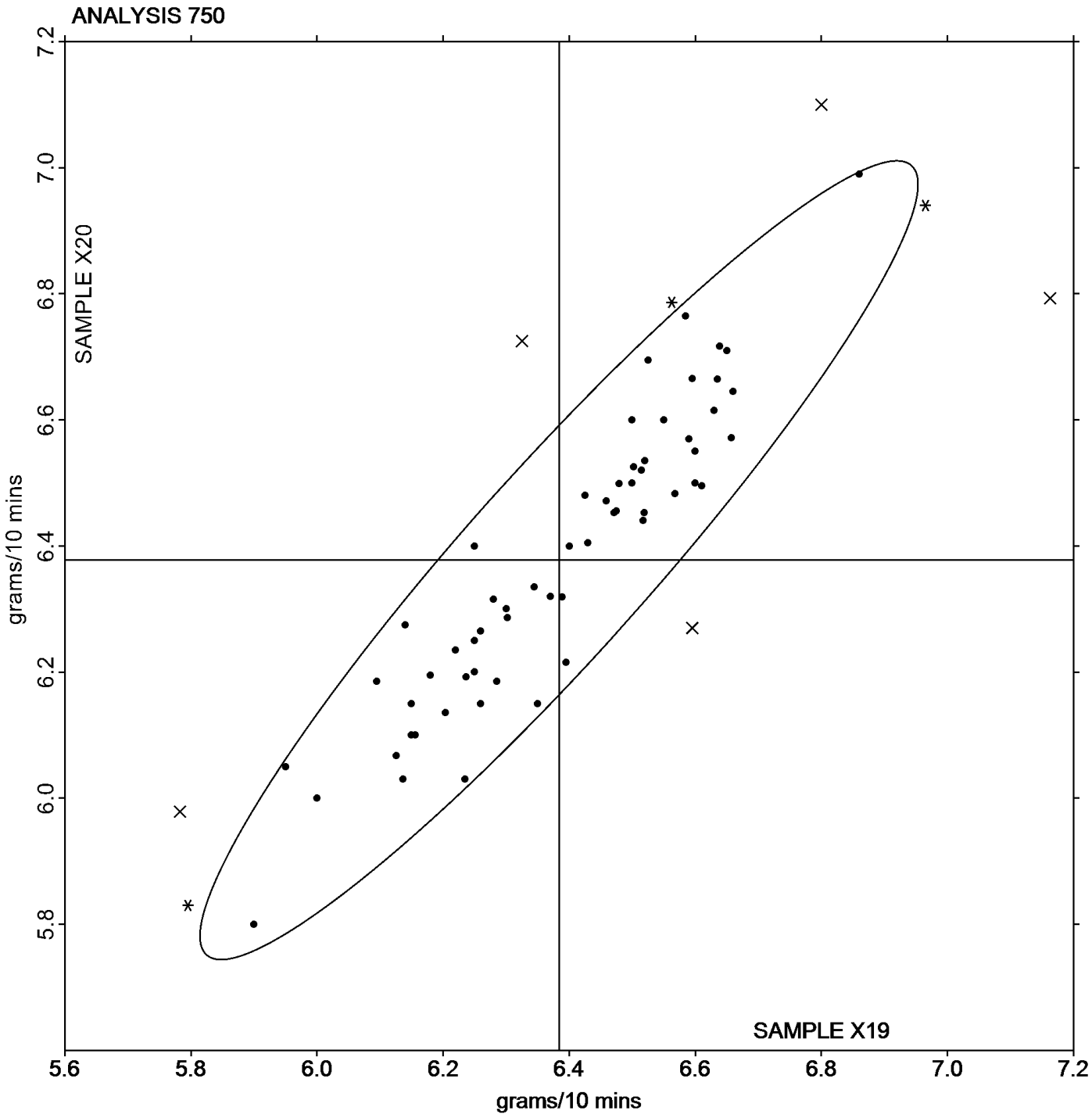
Test Methodology	Sample X19 LDPE Group Mean	Sample X19 LDPE Btwn Lab STD	Sample X19 LDPE Diff from GM	Sample X20 LDPE Group Mean	Sample X20 LDPE Btwn Lab STD	Sample X20 LDPE Diff from GM	Labs Incl / Rpt
Procedure A of ASTM D1238	6.367	0.214	-0.017	6.369	0.238	-0.009	33/40
Procedure B of ASTM D1238	6.460	0.270	0.076	6.468	0.275	0.090	11/13
Procedure A of ISO 1133	6.370	0.209	-0.013	6.332	0.229	-0.046	11/16
Procedure B of ISO 1133	6.368	0.248	-0.016	6.355	0.303	-0.022	9/11

Key to Instrument Codes Reported by Participants

CE Ceast
CS CSI
DY Dynisco
GO Gottfert
KA Kayeness
TO Tinius Olsen
TY Toyoseiki Seisakusho
WZ Zwick
XX Instrument manufacturer not specified by lab

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Grand Mean Sample X19: 6.3837 grams/10 mins Grand Mean Sample X20: 6.3776 grams/10 mins



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WebCode	Data Flag	Sample Y19 Lab Mean	Sample Y19 Diff from Grand Mean	Sample Y19 CPV	Sample Y20 Lab Mean	Sample Y20 Diff from Grand Mean	Sample Y20 CPV	Instr Code
2QZZQL		0.13377	0.00489	0.28	0.12983	0.00390	0.22	MJ
3QM8YM		0.14633	0.01745	1.01	0.15100	0.02506	1.44	XX
7HMUGB		0.11927	-0.00961	-0.56	0.09987	-0.02607	-1.50	CT
8TLXFD		0.09633	-0.03255	-1.88	0.08737	-0.03857	-2.22	MU
9LEX9F		0.14510	0.01622	0.94	0.14247	0.01653	0.95	BA
9V3ECN		0.16367	0.03479	2.01	0.14583	0.01990	1.15	AZ
BBMYVF		0.10200	-0.02688	-1.55	0.09667	-0.02927	-1.69	SB
DUEWXJ		0.11900	-0.00988	-0.57	0.11850	-0.00744	-0.43	MU
FJ74JA		0.13050	0.00162	0.09	0.11650	-0.00944	-0.54	MU
FPWB64		0.12600	-0.00288	-0.17	0.11700	-0.00894	-0.51	MU
G48CDY		0.14833	0.01945	1.12	0.14000	0.01406	0.81	CS
GBQKZA		0.10033	-0.02855	-1.65	0.10000	-0.02594	-1.49	BA
HNBJ4H		0.13347	0.00459	0.27	0.13427	0.00833	0.48	ML
HVTRRE		0.12333	-0.00555	-0.32	0.12100	-0.00494	-0.28	XX
MC6X8T	X	0.18233	0.05345	3.09	0.13100	0.00506	0.29	MU
MLQYM4		0.12333	-0.00555	-0.32	0.14000	0.01406	0.81	MU
MQHHEZ	X	0.01000	-0.11888	-6.87	0.01000	-0.11594	-6.68	XX
MQKVCU		0.14533	0.01645	0.95	0.14000	0.01406	0.81	XX
N7CCEX		0.13000	0.00112	0.06	0.12633	0.00040	0.02	MU
NDVHB4		0.13633	0.00745	0.43	0.13500	0.00906	0.52	AZ
P76ETZ		0.12433	-0.00455	-0.26	0.12900	0.00306	0.18	CT
PBMPUB		0.14035	0.01147	0.66	0.13417	0.00824	0.47	MK
PLY34Y		0.11900	-0.00988	-0.57	0.12467	-0.00127	-0.07	XX
QWGW3Y		0.15167	0.02279	1.32	0.14667	0.02073	1.19	MU
R8DJ6E		0.13000	0.00112	0.06	0.12600	0.00006	0.00	MU
THP7VR	X	0.13930	0.01042	0.60	0.18267	0.05673	3.27	XX
UATQJT		0.10500	-0.02388	-1.38	0.10500	-0.02094	-1.21	MU
UNRLRT		0.11033	-0.01855	-1.07	0.10667	-0.01927	-1.11	BA
UXKMJ6		0.13820	0.00932	0.54	0.13283	0.00690	0.40	CT
VTKYF3	X	0.20367	0.07479	4.32	0.20733	0.08140	4.69	MU
XTA4NR		0.16000	0.03112	1.80	0.15667	0.03073	1.77	AZ
XTCMNN		0.12150	-0.00738	-0.43	0.11650	-0.00944	-0.54	MU
YCKFR2	X	0.08000	-0.04888	-2.82	0.13000	0.00406	0.23	XX
ZJH8ZV		0.11467	-0.01421	-0.82	0.13233	0.00640	0.37	MU

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Summary Statistics	Sample Y19	Sample Y20
Grand Means	0.128879 Percent	0.125936 Percent
Stnd Dev Btwn Labs	0.017304 Percent	0.017365 Percent

Statistics based on 29 of 34 reporting participants

Sample Y19: ABS/PC & Sample Y20: ABS/PC

Comments on Assigned Data Flags for Test #755

YCKFR2 (X) - Data for sample Y19 are low.

VTKYF3 (X) - Data for both samples are high. Possible Systematic Error.

THP7VR (X) - Data for sample Y20 are high. Inconsistent within the determinations of both samples.

MC6X8T (X) - Data for sample Y19 are high.

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

Results by Methodology (as reported by laboratory)

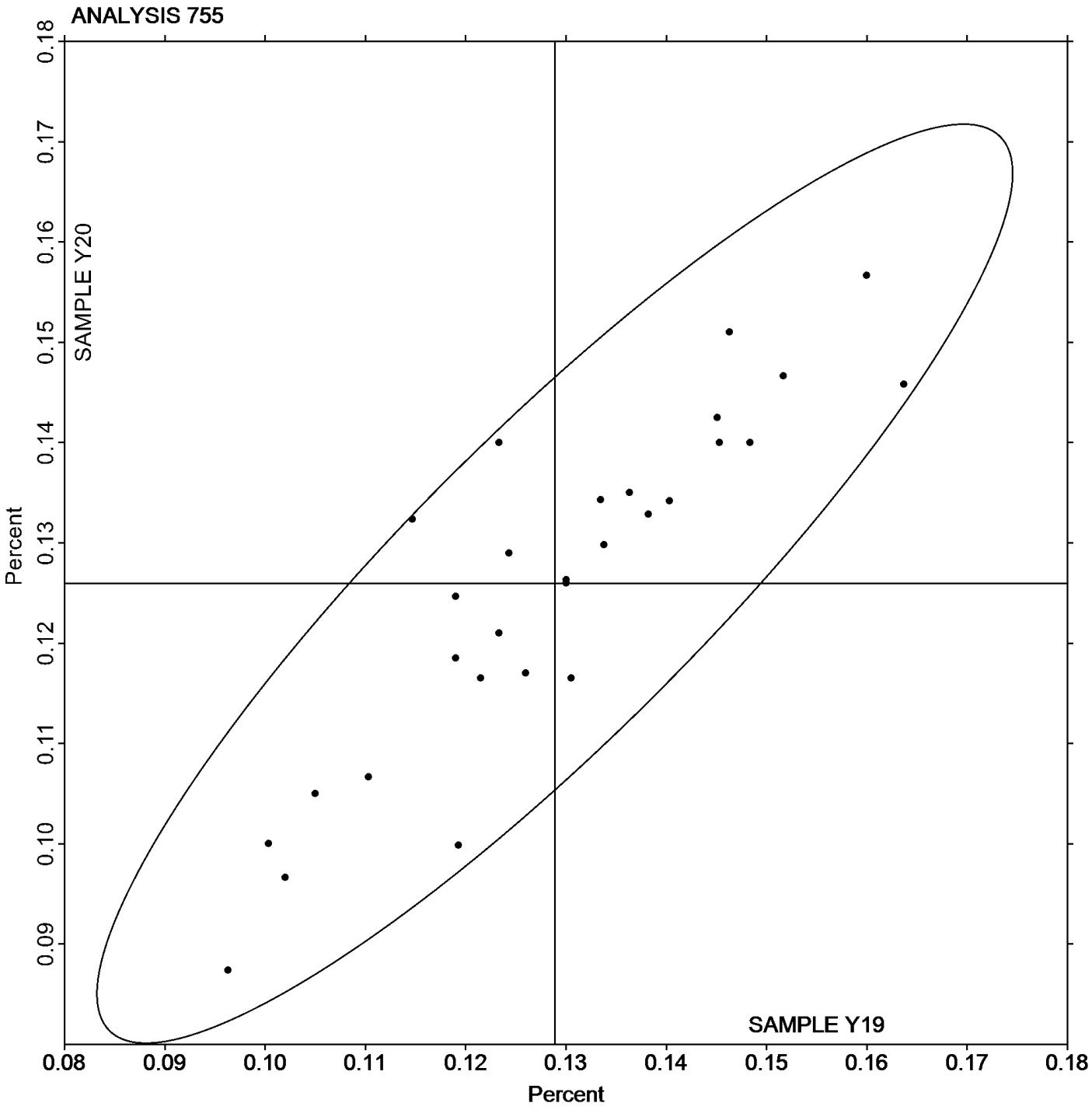
	Sample Y19 *ABS/PC*			Sample Y20 *ABS/PC*			
Test Methodology	**Group Mean**	**Btwn Lab STD**	**Diff from GM**	**Group Mean**	**Btwn Lab STD**	**Diff from GM**	**Labs Incl / Rpt**
ASTM D6869	0.134675	0.012268	0.0058	0.130517	0.015512	0.0046	8/10
ISO 15512 Method B	0.120337	0.019167	-0.0085	0.119968	0.022015	-0.0060	4/4
ASTM D6980	0.125587	0.016892	-0.0033	0.123133	0.016783	-0.0028	10/11
ASTM D7191	0.133417	0.027557	0.0045	0.129458	0.023605	0.0035	4/5

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

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Grand Mean Sample Y19: 0.12888 Percent Grand Mean Sample Y20: 0.12594 Percent



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WebCode	Data Flag	Sample L19 Lab Mean	Sample L19 Diff from Grand Mean	Sample L19 CPV	Sample L20 Lab Mean	Sample L20 Diff from Grand Mean	Sample L20 CPV
27RXQV		20.710	-0.075	-1.50	20.695	-0.106	-2.08
2CXQKQ	X	20.755	-0.030	-0.60	20.620	-0.181	-3.56
2QZZQL		20.750	-0.035	-0.70	20.775	-0.026	-0.50
3D74Z8		20.700	-0.085	-1.70	20.710	-0.091	-1.79
3K3VBM		20.720	-0.065	-1.30	20.705	-0.096	-1.88
3QM8YM		20.685	-0.100	-1.99	20.775	-0.026	-0.50
6AVZ32		20.780	-0.005	-0.11	20.795	-0.006	-0.11
78P26E		20.845	0.060	1.18	20.820	0.019	0.38
7GCVKG		20.865	0.080	1.58	20.910	0.109	2.16
7HMUGB	X	19.565	-1.220	-24.23	19.800	-1.001	-19.72
7L46TU		20.767	-0.018	-0.37	20.822	0.021	0.42
7Q3GQE		20.792	0.006	0.12	20.798	-0.003	-0.06
8TLXFD		20.775	-0.011	-0.21	20.787	-0.014	-0.28
8WDBUM	X	20.558	-0.227	-4.51	20.558	-0.243	-4.78
9LEX9F		20.785	0.000	-0.01	20.830	0.029	0.58
BBMYVF		20.805	0.020	0.39	20.825	0.024	0.48
DUEWXJ	*	20.850	0.065	1.28	20.750	-0.051	-1.00
EDKNDQ		20.720	-0.065	-1.30	20.790	-0.011	-0.21
F69PL2		20.773	-0.012	-0.25	20.747	-0.054	-1.07
FJ74JA		20.835	0.050	0.98	20.830	0.029	0.58
FPWB64		20.775	-0.010	-0.21	20.815	0.014	0.28
G48CDY		20.800	0.015	0.29	20.760	-0.041	-0.80
G9K744		20.751	-0.034	-0.68	20.770	-0.031	-0.60
GCJB7N		20.705	-0.080	-1.60	20.755	-0.046	-0.90
GLPHLN		20.845	0.060	1.18	20.845	0.044	0.87
GLQ8R8		20.815	0.030	0.59	20.840	0.039	0.78
HNBJ4H		20.825	0.040	0.79	20.830	0.029	0.58
HVCV3Z		20.800	0.015	0.29	20.816	0.015	0.30
HVTRRE		20.800	0.015	0.29	20.800	-0.001	-0.01
HW8CEW		20.765	-0.020	-0.41	20.815	0.014	0.28
KHG26W		20.785	0.000	-0.01	20.765	-0.036	-0.70
LU6W92	X	20.760	-0.025	-0.50	21.775	0.974	19.20
MC6X8T	X	20.565	-0.220	-4.38	20.675	-0.126	-2.48
MQHHEZ	*	20.800	0.015	0.29	20.910	0.109	2.16
MQKVCU		20.760	-0.025	-0.50	20.750	-0.051	-1.00

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WebCode	Data Flag	Sample L19 Lab Mean	Sample L19 Diff from Grand Mean	Sample L19 CPV	Sample L20 Lab Mean	Sample L20 Diff from Grand Mean	Sample L20 CPV
N7CCEX		20.735	-0.050	-1.00	20.720	-0.081	-1.59
P3RK3V		20.830	0.045	0.88	20.860	0.059	1.17
P76ETZ		20.820	0.035	0.69	20.805	0.004	0.09
PBMPUB	X	20.700	-0.085	-1.70	20.900	0.099	1.96
PLY34Y		20.735	-0.050	-1.00	20.750	-0.051	-1.00
PZL33E		20.880	0.095	1.88	20.805	0.004	0.09
RPE7WE	X	20.475	-0.310	-6.16	20.700	-0.101	-1.98
THP7U7		20.840	0.055	1.08	20.880	0.079	1.56
TXG4V2		20.768	-0.018	-0.36	20.817	0.016	0.31
U2GER2	*	20.680	-0.105	-2.09	20.815	0.014	0.28
U6HFRX		20.825	0.040	0.79	20.815	0.014	0.28
UATQJT		20.830	0.045	0.88	20.835	0.034	0.68
UXKMJ6		20.735	-0.050	-1.00	20.740	-0.061	-1.19
VFYJEN		20.825	0.040	0.79	20.830	0.029	0.58
VTKYF3		20.850	0.065	1.28	20.900	0.099	1.96
VYQRCJ		20.780	-0.005	-0.11	20.759	-0.042	-0.83
Z92MFY		20.850	0.065	1.28	20.850	0.049	0.97
ZJH8ZV		20.765	-0.020	-0.41	20.815	0.014	0.28

Summary Statistics

	Sample L19	Sample L20
Grand Means	20.7854 Percent	20.8006 Percent
Stnd Dev Btwn Labs	0.0504 Percent	0.0507 Percent

Statistics based on 46 of 53 reporting participants

Sample L19: PP & Sample L20: PP

Comments on Assigned Data Flags for Test #757

RPE7WE (X) - Data for sample L19 are low.

PBMPUB (X) - Inconsistent in testing between samples.

2CXQKQ (X) - Data for sample L20 are low.

MC6X8T (X) - Data for sample L19 are low. Inconsistent within the determinations of sample L19.

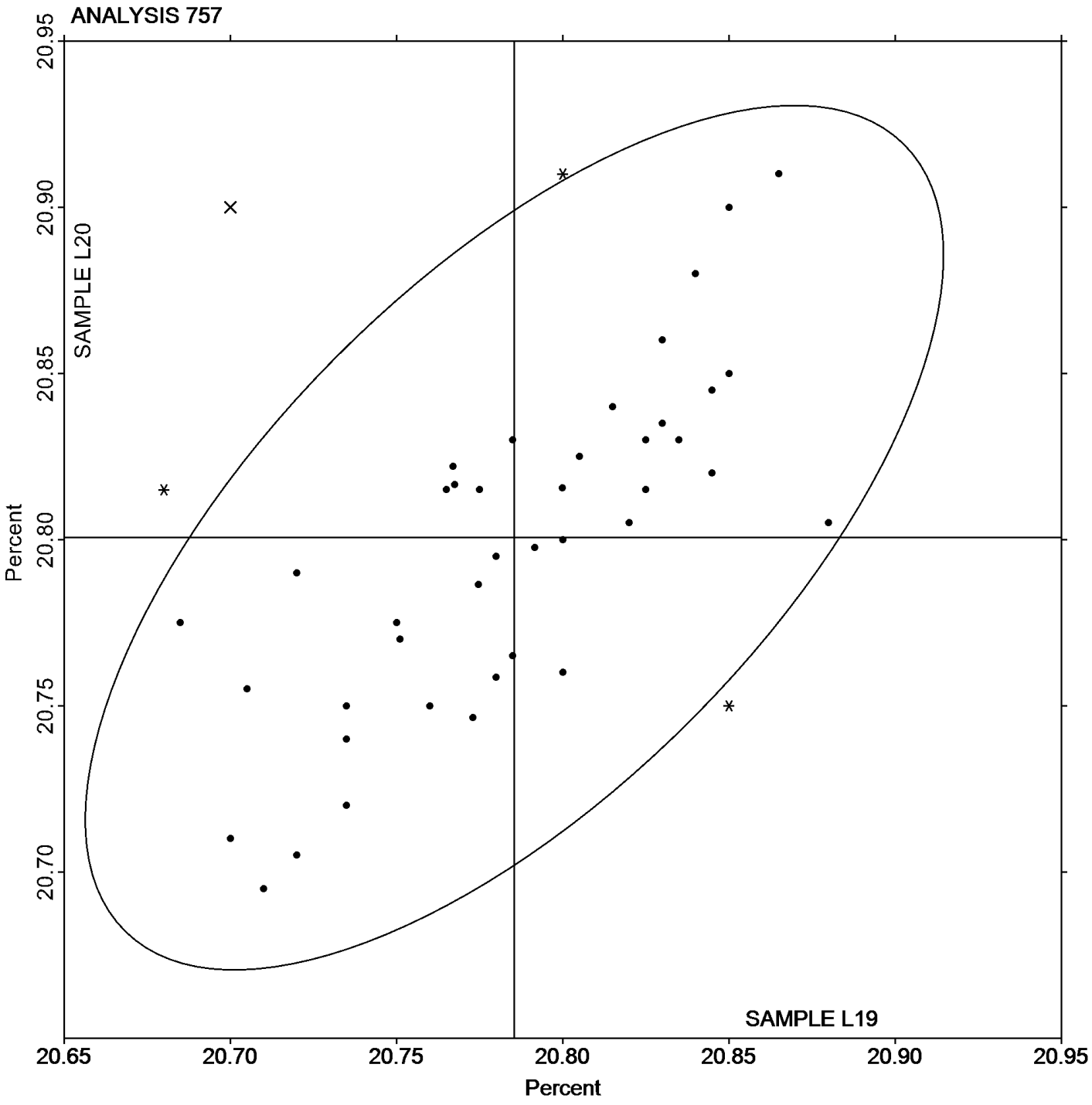
7HMUGB (X) - Data for both samples are low. Inconsistent within the determinations of sample L20.

LU6W92 (X) - Data for sample L20 are high. Inconsistent within the determinations of sample L20.

8WDBUM (X) - Data for both samples are low.

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Grand Mean Sample L19: 20.785 Percent Grand Mean Sample L20: 20.801 Percent



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WebCode	Data Flag	Sample A19 Lab Mean	Sample A19 Diff from Grand Mean	Sample A19 CPV	Sample A20 Lab Mean	Sample A20 Diff from Grand Mean	Sample A20 CPV	Instr Code
2CXQKQ		66.33	-2.62	-1.31	65.78	-2.98	-1.51	TA
2KM9BT		70.59	1.63	0.82	70.70	1.94	0.99	XX
2UYCML		69.74	0.79	0.39	69.75	1.00	0.51	TA
6P6XYL		69.21	0.25	0.13	70.27	1.52	0.77	TA
8HNUFQ		71.16	2.20	1.10	70.55	1.79	0.91	TA
9HY3TJ		70.40	1.45	0.72	70.24	1.49	0.75	TA
AYZHGG		70.23	1.28	0.64	70.33	1.58	0.80	XX
CYDNTB		66.61	-2.34	-1.17	67.03	-1.73	-0.87	TA
E3FQHB		69.16	0.21	0.10	70.35	1.59	0.81	TA
EUBJ3B		70.32	1.37	0.68	69.87	1.12	0.57	TA
FEDQUE	*	70.38	1.42	0.71	67.64	-1.11	-0.56	TA
FPWB64		66.49	-2.46	-1.23	65.43	-3.32	-1.68	TA
GJ4MWB		67.27	-1.68	-0.84	66.87	-1.88	-0.95	NZ
HNBJ4H		65.91	-3.04	-1.52	65.57	-3.18	-1.61	TA
J2CFZP		70.31	1.35	0.68	70.10	1.35	0.68	TA
J86EG6		66.01	-2.94	-1.47	66.48	-2.27	-1.15	XX
JMUMCH		65.34	-3.61	-1.81	65.32	-3.43	-1.74	PE
KHG26W		69.85	0.90	0.45	70.15	1.39	0.71	TA
KJBR9P		70.13	1.18	0.59	70.42	1.66	0.84	TA
NHMPUD		70.51	1.55	0.78	69.54	0.79	0.40	TA
NRUEJ6		64.95	-4.00	-2.01	65.25	-3.50	-1.77	TA
P3RK3V		71.16	2.20	1.10	70.19	1.43	0.73	MT
TFM8JD		70.08	1.12	0.56	69.53	0.78	0.40	TA
UXKMJ6		70.99	2.03	1.02	70.52	1.77	0.90	TA
W8FPRQ		68.61	-0.34	-0.17	68.79	0.04	0.02	MT
WK3YAP		69.56	0.60	0.30	69.47	0.72	0.36	TA
WPE3ZR		70.50	1.55	0.78	70.16	1.41	0.72	TA

Summary Statistics

	Sample A19	Sample A20
Grand Means	68.954 Percent	68.750 Percent
Stnd Dev Btwn Labs	1.996 Percent	1.973 Percent

Statistics based on 27 of 27 reporting participants

Sample A19: PBT & Sample A20: PBT

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Results by Methodology (as reported by laboratory)

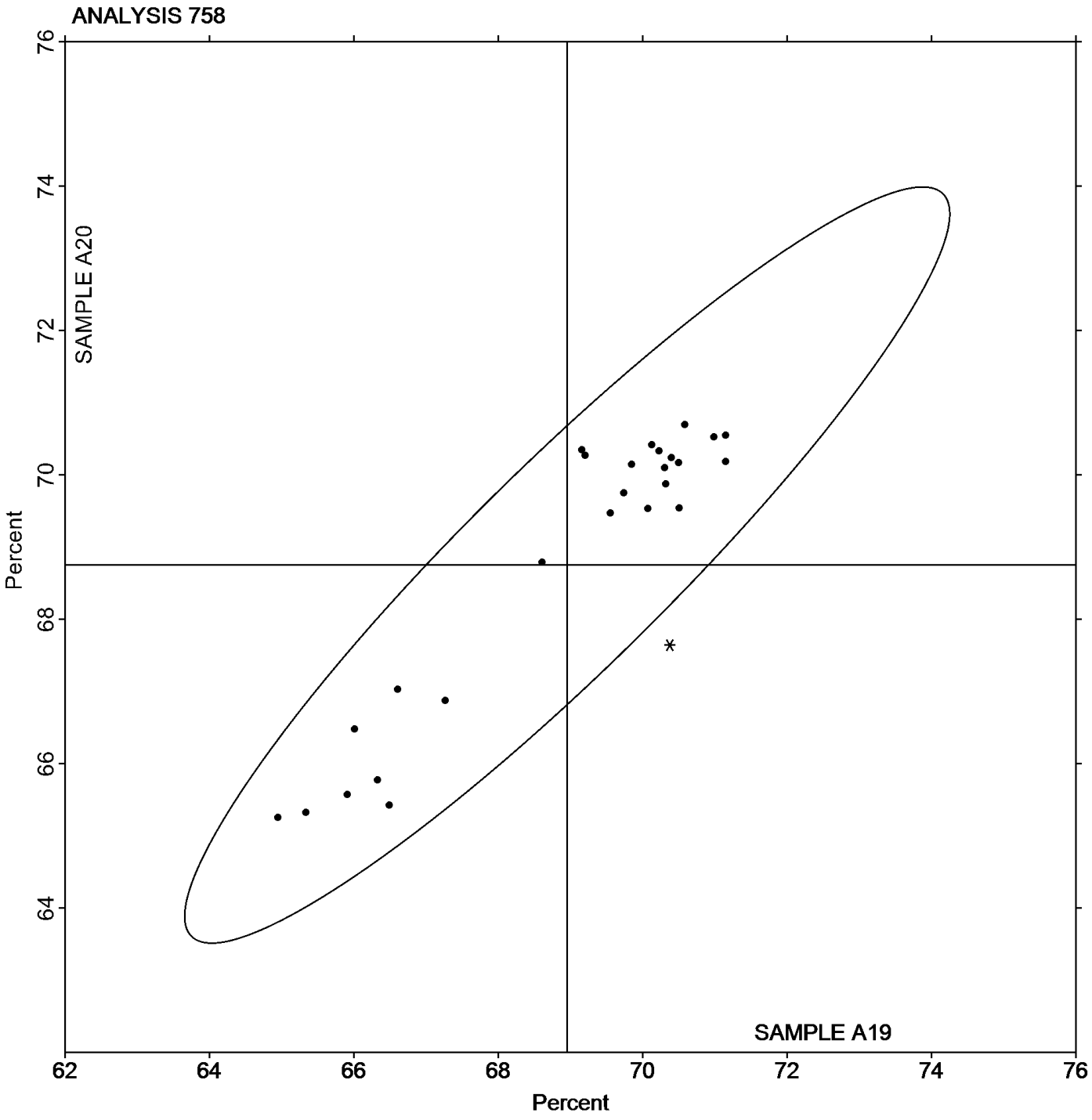
Test Methodology	Sample A19 PBT Group Mean	Sample A19 PBT Btwn Lab STD	Sample A19 PBT Diff from GM	Sample A20 PBT Group Mean	Sample A20 PBT Btwn Lab STD	Sample A20 PBT Diff from GM	Labs Incl / Rpt
ASTM D3850	68.969	2.244	0.01	68.279	2.120	-0.47	11/11
ISO 11358	69.061	1.814	0.11	69.170	1.835	0.42	14/14

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

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Grand Mean Sample A19: 68.954 Percent Grand Mean Sample A20: 68.750 Percent



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WebCode	Data Flag	Sample W19 Lab Mean	Sample W19 Diff from Grand Mean	Sample W19 CPV	Sample W20 Lab Mean	Sample W20 Diff from Grand Mean	Sample W20 CPV	Instr Code
2CXQKQ		105.75	-3.29	-0.82	105.46	-3.46	-0.90	TA
2QZZQL		110.53	1.50	0.37	110.42	1.50	0.39	TA
3D74Z8		112.36	3.33	0.83	112.50	3.58	0.93	TA
3K3VBM		112.10	3.06	0.76	112.38	3.46	0.90	TA
3QM8YM		103.75	-5.29	-1.32	103.89	-5.03	-1.31	TA
6U46RW		107.79	-1.25	-0.31	105.68	-3.24	-0.85	TA
78P26E		111.37	2.33	0.58	111.57	2.64	0.69	NZ
8TLXFD		103.51	-5.53	-1.37	104.90	-4.03	-1.05	TA
8WDBUM	X	87.70	-21.33	-5.31	83.72	-25.20	-6.57	PE
9HY3TJ		111.97	2.93	0.73	111.37	2.44	0.64	TA
AYZHGG		105.00	-4.04	-1.00	106.11	-2.81	-0.73	XX
CYDNTB		108.52	-0.52	-0.13	107.71	-1.22	-0.32	TA
FEDQUE		107.78	-1.26	-0.31	107.79	-1.13	-0.29	TA
GJ4MWB		106.07	-2.97	-0.74	105.57	-3.36	-0.88	NZ
HW8CEW		112.00	2.96	0.74	111.60	2.68	0.70	TA
J86EG6		106.89	-2.15	-0.53	107.00	-1.93	-0.50	TA
KHG26W	*	108.93	-0.10	-0.03	105.64	-3.29	-0.86	TA
KJBR9P		110.43	1.40	0.35	110.33	1.41	0.37	TA
NHMPUD		106.73	-2.30	-0.57	107.20	-1.72	-0.45	TA
NRUEJ6		108.63	-0.40	-0.10	109.10	0.18	0.05	TA
P3RK3V		103.47	-5.57	-1.39	104.23	-4.69	-1.22	MT
PLY34Y		107.83	-1.20	-0.30	107.33	-1.59	-0.41	NZ
QTFVXV		104.80	-4.24	-1.05	104.10	-4.82	-1.26	NZ
TFM8JD		108.60	-0.44	-0.11	110.07	1.14	0.30	TA
THP7VR	*	119.54	10.50	2.61	119.61	10.69	2.79	TA
UATQJT		111.96	2.92	0.73	112.02	3.10	0.81	TA
UXKMJ6		111.47	2.43	0.60	112.23	3.31	0.86	TA
YAC3AZ		104.47	-4.57	-1.14	106.32	-2.60	-0.68	TA
YUZRJR		110.91	1.87	0.47	109.47	0.55	0.14	MT
ZJH8ZV		118.90	9.86	2.45	117.19	8.27	2.16	TA

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Summary Statistics	Sample W19	Sample W20
Grand Means	109.036 Degrees Celsius	108.924 Degrees Celsius
Stnd Dev Btwn Labs	4.019 Degrees Celsius	3.835 Degrees Celsius

Statistics based on 29 of 30 reporting participants

Sample W19: PP & Sample W20: PP

Comments on Assigned Data Flags for Test #760

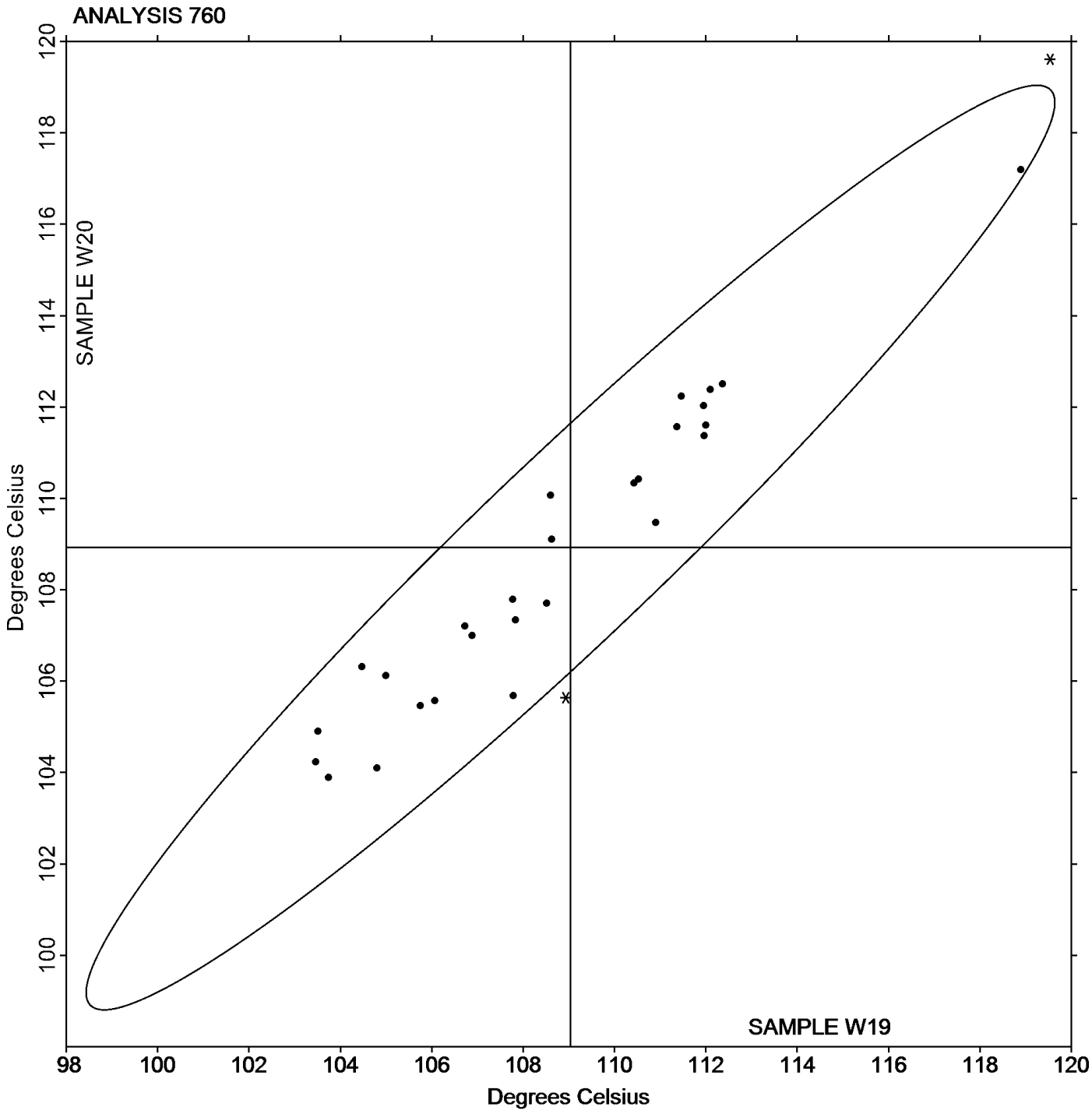
8WDBUM (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of both samples.

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

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Grand Mean Sample W19: 109.04 Degrees Celsius Grand Mean Sample W20: 108.92 Degrees Celsius



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WebCode	Data Flag	Sample W19 Lab Mean	Sample W19 Diff from Grand Mean	Sample W19 CPV	Sample W20 Lab Mean	Sample W20 Diff from Grand Mean	Sample W20 CPV	Instr Code
2CXQKQ		163.19	-1.78	-1.00	163.65	-1.45	-0.70	TA
2FD2XV		166.66	1.69	0.94	166.64	1.54	0.74	SH
2QZZQL		165.60	0.63	0.35	165.61	0.51	0.25	TA
3D74Z8		162.98	-1.99	-1.11	162.98	-2.12	-1.02	XX
3K3VBM		163.04	-1.93	-1.08	162.97	-2.13	-1.03	XX
3QM8YM		164.84	-0.13	-0.07	165.39	0.29	0.14	TA
6U46RW		164.15	-0.82	-0.46	165.60	0.50	0.24	TA
78P26E		166.87	1.90	1.06	166.80	1.70	0.82	NZ
7L46TU		165.16	0.19	0.10	165.01	-0.08	-0.04	TA
8TLXFD		163.49	-1.48	-0.83	161.71	-3.39	-1.64	TA
8WDBUM	X	147.87	-17.10	-9.58	150.38	-14.71	-7.11	PE
9HY3TJ		164.37	-0.60	-0.34	163.90	-1.20	-0.58	TA
AYZHGG		163.22	-1.75	-0.98	164.33	-0.76	-0.37	XX
CYDNTB		164.03	-0.94	-0.53	164.77	-0.33	-0.16	TA
FEDQUE		163.57	-1.40	-0.79	163.23	-1.87	-0.90	TA
GBQKZA		163.40	-1.57	-0.88	163.37	-1.73	-0.84	TA
GJ4MWB		164.83	-0.14	-0.08	164.20	-0.90	-0.43	NZ
HNBJ4H		165.39	0.42	0.23	165.87	0.77	0.37	TA
HW8CEW		163.90	-1.07	-0.60	164.13	-0.96	-0.47	TA
J86EG6		163.36	-1.61	-0.90	165.16	0.06	0.03	TA
KHG26W		163.29	-1.68	-0.94	164.15	-0.94	-0.46	TA
KJBR9P		165.00	0.03	0.02	164.67	-0.43	-0.21	TA
NHMPUD		162.83	-2.14	-1.20	161.10	-4.00	-1.93	TA
NRUEJ6	*	170.37	5.40	3.02	171.50	6.40	3.09	TA
P3RK3V		164.80	-0.17	-0.10	164.73	-0.36	-0.18	XX
PBMPUB		165.34	0.37	0.20	165.33	0.23	0.11	TA
PLY34Y		168.77	3.80	2.13	170.20	5.10	2.46	NZ
QTFVXV		167.83	2.86	1.60	168.03	2.94	1.42	NZ
TFM8JD	X	169.17	4.20	2.35	166.80	1.70	0.82	TA
THP7VR		166.36	1.39	0.78	165.41	0.31	0.15	TA
U6HFRX		165.63	0.66	0.37	166.38	1.28	0.62	MT
UATQJT		164.13	-0.84	-0.47	164.13	-0.97	-0.47	TA
UXKMJ6		164.07	-0.90	-0.51	163.93	-1.16	-0.56	TA
YAC3AZ		167.85	2.88	1.61	167.15	2.05	0.99	TA
YUZRJR		165.24	0.27	0.15	166.03	0.94	0.45	MT

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WebCode	Data Flag	Sample W19 Lab Mean	Sample W19 Diff from Grand Mean	Sample W19 CPV	Sample W20 Lab Mean	Sample W20 Diff from Grand Mean	Sample W20 CPV	Instr Code
ZJH8ZV		165.50	0.53	0.30	165.26	0.16	0.08	TA

Summary Statistics

	Sample W19	Sample W20
Grand Means	164.971 Degrees Celsius	165.098 Degrees Celsius
Stnd Dev Btwn Labs	1.785 Degrees Celsius	2.070 Degrees Celsius

Statistics based on 34 of 36 reporting participants

Sample W19: PP & Sample W20: PP

Comments on Assigned Data Flags for Test #761

TFM8JD (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample W19.

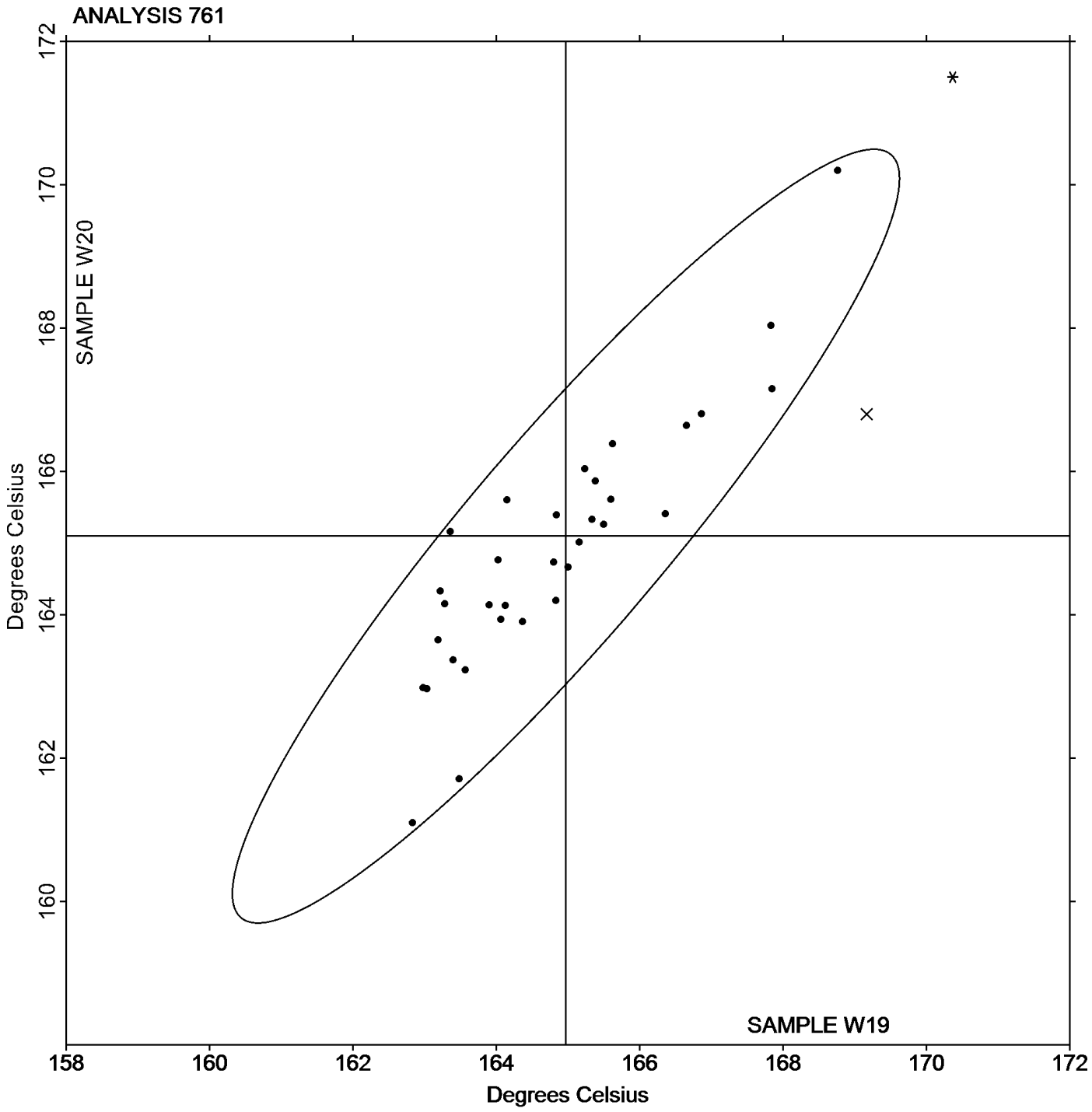
8WDBUM (X) - Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of sample W20.

Key to Instrument Codes Reported by Participants

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

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Grand Mean Sample W19: 164.97 Degrees Celsius Grand Mean Sample W20: 165.10 Degrees Celsius



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WebCode	Data Flag	Sample W19 Lab Mean	Sample W19 Diff from Grand Mean	Sample W19 CPV	Sample W20 Lab Mean	Sample W20 Diff from Grand Mean	Sample W20 CPV	Instr Code
2CXQKQ		100.93	3.16	0.61	101.71	3.04	0.62	TA
2QZZQL		97.26	-0.51	-0.10	96.06	-2.61	-0.53	TA
6U46RW		104.09	6.32	1.23	102.91	4.24	0.86	TA
78P26E		98.77	0.99	0.19	101.76	3.09	0.63	NZ
8TLXFD		88.64	-9.13	-1.77	86.93	-11.74	-2.39	TA
8WDBUM	X	25.86	-71.92	-13.96	16.76	-81.91	-16.67	PE
9HY3TJ		97.09	-0.68	-0.13	98.03	-0.64	-0.13	TA
AYZHGG		92.78	-4.99	-0.97	92.86	-5.81	-1.18	XX
CYDNTB		100.90	3.13	0.61	100.58	1.91	0.39	TA
FEDQUE	X	108.01	10.24	1.99	97.51	-1.16	-0.24	TA
GJ4MWB		102.20	4.43	0.86	102.40	3.73	0.76	NZ
HW8CEW		96.12	-1.65	-0.32	95.77	-2.90	-0.59	TA
J86EG6		93.07	-4.70	-0.91	94.95	-3.72	-0.76	TA
KHG26W		98.11	0.33	0.06	97.09	-1.58	-0.32	TA
KJBR9P		90.98	-6.79	-1.32	94.45	-4.22	-0.86	TA
NHMPUD	X	123.07	25.29	4.91	126.87	28.20	5.74	TA
NRUEJ6		94.27	-3.51	-0.68	100.83	2.16	0.44	TA
P3RK3V		94.14	-3.64	-0.71	94.53	-4.14	-0.84	MT
PLY34Y		99.30	1.53	0.30	101.69	3.02	0.61	NZ
QTFVXV		106.57	8.79	1.71	108.70	10.03	2.04	NZ
TFM8JD		91.68	-6.10	-1.18	96.39	-2.28	-0.47	TA
UATQJT		106.53	8.75	1.70	105.92	7.25	1.48	TA
UXKMJ6		106.08	8.31	1.61	104.31	5.64	1.15	TA
YAC3AZ		95.21	-2.57	-0.50	96.19	-2.48	-0.50	TA
YUZRJR		96.27	-1.50	-0.29	96.72	-1.95	-0.40	MT

Summary Statistics

	Sample W19	Sample W20
Grand Means	97.772 Joules Per Gram	98.672 Joules Per Gram
Stnd Dev Btwn Labs	5.151 Joules Per Gram	4.912 Joules Per Gram

Statistics based on 22 of 25 reporting participants

Sample W19: PP & Sample W20: PP

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Comments on Assigned Data Flags for Test #762

NHMPUD (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of sample W20.

8WDBUM (X) - Extreme data.

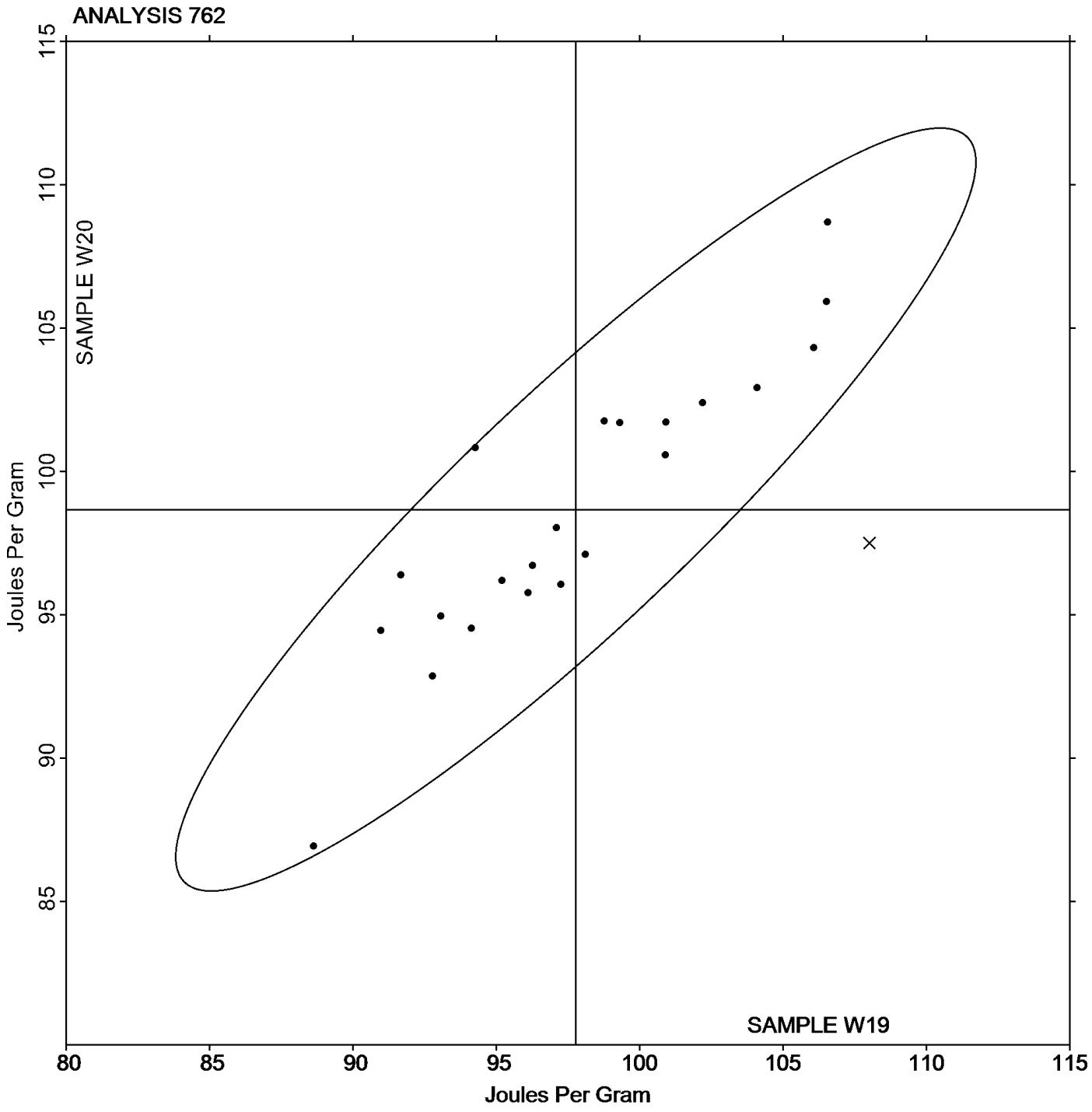
FEDQUE (X) - Inconsistent in testing between samples. Inconsistent within the determinations of both samples.

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		

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Grand Mean Sample W19: 97.772 Joules Per Gram Grand Mean Sample W20: 98.672 Joules Per Gram



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WebCode	Data Flag	Sample W19 Lab Mean	Sample W19 Diff from Grand Mean	Sample W19 CPV	Sample W20 Lab Mean	Sample W20 Diff from Grand Mean	Sample W20 CPV	Instr Code
2CXQKQ		102.82	5.21	0.50	102.90	5.04	0.53	TA
2QZZQL		100.22	2.61	0.25	99.72	1.86	0.20	TA
6U46RW		105.14	7.52	0.72	102.56	4.70	0.49	TA
78P26E	X	38.38	-59.24	-5.68	40.59	-57.27	-6.00	NZ
8TLXFD		82.93	-14.69	-1.41	84.94	-12.92	-1.35	TA
8WDBUM	X	41.21	-56.41	-5.41	31.37	-66.49	-6.97	PE
9HY3TJ		89.08	-8.54	-0.82	90.57	-7.29	-0.76	TA
AYZHGG		86.12	-11.49	-1.10	82.48	-15.37	-1.61	XX
CYDNTB		103.93	6.32	0.61	100.85	2.99	0.31	TA
FEDQUE	*	108.47	10.85	1.04	96.41	-1.45	-0.15	TA
GJ4MWB		97.18	-0.44	-0.04	102.07	4.21	0.44	NZ
HW8CEW		91.90	-5.72	-0.55	90.30	-7.56	-0.79	TA
J86EG6		98.23	0.62	0.06	93.30	-4.55	-0.48	TA
KHG26W		106.82	9.20	0.88	105.41	7.55	0.79	TA
KJBR9P		86.74	-10.87	-1.04	88.41	-9.44	-0.99	TA
NHMPUD		120.27	22.65	2.17	121.37	23.51	2.46	TA
NRUEJ6		83.50	-14.12	-1.35	88.40	-9.46	-0.99	TA
P3RK3V		88.15	-9.47	-0.91	88.87	-8.98	-0.94	MT
PLY34Y		94.30	-3.31	-0.32	99.90	2.04	0.21	NZ
QTFVXV		111.47	13.85	1.33	111.93	14.08	1.47	NZ
TFM8JD		93.47	-4.15	-0.40	99.45	1.59	0.17	TA
UATQJT		105.27	7.65	0.73	106.43	8.57	0.90	TA
UXKMJ6		112.33	14.71	1.41	110.81	12.96	1.36	TA
YAC3AZ		85.31	-12.31	-1.18	90.91	-6.95	-0.73	TA
YUZRJR		91.56	-6.06	-0.58	92.75	-5.10	-0.53	MT

Summary Statistics

	Sample W19	Sample W20
Grand Means	97.618 Joules Per Gram	97.858 Joules Per Gram
Stnd Dev Btwn Labs	10.423 Joules Per Gram	9.543 Joules Per Gram

Statistics based on 23 of 25 reporting participants

Sample W19: PP & Sample W20: PP

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Comments on Assigned Data Flags for Test #763

78P26E (X) - Data for both samples are low.

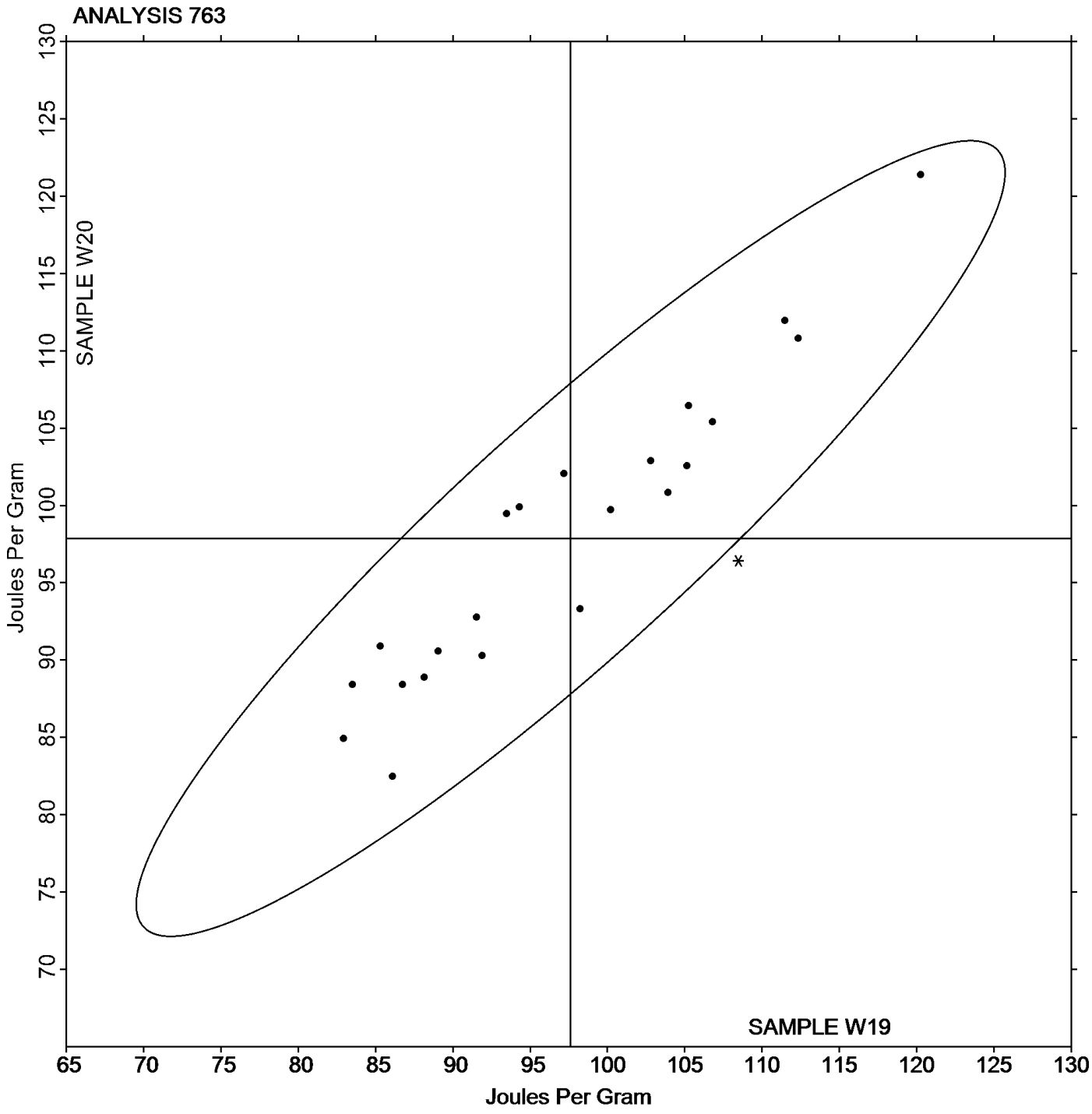
8WDBUM (X) - Data for both samples are low.

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		

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Grand Mean Sample W19: 97.618 Joules Per Gram Grand Mean Sample W20: 97.858 Joules Per Gram



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WebCode	Data Flag	Sample V19 Lab Mean	Sample V19 Diff from Grand Mean	Sample V19 CPV	Sample V20 Lab Mean	Sample V20 Diff from Grand Mean	Sample V20 CPV	Instr Code
2CXQKQ		111.13	3.20	1.01	110.88	3.00	1.01	TA
2FD2XV		110.99	3.06	0.97	110.28	2.40	0.81	SH
2QZZQL		107.70	-0.22	-0.07	107.27	-0.62	-0.21	TA
3QM8YM		110.66	2.73	0.86	110.68	2.80	0.94	TA
6U46RW		106.00	-1.93	-0.61	106.57	-1.31	-0.44	TA
78P26E		110.93	3.01	0.95	110.73	2.85	0.96	NZ
8TLXFD		102.76	-5.17	-1.63	103.70	-4.18	-1.41	TA
8WDBUM		102.14	-5.79	-1.83	103.08	-4.80	-1.62	PE
9HY3TJ		106.30	-1.63	-0.51	106.93	-0.95	-0.32	TA
AYZHGG		113.42	5.49	1.73	113.49	5.60	1.89	XX
CYDNTB		107.60	-0.32	-0.10	107.35	-0.53	-0.18	TA
FEDQUE		105.50	-2.42	-0.76	105.48	-2.41	-0.81	TA
GJ4MWB		106.73	-1.19	-0.38	106.90	-0.98	-0.33	NZ
HW8CEW		107.07	-0.86	-0.27	106.93	-0.95	-0.32	TA
J2CFZP		106.26	-1.67	-0.53	106.14	-1.75	-0.59	TA
J86EG6		104.20	-3.73	-1.18	104.20	-3.68	-1.24	TA
KHG26W		106.64	-1.29	-0.41	106.12	-1.76	-0.59	TA
KJBR9P		107.70	-0.23	-0.07	107.40	-0.48	-0.16	TA
NHMPUD		106.77	-1.16	-0.37	105.37	-2.52	-0.85	TA
NRUEJ6		103.53	-4.39	-1.39	104.67	-3.22	-1.08	TA
P3RK3V		114.50	6.57	2.07	113.37	5.48	1.85	MT
PLY34Y	*	110.07	2.14	0.68	111.50	3.62	1.22	NZ
QTFVXV		111.47	3.54	1.12	111.20	3.32	1.12	NZ
TFM8JD		110.27	2.34	0.74	109.93	2.05	0.69	TA
THP7VR		106.05	-1.88	-0.59	106.09	-1.79	-0.60	TA
UATQJT		106.47	-1.46	-0.46	106.07	-1.81	-0.61	TA
UXKMJ6		104.86	-3.07	-0.97	104.38	-3.50	-1.18	TA
YAC3AZ		111.61	3.68	1.16	111.27	3.39	1.14	TA
YUZRJR		110.51	2.58	0.82	110.64	2.76	0.93	MT

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Summary Statistics

	Sample V19	Sample V20
Grand Means	107.925 Degrees Celsius	107.884 Degrees Celsius
Stnd Dev Btwn Labs	3.169 Degrees Celsius	2.967 Degrees Celsius

Statistics based on 29 of 29 reporting participants

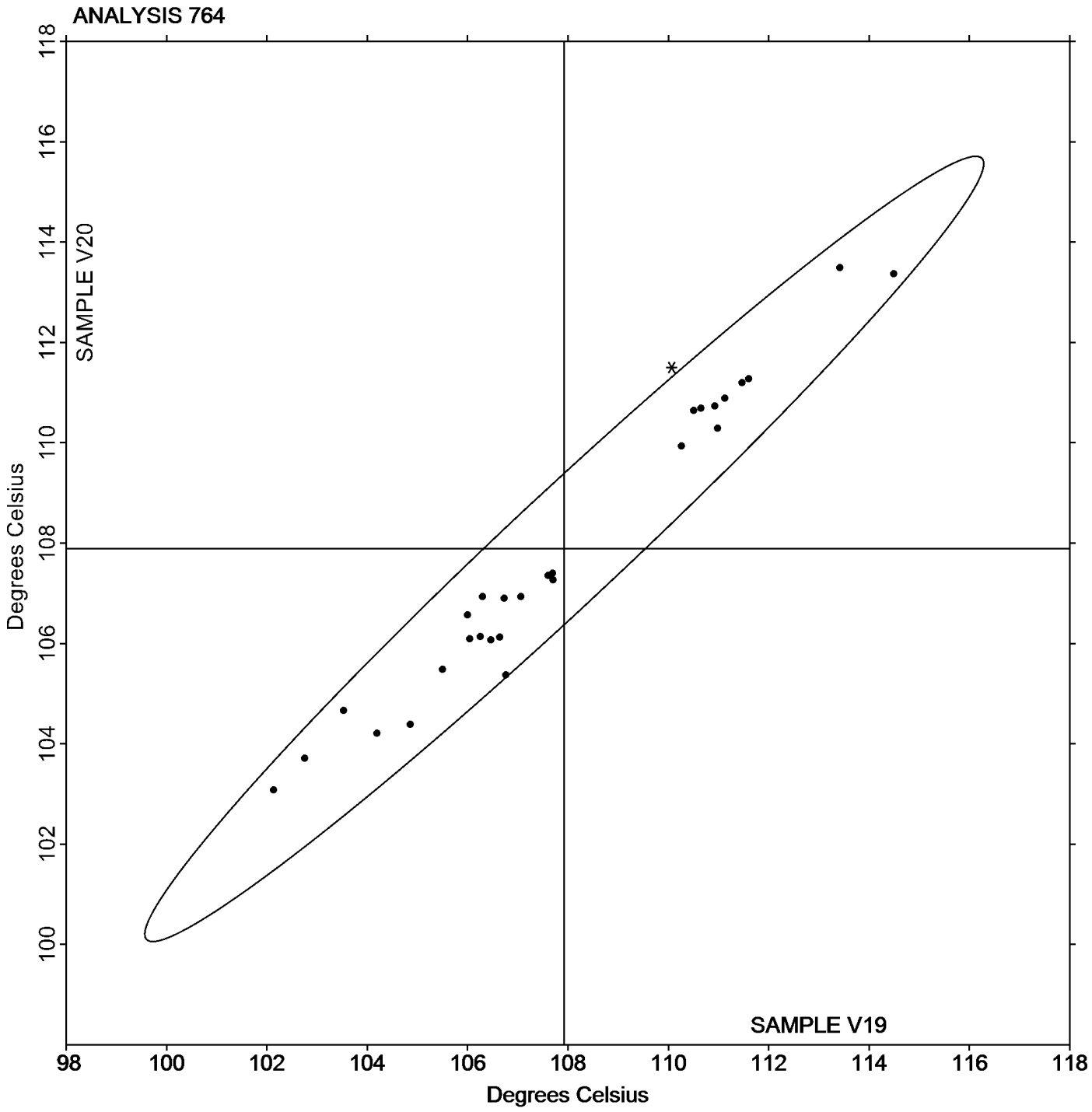
Sample V19: ABS & Sample V20: ABS

Key to Instrument Codes Reported by Participants

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

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Grand Mean Sample V19: 107.93 Degrees Celsius Grand Mean Sample V20: 107.88 Degrees Celsius



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WebCode	Data Flag	Sample W19 Lab Mean	Sample W19 Diff from Grand Mean	Sample W19 CPV	Sample W20 Lab Mean	Sample W20 Diff from Grand Mean	Sample W20 CPV	Instr Code
2CXQKQ		105.75	-4.02	-1.56	105.46	-4.67	-1.72	TA
78P26E		111.37	1.59	0.62	111.57	1.43	0.53	NZ
9HY3TJ		111.97	2.19	0.85	111.37	1.23	0.45	TA
FEDQUE		107.78	-1.99	-0.77	107.79	-2.34	-0.86	TA
HVTRRE		109.87	0.09	0.04	111.07	0.93	0.34	TA
KJBR9P		110.43	0.66	0.26	110.33	0.20	0.07	TA
NHMPUD		106.73	-3.04	-1.18	107.20	-2.93	-1.08	TA
NRUEJ6		108.63	-1.14	-0.44	109.10	-1.03	-0.38	TA
TFM8JD		108.60	-1.17	-0.46	110.07	-0.07	-0.02	TA
UATQJT		111.96	2.18	0.85	112.02	1.89	0.69	TA
XPYTXH		114.43	4.66	1.81	115.50	5.37	1.98	SH

Summary Statistics

	Sample W19	Sample W20
Grand Means	109.774 Degrees Celsius	110.135 Degrees Celsius
Stnd Dev Btwn Labs	2.575 Degrees Celsius	2.718 Degrees Celsius

Statistics based on 11 of 11 reporting participants

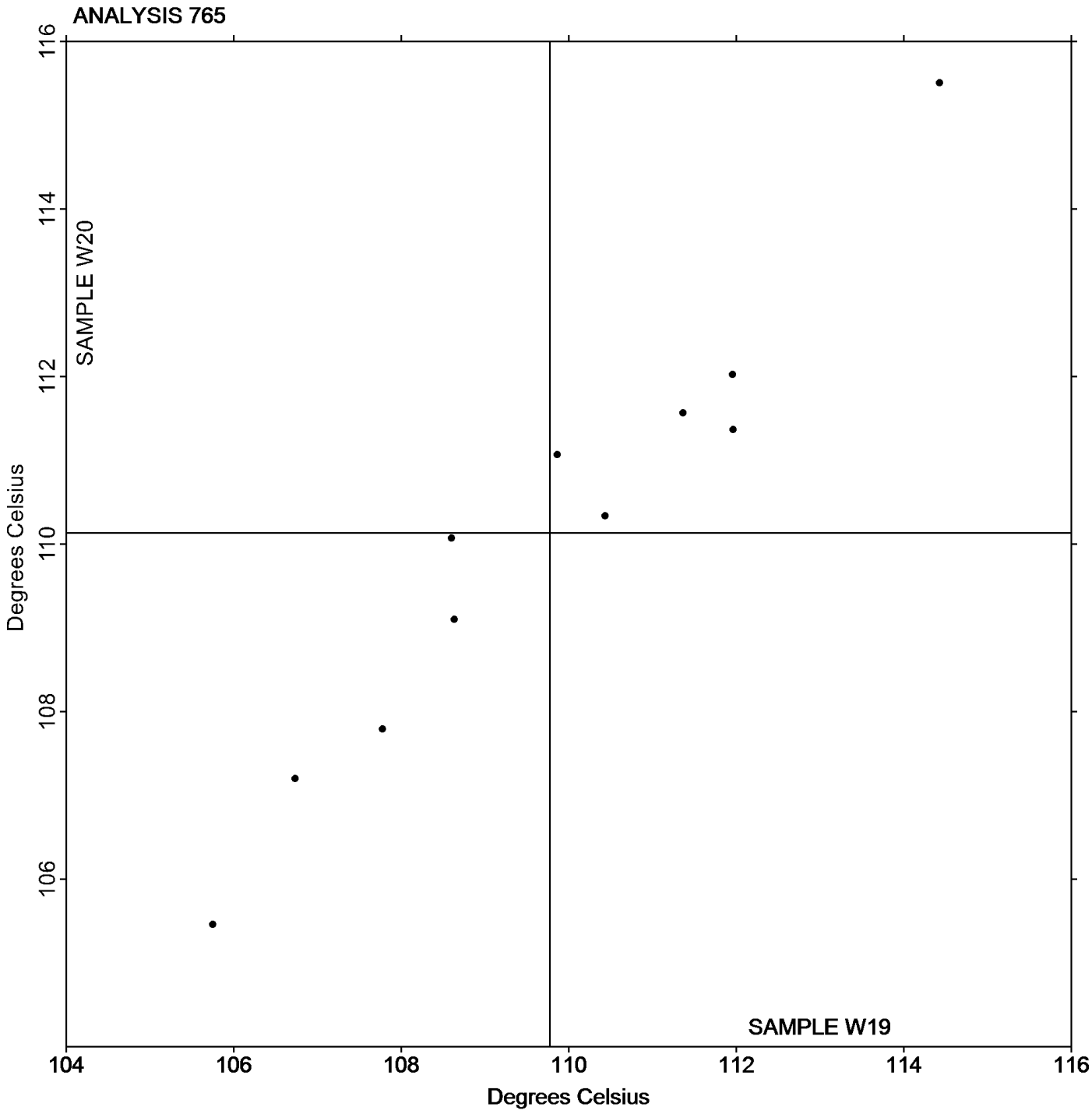
Sample W19: PP & Sample W20: PP

Key to Instrument Codes Reported by Participants

NZ Netzsch Instruments
SH Shimadzu
TA TA Instruments

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Grand Mean Sample W19: 109.77 Degrees Celsius Grand Mean Sample W20: 110.13 Degrees Celsius



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

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WebCode	Data Flag	Sample W19 Lab Mean	Sample W19 Diff from Grand Mean	Sample W19 CPV	Sample W20 Lab Mean	Sample W20 Diff from Grand Mean	Sample W20 CPV	Instr Code
2CXQKQ		163.19	-2.09	-0.89	163.65	-1.37	-0.55	TA
78P26E		166.87	1.59	0.67	166.80	1.78	0.71	NZ
7L46TU		165.16	-0.12	-0.05	165.01	-0.01	0.00	TA
9HY3TJ		164.37	-0.91	-0.39	163.90	-1.12	-0.45	TA
FEDQUE		163.57	-1.71	-0.73	163.23	-1.79	-0.72	TA
HVTRRE		164.37	-0.91	-0.39	164.90	-0.12	-0.05	TA
KJBR9P		165.00	-0.28	-0.12	164.67	-0.35	-0.14	TA
NHMPUD		162.83	-2.45	-1.04	161.10	-3.92	-1.58	TA
NRUEJ6		170.37	5.09	2.16	171.27	6.25	2.51	TA
TFM8JD		169.17	3.89	1.65	166.80	1.78	0.71	TA
UATQJT		164.13	-1.15	-0.49	164.13	-0.89	-0.36	TA
XPYTXH		164.37	-0.91	-0.39	164.81	-0.22	-0.09	SH

Summary Statistics

	Sample W19	Sample W20
Grand Means	165.281 Degrees Celsius	165.022 Degrees Celsius
Stnd Dev Btwn Labs	2.349 Degrees Celsius	2.487 Degrees Celsius

Statistics based on 12 of 12 reporting participants

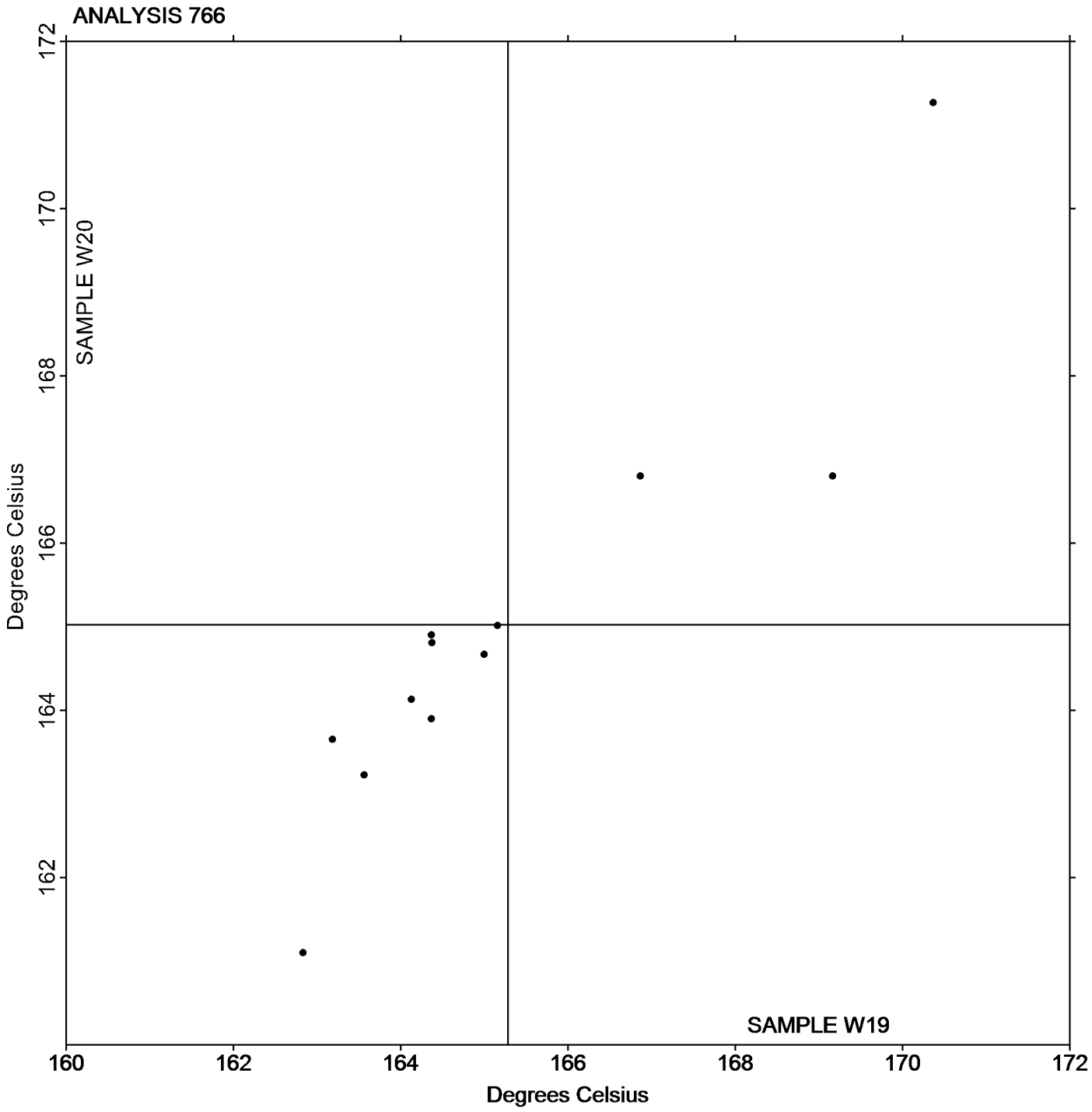
Sample W19: PP & Sample W20: PP

Key to Instrument Codes Reported by Participants

NZ Netzsch Instruments
SH Shimadzu
TA TA Instruments

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Grand Mean Sample W19: 165.28 Degrees Celsius Grand Mean Sample W20: 165.02 Degrees Celsius



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

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WebCode	Data Flag	Sample W19 Lab Mean	Sample W19 Diff from Grand Mean	Sample W19 CPV	Sample W20 Lab Mean	Sample W20 Diff from Grand Mean	Sample W20 CPV	Instr Code
2CXQKQ		100.93	-0.01	0.00	101.71	-0.62	-0.06	TA
9HY3TJ		97.09	-3.85	-0.37	98.03	-4.31	-0.44	TA
FEDQUE		108.01	7.07	0.68	97.51	-4.83	-0.49	TA
HVTRRE		97.80	-3.14	-0.30	98.51	-3.82	-0.39	TA
KJBR9P		90.98	-9.96	-0.96	94.45	-7.89	-0.80	TA
NHMPUD		123.07	22.12	2.13	126.87	24.53	2.50	TA
NRUEJ6		94.03	-6.91	-0.67	101.63	-0.70	-0.07	TA
TFM8JD		90.04	-10.90	-1.05	96.39	-5.95	-0.61	TA
UATQJT		106.53	5.58	0.54	105.92	3.59	0.37	TA

Summary Statistics

	Sample W19	Sample W20
Grand Means	100.943 Joules Per Gram	102.334 Joules Per Gram
Stnd Dev Btwn Labs	10.375 Joules Per Gram	9.808 Joules Per Gram

Statistics based on 9 of 9 reporting participants

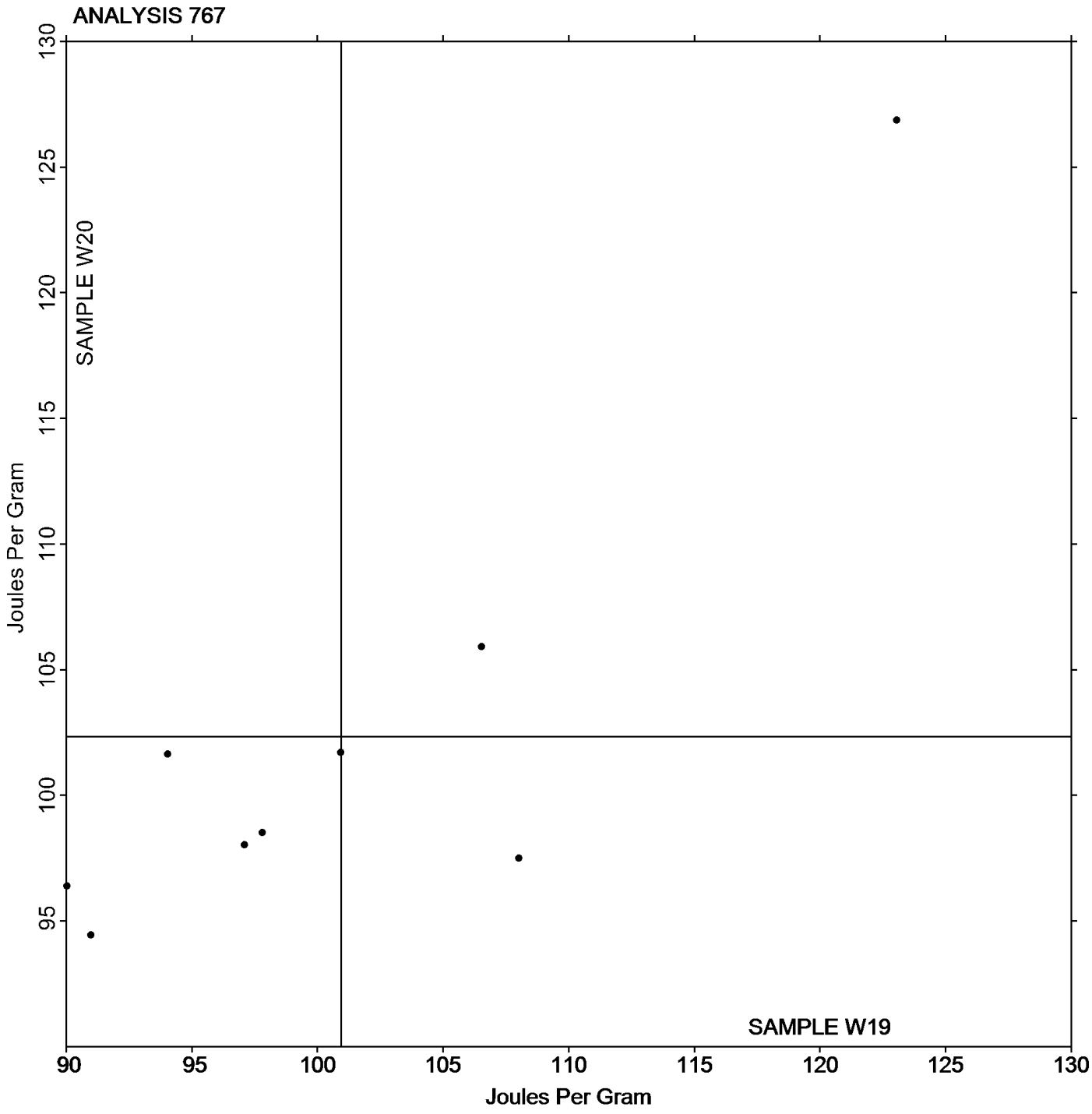
Sample W19: PP & Sample W20: PP

Key to Instrument Codes Reported by Participants

TA TA Instruments

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Grand Mean Sample W19: 100.94 Joules Per Gram Grand Mean Sample W20: 102.33 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.

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WebCode	Data Flag	Sample W19 Lab Mean	Sample W19 Diff from Grand Mean	Sample W19 CPV	Sample W20 Lab Mean	Sample W20 Diff from Grand Mean	Sample W20 CPV	Instr Code
2CXQKQ		102.82	5.28	0.43	102.90	4.40	0.41	TA
9HY3TJ		89.08	-8.46	-0.68	90.57	-7.92	-0.75	XX
FEDQUE		108.47	10.93	0.88	96.41	-2.08	-0.20	TA
HVTRRE		89.59	-7.95	-0.64	90.51	-7.99	-0.75	TA
KJBR9P		86.74	-10.80	-0.87	88.41	-10.08	-0.95	TA
NHMPUD		120.27	22.73	1.83	121.37	22.87	2.15	TA
NRUEJ6		82.17	-15.37	-1.24	90.40	-8.09	-0.76	TA
TFM8JD		93.47	-4.07	-0.33	99.45	0.95	0.09	TA
UATQJT		105.27	7.73	0.62	106.43	7.93	0.75	TA

Summary Statistics

	Sample W19	Sample W20
Grand Means	97.541 Joules Per Gram	98.493 Joules Per Gram
Stnd Dev Btwn Labs	12.388 Joules Per Gram	10.633 Joules Per Gram

Statistics based on 9 of 9 reporting participants

Sample W19: PP & Sample W20: PP

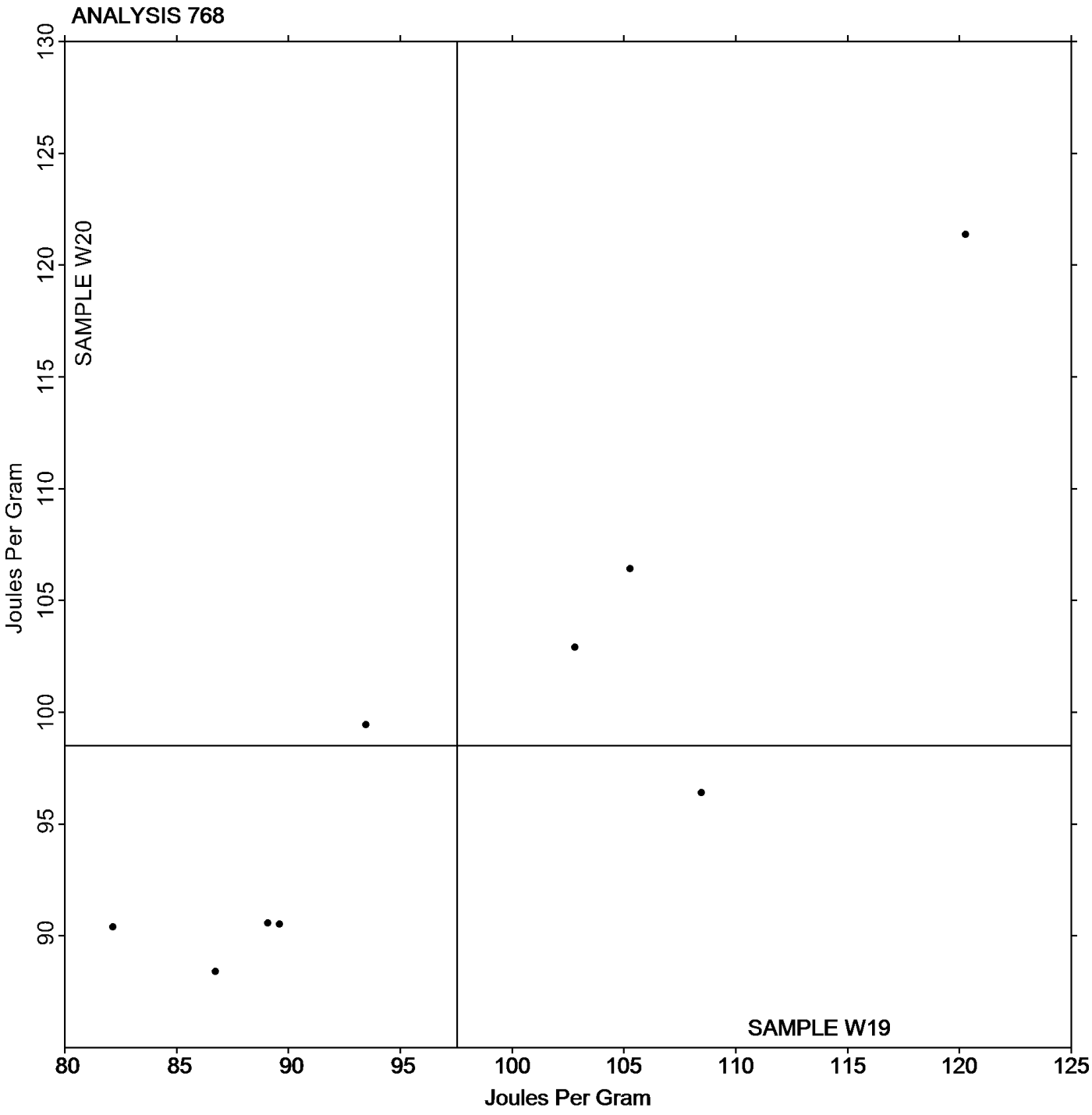
Key to Instrument Codes Reported by Participants

TA TA Instruments

XX Instrument manufacturer not specified by lab

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Grand Mean Sample W19: 97.541 Joules Per Gram Grand Mean Sample W20: 98.493 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.

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WebCode	Data Flag	Sample V19 Lab Mean	Sample V19 Diff from Grand Mean	Sample V19 CPV	Sample V20 Lab Mean	Sample V20 Diff from Grand Mean	Sample V20 CPV	Instr Code
2CXQKQ		111.13	3.59	1.55	110.88	3.43	1.59	TA
78P26E		110.93	3.39	1.46	110.73	3.28	1.52	NZ
9HY3TJ		106.30	-1.24	-0.54	106.93	-0.52	-0.24	TA
FEDQUE		105.50	-2.04	-0.88	105.48	-1.98	-0.92	TA
HVTRRE		106.53	-1.01	-0.43	107.37	-0.09	-0.04	TA
KJBR9P		107.70	0.16	0.07	107.40	-0.05	-0.02	TA
NHMPUD		106.77	-0.77	-0.33	105.37	-2.09	-0.97	TA
NRUEJ6		103.87	-3.67	-1.58	104.57	-2.89	-1.34	TA
TFM8JD		110.27	2.73	1.18	109.70	2.25	1.04	TA
UATQJT		106.47	-1.07	-0.46	106.07	-1.38	-0.64	TA
XPYTXH		107.49	-0.05	-0.02	107.48	0.03	0.01	SH

Summary Statistics

	Sample V19	Sample V20
Grand Means	107.541 Degrees Celsius	107.452 Degrees Celsius
Stnd Dev Btwn Labs	2.319 Degrees Celsius	2.153 Degrees Celsius

Statistics based on 11 of 11 reporting participants

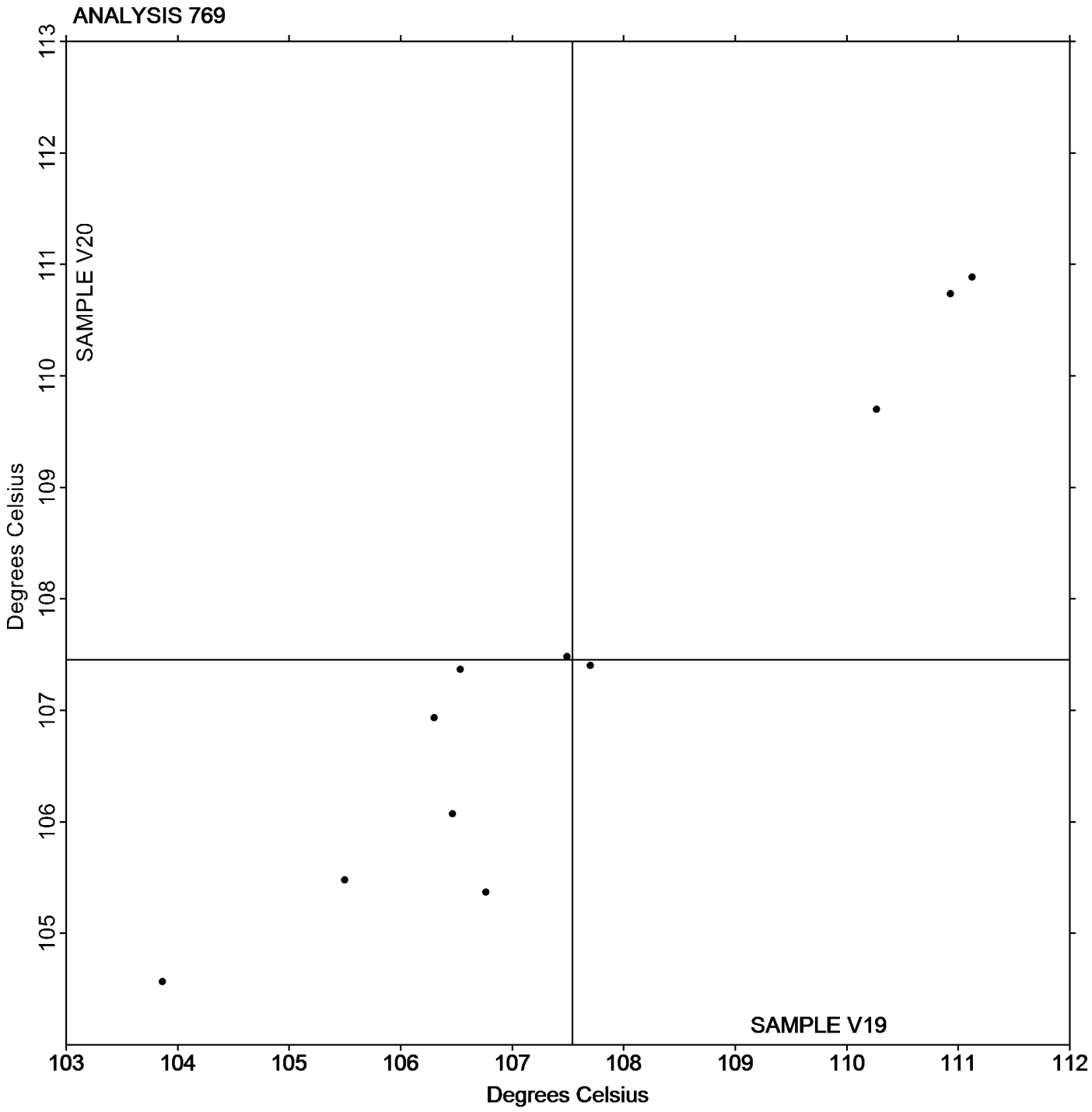
Sample V19: ABS & Sample V20: ABS

Key to Instrument Codes Reported by Participants

NZ Netzsch Instruments
SH Shimadzu
TA TA Instruments

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Grand Mean Sample V19: 107.54 Degrees Celsius Grand Mean Sample V20: 107.45 Degrees Celsius



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

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WebCode	Data Flag	Sample B19 Lab Mean	Sample B19 Diff from Grand Mean	Sample B19 CPV	Sample B20 Lab Mean	Sample B20 Diff from Grand Mean	Sample B20 CPV	Instr Code
2FD2XV		2,384	281	1.68	2,313	307	1.53	WZ
B6MPCU		2,159	55	0.33	2,125	118	0.59	XX
D36H2W	X	3,824	1,721	10.30	3,854	1,848	9.20	IN
HFXGUA		2,103	-1	-0.01	2,073	67	0.33	IN
HME4RK		2,163	60	0.36	1,788	-218	-1.09	XX
HVTRRE		1,827	-277	-1.66	1,723	-283	-1.41	IN
JQA4J2		2,091	-12	-0.07	2,030	23	0.12	IM
JRPGAJ		2,190	86	0.52	2,213	207	1.03	WZ
KHXHVJ		2,010	-94	-0.56	1,741	-265	-1.32	XX
M2MFBF		1,849	-255	-1.53	1,762	-244	-1.21	XX
MRXRGY		2,095	-9	-0.05	1,979	-27	-0.14	IN
N49GVU		2,133	29	0.17	1,928	-78	-0.39	SH
P3RK3V		2,048	-56	-0.34	2,034	28	0.14	IN
QCDBZ8		2,160	56	0.34	2,118	112	0.56	IN
RNKFQY		2,106	2	0.01	2,042	36	0.18	IN
UXKMJ6		2,174	70	0.42	2,150	143	0.71	IM
VFYJEN		2,119	15	0.09	2,025	18	0.09	IN
W82DV8		2,347	243	1.46	2,114	108	0.54	XX
XTTWGP		2,238	134	0.80	2,326	320	1.59	IN
YDFXT4		2,208	104	0.63	2,071	65	0.32	MT
YH8942		1,672	-432	-2.58	1,567	-439	-2.18	SH

Summary Statistics

	Sample B19	Sample B20
Grand Means	2,103.9 psi	2,006.1 psi
Stnd Dev Btwn Labs	167.0 psi	201.0 psi

Statistics based on 20 of 21 reporting participants

Sample B19: LDPE & Sample B20: LDPE

Comments on Assigned Data Flags for Test #770

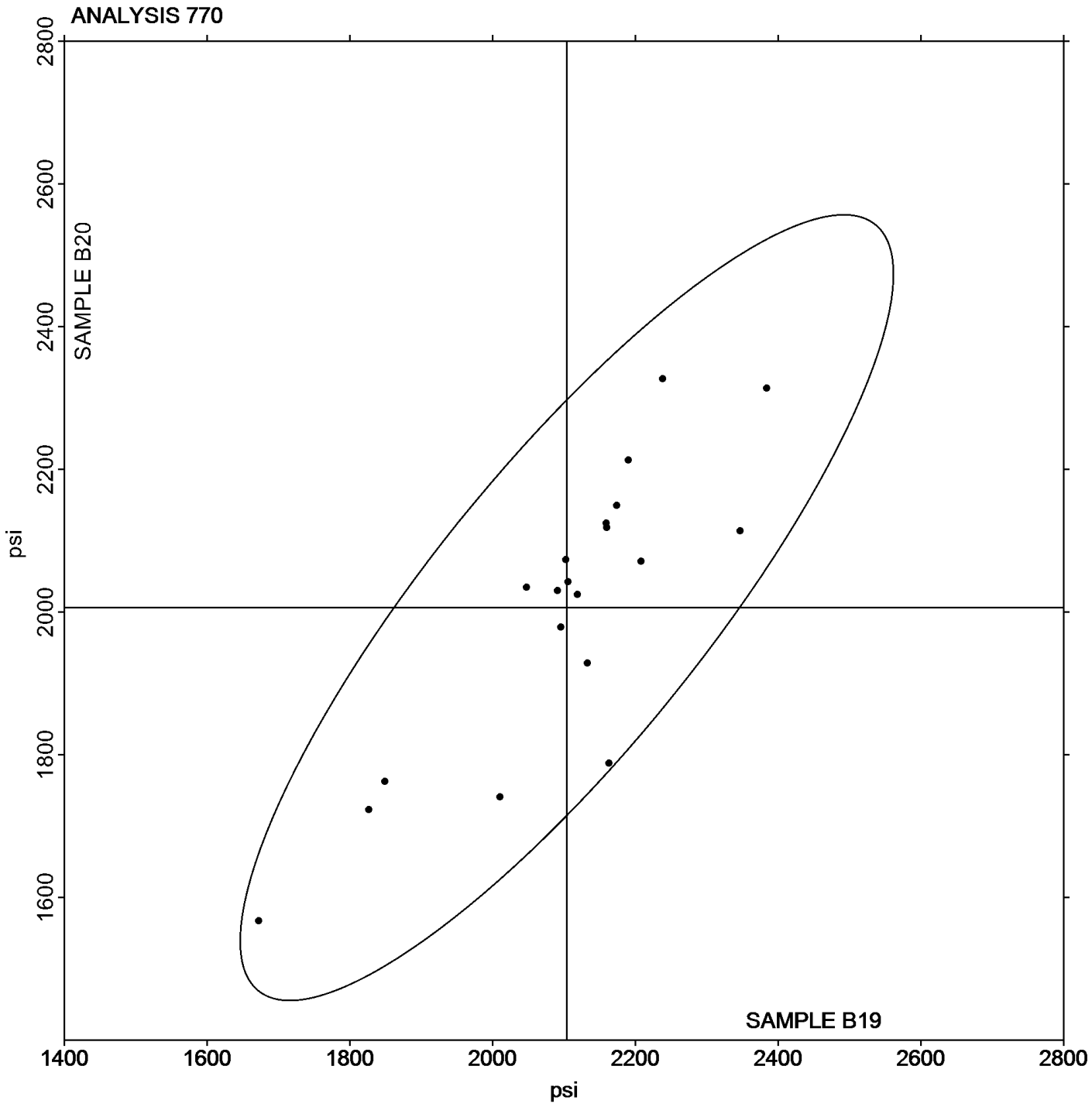
D36H2W (X) - Data for both samples are high. Inconsistent within the determinations of sample B20.

Key to Instrument Codes Reported by Participants

IM	Instru-Met Instruments	IN	Instron
MT	MTS/Sintech	SH	Shimadzu
WZ	Zwick	XX	Instrument manufacturer not specified by lab

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Grand Mean Sample B19: 2,103.89 psi Grand Mean Sample B20: 2,006.11 psi



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WebCode	Data Flag	Sample B19 Lab Mean	Sample B19 Diff from Grand Mean	Sample B19 CPV	Sample B20 Lab Mean	Sample B20 Diff from Grand Mean	Sample B20 CPV	Instr Code
2FD2XV		4,106	493	0.76	4,278	430	0.53	WZ
B6MPCU		4,116	503	0.78	4,246	397	0.49	XX
D36H2W		3,825	212	0.33	3,853	4	0.01	IN
HFXGUA		3,619	6	0.01	4,158	309	0.38	IN
HME4RK		2,496	-1,117	-1.73	2,243	-1,606	-1.99	XX
HVTRRE		3,758	145	0.22	3,993	144	0.18	IN
JQA4J2		3,745	132	0.20	4,332	483	0.60	IM
JRPGAJ		4,197	584	0.90	4,665	817	1.01	WZ
JUVY8E		2,845	-768	-1.19	3,248	-600	-0.75	UC
KHXHVJ		2,513	-1,100	-1.70	2,406	-1,442	-1.79	XX
M2MFBF		2,634	-979	-1.51	2,679	-1,170	-1.45	XX
MRXRGY		3,827	214	0.33	3,955	106	0.13	IN
N49GVU		4,346	733	1.13	4,287	438	0.54	SH
P3RK3V		2,638	-975	-1.51	2,651	-1,198	-1.49	IN
QCDBZ8		4,277	664	1.03	4,568	719	0.89	IN
RNKFQY		3,920	307	0.47	4,295	446	0.55	IN
UXKMJ6		4,181	568	0.88	4,509	660	0.82	IM
VFYJEN		3,759	146	0.23	4,257	408	0.51	IN
W82DV8		2,785	-828	-1.28	2,696	-1,153	-1.43	XX
XTTWGP		4,480	867	1.34	5,016	1,167	1.45	IN
YDFXT4		3,747	134	0.21	4,112	263	0.33	MT
YH8942		3,671	58	0.09	4,225	376	0.47	SH

Summary Statistics

	Sample B19	Sample B20
Grand Means	3,612.9 psi	3,848.7 psi
Stnd Dev Btwn Labs	647.4 psi	804.9 psi

Statistics based on 22 of 22 reporting participants

Sample B19: LDPE & Sample B20: LDPE

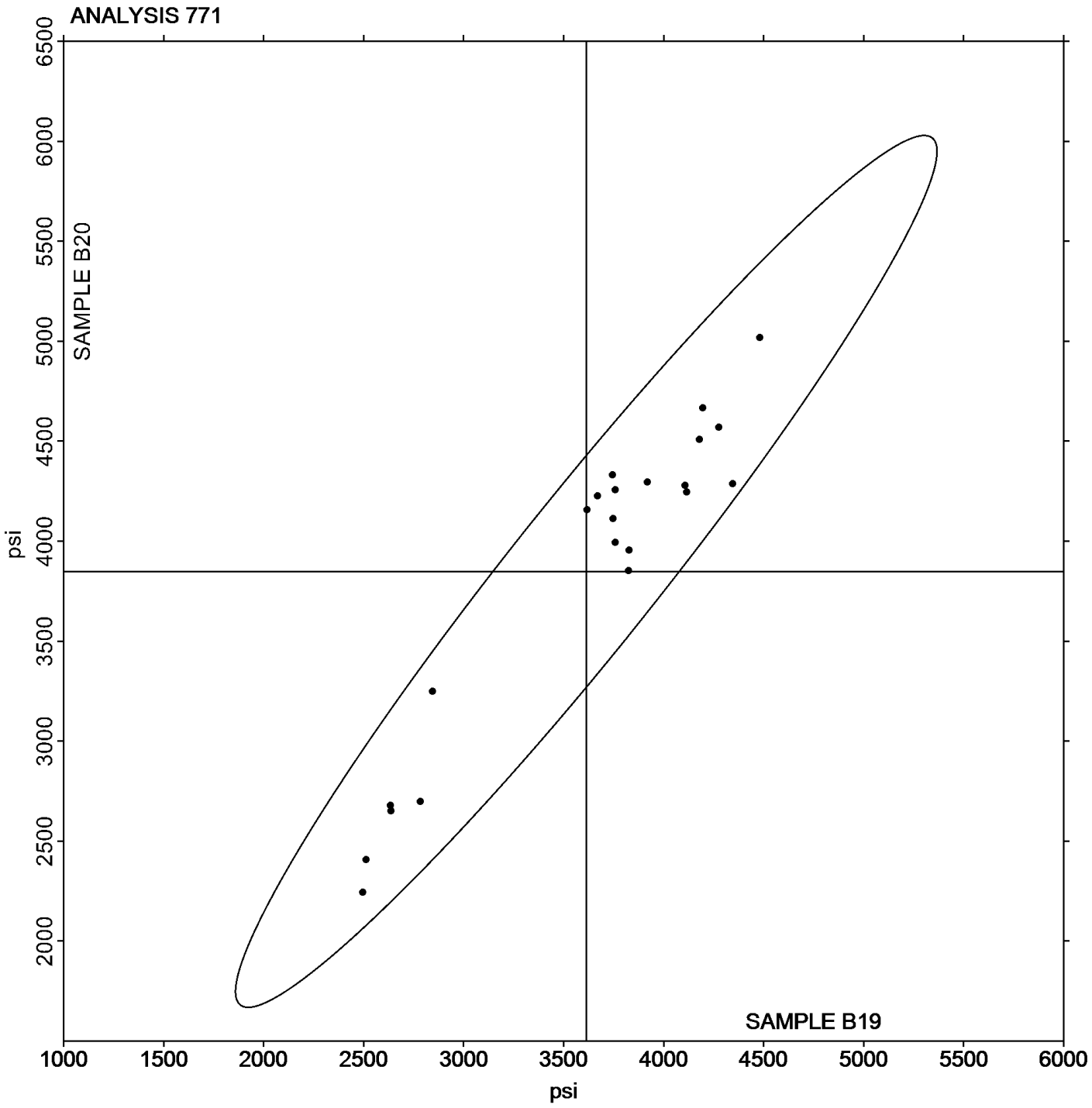
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Key to Instrument Codes Reported by Participants

IM	Instru-Met Instruments	IN	Instron
MT	MTS/Sintech	SH	Shimadzu
UC	United	WZ	Zwick
XX	Instrument manufacturer not specified by lab		

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Grand Mean Sample B19: 3,612.91 psi Grand Mean Sample B20: 3,848.75 psi



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WebCode	Data Flag	Sample B19 Lab Mean	Sample B19 Diff from Grand Mean	Sample B19 CPV	Sample B20 Lab Mean	Sample B20 Diff from Grand Mean	Sample B20 CPV	Instr Code
2FD2XV		13.70	-16.74	-0.89	45.20	-4.03	-0.17	WZ
B6MPCU		26.74	-3.70	-0.20	57.86	8.63	0.37	XX
D36H2W		33.70	3.26	0.17	45.92	-3.31	-0.14	IN
HFXGUA		51.76	21.32	1.14	72.71	23.48	1.01	IN
HVTRRE		15.98	-14.46	-0.77	42.25	-6.98	-0.30	IN
JQA4J2		20.34	-10.10	-0.54	19.65	-29.58	-1.27	IM
JRPGAJ		18.38	-12.05	-0.64	65.81	16.59	0.71	WZ
MRXRGY		51.97	21.53	1.15	65.65	16.42	0.71	IN
N49GVU		53.08	22.64	1.21	56.11	6.88	0.30	SH
P3RK3V		52.87	22.43	1.20	69.51	20.28	0.87	IN
QCDBZ8		18.45	-11.99	-0.64	61.74	12.51	0.54	IN
RNKFQY		59.82	29.39	1.57	71.26	22.03	0.95	IN
UXKMJ6		20.88	-9.56	-0.51	75.87	26.64	1.14	IM
VFYJEN		7.72	-22.71	-1.21	7.90	-41.33	-1.78	IN
XTTWGP		51.56	21.13	1.13	57.40	8.17	0.35	IN
YDFXT4		14.06	-16.38	-0.88	15.69	-33.54	-1.44	MT
YH8942		6.40	-24.04	-1.28	6.35	-42.88	-1.84	SH

Summary Statistics

	Sample B19	Sample B20
Grand Means	30.436 Percent	49.228 Percent
Stnd Dev Btwn Labs	18.711 Percent	23.279 Percent

Statistics based on 17 of 17 reporting participants

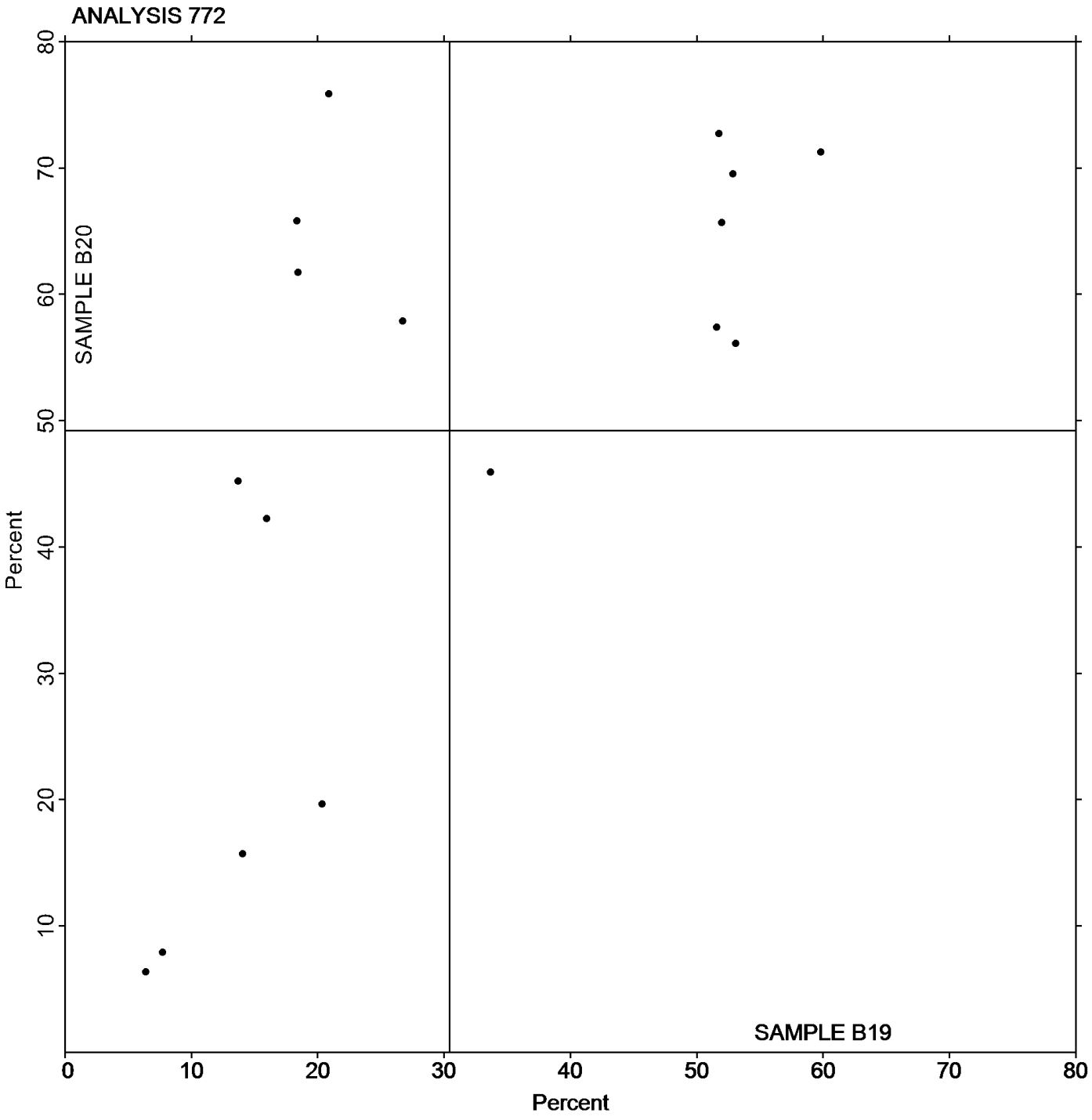
Sample B19: LDPE & Sample B20: LDPE

Key to Instrument Codes Reported by Participants

IM	Instru-Met Instruments	IN	Instron
MT	MTS/Sintech	SH	Shimadzu
WZ	Zwick	XX	Instrument manufacturer not specified by lab

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Grand Mean Sample B19: 30.436 Percent Grand Mean Sample B20: 49.228 Percent



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

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WebCode	Data Flag	Sample B19 Lab Mean	Sample B19 Diff from Grand Mean	Sample B19 CPV	Sample B20 Lab Mean	Sample B20 Diff from Grand Mean	Sample B20 CPV	Instr Code
2FD2XV		595.0	-292.3	-1.37	586.0	-327.9	-1.28	WZ
B6MPCU	*	1,378.2	490.9	2.29	1,596.3	682.4	2.67	XX
D36H2W		513.8	-373.5	-1.74	529.7	-384.2	-1.50	IN
HFXGUA		949.1	61.8	0.29	1,014.5	100.6	0.39	IN
HVTRRE		733.4	-153.9	-0.72	761.0	-152.9	-0.60	IN
JQA4J2		965.2	77.9	0.36	1,012.1	98.2	0.38	IM
JRPGAJ		957.0	69.7	0.33	998.9	85.0	0.33	WZ
MRXRGY		1,079.4	192.1	0.90	1,080.2	166.3	0.65	IN
N49GVU		844.2	-43.2	-0.20	846.7	-67.2	-0.26	SH
P3RK3V		814.4	-72.9	-0.34	647.8	-266.1	-1.04	IN
QCDBZ8		1,005.4	118.1	0.55	1,037.2	123.3	0.48	IN
RNKFQY		986.0	98.7	0.46	1,076.4	162.5	0.64	IN
UXKMJ6		1,136.0	248.7	1.16	1,102.7	188.8	0.74	IM
VFYJEN		594.4	-292.9	-1.37	627.3	-286.6	-1.12	IN
XTTWGP		875.5	-11.8	-0.06	910.7	-3.2	-0.01	IN
YDFXT4		770.0	-117.3	-0.55	800.0	-113.9	-0.45	MT
YH8942		887.5	0.2	0.00	908.8	-5.1	-0.02	SH

Summary Statistics

	Sample B19	Sample B20
Grand Means	887.33 Percent	913.90 Percent
Stnd Dev Btwn Labs	214.13 Percent	255.76 Percent

Statistics based on 17 of 17 reporting participants

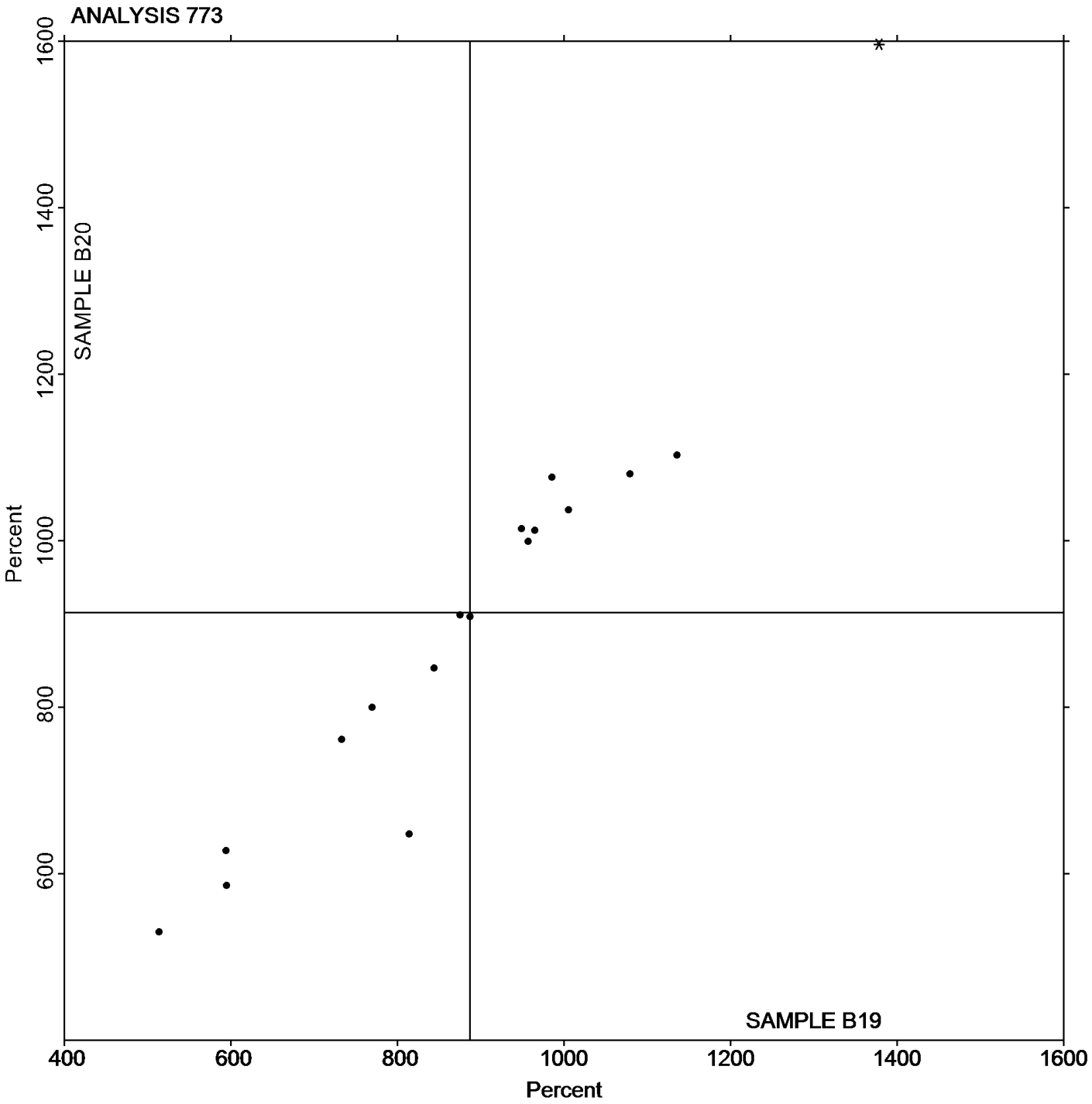
Sample B19: LDPE & Sample B20: LDPE

Key to Instrument Codes Reported by Participants

IM	Instru-Met Instruments	IN	Instron
MT	MTS/Sintech	SH	Shimadzu
WZ	Zwick	XX	Instrument manufacturer not specified by lab

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Grand Mean Sample B19: 887.33 Percent Grand Mean Sample B20: 913.90 Percent



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

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WebCode	Data Flag	Sample B19 Lab Mean	Sample B19 Diff from Grand Mean	Sample B19 CPV	Sample B20 Lab Mean	Sample B20 Diff from Grand Mean	Sample B20 CPV
2FD2XV		3.5787	-0.2684	-2.33	3.6457	-0.2340	-1.85
AFL4XZ		3.8140	-0.0331	-0.29	3.8510	-0.0287	-0.23
B6MPCU		3.8670	0.0199	0.17	3.8270	-0.0527	-0.42
D36H2W		3.9200	0.0729	0.63	3.9590	0.0793	0.63
HFXGUA		4.0050	0.1579	1.37	3.9550	0.0753	0.59
HVTRRE		3.9050	0.0579	0.50	4.1480	0.2683	2.12
JQA4J2		4.0100	0.1629	1.41	3.8900	0.0103	0.08
JUVY8E		3.8400	-0.0071	-0.06	3.7400	-0.1397	-1.10
KTFYNP		3.7550	-0.0921	-0.80	3.7880	-0.0917	-0.72
MRXRGY		3.9331	0.0860	0.75	3.9173	0.0376	0.30
N49GVU		3.8228	-0.0243	-0.21	4.0945	0.2148	1.70
P3RK3V		4.0460	0.1989	1.72	3.9940	0.1143	0.90
QCDBZ8		3.7450	-0.1021	-0.89	3.9960	0.1163	0.92
RNKFQY		3.8032	-0.0439	-0.38	3.8072	-0.0726	-0.57
UXKMJ6		3.9060	0.0589	0.51	3.7540	-0.1257	-0.99
VFYJEN		3.7720	-0.0751	-0.65	3.8070	-0.0727	-0.57
XTTWGP		3.7300	-0.1171	-1.02	3.8800	0.0003	0.00
YDFXT4		3.7400	-0.1071	-0.93	3.7500	-0.1297	-1.02
YH8942		3.9020	0.0549	0.48	3.9110	0.0313	0.25

Summary Statistics

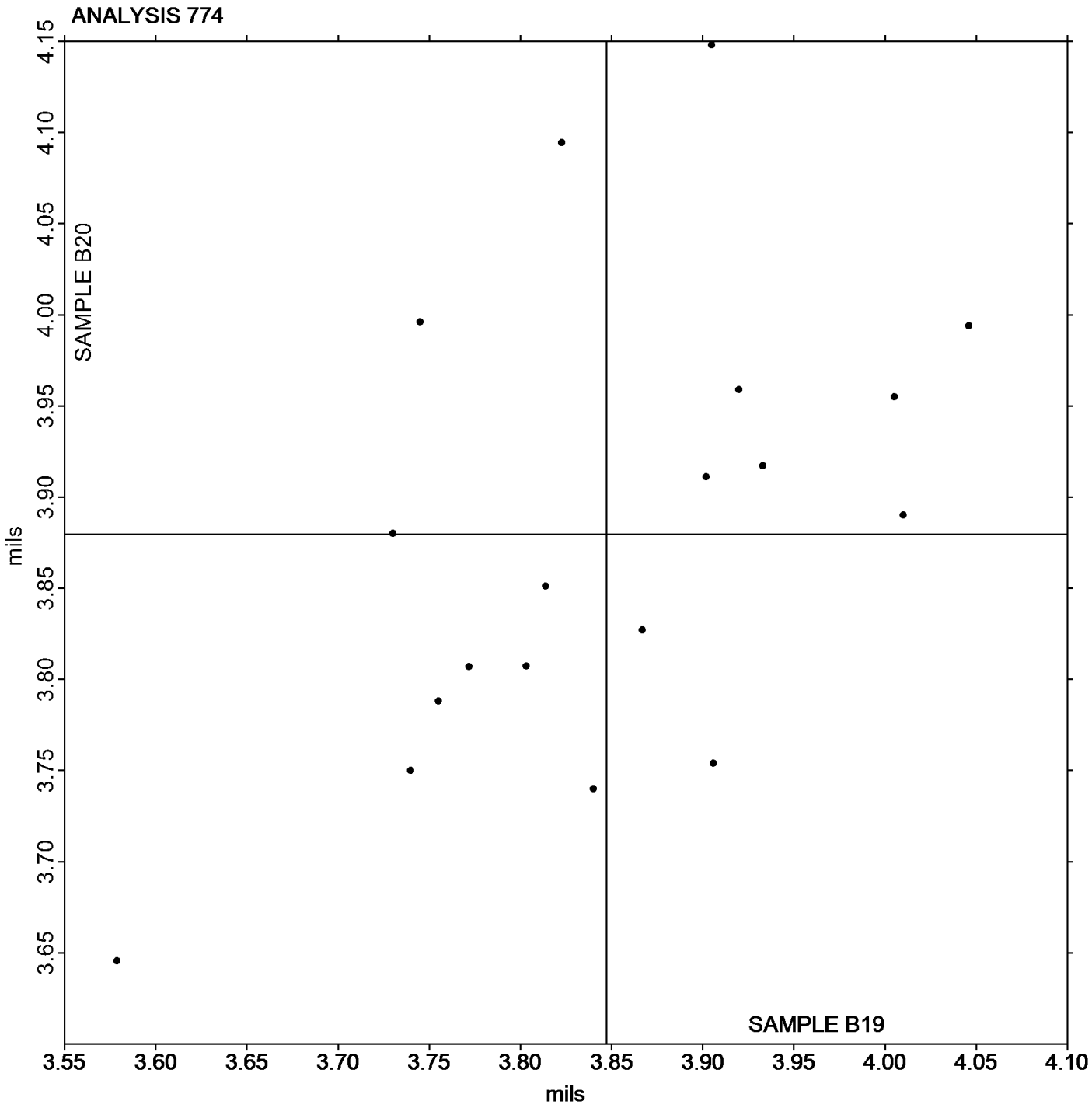
	Sample B19	Sample B20
Grand Means	3.84710 mils	3.87972 mils
Stnd Dev Btwn Labs	0.11532 mils	0.12663 mils

Statistics based on 19 of 19 reporting participants

Sample B19: LDPE & Sample B20: LDPE

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Grand Mean Sample B19: 3.8471 mils Grand Mean Sample B20: 3.8797 mils



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

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WebCode	Data Flag	Sample B19 Lab Mean	Sample B19 Diff from Grand Mean	Sample B19 CPV	Sample B20 Lab Mean	Sample B20 Diff from Grand Mean	Sample B20 CPV	Instr Code
B6MPCU		35,425	-14,642	-2.26	35,259	-9,619	-1.51	XX
D36H2W	X	24,702	-25,366	-3.91	17,465	-27,414	-4.30	IN
HFXGUA		50,794	727	0.11	35,773	-9,105	-1.43	IN
HVTRRE		56,517	6,449	0.99	50,500	5,622	0.88	IN
JQA4J2		47,623	-2,445	-0.38	43,523	-1,356	-0.21	IM
JRPGAJ		53,209	3,142	0.48	48,376	3,498	0.55	WZ
MRXRGY		58,120	8,053	1.24	56,077	11,199	1.76	IN
P3RK3V		56,564	6,496	1.00	50,952	6,073	0.95	IN
QCDBZ8		47,753	-2,314	-0.36	43,206	-1,672	-0.26	IN
UXKMJ6		50,444	376	0.06	44,558	-320	-0.05	IM
VFYJEN		50,169	101	0.02	44,954	76	0.01	IN
YH8942		44,125	-5,943	-0.92	40,482	-4,396	-0.69	SH

Summary Statistics

	Sample B19	Sample B20
Grand Means	50,067.5 psi	44,878.2 psi
Stnd Dev Btwn Labs	6,482.5 psi	6,369.0 psi

Statistics based on 11 of 12 reporting participants

Sample B19: LDPE & Sample B20: LDPE

Comments on Assigned Data Flags for Test #775

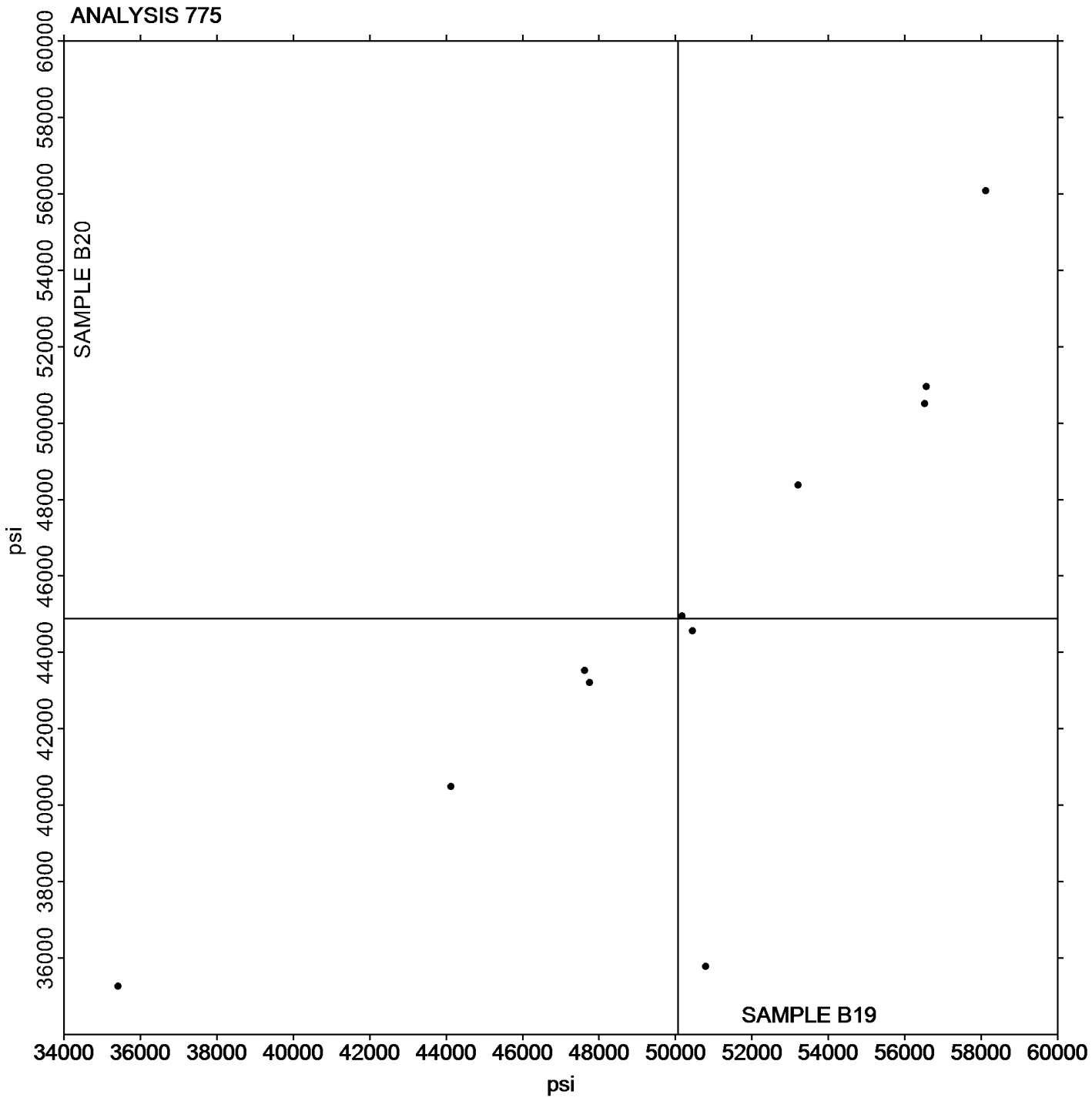
D36H2W (X) - Data for both samples are low. Inconsistent within the determinations of both samples.

Key to Instrument Codes Reported by Participants

IM	Instru-Met Instruments	IN	Instron
SH	Shimadzu	WZ	Zwick
XX	Instrument manufacturer not specified by lab		

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Grand Mean Sample B19: 50,067.51 psi Grand Mean Sample B20: 44,878.18 psi



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

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WebCode	Data Flag	Sample B19 Lab Mean	Sample B19 Diff from Grand Mean	Sample B19 CPV	Sample B20 Lab Mean	Sample B20 Diff from Grand Mean	Sample B20 CPV	Instr Code
B6MPCU		33,017	-7,893	-1.91	31,342	-5,487	-1.50	XX
D36H2W	X	20,990	-19,919	-4.82	17,738	-19,092	-5.22	IN
HFXGUA		40,926	16	0.00	35,773	-1,056	-0.29	IN
HVTRRE		44,180	3,271	0.79	39,440	2,611	0.71	IN
JQA4J2		39,046	-1,863	-0.45	35,955	-874	-0.24	IM
JRPGAJ		42,808	1,898	0.46	39,253	2,423	0.66	WZ
MRXRGY		49,313	8,403	2.03	45,167	8,338	2.28	IN
N49GVU		39,737	-1,172	-0.28	33,426	-3,403	-0.93	SH
P3RK3V		43,644	2,735	0.66	38,520	1,690	0.46	IN
QCDBZ8		40,093	-817	-0.20	36,544	-285	-0.08	IN
UXKMJ6		40,895	-14	0.00	36,454	-375	-0.10	IM
VFYJEN		41,567	658	0.16	37,486	657	0.18	IN
YH8942		35,686	-5,223	-1.26	32,591	-4,238	-1.16	SH

Summary Statistics

	Sample B19	Sample B20
Grand Means	40,909.3 psi	36,829.2 psi
Stnd Dev Btwn Labs	4,133.2 psi	3,658.7 psi

Statistics based on 12 of 13 reporting participants

Sample B19: LDPE & Sample B20: LDPE

Comments on Assigned Data Flags for Test #776

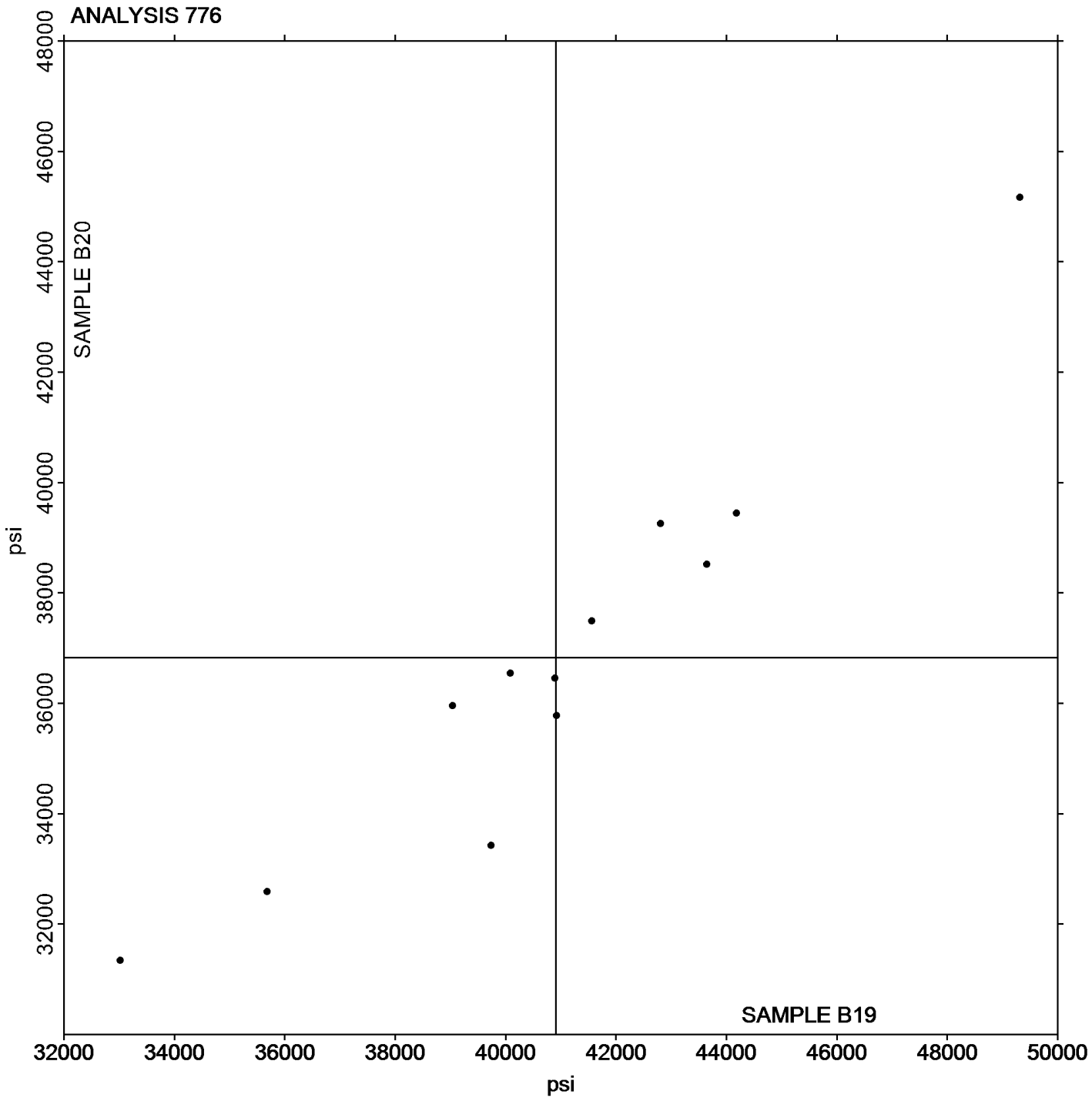
D36H2W (X) - Data for both samples are low. Inconsistent within the determinations of sample B19.

Key to Instrument Codes Reported by Participants

IM	Instru-Met Instruments	IN	Instron
SH	Shimadzu	WZ	Zwick
XX	Instrument manufacturer not specified by lab		

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Grand Mean Sample B19: 40,909.31 psi Grand Mean Sample B20: 36,829.21 psi



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

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WebCode	Data Flag	Sample P19 Lab Mean	Sample P19 Diff from Grand Mean	Sample P19 CPV	Sample P20 Lab Mean	Sample P20 Diff from Grand Mean	Sample P20 CPV	Instr Code
2FD2XV		0.3220	-0.0006	-0.01	0.4440	0.0680	1.48	SA
4NWCXZ		0.3190	-0.0036	-0.08	0.3300	-0.0460	-1.00	XX
EEZNZ2		0.3858	0.0632	1.46	0.4172	0.0412	0.89	LI
FEDQUE		0.3140	-0.0086	-0.20	0.3996	0.0236	0.51	XX
FVFGYP		0.2736	-0.0490	-1.13	0.3244	-0.0516	-1.12	IS
HVTRRE		0.2724	-0.0502	-1.16	0.3568	-0.0192	-0.42	TH
JQA4J2		0.2676	-0.0550	-1.27	0.3026	-0.0734	-1.60	TH
MGDAYZ		0.3820	0.0594	1.37	0.4088	0.0328	0.71	IG
QCDBZ8		0.3314	0.0088	0.20	0.3768	0.0008	0.02	TM
UXKMJ6		0.3578	0.0352	0.81	0.4002	0.0242	0.52	MS
YDFXT4	X	0.5608	0.2382	5.50	0.5956	0.2196	4.77	TO

Summary Statistics

	Sample P19	Sample P20
Grand Means	0.32256 COF	0.37604 COF
Stnd Dev Btwn Labs	0.04330 COF	0.04604 COF

Statistics based on 10 of 11 reporting participants

Sample P19: LDPE & Sample P20: LDPE

Comments on Assigned Data Flags for Test #780

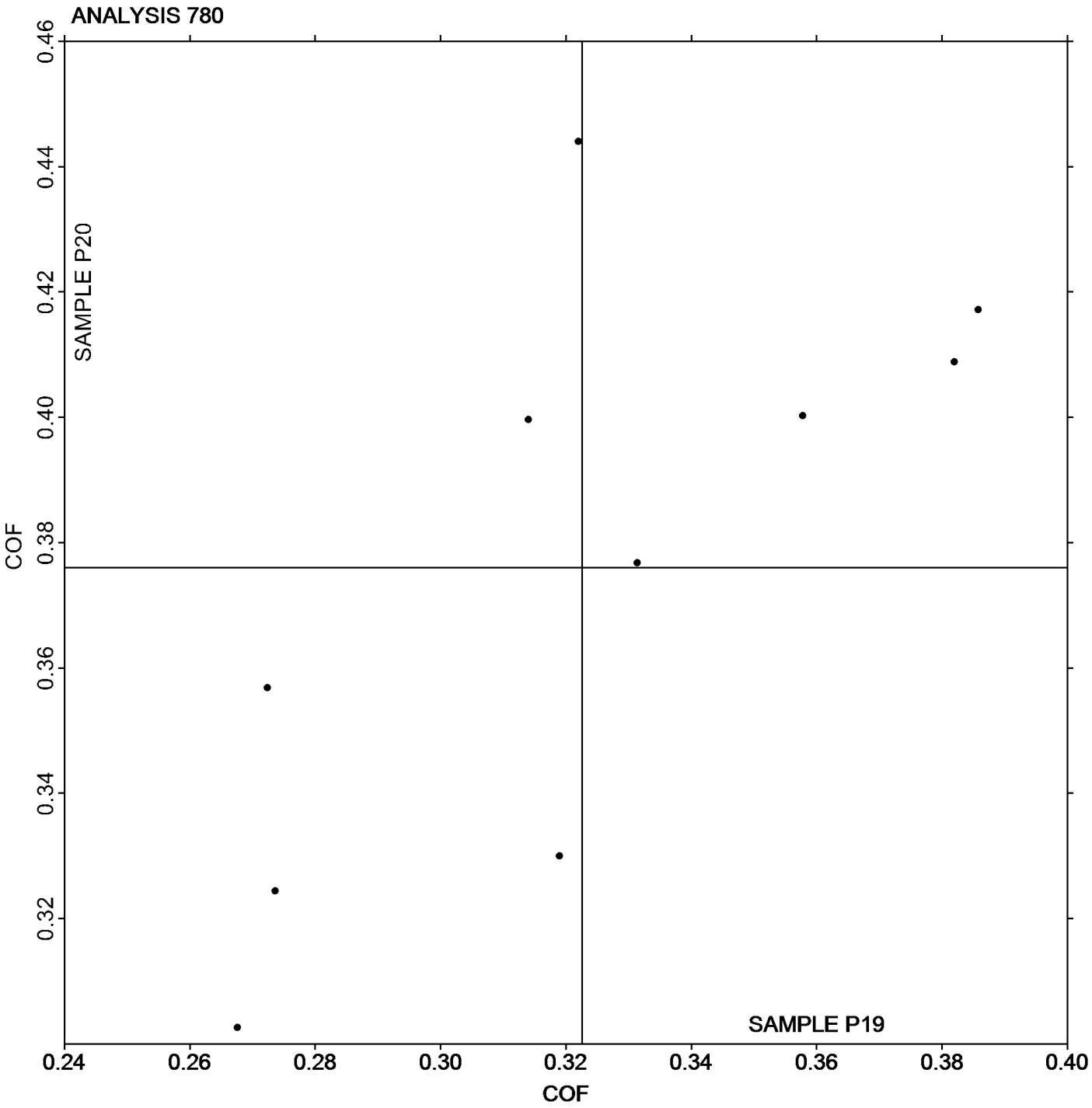
YDFXT4 (X) - Data for both samples are high. Inconsistent within the determinations of sample P20.

Key to Instrument Codes Reported by Participants

IG	Instron	IS	Instron 5000 Series
LI	Lloyd Instruments	MS	MTS
SA	Shimadzu Autograph	TH	Thwing Albert Friction/Peel Tester Model 225-1
TM	TMI Slip and Friction Tester	TO	Tinius Olsen
XX	Instrument make/model not specified by lab		

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Grand Mean Sample P19: 0.32256 COF Grand Mean Sample P20: 0.37604 COF



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

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WebCode	Data Flag	Sample P19 Lab Mean	Sample P19 Diff from Grand Mean	Sample P19 CPV	Sample P20 Lab Mean	Sample P20 Diff from Grand Mean	Sample P20 CPV	Instr Code
2FD2XV		0.3160	0.0294	1.39	0.4540	0.1049	2.35	SA
4NWCXZ		0.2964	0.0098	0.46	0.3180	-0.0311	-0.70	XX
EEZNZ2		0.3076	0.0210	0.99	0.3498	0.0007	0.02	XX
FEDQUE		0.2590	-0.0276	-1.31	0.3304	-0.0187	-0.42	XX
FVFGYP		0.2738	-0.0128	-0.61	0.3184	-0.0307	-0.69	IS
HVTRRE		0.2594	-0.0272	-1.29	0.3136	-0.0355	-0.80	TH
JQA4J2		0.2626	-0.0240	-1.14	0.3268	-0.0223	-0.50	TH
MGDAYZ		0.2926	0.0060	0.28	0.3216	-0.0275	-0.62	IG
QCDBZ8		0.3014	0.0148	0.70	0.3916	0.0425	0.95	TM
UXKMJ6		0.2972	0.0106	0.50	0.3668	0.0177	0.40	MS
YDFXT4	X	0.4788	0.1922	9.11	0.5176	0.1685	3.78	TO

Summary Statistics

	Sample P19	Sample P20
Grand Means	0.28660 COF	0.34910 COF
Stnd Dev Btwn Labs	0.02111 COF	0.04459 COF

Statistics based on 10 of 11 reporting participants

Sample P19: LDPE & Sample P20: LDPE

Comments on Assigned Data Flags for Test #781

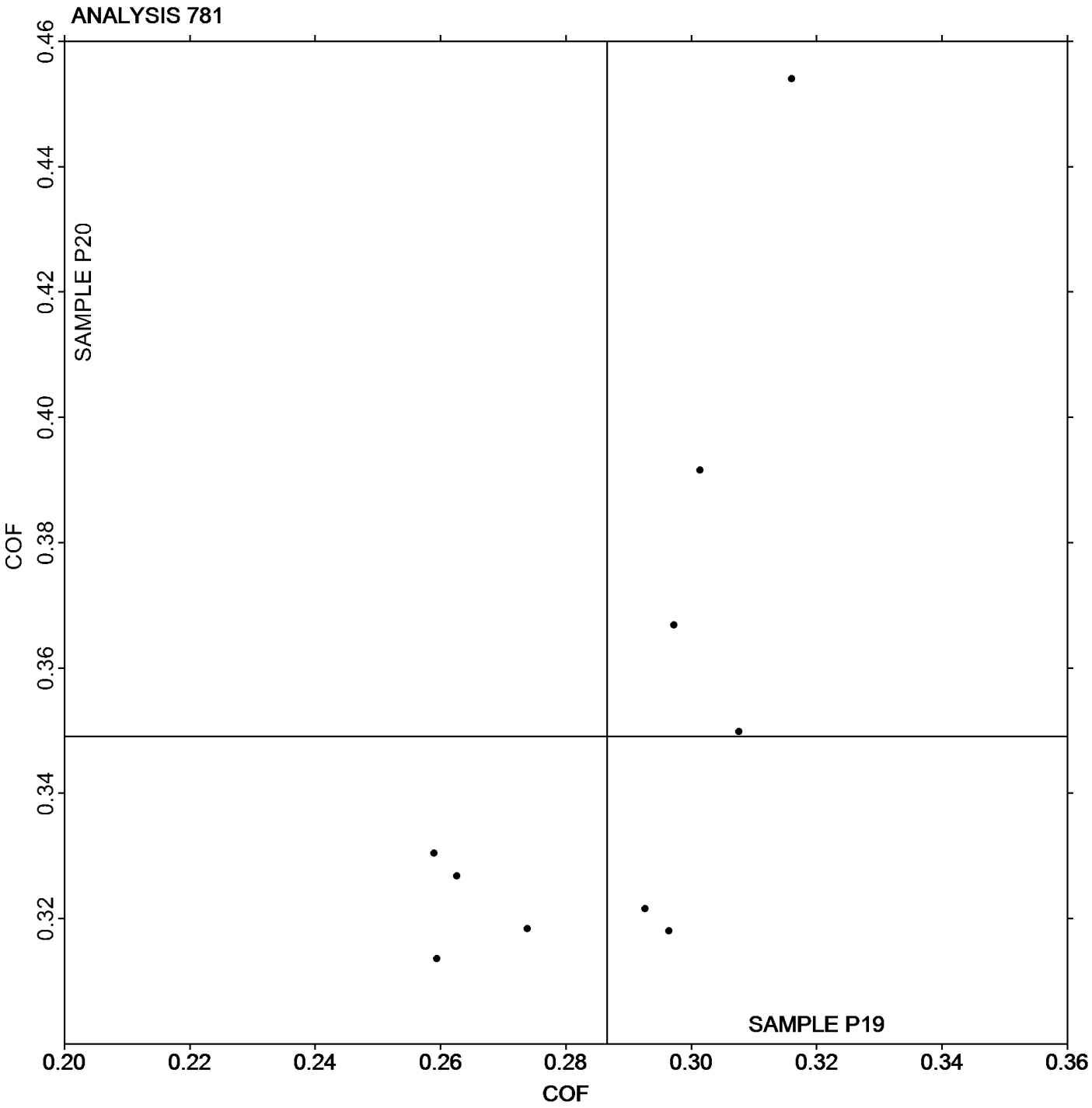
YDFXT4 (X) - Data for both samples are high. Inconistent within the determinations of sample P19.

Key to Instrument Codes Reported by Participants

IG	Instron	IS	Instron 5000 Series
MS	MTS	SA	Shimadzu Autograph
TH	Thwing Albert Friction/Peel Tester Model 225-1	TM	TMI Slip and Friction Tester
TO	Tinius Olsen	XX	Instrument make/model not specified by lab

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Grand Mean Sample P19: 0.28660 COF Grand Mean Sample P20: 0.34910 COF



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

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WebCode	Data Flag	Sample Q19 Lab Mean	Sample Q19 Diff from Grand Mean	Sample Q19 CPV	Sample Q20 Lab Mean	Sample Q20 Diff from Grand Mean	Sample Q20 CPV	Instr Code
AMKF8C		274.9	-12.5	-0.52	281.9	-15.8	-0.56	TE
HVTRRE		289.4	2.0	0.08	314.7	17.0	0.60	TE
JQA4J2		310.1	22.7	0.95	335.0	37.3	1.31	EM
LNG8TX		295.4	8.0	0.33	296.4	-1.3	-0.05	TE
QCDBZ8		281.1	-6.3	-0.26	283.8	-13.9	-0.49	TM
RNKFQY		236.9	-50.5	-2.10	242.8	-54.9	-1.93	SZ
UXKMJ6		309.8	22.4	0.94	310.1	12.4	0.43	EM
VFYJEN		301.4	14.0	0.58	317.2	19.5	0.68	TE

Summary Statistics

	Sample Q19	Sample Q20
Grand Means	287.37 grams-force	297.74 grams-force
Stnd Dev Btwn Labs	23.98 grams-force	28.47 grams-force

Statistics based on 8 of 8 reporting participants

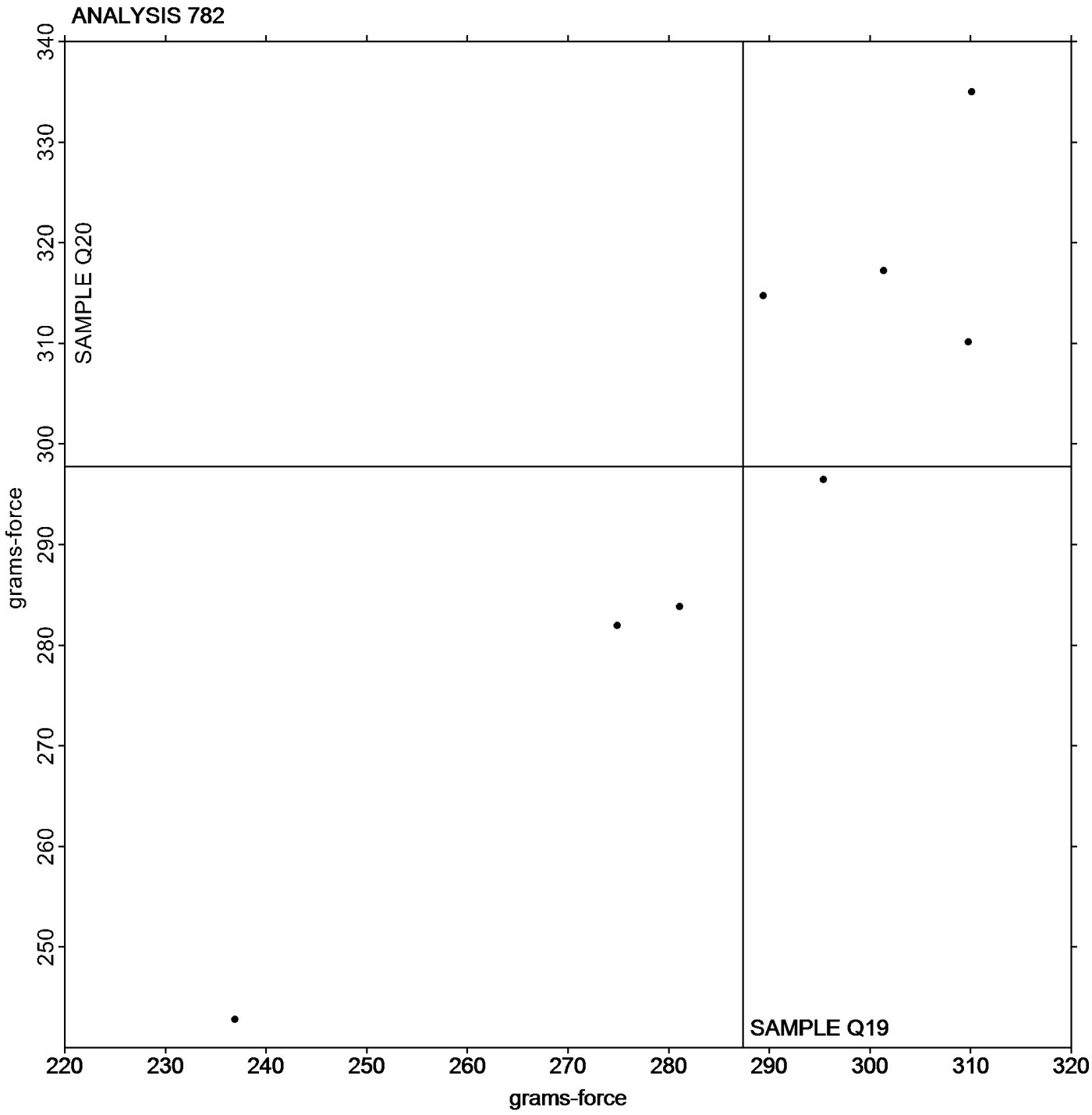
Sample Q19: LDPE & Sample Q20: LDPE

Key to Instrument Codes Reported by Participants

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

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Grand Mean Sample Q19: 287.37 grams-force Grand Mean Sample Q20: 297.74 grams-force



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

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WebCode	Data Flag	Sample D19 Lab Mean	Sample D19 Diff from Grand Mean	Sample D19 CPV	Sample D20 Lab Mean	Sample D20 Diff from Grand Mean	Sample D20 CPV	Instr Code
3PFPZR		16.825	-0.006	-0.01	18.213	0.231	0.40	BJ
49843N		17.199	0.368	0.71	17.915	-0.067	-0.12	XX
4TF83D		17.013	0.182	0.35	18.988	1.006	1.73	BJ
8FDYKL		15.713	-1.118	-2.15	17.338	-0.644	-1.11	BJ
8GKGJG		17.200	0.369	0.71	17.850	-0.132	-0.23	BJ
B8A46B		16.798	-0.033	-0.06	17.681	-0.301	-0.52	BJ
CYDNTB		16.888	0.057	0.11	17.638	-0.344	-0.59	BJ
HRDHGV		16.669	-0.162	-0.31	17.445	-0.537	-0.92	XR
HVTRRE		16.538	-0.293	-0.56	16.913	-1.069	-1.84	BJ
J2CFZP		16.378	-0.453	-0.87	17.905	-0.077	-0.13	HL
JQA4J2		16.810	-0.021	-0.04	18.335	0.353	0.61	BJ
KTFYNP		16.338	-0.493	-0.95	17.825	-0.157	-0.27	BJ
LNG8TX		16.500	-0.331	-0.64	18.050	0.068	0.12	BJ
QA47MH		16.584	-0.247	-0.47	18.466	0.484	0.83	XR
QCDBZ8		16.013	-0.818	-1.57	18.588	0.606	1.04	BJ
RNKFQY		17.363	0.532	1.02	18.863	0.881	1.51	BJ
TXG4V2		17.000	0.169	0.32	17.788	-0.194	-0.33	BJ
UXKMJ6	*	18.325	1.494	2.87	16.988	-0.994	-1.71	BJ
VFYJEN		16.788	-0.043	-0.08	18.875	0.893	1.53	BJ
VKAWVM		16.950	0.119	0.23	17.713	-0.269	-0.46	BJ
VTKYF3		17.450	0.619	1.19	18.525	0.543	0.93	BJ
XX6XJ8	X	19.559	2.728	5.24	19.915	1.933	3.32	XR
Y3HZ9P		17.063	0.232	0.44	18.363	0.381	0.65	BJ
ZPN4JV		16.713	-0.118	-0.23	17.325	-0.657	-1.13	BJ

Summary Statistics

	Sample D19	Sample D20
Grand Means	16.8309 Percent	17.9820 Percent
Stnd Dev Btwn Labs	0.5210 Percent	0.5818 Percent

Statistics based on 23 of 24 reporting participants

Sample D19: LDPE & Sample D20: LDPE

Comments on Assigned Data Flags for Test #785

XX6XJ8 (X) - Data for both samples are high.

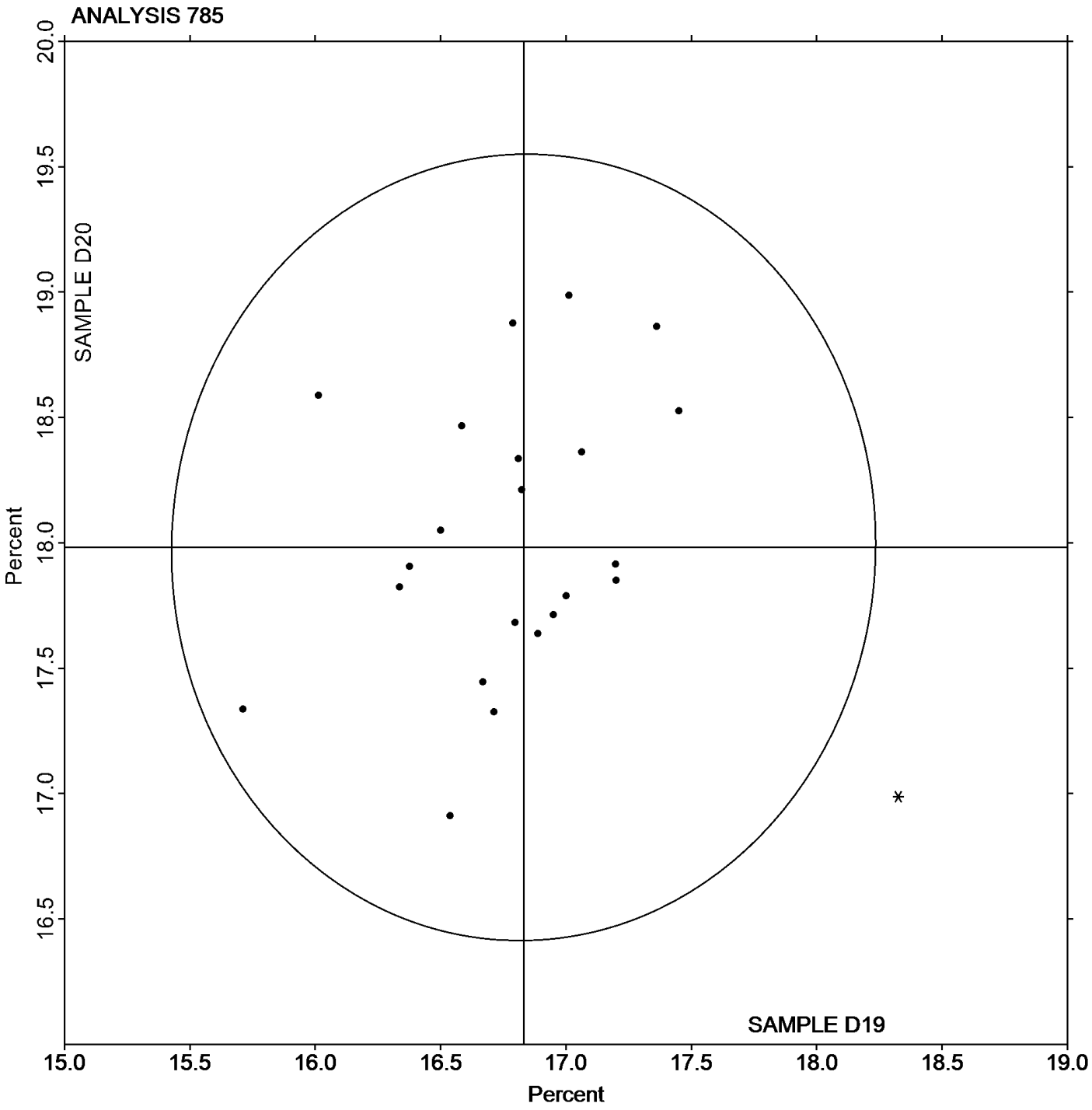
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Key to Instrument Codes Reported by Participants

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

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Grand Mean Sample D19: 16.831 Percent Grand Mean Sample D20: 17.982 Percent



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Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous Transmittance of Film

Report #139
3rd Qtr 2026

WebCode	Data Flag	Sample D19 Lab Mean	Sample D19 Diff from Grand Mean	Sample D19 CPV	Sample D20 Lab Mean	Sample D20 Diff from Grand Mean	Sample D20 CPV	Instr Code
3PFPZR		93.24	0.50	0.44	93.24	0.54	0.47	BJ
49843N		93.06	0.33	0.29	93.05	0.35	0.31	XX
4TF83D		92.54	-0.20	-0.18	92.55	-0.15	-0.13	BJ
8FDYKL	X	94.53	1.79	1.57	94.00	1.30	1.14	BJ
8GKGJG		93.40	0.66	0.58	93.35	0.65	0.57	BJ
B8A46B		92.87	0.14	0.12	92.89	0.19	0.16	BJ
CYDNTB		93.11	0.38	0.33	93.10	0.40	0.35	BJ
HRDHGV		91.33	-1.40	-1.23	91.38	-1.31	-1.15	XR
HVTRRE		93.41	0.68	0.59	93.31	0.61	0.54	BJ
J2CFZP		90.93	-1.81	-1.59	90.84	-1.86	-1.63	XX
JQA4J2		93.07	0.33	0.29	93.09	0.39	0.35	BJ
KTFYNP		93.64	0.90	0.79	93.55	0.85	0.75	BJ
LNG8TX		91.95	-0.79	-0.69	91.83	-0.87	-0.77	BJ
QA47MH		91.40	-1.34	-1.17	91.51	-1.19	-1.04	XR
QCDBZ8		93.69	0.95	0.83	93.55	0.85	0.75	BJ
RNKFQY		92.63	-0.11	-0.10	92.54	-0.16	-0.14	BJ
TXG4V2		93.28	0.54	0.47	93.10	0.40	0.35	BJ
UXKMJ6		93.50	0.76	0.67	93.58	0.88	0.77	BJ
VFYJEN		93.23	0.49	0.43	93.13	0.43	0.37	BJ
VKAWVM		93.75	1.01	0.89	93.73	1.03	0.90	BJ
VTKYF3	*	89.11	-3.62	-3.18	88.99	-3.71	-3.26	BJ
XX6XJ8		92.45	-0.29	-0.25	92.46	-0.24	-0.21	XR
Y3HZ9P		93.25	0.51	0.45	93.28	0.58	0.51	BJ
ZPN4JV		94.14	1.40	1.23	94.05	1.35	1.19	BJ

Summary Statistics

	Sample D19	Sample D20
Grand Means	92.737 Percent	92.699 Percent
Stnd Dev Btwn Labs	1.139 Percent	1.140 Percent

Statistics based on 23 of 24 reporting participants

Sample D19: LDPE & Sample D20: LDPE

Comments on Assigned Data Flags for Test #786

8FDYKL (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample D20.

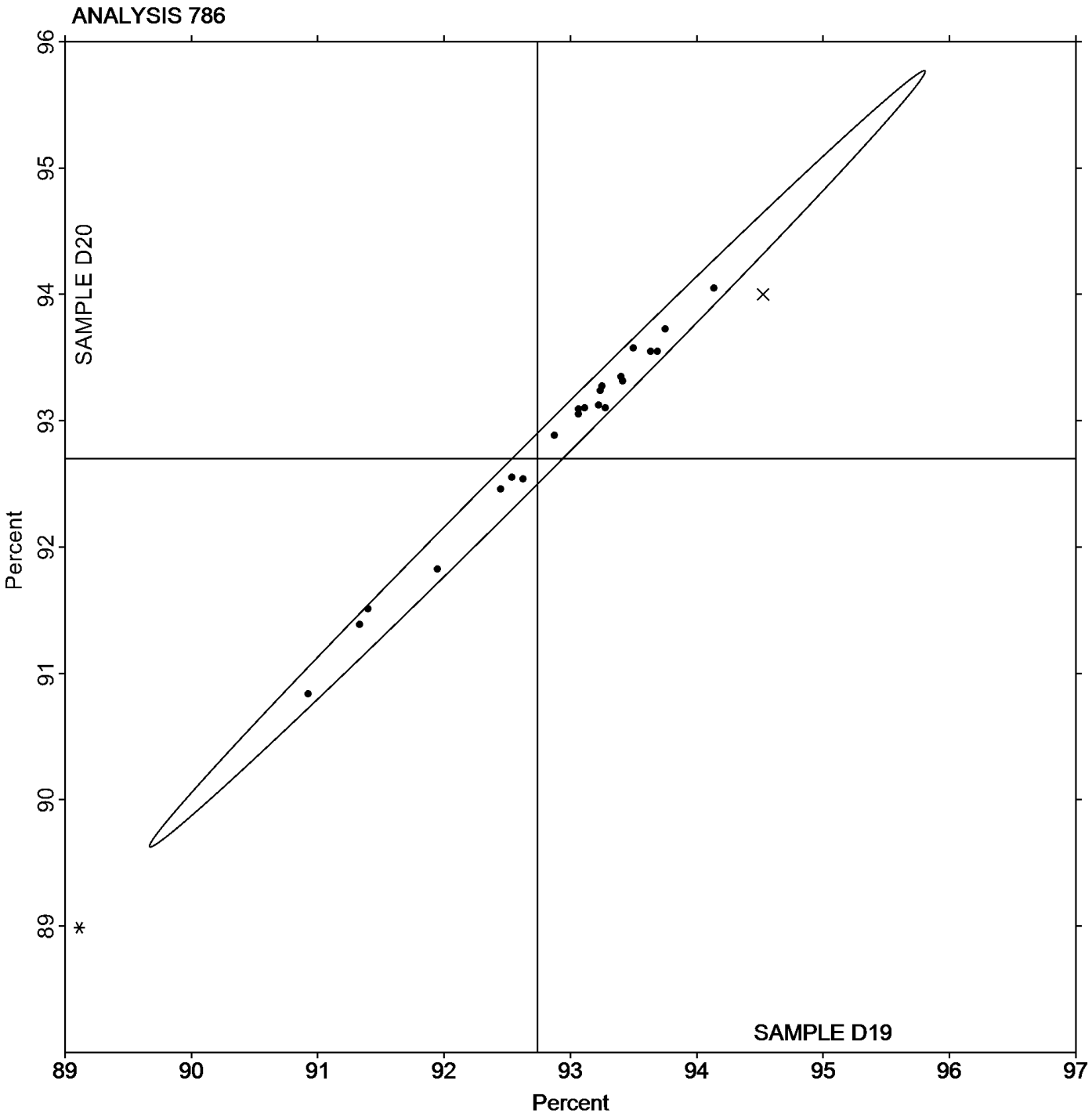
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Key to Instrument Codes Reported by Participants

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

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Grand Mean Sample D19: 92.737 Percent Grand Mean Sample D20: 92.699 Percent



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WebCode	Data Flag	Sample S19 Lab Mean	Sample S19 Diff from Grand Mean	Sample S19 CPV	Sample S20 Lab Mean	Sample S20 Diff from Grand Mean	Sample S20 CPV	Instr Code
27RXQV		3.92	-0.12	-0.56	3.88	-0.13	-0.55	CE
2CXQKQ		3.86	-0.18	-0.82	3.89	-0.13	-0.53	WZ
2W2CMH	*	4.67	0.63	2.92	4.66	0.64	2.60	TM
3D74Z8		4.00	-0.04	-0.18	4.01	-0.01	-0.03	XX
3K3VBM		4.01	-0.03	-0.16	4.01	-0.01	-0.04	XX
4FR8AQ	*	3.70	-0.34	-1.57	3.89	-0.13	-0.52	TO
4TF83D		4.05	0.01	0.06	3.87	-0.15	-0.61	CE
78P26E		4.03	-0.01	-0.06	3.89	-0.13	-0.52	TO
7FGCJF		4.39	0.35	1.62	4.48	0.46	1.87	IN
7HMUGB		4.09	0.05	0.21	4.29	0.28	1.12	BA
7Q3GQE		3.85	-0.19	-0.87	3.93	-0.09	-0.37	DS
7T4L2E		4.16	0.12	0.56	4.07	0.05	0.20	TO
88KYWK		4.22	0.18	0.85	4.34	0.32	1.29	BA
8WDBUM		4.04	0.00	0.01	3.93	-0.09	-0.38	TO
9APPYU		4.03	-0.01	-0.05	4.05	0.03	0.12	TO
9WEE8X	X	4.22	0.18	0.81	4.59	0.57	2.34	TM
AMKF8C	X	77.73	73.69	341.19	78.32	74.30	302.64	XX
B8A46B		4.06	0.02	0.09	3.99	-0.03	-0.10	TY
BBMYVF		3.86	-0.18	-0.82	3.82	-0.20	-0.82	CE
DA4UC9		4.36	0.32	1.49	4.39	0.37	1.50	XX
DUVQYU		4.00	-0.04	-0.20	4.07	0.05	0.22	TO
FPWB64		4.31	0.27	1.23	4.14	0.12	0.51	IN
G9FN76	X	5.75	1.71	7.93	5.65	1.63	6.66	TO
GBQKZA		3.95	-0.09	-0.41	3.95	-0.06	-0.26	IN
HVTRRE		4.16	0.12	0.56	4.13	0.11	0.45	CE
KHG26W		4.24	0.20	0.94	4.47	0.45	1.82	TM
MGDAYZ		3.97	-0.07	-0.33	3.90	-0.12	-0.48	CE
MQKVCU		3.98	-0.06	-0.26	4.09	0.07	0.30	TO
N7CCEX		4.21	0.17	0.79	4.12	0.10	0.42	TM
NW86YX		4.05	0.01	0.06	4.00	-0.02	-0.08	TY
PAQAHD		3.98	-0.06	-0.29	3.93	-0.09	-0.36	TO
PDNZHX		3.86	-0.18	-0.82	3.79	-0.23	-0.94	TO
QWGW3Y		3.91	-0.13	-0.62	3.89	-0.13	-0.54	TO
REVP48		3.68	-0.36	-1.68	3.63	-0.39	-1.57	TO
RPE7WE		4.13	0.09	0.40	4.22	0.20	0.83	TY

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WebCode	Data Flag	Sample S19 Lab Mean	Sample S19 Diff from Grand Mean	Sample S19 CPV	Sample S20 Lab Mean	Sample S20 Diff from Grand Mean	Sample S20 CPV	Instr Code
THP7VR		4.48	0.44	2.04	4.33	0.32	1.29	RR
U2GER2		3.67	-0.37	-1.71	3.58	-0.43	-1.77	WZ
UNRLRT		3.79	-0.25	-1.17	3.72	-0.30	-1.21	TO
VFYJEN		3.96	-0.08	-0.39	3.83	-0.19	-0.77	TO
VTKYF3		3.84	-0.20	-0.93	3.71	-0.31	-1.27	WZ
YDFXT4		3.87	-0.17	-0.79	3.65	-0.37	-1.50	WZ
YUZRJR		4.22	0.18	0.82	4.19	0.17	0.69	CS

Summary Statistics

	Sample S19	Sample S20
Grand Means	4.040 ft.lbf/in	4.018 ft.lbf/in
Stnd Dev Btwn Labs	0.216 ft.lbf/in	0.245 ft.lbf/in

Statistics based on 39 of 42 reporting participants

Sample S19: ABS & Sample S20: ABS

Comments on Assigned Data Flags for Test #790

9WEE8X (X) - Inconsistent in testing between samples.

AMKF8C (X) - Extreme data.

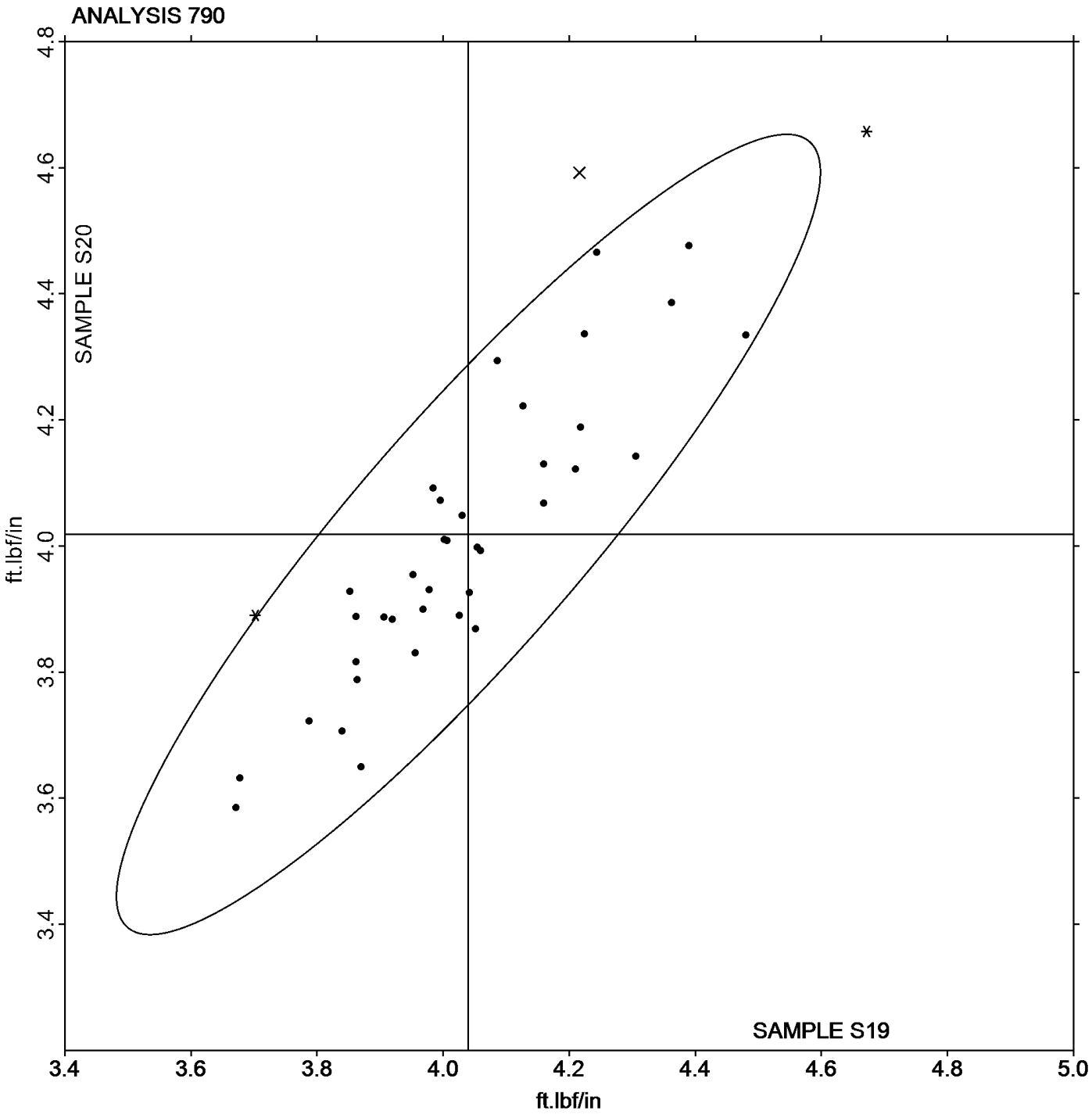
G9FN76 (X) - Data for both samples are high. Possible Systematic Error. Inconsistent within the determinations of sample S19.

Key to Instrument Codes Reported by Participants

BA	Baldwin	CE	Ceast
CS	CSI	DS	Dynisco
IN	Instron	RR	Ray-Ran Polymer Testing Equipment
TM	TMI	TO	Tinius Olsen
TY	Toyoseiki	WZ	Zwick
XX	Instrument manufacturer not specified by lab		

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Grand Mean Sample S19: 4.0400 ft.lbf/in Grand Mean Sample S20: 4.0183 ft.lbf/in



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WebCode	Data Flag	Sample Z19 Lab Mean	Sample Z19 Diff from Grand Mean	Sample Z19 CPV	Sample Z20 Lab Mean	Sample Z20 Diff from Grand Mean	Sample Z20 CPV	Instr Code
22CMED		47.37	3.33	1.11	46.31	2.31	0.76	TO
2CXQKQ		45.52	1.48	0.49	46.00	2.00	0.65	WZ
2QZZQL		47.37	3.34	1.11	48.18	4.18	1.37	WZ
3D74Z8		40.56	-3.48	-1.16	40.94	-3.06	-1.00	XX
3K3VBM	X	12.30	-31.74	-10.57	18.47	-25.53	-8.35	XX
3QM8YM		44.72	0.68	0.23	44.50	0.50	0.16	IN
7GCVKG		41.41	-2.63	-0.88	41.78	-2.22	-0.73	WZ
8TLXFD		43.60	-0.44	-0.15	41.87	-2.12	-0.69	WZ
9WEE8X		44.31	0.27	0.09	43.72	-0.28	-0.09	XX
AYZHGG		45.59	1.55	0.52	45.32	1.33	0.43	XX
B8A46B		42.85	-1.19	-0.40	42.98	-1.02	-0.33	XX
CYDNTB		45.03	1.00	0.33	45.48	1.48	0.48	WZ
EDKNDQ		50.75	6.71	2.24	49.77	5.78	1.89	CE
G9FN76		38.32	-5.72	-1.90	37.76	-6.24	-2.04	TO
GF2VT4		41.33	-2.71	-0.90	41.28	-2.72	-0.89	CE
HNBJ4H		41.56	-2.48	-0.83	40.44	-3.56	-1.16	TO
HVTRRE		46.61	2.57	0.86	46.09	2.10	0.69	CE
HW8CEW		46.73	2.69	0.90	45.16	1.16	0.38	IN
J86EG6		46.42	2.38	0.79	47.40	3.40	1.11	WZ
LYDXQY		49.81	5.77	1.92	49.22	5.22	1.71	IN
M2FHQ4		45.82	1.78	0.59	44.81	0.81	0.26	WZ
MQKVCU		42.54	-1.50	-0.50	42.61	-1.39	-0.45	TO
N7CCEX	*	36.33	-7.71	-2.57	35.57	-8.42	-2.75	XX
NW86YX		42.75	-1.29	-0.43	43.85	-0.15	-0.05	TY
NWZ8DZ		42.26	-1.78	-0.59	43.13	-0.86	-0.28	CE
P76ETZ		43.71	-0.33	-0.11	44.37	0.37	0.12	TO
PBMPUB		46.76	2.73	0.91	47.67	3.67	1.20	WZ
THP7U7		42.57	-1.46	-0.49	43.17	-0.83	-0.27	CE
U2GER2		42.51	-1.53	-0.51	43.87	-0.13	-0.04	WZ
U6HFRX		43.01	-1.03	-0.34	41.93	-2.07	-0.68	TO
UXKMJ6		44.76	0.72	0.24	44.54	0.55	0.18	WZ
VFYJEN		45.28	1.24	0.41	46.14	2.14	0.70	TO
YAC3AZ		43.34	-0.69	-0.23	43.01	-0.99	-0.32	CE
Z92MFY		42.28	-1.76	-0.59	42.92	-1.08	-0.35	TO
ZJH8ZV		47.30	3.26	1.09	47.94	3.94	1.29	TO

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WebCode	Data Flag	Sample Z19 Lab Mean	Sample Z19 Diff from Grand Mean	Sample Z19 CPV	Sample Z20 Lab Mean	Sample Z20 Diff from Grand Mean	Sample Z20 CPV	Instr Code
ZKDQ2X		40.25	-3.78	-1.26	40.17	-3.82	-1.25	CE

Summary Statistics

	Sample Z19	Sample Z20
Grand Means	44.038 kJ/m^2	43.997 kJ/m^2
Stnd Dev Btwn Labs	3.002 kJ/m^2	3.058 kJ/m^2

Statistics based on 35 of 36 reporting participants

Sample Z19: ABS/PC & Sample Z20: ABS/PC

Comments on Assigned Data Flags for Test #791

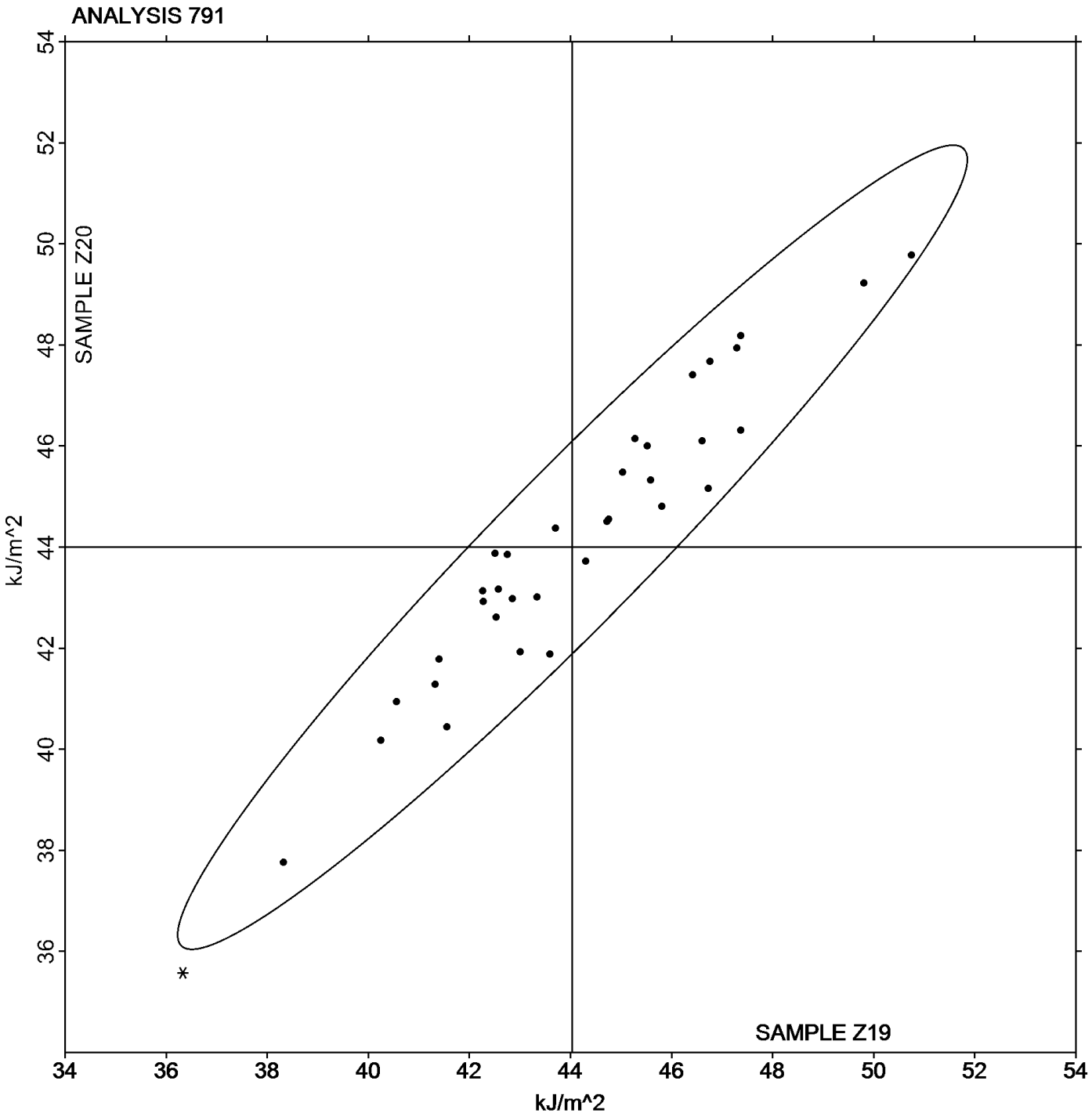
3K3VBM (X) - Data for both samples are low.

Key to Instrument Codes Reported by Participants

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

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Grand Mean Sample Z19: 44.038 kJ/m^2 Grand Mean Sample Z20: 43.997 kJ/m^2



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WebCode	Data Flag	Sample M19 Lab Mean	Sample M19 Diff from Grand Mean	Sample M19 CPV	Sample M20 Lab Mean	Sample M20 Diff from Grand Mean	Sample M20 CPV	Instr Code
27RXQV		49.27	3.05	0.79	48.04	1.91	0.52	CE
2CXQKQ		49.61	3.40	0.88	49.11	2.98	0.81	WZ
2QZZQL		51.74	5.52	1.43	51.36	5.23	1.42	WZ
3D74Z8	X	15.81	-30.40	-7.86	16.75	-29.38	-7.98	XX
3K3VBM		40.66	-5.56	-1.44	41.14	-4.99	-1.35	XX
3QM8YM		47.41	1.20	0.31	46.59	0.46	0.13	IN
4FR8AQ		41.62	-4.60	-1.19	41.79	-4.34	-1.18	TO
67VRXR		43.45	-2.76	-0.71	42.81	-3.32	-0.90	TO
7GCVKG		42.25	-3.97	-1.03	42.50	-3.63	-0.98	WZ
7HMUGB	*	53.06	6.85	1.77	54.19	8.06	2.19	XX
7T4L2E		45.93	-0.29	-0.07	45.52	-0.61	-0.17	TO
7UFBGK		48.73	2.51	0.65	49.00	2.87	0.78	WZ
8TLXFD		43.40	-2.82	-0.73	43.18	-2.95	-0.80	WZ
8WDBUM		49.82	3.60	0.93	48.84	2.71	0.74	TO
9A4B9V		48.02	1.80	0.47	48.54	2.41	0.66	TY
9LEX9F		49.41	3.19	0.83	49.48	3.36	0.91	WZ
9NNT4K		49.93	3.72	0.96	48.22	2.09	0.57	TM
9WEE8X		46.43	0.21	0.05	45.97	-0.16	-0.04	XX
AYZHGG		46.01	-0.21	-0.05	46.34	0.21	0.06	WZ
B8A46B		44.43	-1.79	-0.46	44.53	-1.59	-0.43	TY
BBMYVF		44.16	-2.06	-0.53	43.90	-2.23	-0.60	CE
BRXTBW		50.70	4.48	1.16	51.20	5.07	1.38	TO
BZ9UWW		47.35	1.14	0.29	46.34	0.22	0.06	TO
CYDNTB		49.96	3.74	0.97	49.32	3.19	0.87	WZ
DXXQYQ		48.87	2.66	0.69	48.93	2.81	0.76	XX
E6PLCF		45.96	-0.26	-0.07	44.03	-2.10	-0.57	PO
EDKNDQ		50.54	4.33	1.12	50.56	4.43	1.20	CE
GCJB7N		40.76	-5.46	-1.41	41.13	-4.99	-1.36	WZ
H4NUUP		46.17	-0.05	-0.01	46.12	-0.01	0.00	WZ
HNBJ4H		42.73	-3.49	-0.90	41.80	-4.33	-1.17	TO
J2CFZP	X	74.02	27.80	7.19	75.04	28.91	7.85	TO
J86EG6		45.18	-1.04	-0.27	46.28	0.15	0.04	WZ
JUVY8E	*	38.60	-7.62	-1.97	41.06	-5.07	-1.38	TO
KX9Y67		44.29	-1.93	-0.50	44.12	-2.01	-0.55	XX
LU6W92	X	48.37	2.15	0.56	51.91	5.78	1.57	TM

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WebCode	Data Flag	Sample M19 Lab Mean	Sample M19 Diff from Grand Mean	Sample M19 CPV	Sample M20 Lab Mean	Sample M20 Diff from Grand Mean	Sample M20 CPV	Instr Code
LYDXQY		49.58	3.36	0.87	48.75	2.63	0.71	IN
N7CCEX	*	36.60	-9.61	-2.49	38.23	-7.90	-2.14	TM
NWZ8DZ		42.43	-3.78	-0.98	41.78	-4.35	-1.18	CE
P76ETZ		46.15	-0.07	-0.02	46.57	0.44	0.12	TO
PAQAHD	*	55.10	8.89	2.30	55.67	9.54	2.59	TO
PBMPUB		43.68	-2.54	-0.66	44.55	-1.58	-0.43	WZ
RPE7WE		47.99	1.78	0.46	48.05	1.92	0.52	TY
THP7U7		44.29	-1.93	-0.50	43.40	-2.73	-0.74	CE
U2GER2		44.35	-1.87	-0.48	44.41	-1.72	-0.47	WZ
UNRLRT		47.56	1.34	0.35	46.52	0.39	0.11	TO
UXKMJ6		44.72	-1.50	-0.39	44.74	-1.39	-0.38	WZ
VFYJEN		47.88	1.66	0.43	47.48	1.35	0.37	TO
VTKYF3	X	47.58	1.36	0.35	42.53	-3.59	-0.98	WZ
XTA4NR		43.46	-2.76	-0.71	42.41	-3.72	-1.01	CE
YAC3AZ	X	42.02	-4.20	-1.09	47.56	1.44	0.39	CE
ZJH8ZV		51.26	5.04	1.30	51.28	5.15	1.40	TO
ZKDQ2X		40.66	-5.56	-1.44	42.20	-3.93	-1.07	CE

Summary Statistics

	Sample M19	Sample M20
Grand Means	46.215 kJ/m^2	46.127 kJ/m^2
Stnd Dev Btwn Labs	3.867 kJ/m^2	3.683 kJ/m^2

Statistics based on 47 of 52 reporting participants

Sample M19: ABS/PC & Sample M20: ABS/PC

Comments on Assigned Data Flags for Test #792

3D74Z8 (X) - Data for both samples are low.

J2CFZP (X) - Data for both samples are high.

YAC3AZ (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample M20.

VTKYF3 (X) - Inconsistent in testing between samples.

LU6W92 (X) - Inconsistent in testing between samples. Inconsistent within the determinations of sample M20.

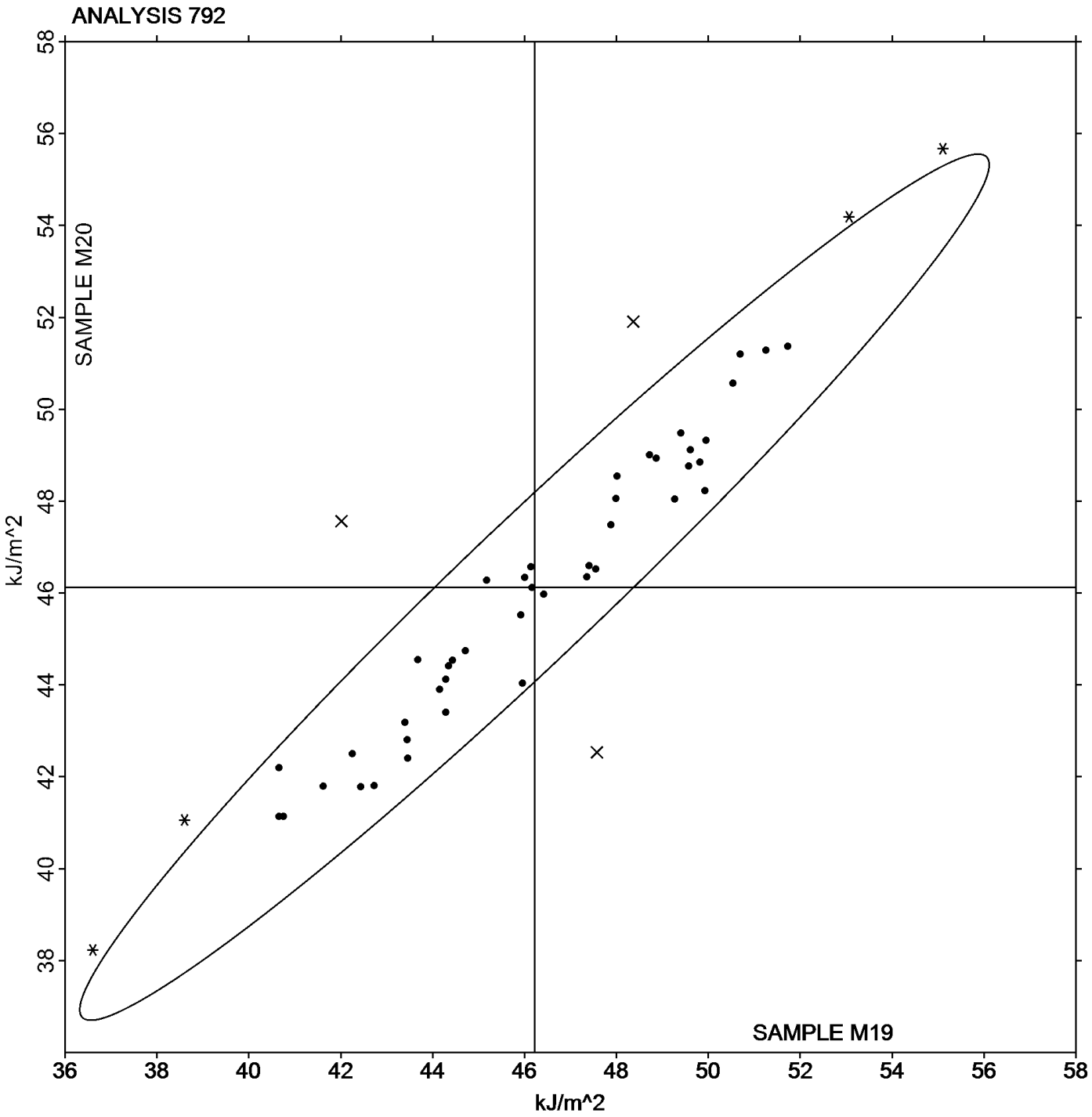
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Key to Instrument Codes Reported by Participants

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

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Grand Mean Sample M19: 46.215 kJ/m^2 Grand Mean Sample M20: 46.127 kJ/m^2



-End of Report-

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