



2011 AOF Test Check Program
Monthly Report
Round 11
November 2011
01/11/2011 – 30/11/2011

Result Receiving Dates

Lab Code	Date
A	12/12/2011
B	28/11/2011
C	14/12/2011
D	13/12/2011
E	30/11/2011
F	23/11/2011
G	01/12/2011
H	12/12/2011
I	28/11/2011
J	21/11/2011
K	30/11/2011
L	28/11/2011
M	02/12/2011
N	20/11/2011
O	-

Discussion of Results

Test Weight

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **E** with a – 1.42 of a percent discrepancy from the upper (69.78%) quartile limit.

Impurities

Sample 1 – One outlier was identified for Lab **L** with a - 0.47 of a percent discrepancy from the upper (3.03%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.



2011 AOF Test Check Program
Monthly Report
Round 11
November 2011
01/11/2011 – 30/11/2011

Oil Rapid

- Sample 1 – One outlier was identified for Lab **D** with a – 1.40 of a percent discrepancy from the lower (44.08%) quartile limit.
- Sample 2 – Outliers were identified for Lab **D** and **G**. Lab D results were 2.65 of a percent discrepancy from the lower (36.34%) quartile limit. Lab G results were 2.26 of a percent discrepancy from the upper (39.24%) quartile limit.
- Sample 3 – One outlier was identified for Lab **D** with a - 0.55 of a percent discrepancy from the lower (38.31%) quartile limit.

Oil Solvent (ISO 659)

- Sample 1 – One outlier was identified for Lab **G** with a – 1.96 of a percent discrepancy from the lower (42.88%) quartile limit.
- Sample 2 – One outlier was identified for Lab **G** with a 2.59 of a percent discrepancy from the upper (38.82%) quartile limit.
- Sample 3 – No outliers were observed.

Oil Solvent Reference (AOCS Method Am 2-93)

- Sample 1 – One outlier was identified for Lab **G** with a – 0.69 of a percent discrepancy from the lower (42.11%) quartile limit.
- Sample 2 – No outliers were observed.
- Sample 3 – No outliers were observed.

Moisture Oven

- Sample 1 – No outliers were observed.
- Sample 2 – One outlier was identified for Lab **I** with a – 0.26 of a percent discrepancy from the upper (6.41%) quartile limit.
- Sample 3 – Outliers were identified for results submitted by Lab **C**, **G** and **K**. Lab C results were 0.05 of a percent discrepancy from the upper (6.13%) quartile limit. Lab G results were 0.02 of a percent discrepancy from the lower (5.53%) quartile limit. Lab K results were 0.02 of a percent discrepancy from the lower (5.50%) quartile limit.



2011 AOF Test Check Program
Monthly Report
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Moisture Rapid

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **G** with a – 0.30 of a percent discrepancy from the upper (6.10%) quartile limit.

Sample 3 – One outlier was identified for Lab **A** with a – 0.04 of a percent discrepancy from the upper (6.26%) quartile limit.

Oleic Oil

No outliers were observed.

Linoleic Oil

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

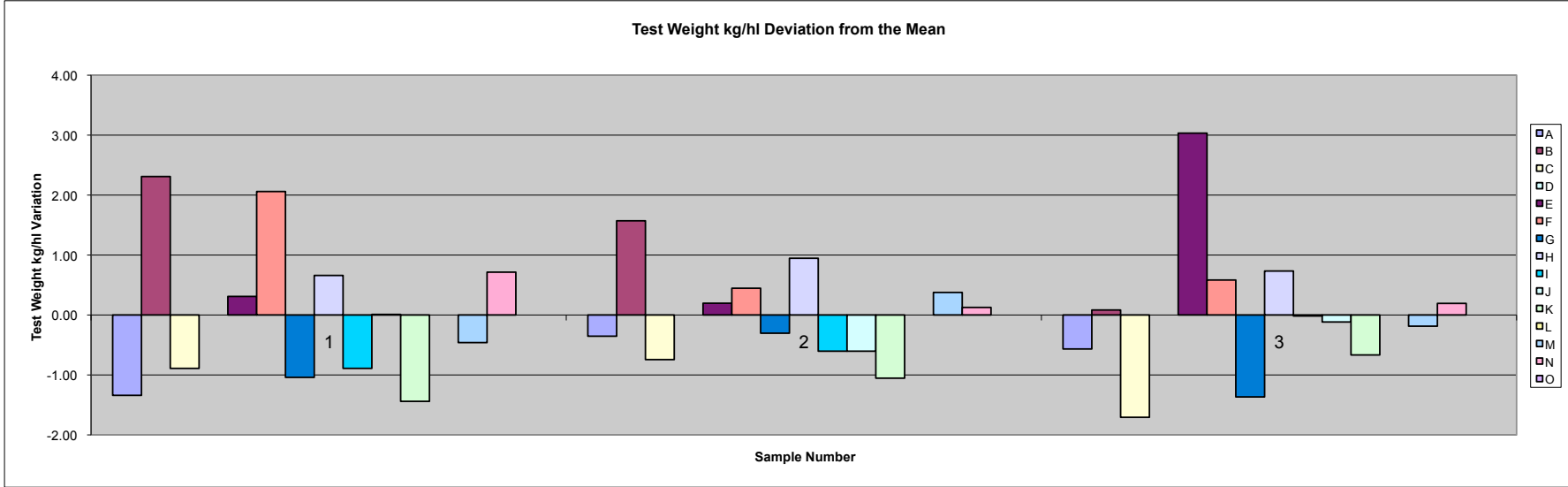
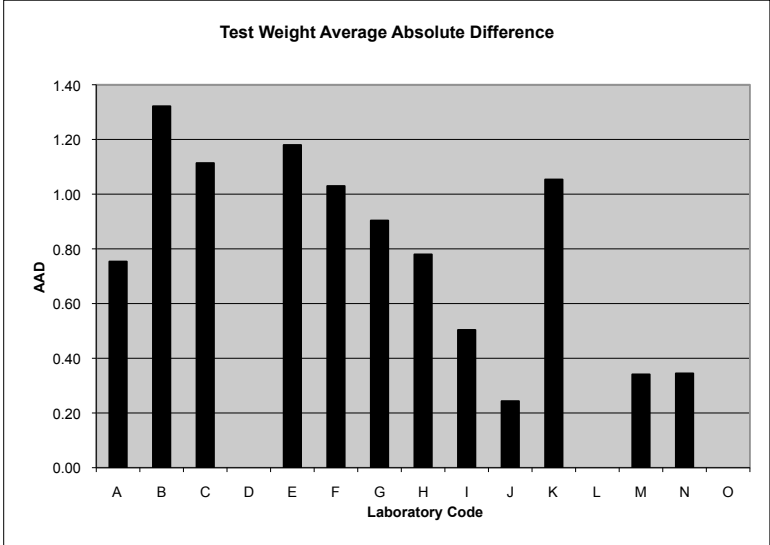
Sample 3 – One outlier was identified for Lab **C** with a – 0.36 of a percent discrepancy from the lower (18.78%) quartile limit.

Free Fatty Acid

No outliers were observed.

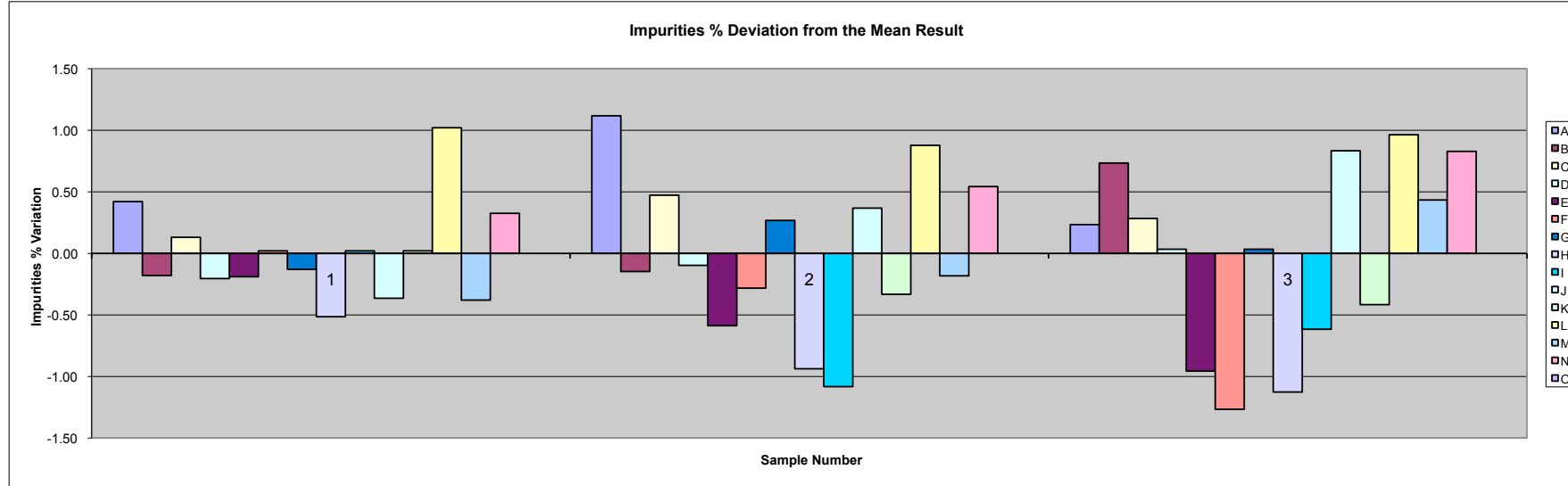
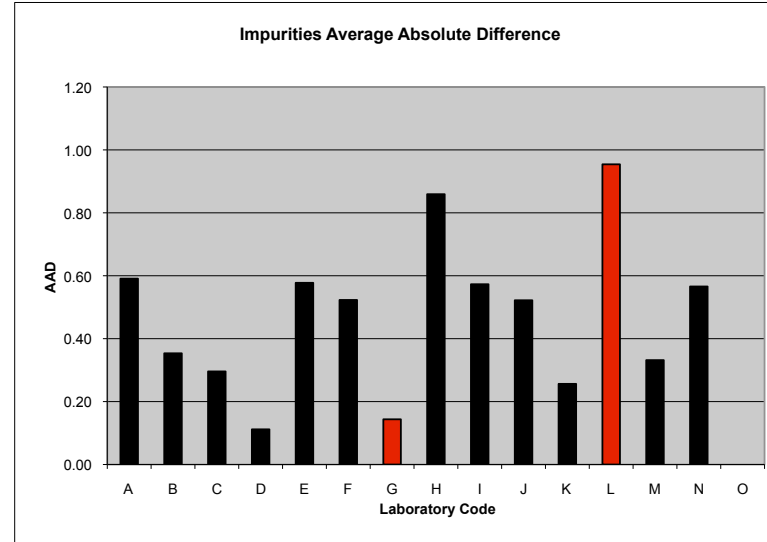
**2011 AOF Test Check Program
Round 11 Summary - November**

Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	63.10	-1.34	66.20	-0.35	67.60	-0.57	-0.75	0.75
B	66.75	2.31	68.13	1.57	68.25	0.08	1.32	1.32
C	63.55	-0.89	65.81	-0.74	66.46	-1.71	-1.11	1.11
D								
E	64.75	0.31	66.75	0.20	71.20	3.03	1.18	1.18
F	66.50	2.06	67.00	0.45	68.75	0.58	1.03	1.03
G	63.40	-1.04	66.25	-0.30	66.80	-1.37	-0.90	0.90
H	65.10	0.66	67.50	0.95	68.90	0.73	0.78	0.78
I	63.55	-0.89	65.95	-0.60	68.15	-0.02	-0.50	0.50
J	64.45	0.01	65.95	-0.60	68.05	-0.12	-0.24	0.24
K	63.00	-1.44	65.50	-1.05	67.50	-0.67	-1.05	1.05
L								
M	63.98	-0.46	66.93	0.38	67.98	-0.19	-0.09	0.34
N	65.16	0.71	66.68	0.13	68.36	0.19	0.34	0.34
O								
MEAN	64.44		66.55		68.17			0.80
STDEV	1.26		0.76		1.20			



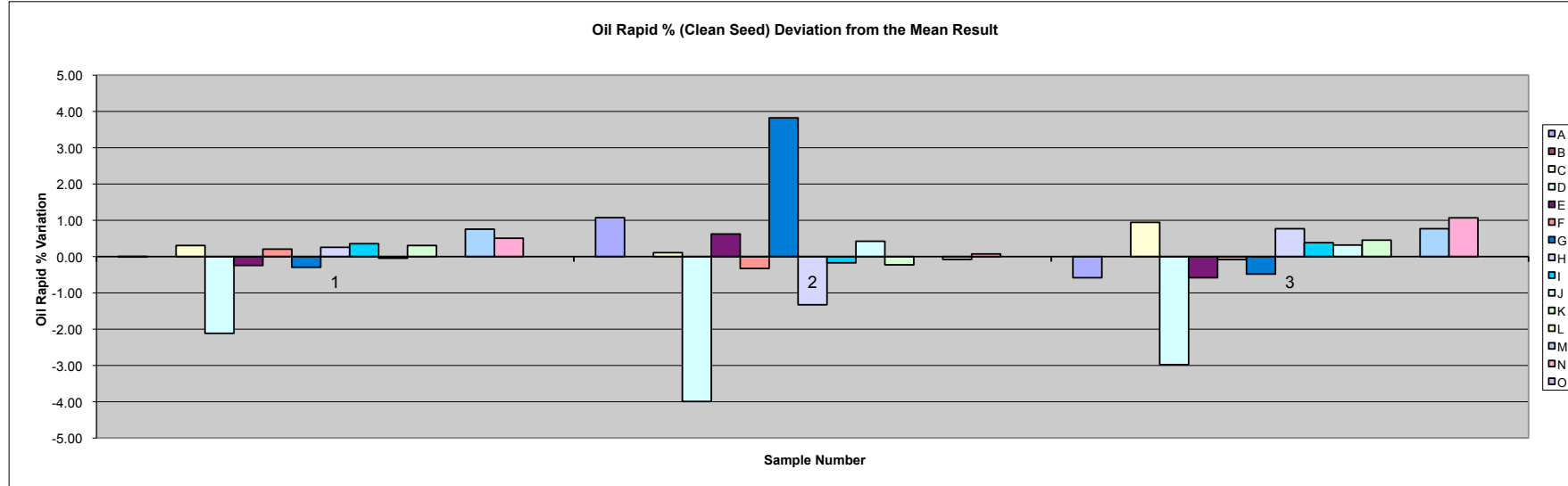
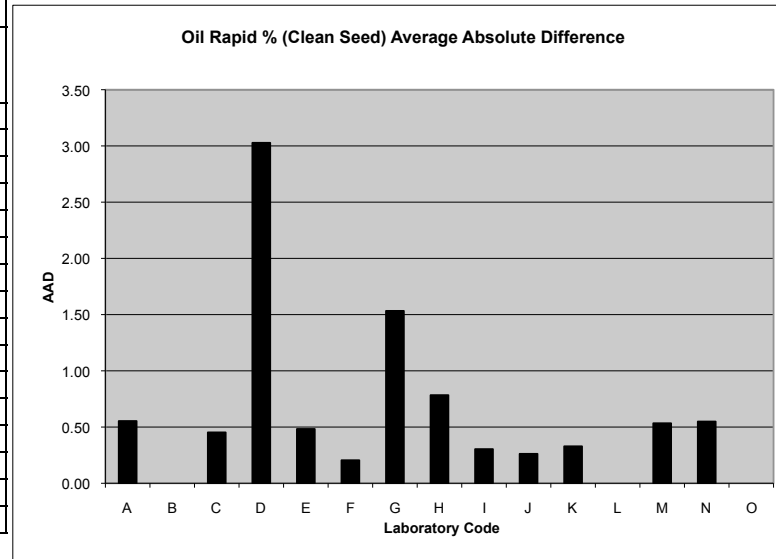
**2011 AOF Test Check Program
Round 11 Summary - November**

Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	2.90	0.42	3.85	1.12	2.25	0.23	0.59	0.59
B	2.30	-0.18	2.59	-0.15	2.75	0.73	0.14	0.35
C	2.61	0.13	3.21	0.47	2.30	0.28	0.30	0.30
D	2.28	-0.20	2.64	-0.10	2.05	0.03	-0.09	0.11
E	2.29	-0.19	2.15	-0.59	1.06	-0.96	-0.58	0.58
F	2.50	0.02	2.45	-0.28	0.75	-1.27	-0.51	0.52
G	2.35	-0.13	3.00	0.27	2.05	0.03	0.06	0.14
H	1.97	-0.51	1.80	-0.94	0.89	-1.13	-0.86	0.86
I	2.50	0.02	1.65	-1.08	1.40	-0.62	-0.56	0.57
J	2.12	-0.36	3.10	0.37	2.85	0.83	0.28	0.52
K	2.50	0.02	2.40	-0.33	1.60	-0.42	-0.24	0.26
L	3.50	1.02	3.61	0.88	2.98	0.96	0.95	0.95
M	2.10	-0.38	2.55	-0.18	2.45	0.43	-0.04	0.33
N	2.81	0.33	3.28	0.54	2.85	0.83	0.57	0.57
O								
MEAN	2.48		2.73		2.02			0.48
STDEV	0.39		0.64		0.76			



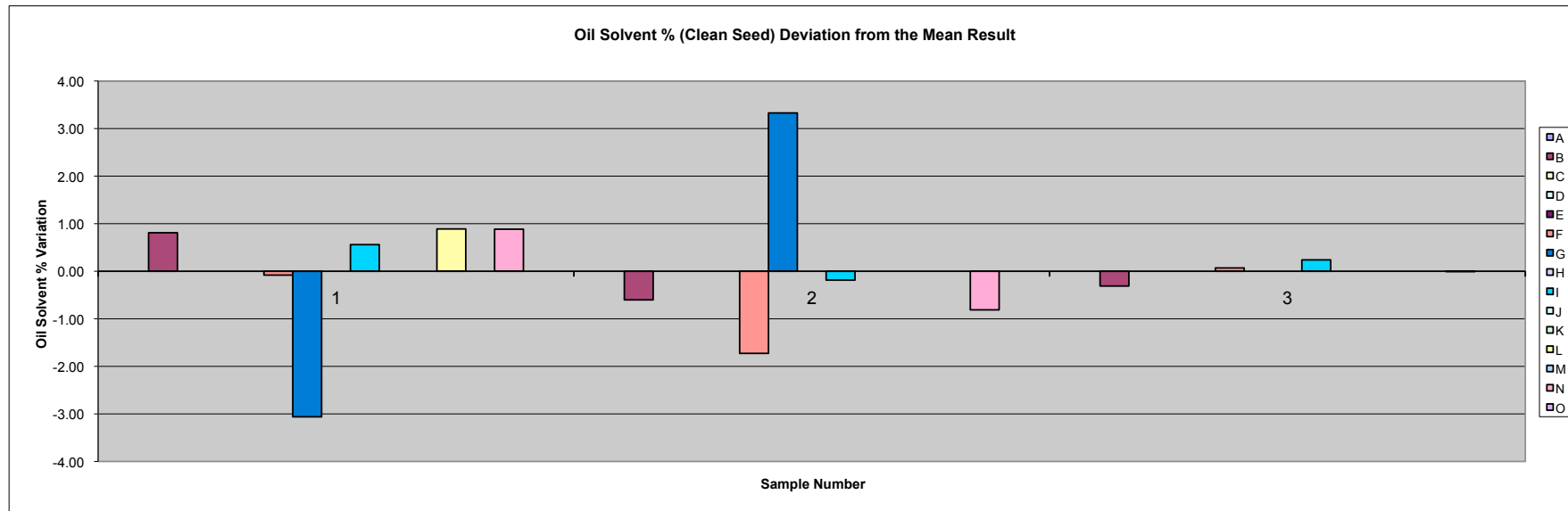
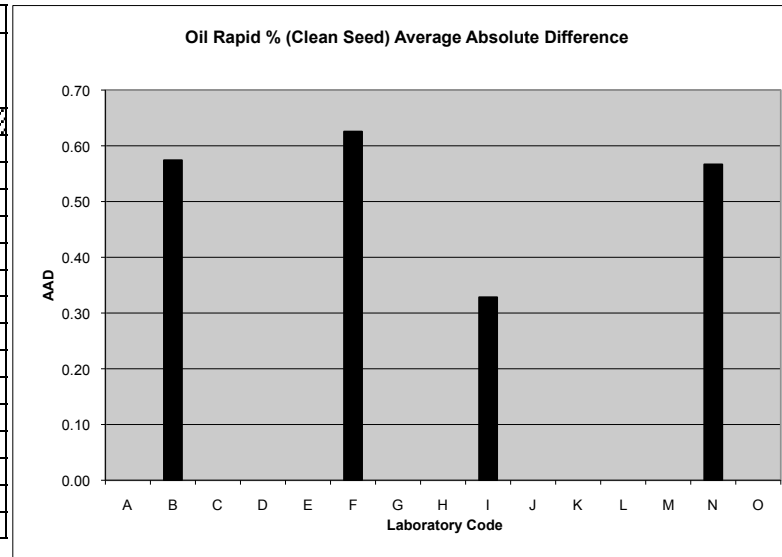
**2011 AOF Test Check Program
Round 11 Summary - November**

Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	44.80	0.01	38.75	1.07	40.70	-0.58	0.17	0.55
B								
C	45.10	0.31	37.79	0.11	42.23	0.94	0.45	0.45
D	42.68	-2.11	33.69	-3.99	38.31	-2.98	-3.03	3.03
E	44.55	-0.24	38.30	0.62	40.70	-0.58	-0.07	0.48
F	45.00	0.21	37.35	-0.33	41.20	-0.08	-0.07	0.20
G	44.50	-0.29	41.50	3.82	40.80	-0.48	1.02	1.53
H	45.05	0.26	36.35	-1.33	42.05	0.77	-0.10	0.78
I	45.15	0.36	37.51	-0.17	41.67	0.38	0.19	0.30
J	44.75	-0.04	38.10	0.42	41.60	0.32	0.23	0.26
K	45.10	0.31	37.45	-0.23	41.74	0.45	0.18	0.33
L								
M	45.55	0.76	37.60	-0.08	42.05	0.77	0.48	0.53
N	45.30	0.51	37.75	0.07	42.35	1.07	0.55	0.55
O								
MEAN	44.79		37.68		41.28			0.75
STDEV	0.73		1.76		1.11			



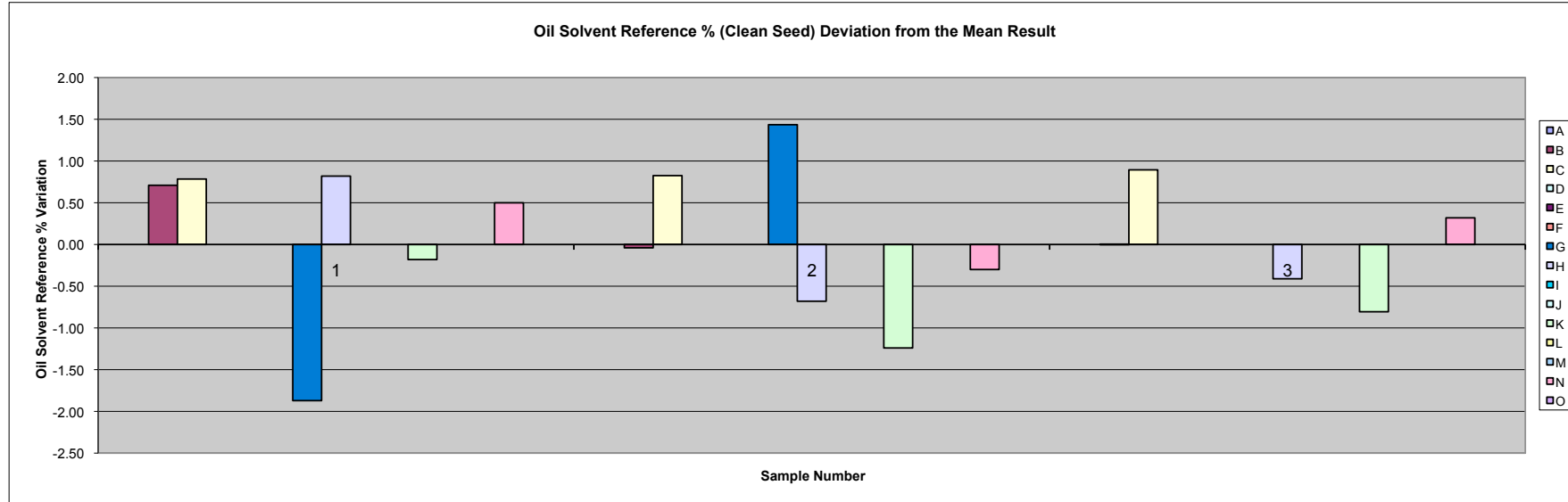
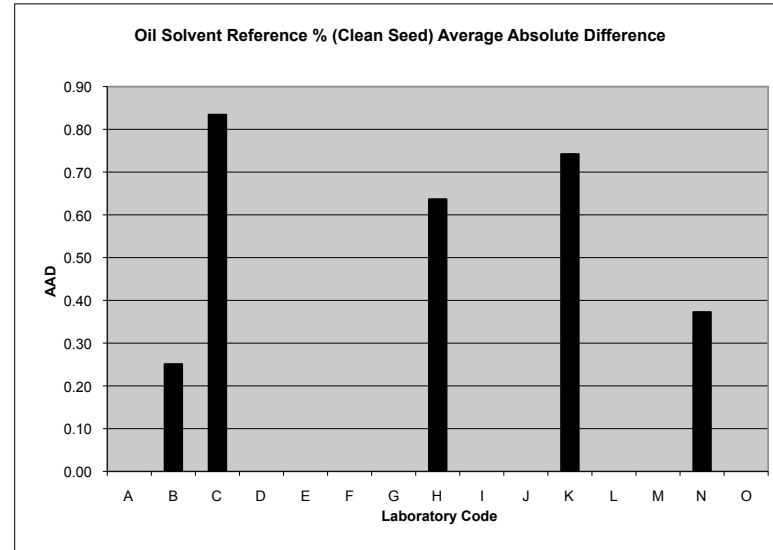
**2011 AOF Test Check Program
Round 11 Summary - November**

Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	44.79	0.81	37.48	-0.60	41.32	-0.31	-0.03	0.57
C								
D								
E								
F	43.90	-0.08	36.35	-1.73	41.70	0.07	-0.58	0.63
G	40.92	-3.06	41.41	3.33				
H								
I	44.54	0.56	37.89	-0.19	41.87	0.24	0.20	0.33
J								
K								
L	44.87	0.89						
M								
N	44.87	0.88	37.27	-0.81	41.64	0.00	0.03	0.57
O								
MEAN	43.98		38.08		41.63			0.52
STDEV	1.54		1.94		0.23			



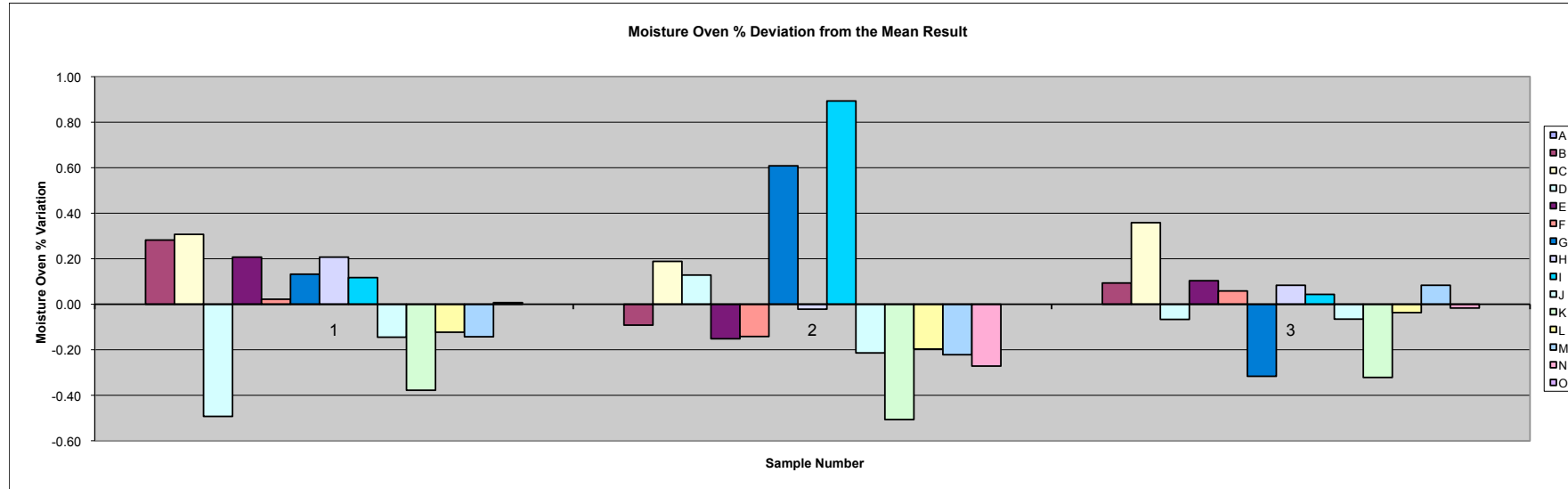
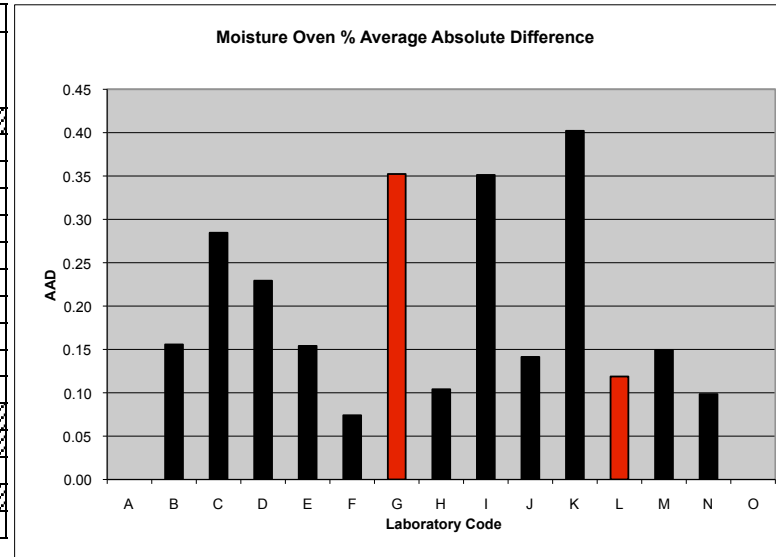
**2011 AOF Test Check Program
Round 11 Summary - November**

Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	44.69	0.71	37.79	-0.04	41.57	0.00	0.22	0.25
C	44.77	0.78	38.66	0.82	42.46	0.89	0.83	0.83
D								
E								
F								
G	42.11	-1.87	39.27	1.44				
H	44.80	0.82	37.15	-0.68	41.15	-0.41	-0.09	0.64
I								
J								
K	43.80	-0.18	36.59	-1.24	40.76	-0.81	-0.74	0.74
L								
M								
N	44.48	0.50	37.53	-0.30	41.88	0.32	0.17	0.37
O								
MEAN	44.11		37.83		41.56			0.57
STDEV	1.05		0.98		0.66			



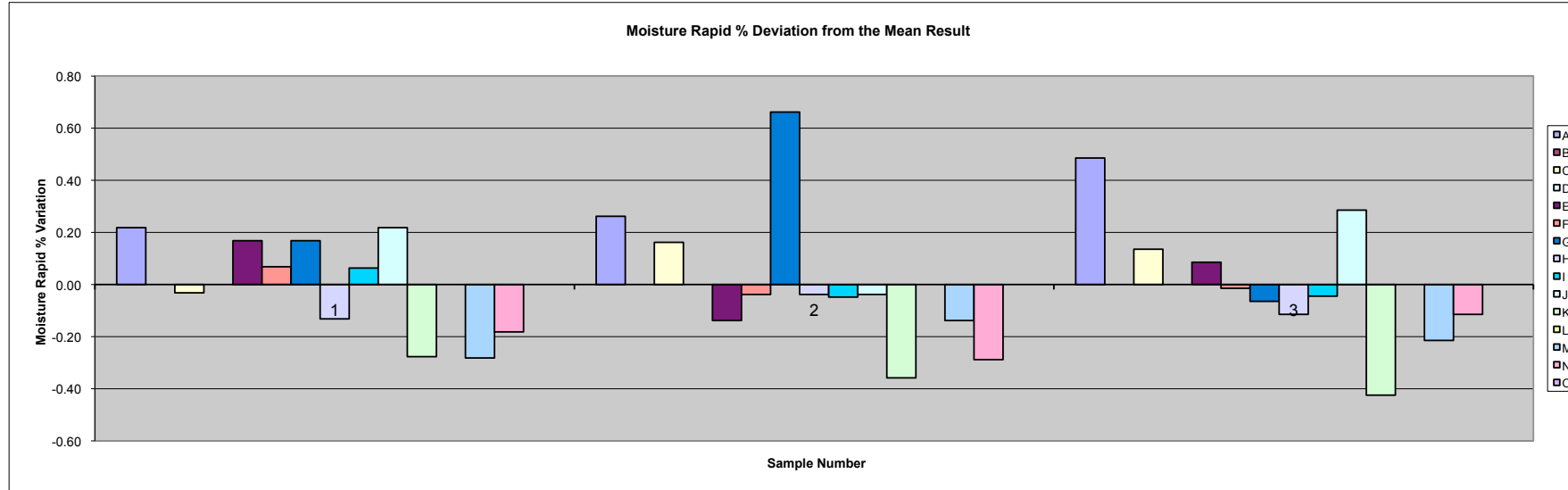
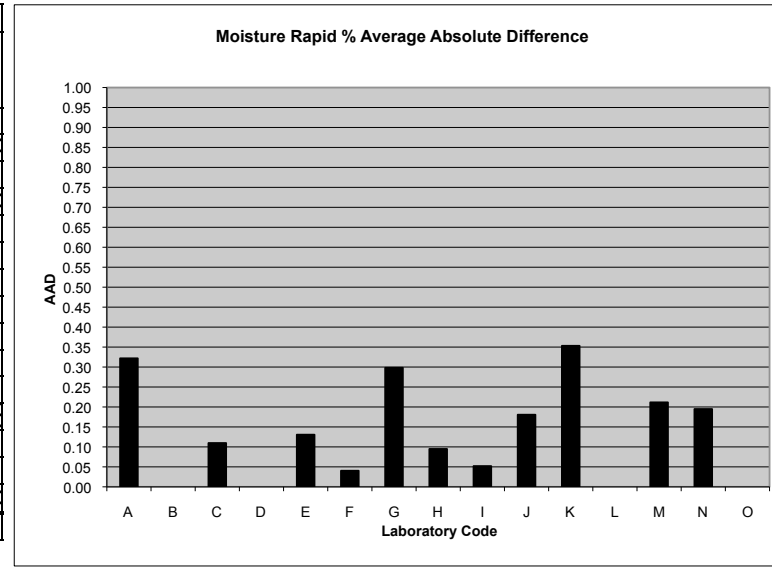
**2011 AOF Test Check Program
Round 11 Summary - November**

Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.73	0.28	5.68	-0.09	5.91	0.09	0.09	0.16
C	6.75	0.31	5.96	0.19	6.18	0.36	0.28	0.28
D	5.95	-0.49	5.90	0.13	5.75	-0.07	-0.14	0.23
E	6.65	0.21	5.62	-0.15	5.92	0.10	0.05	0.15
F	6.47	0.02	5.63	-0.14	5.88	0.06	-0.02	0.07
G	6.58	0.13	6.38	0.61	5.50	-0.32	0.14	0.35
H	6.65	0.21	5.75	-0.02	5.90	0.08	0.09	0.10
I	6.56	0.12	6.67	0.89	5.86	0.04	0.35	0.35
J	6.30	-0.14	5.56	-0.21	5.75	-0.07	-0.14	0.14
K	6.07	-0.38	5.27	-0.51	5.50	-0.32	-0.40	0.40
L								
M								
N	6.45	0.01	5.50	-0.27	5.80	-0.02	-0.09	0.10
O								
MEAN	6.44		5.77		5.82			0.20
STDEV	0.25		0.38		0.18			



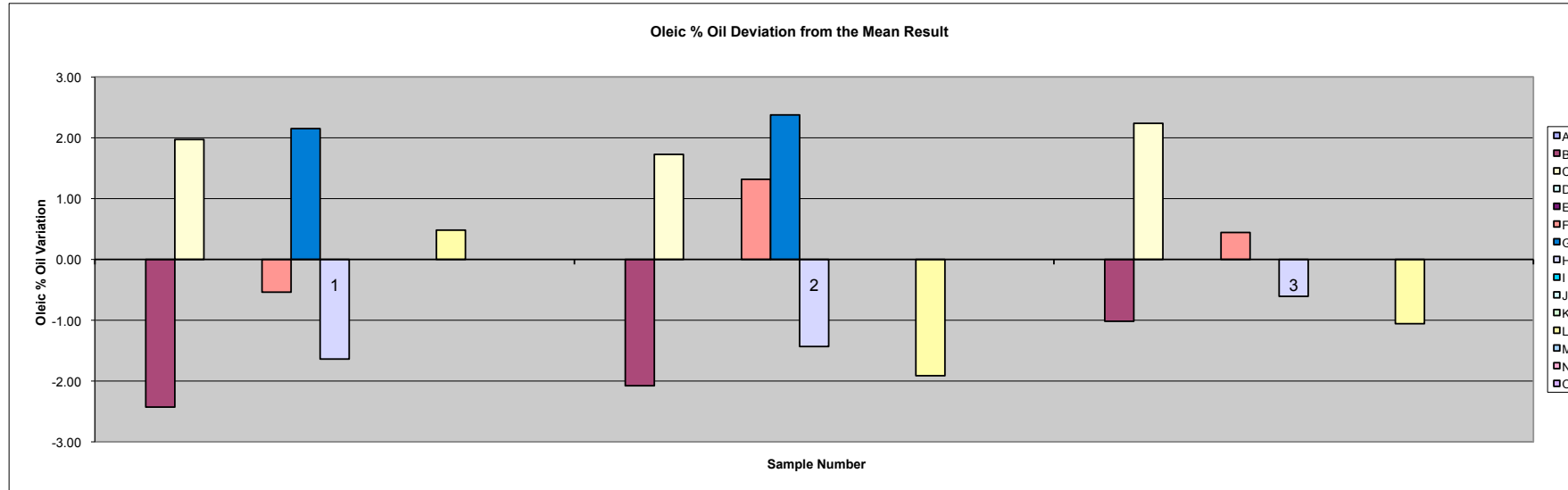
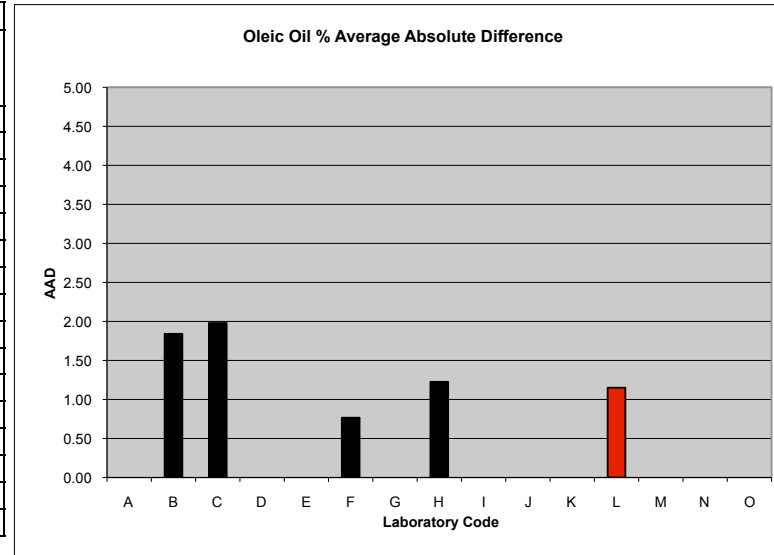
**2011 AOF Test Check Program
Round 11 Summary - November**

Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.75	0.22	6.00	0.26	6.30	0.49	0.32	0.32
B								
C	6.50	-0.03	5.90	0.16	5.95	0.14	0.09	0.11
D								
E	6.70	0.17	5.60	-0.14	5.90	0.09	0.04	0.13
F	6.60	0.07	5.70	-0.04	5.80	-0.01	0.01	0.04
G	6.70	0.17	6.40	0.66	5.75	-0.06	0.26	0.30
H	6.40	-0.13	5.70	-0.04	5.70	-0.11	-0.09	0.09
I	6.60	0.06	5.69	-0.05	5.77	-0.04	-0.01	0.05
J	6.75	0.22	5.70	-0.04	6.10	0.29	0.16	0.18
K	6.26	-0.28	5.38	-0.36	5.39	-0.42	-0.35	0.35
L								
M	6.25	-0.28	5.60	-0.14	5.60	-0.21	-0.21	0.21
N	6.35	-0.18	5.45	-0.29	5.70	-0.11	-0.19	0.19
O								
MEAN	6.53		5.74		5.81			0.18
STDEV	0.19		0.28		0.25			



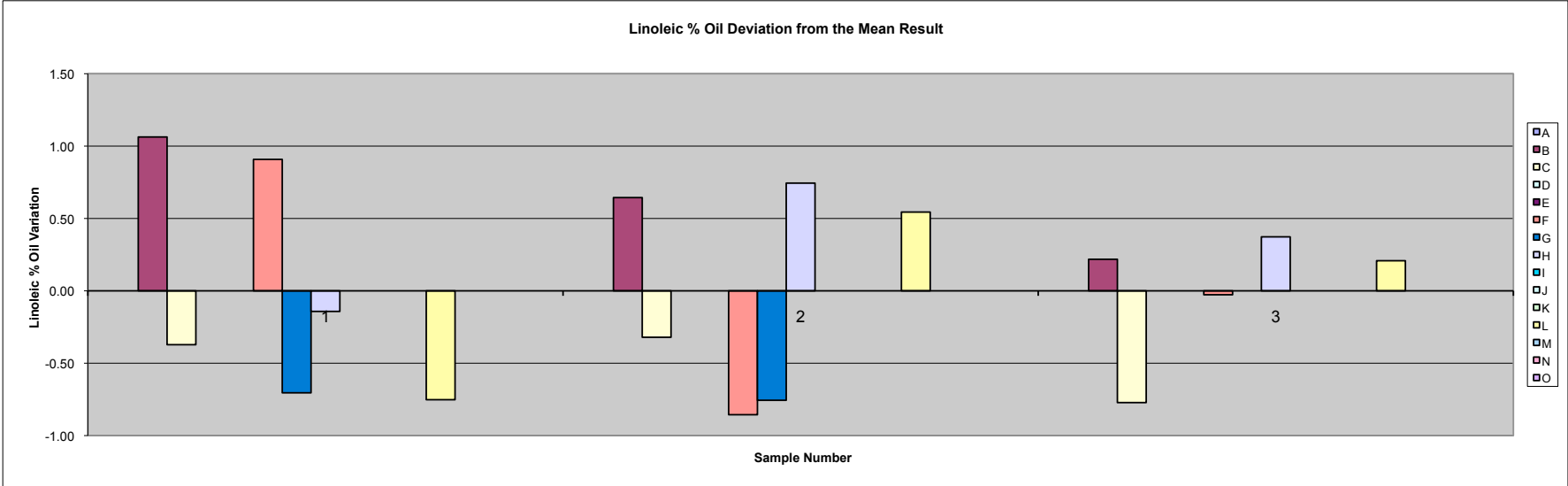
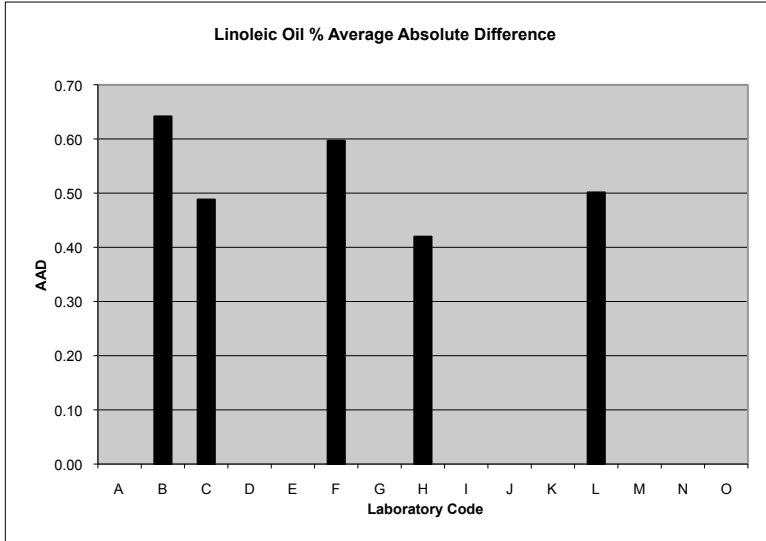
**2011 AOF Test Check Program
Round 11 Summary - November**

Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	61.71	-2.43	59.36	-2.08	61.69	-1.02	-1.84	1.84
C	66.11	1.97	63.16	1.73	64.95	2.24	1.98	1.98
D								
E								
F	63.60	-0.54	62.75	1.32	63.15	0.44	0.41	0.77
G	66.29	2.15	63.81	2.38				
H	62.50	-1.64	60.00	-1.43	62.10	-0.61	-1.23	1.23
I								
J								
K								
L	64.62	0.48	59.52	-1.91	61.65	-1.06	-0.83	1.15
M								
N								
O								
MEAN	64.14		61.43		62.71			1.39
STDEV	1.88		2.02		1.39			



**2011 AOF Test Check Program
Round 11 Summary - November**

Linoleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	19.36	1.06	20.70	0.64	19.40	0.22	0.64	0.64
C	17.92	-0.37	19.74	-0.32	18.41	-0.77	-0.49	0.49
D								
E								
F	19.20	0.91	19.20	-0.86	19.15	-0.03	0.01	0.60
G	17.59	-0.70	19.30	-0.76				
H	18.15	-0.14	20.80	0.74	19.55	0.37	0.33	0.42
I								
J								
K								
L	17.54	-0.75	20.60	0.54	19.39	0.21	0.00	0.50
M								
N								
O								
MEAN	18.29		20.06		19.18			0.53
STDEV	0.80		0.73		0.45			



**2011 AOF Test Check Program
Round 11 Summary - November**

Free Fatty Acid % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	0.33	-0.30	0.33	-0.31	0.20	-0.25	-0.29	0.29
C	0.28	-0.35	0.54	-0.11	0.47	0.02	-0.15	0.16
D	1.30	0.67	0.53	-0.11	0.46	0.01	0.19	0.26
E	1.01	0.38	1.39	0.75	0.88	0.43	0.52	0.52
F	1.20	0.57	1.14	0.50	0.91	0.46	0.51	0.51
G	0.45	-0.18	0.99	0.34				
H	0.32	-0.31	0.23	-0.41	0.16	-0.29	-0.34	0.34
I								
J								
K	0.36	-0.27	0.28	-0.37	0.28	-0.17	-0.27	0.27
L	0.43	-0.20	0.39	-0.26	0.25	-0.21	-0.22	0.22
M								
N								
O								
MEAN	0.63		0.64		0.45			0.32
STDEV	0.41		0.42		0.30			

