



2011 AOF Test Check Program
Monthly Report
Round 7
July 2011
01/07/2011 – 31/07/2011

Result Receiving Dates

Lab Code	Date
A	11/07/2011
B	29/07/2011
C	03/08/2011
D	29/07/2011
E	15/07/2011
F	20/07/2011
G	29/07/2011
H	29/07/2011
I	19/07/2011
J	29/07/2011
K	29/07/2011
L	-
M	01/08/2011
N	21/07/2011
O	-

Discussion of Results

Test Weight

No outliers were observed for Test Weight analyses during this round.

Impurities

Sample 1, Lab B and M both submitted results that were 0.37 and 0.30 higher than the True Outlier Q3 (2.90) respectively. Sample 3, Lab M is observed to be 0.08 higher than the True Outlier Q3 (2.77).

Oil Rapid

Lab A and D both submitted results that were 0.05 and 1.40 lower than the True Outlier Q1 (40.45) respectively for Sample 1. Lab D (34.67) came out 0.31 lower than the True Outlier Q1 (34.98) for Sample 2. Sample 3 True Outlier Q1 (38.57) and True Outlier Q3 (39.82), indicates Lab D and Lab H results to be 1.32 and 0.72 lower respectively and Lab F and Lab J results to be 0.53 and 0.24 higher respectively.



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Oil Solvent (ISO 659)

A general trend of Lab G results being 5.90, 3.13 and 5.63 lower than the True Outlier Q1 was observed across all 3 samples respectively while a general trend of Lab N results being 0.81 and 0.14 higher than the True Outlier Q3 was observed in Sample 1 and 3 respectively for this round.

Oil Solvent Reference (AOCS Method Am 2-93)

Outliers are observed for Sample 1 and 3. Lab G submitted results (38.95) for sample 1, and (34.48) for sample 3. Both results is observed to be 0.03 and 2.19 lower than the respective True Outlier Q1 for sample 1 (38.98) and sample 3 (36.67).

Moisture Oven

Sample 1 and 2 moisture oven results both had Lab D generating an outlier. In Sample 1, Lab D result (4.75) is 0.28 lower than the True Outlier Q1 of 5.03. Sample 2, Lab D result (4.80), is observed to be 0.38 lower than the True Outlier Q1 of 5.18. Lab H result (5.85) in sample 2 is observed to be 0.04 higher than the True Outlier Q3 of 5.81.

Moisture Rapid

No outliers were observed for Moisture Rapid analyses during this round.

Oleic Oil

Lab C submitted results were observed to be 0.69 and 0.03 higher than the Sample 2 and Sample 3 True Outlier Q3 of 62.99 and 64.93 respectively. Lab G result (60.68) is 0.01 lower than Sample 2 True Outlier Q1 of 60.69. Lab B result (60.46) is observed to be 0.27 lower than Sample 3 True Outlier Q3 of 60.73.

Linoleic Oil

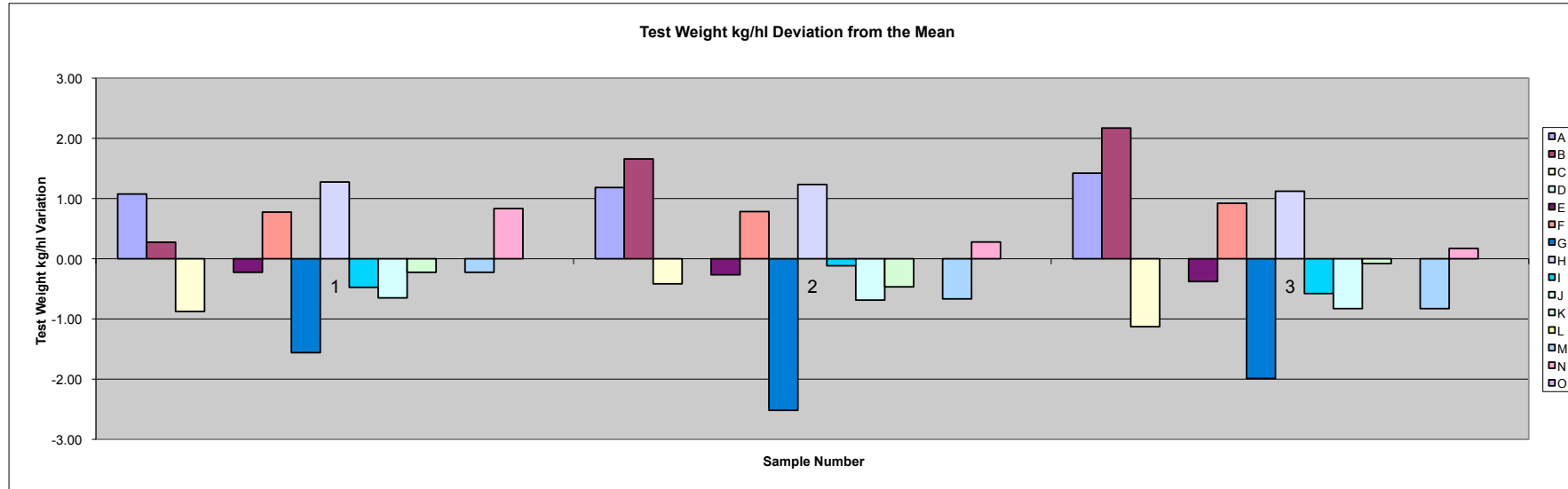
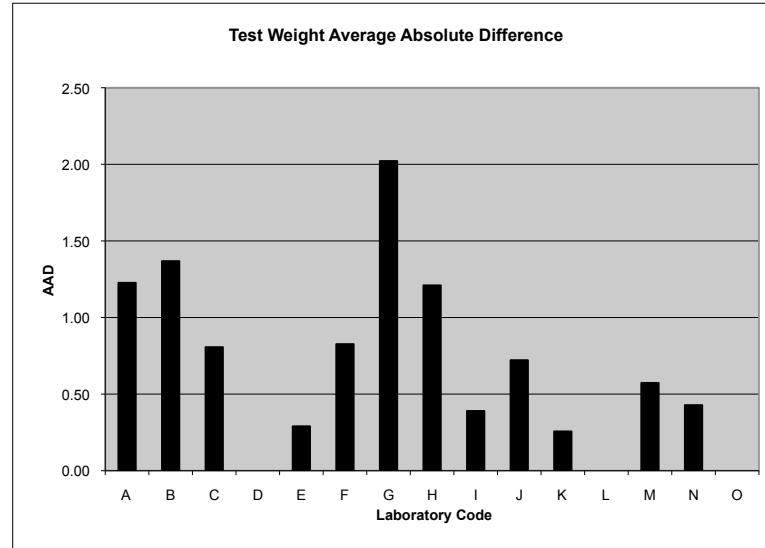
Sample 1, Lab G result of 17.05 is 2.88 lower than the True Outlier Q1 of 19.93. No other outliers were found in Sample 2 and 3.

Free Fatty Acid

Lab E, sample 1 result (0.66) is 0.01 higher than True Outlier Q3 (0.65). No other outliers were found in Sample 2 and 3.

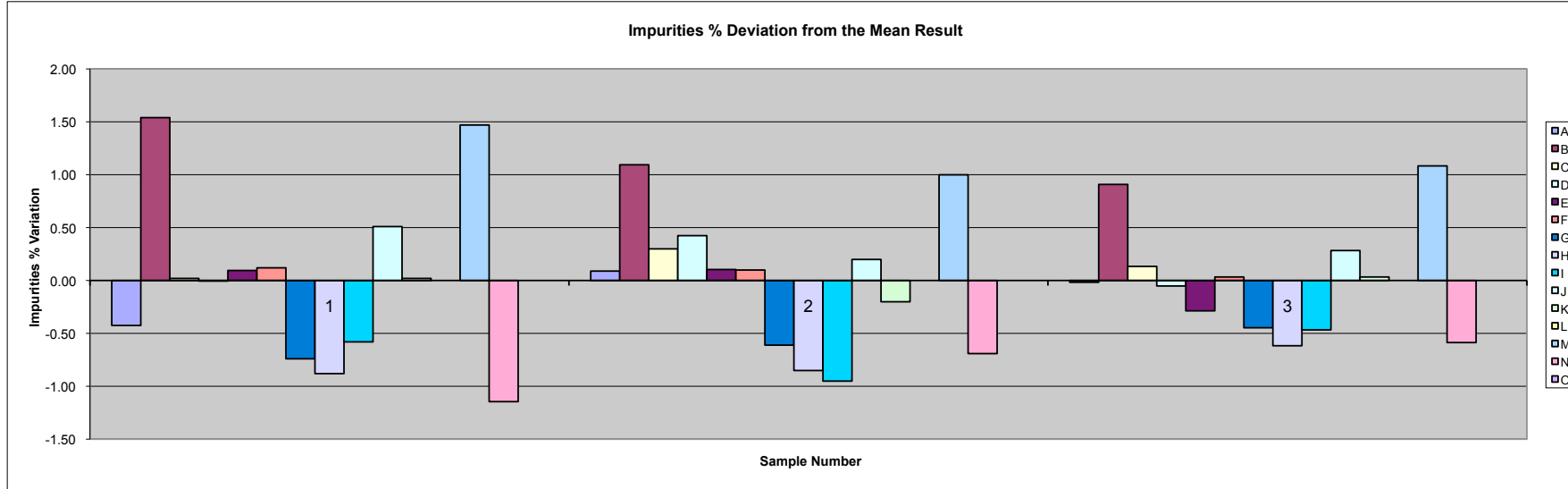
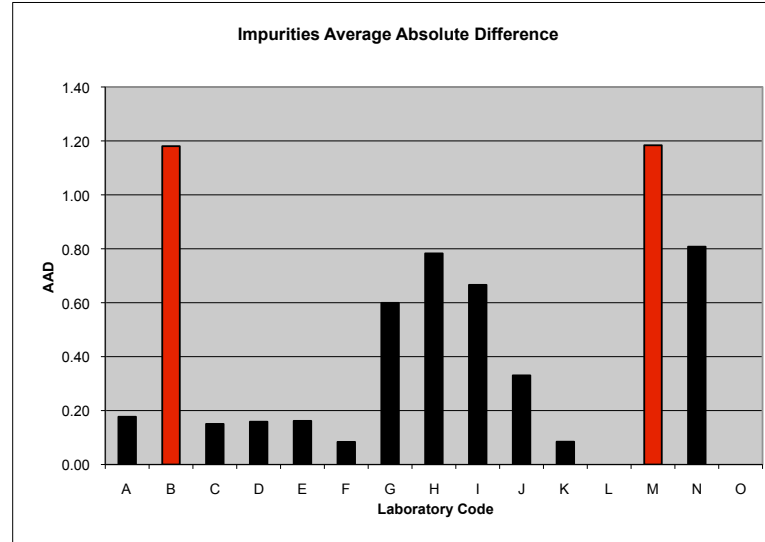
**2011 AOF Test Check Program
Round 7 Summary - July**

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	68.80	1.08	67.65	1.18	68.50	1.42	1.23	1.23
B	68.00	0.28	68.13	1.66	69.25	2.17	1.37	1.37
C	66.85	-0.87	66.05	-0.42	65.95	-1.13	-0.81	0.81
D								
E	67.50	-0.22	66.20	-0.27	66.70	-0.38	-0.29	0.29
F	68.50	0.78	67.25	0.78	68.00	0.92	0.83	0.83
G	66.17	-1.56	63.95	-2.52	65.09	-1.99	-2.02	2.02
H	69.00	1.28	67.70	1.23	68.20	1.12	1.21	1.21
I	67.25	-0.47	66.35	-0.12	66.50	-0.58	-0.39	0.39
J	67.08	-0.65	65.78	-0.69	66.25	-0.83	-0.72	0.72
K	67.50	-0.22	66.00	-0.47	67.00	-0.08	-0.26	0.26
L								
M	67.50	-0.22	65.80	-0.67	66.25	-0.83	-0.57	0.57
N	68.56	0.84	66.75	0.28	67.25	0.17	0.43	0.43
O								
MEAN	67.73		66.47		67.08			0.84
STDEV	0.86		1.13		1.20			



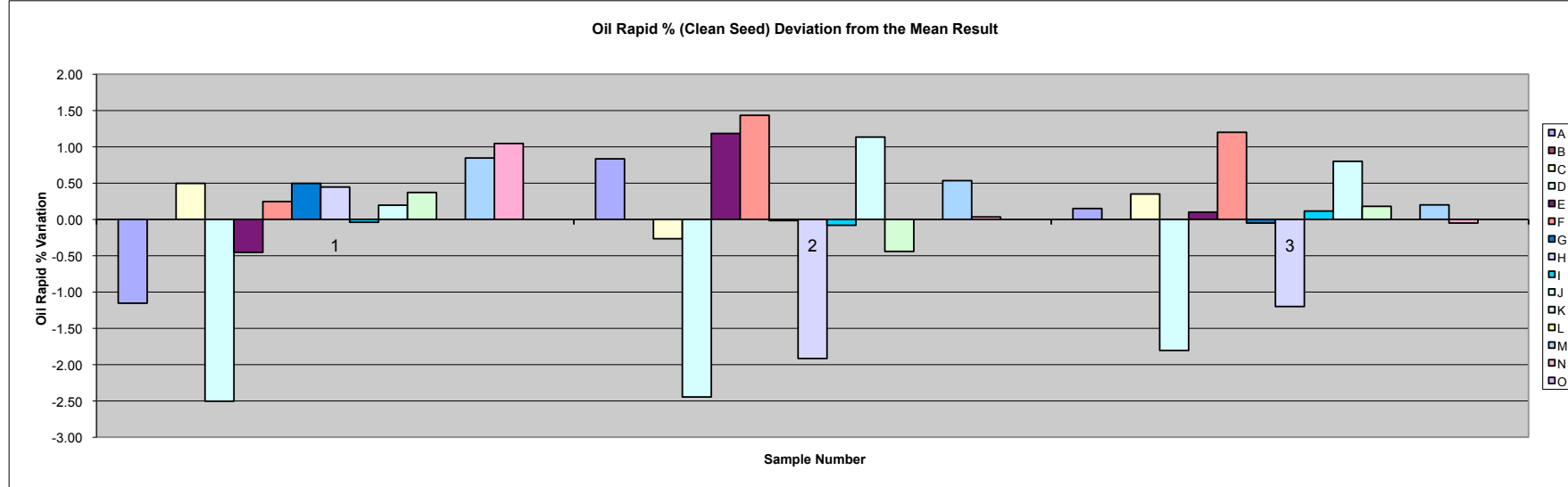
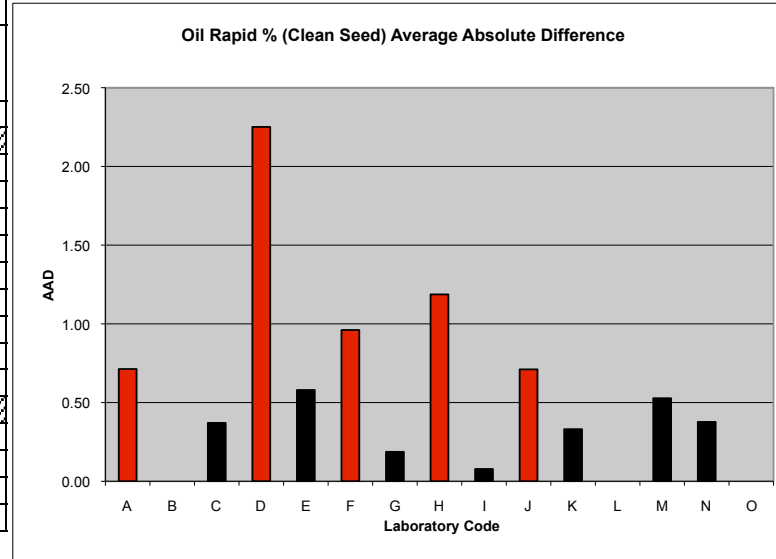
**2011 AOF Test Check Program
Round 7 Summary - July**

Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.31	-0.43	2.49	0.09	1.75	-0.02	-0.12	0.18
B	3.27	1.54	3.50	1.09	2.68	0.91	1.18	1.18
C	1.75	0.02	2.70	0.30	1.90	0.13	0.15	0.15
D	1.73	0.00	2.83	0.42	1.72	-0.05	0.12	0.16
E	1.83	0.09	2.51	0.10	1.48	-0.29	-0.03	0.16
F	1.85	0.12	2.50	0.10	1.80	0.03	0.08	0.08
G	0.99	-0.74	1.79	-0.61	1.32	-0.45	-0.60	0.60
H	0.85	-0.88	1.55	-0.85	1.15	-0.62	-0.78	0.78
I	1.15	-0.58	1.45	-0.95	1.30	-0.47	-0.67	0.67
J	2.24	0.51	2.60	0.20	2.05	0.28	0.33	0.33
K	1.75	0.02	2.20	-0.20	1.80	0.03	-0.05	0.08
L								
M	3.20	1.47	3.40	1.00	2.85	1.08	1.18	1.18
N	0.59	-1.15	1.71	-0.69	1.18	-0.59	-0.81	0.81
O								
MEAN	1.73		2.40		1.77			0.49
STDEV	0.81		0.65		0.53			



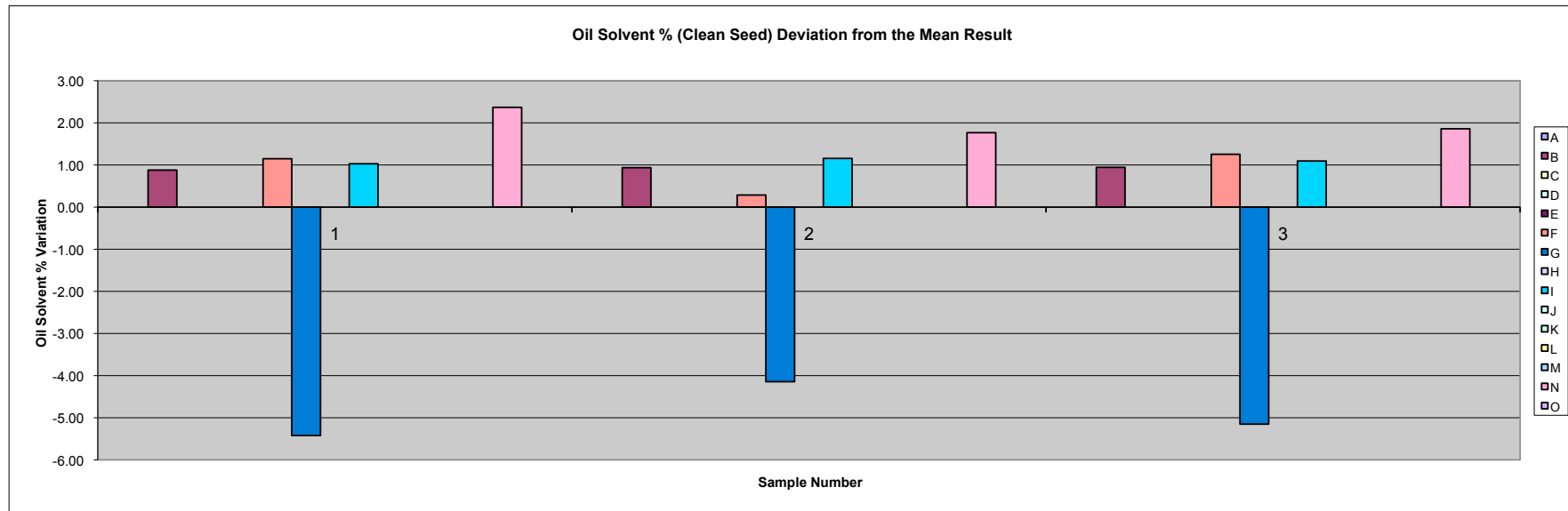
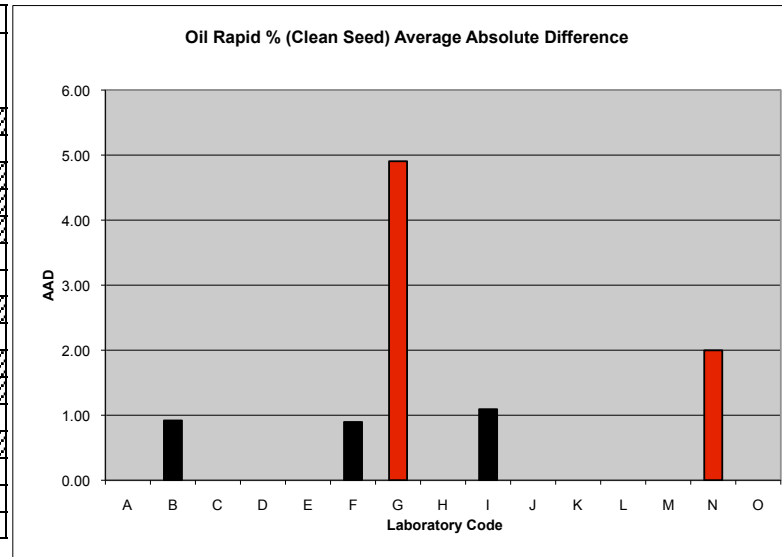
**2011 AOF Test Check Program
Round 7 Summary - July**

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	40.40	-1.15	37.95	0.84	39.20	0.15	-0.06	0.71
B								
C	42.05	0.50	36.85	-0.27	39.40	0.35	0.19	0.37
D	39.05	-2.50	34.67	-2.45	37.25	-1.80	-2.25	2.25
E	41.10	-0.45	38.30	1.19	39.15	0.10	0.28	0.58
F	41.80	0.25	38.55	1.44	40.25	1.20	0.96	0.96
G	42.05	0.50	37.10	-0.02	39.00	-0.05	0.14	0.19
H	42.00	0.45	35.20	-1.92	37.85	-1.20	-0.89	1.19
I	41.52	-0.04	37.04	-0.08	39.17	0.12	0.00	0.08
J	41.75	0.20	38.25	1.14	39.85	0.80	0.71	0.71
K	41.93	0.37	36.68	-0.44	39.23	0.18	0.04	0.33
L								
M	42.40	0.85	37.65	0.53	39.25	0.20	0.53	0.53
N	42.60	1.05	37.15	0.04	39.00	-0.05	0.34	0.38
O								
MEAN	41.55		37.12		39.05			0.69
STDEV	0.98		1.19		0.80			



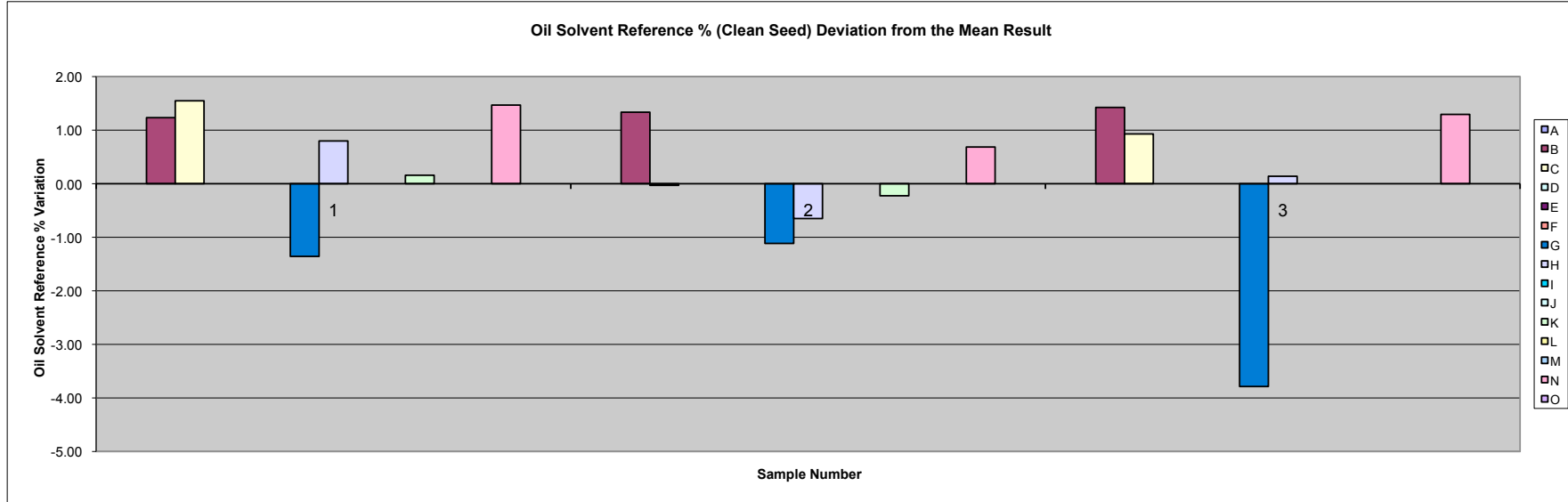
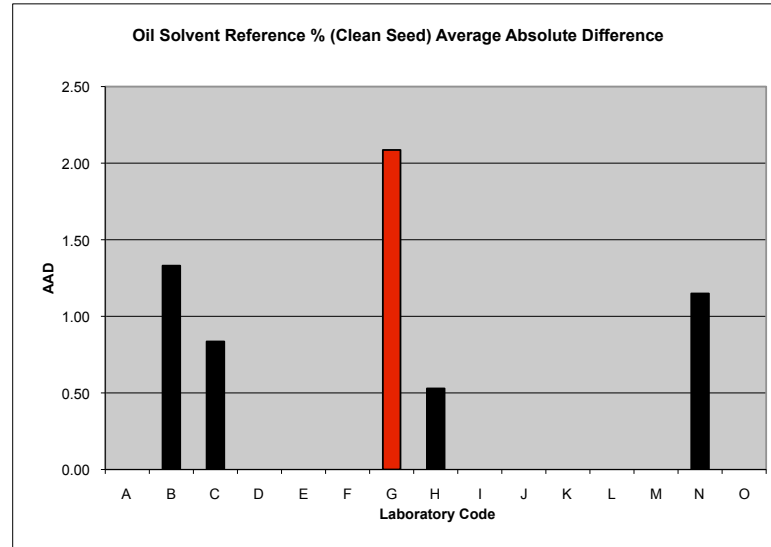
**2011 AOF Test Check Program
Round 7 Summary - July**

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	41.18	0.88	37.35	0.94	39.04	0.94	0.92	0.92
C								
D								
E								
F	41.45	1.15	36.70	0.29	39.35	1.25	0.90	0.90
G	34.88	-5.42	32.27	-4.14	32.95	-5.15	-4.91	4.91
H								
I	41.33	1.03	37.57	1.16	39.19	1.09	1.09	1.09
J								
K								
L								
M								
N	42.67	2.37	38.18	1.77	39.96	1.86	2.00	2.00
O								
MEAN	40.30		36.41		38.10			1.96
STDEV	3.09		2.38		2.90			



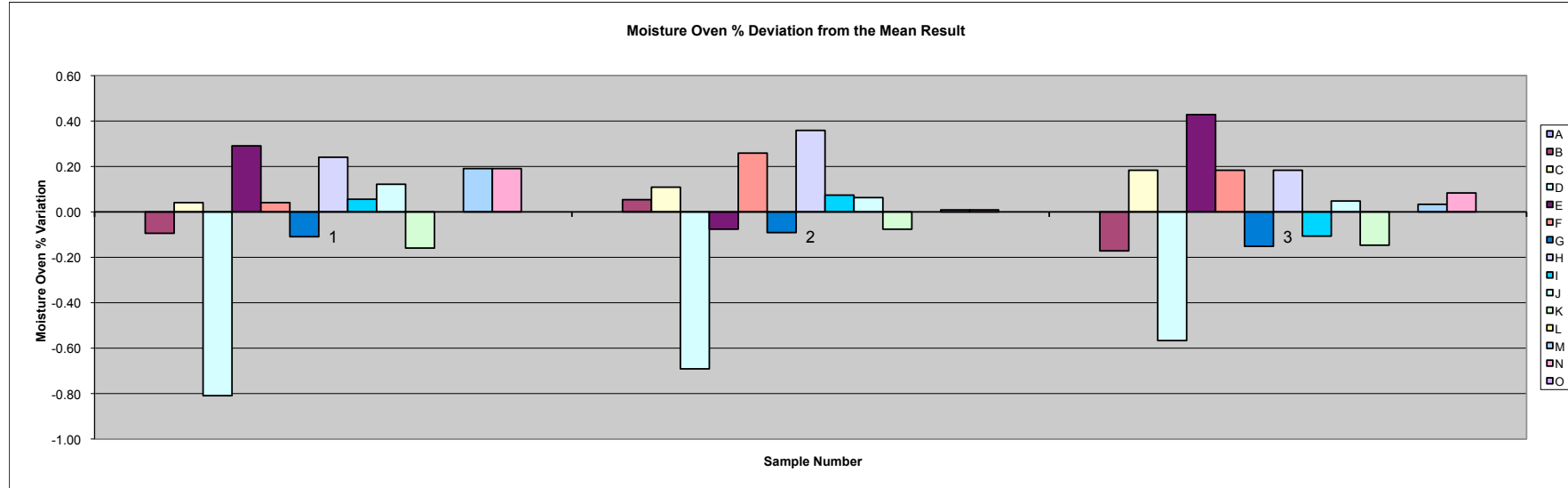
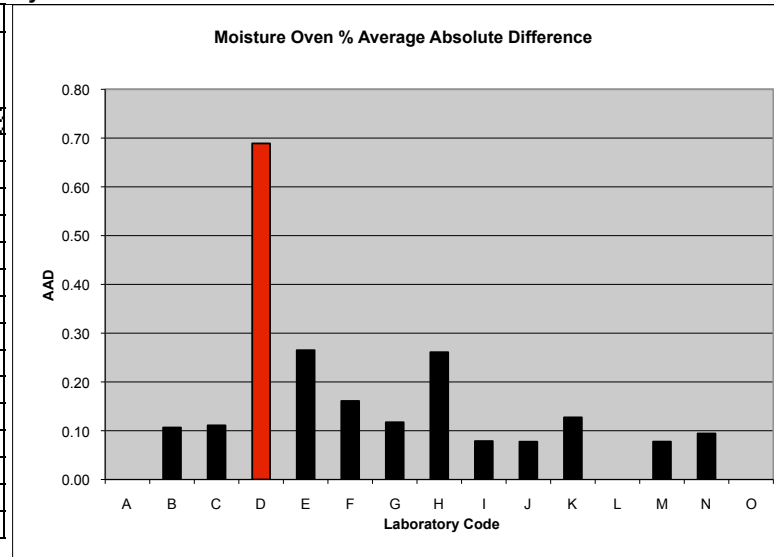
**2011 AOF Test Check Program
Round 7 Summary - July**

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	41.54	1.23	37.84	1.33	39.69	1.42	1.33	1.33
C	41.85	1.55	36.47	-0.03	39.19	0.93	0.82	0.84
D								
E								
F								
G	38.95	-1.36	35.39	-1.12	34.48	-3.79	-2.09	2.09
H	41.10	0.80	35.85	-0.65	38.40	0.14	0.10	0.53
I								
J								
K	40.46	0.16	36.28	-0.23				
L								
M								
N	41.77	1.47	37.19	0.68	39.56	1.29	1.15	1.15
O								
MEAN	40.94		36.50		38.26			1.19
STDEV	1.11		0.89		2.17			



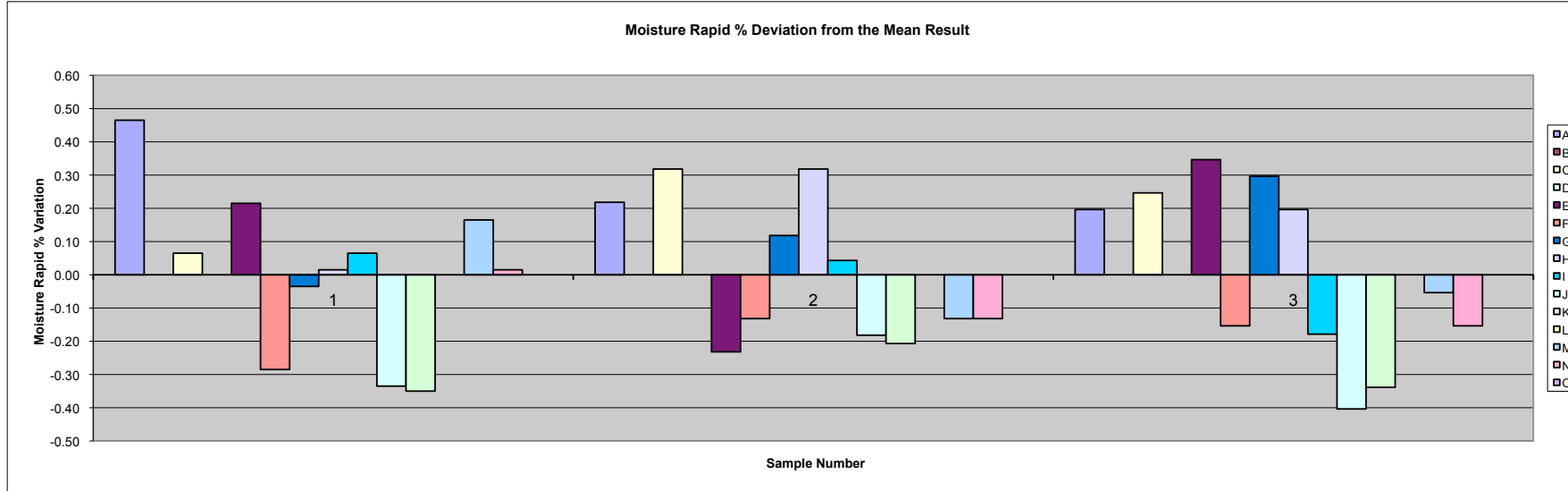
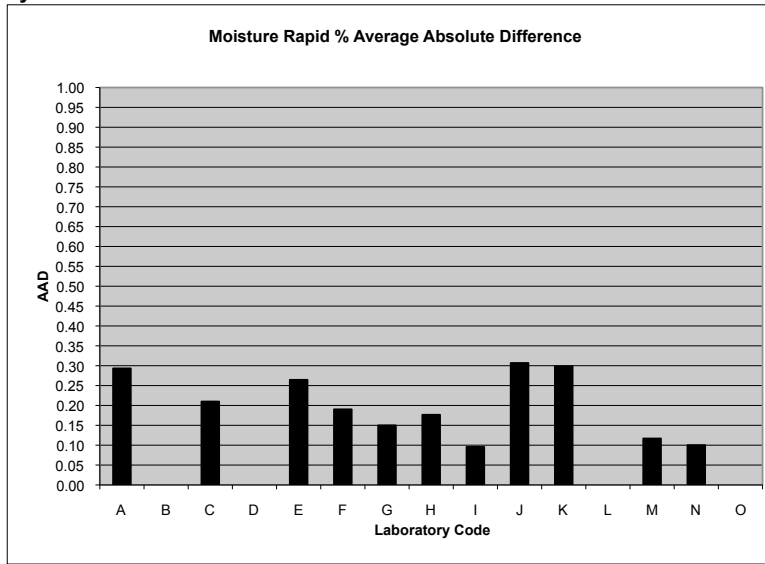
**2011 AOF Test Check Program
Round 7 Summary - July**

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	5.47	-0.09	5.55	0.05	5.30	-0.17	-0.07	0.11
C	5.60	0.04	5.60	0.11	5.65	0.18	0.11	0.11
D	4.75	-0.81	4.80	-0.69	4.90	-0.57	-0.69	0.69
E	5.85	0.29	5.42	-0.08	5.90	0.43	0.21	0.27
F	5.60	0.04	5.75	0.26	5.65	0.18	0.16	0.16
G	5.45	-0.11	5.40	-0.09	5.32	-0.15	-0.12	0.12
H	5.80	0.24	5.85	0.36	5.65	0.18	0.26	0.26
I	5.62	0.06	5.57	0.07	5.36	-0.11	0.01	0.08
J	5.68	0.12	5.55	0.06	5.51	0.05	0.08	0.08
K	5.40	-0.16	5.42	-0.08	5.32	-0.15	-0.13	0.13
L								
M	5.75	0.19	5.50	0.01	5.50	0.03	0.08	0.08
N	5.75	0.19	5.50	0.01	5.55	0.08	0.09	0.09
O								
MEAN	5.56		5.49		5.47			0.18
STDEV	0.29		0.26		0.25			



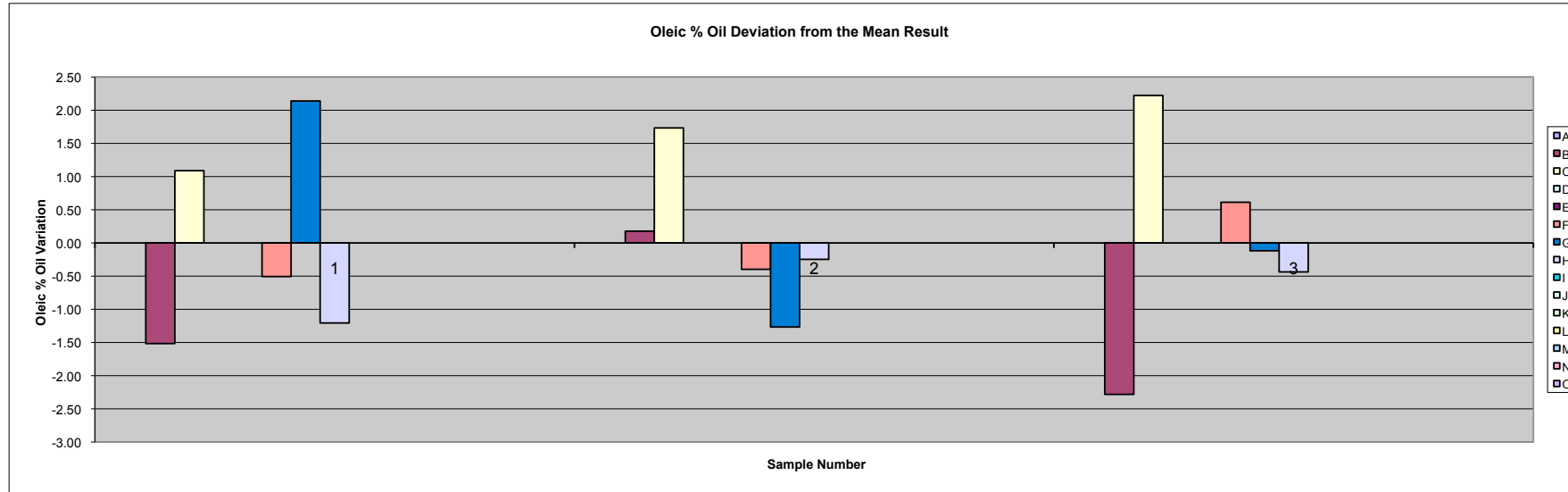
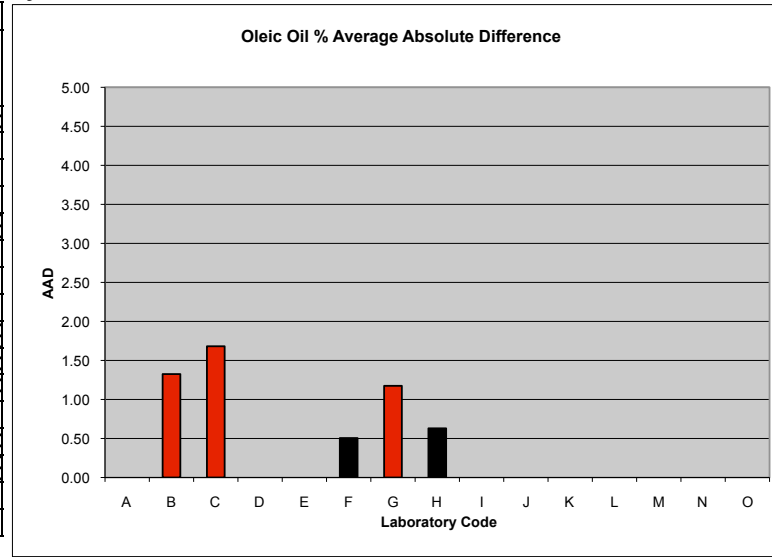
**2011 AOF Test Check Program
Round 7 Summary - July**

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	6.00	0.47	5.80	0.22	5.80	0.20	0.29	0.29
B								
C	5.60	0.06	5.90	0.32	5.85	0.25	0.21	0.21
D								
E	5.75	0.22	5.35	-0.23	5.95	0.35	0.11	0.26
F	5.25	-0.29	5.45	-0.13	5.45	-0.15	-0.19	0.19
G	5.50	-0.04	5.70	0.12	5.90	0.30	0.13	0.15
H	5.55	0.01	5.90	0.32	5.80	0.20	0.18	0.18
I	5.60	0.06	5.63	0.04	5.43	-0.18	-0.02	0.10
J	5.20	-0.34	5.40	-0.18	5.20	-0.40	-0.31	0.31
K	5.19	-0.35	5.38	-0.21	5.27	-0.34	-0.30	0.30
L								
M	5.70	0.16	5.45	-0.13	5.55	-0.05	-0.01	0.12
N	5.55	0.01	5.45	-0.13	5.45	-0.15	-0.09	0.10
O								
MEAN	5.54		5.58		5.60			0.20
STDEV	0.25		0.21		0.27			



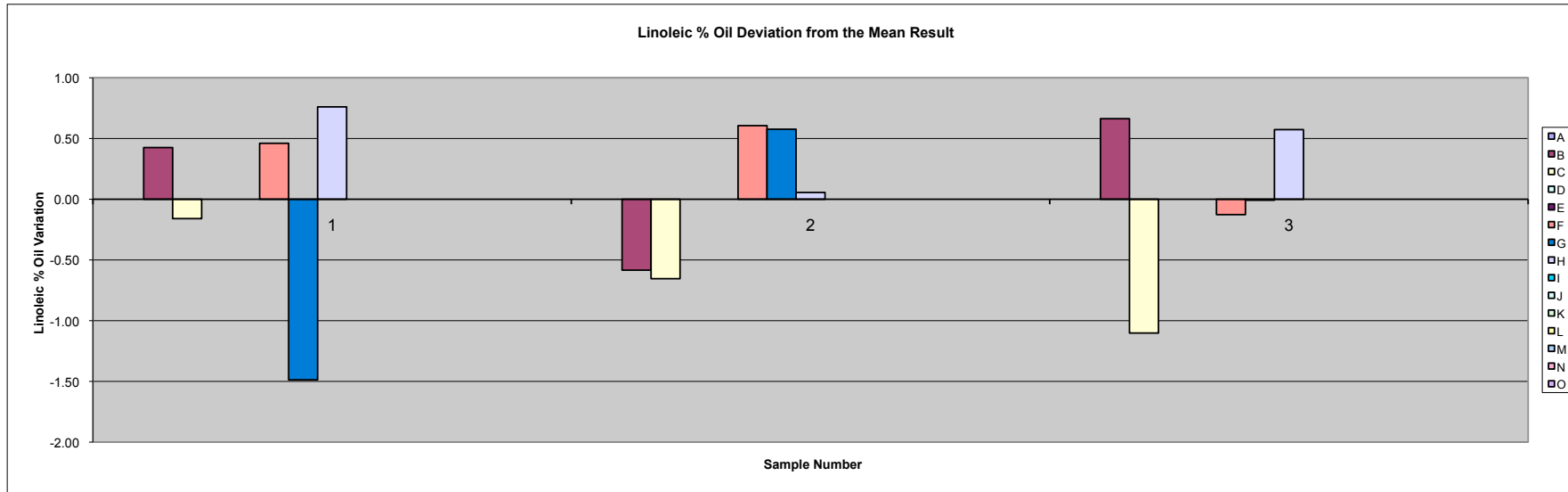
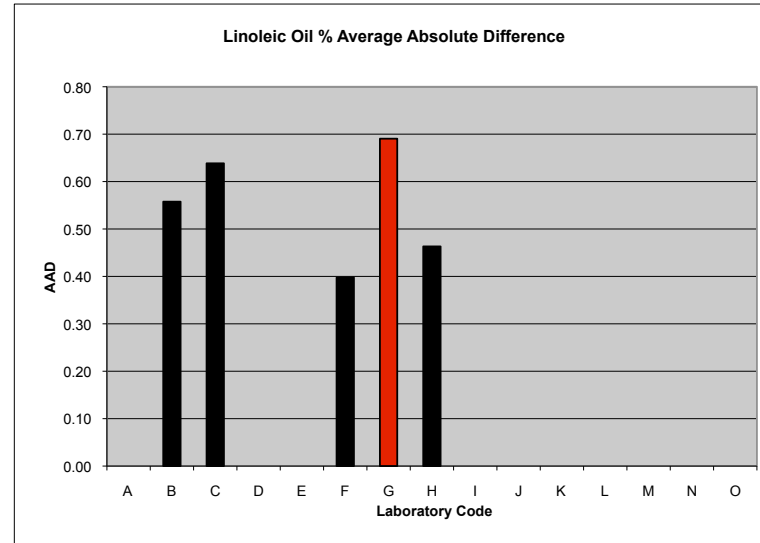
**2011 AOF Test Check Program
Round 7 Summary - July**

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	62.54	-1.52	62.13	0.18	60.46	-2.28	-1.21	1.33
C	65.15	1.09	63.68	1.73	64.96	2.22	1.68	1.68
D								
E								
F	63.55	-0.51	61.55	-0.40	63.35	0.61	-0.10	0.51
G	66.20	2.14	60.68	-1.27	62.62	-0.12	0.25	1.17
H	62.85	-1.21	61.70	-0.25	62.30	-0.44	-0.63	0.63
I								
J								
K								
L								
M								
N								
O								
MEAN	64.06		61.95		62.74			1.06
STDEV	1.56		1.10		1.64			



**2011 AOF Test Check Program
Round 7 Summary - July**

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	18.97	0.43	19.26	-0.58	20.24	0.66	0.17	0.56
C	18.38	-0.16	19.19	-0.65	18.48	-1.10	-0.64	0.64
D								
E								
F	19.00	0.46	20.45	0.61	19.45	-0.13	0.31	0.40
G	17.05	-1.49	20.42	0.58	19.57	-0.01	-0.31	0.69
H	19.30	0.76	19.90	0.06	20.15	0.57	0.46	0.46
I								
J								
K								
L								
M								
N								
O								
MEAN	18.54		19.84		19.58			0.55
STDEV	0.90		0.61		0.71			



**2011 AOF Test Check Program
Round 7 Summary - July**

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	0.19	-0.13	0.22	-0.17	0.34	-0.20	-0.17	0.17
C	0.24	-0.07	0.29	-0.11	0.33	-0.20	-0.13	0.13
D								
E	0.66	0.35	0.66	0.27	1.00	0.46	0.36	0.36
F	0.40	0.09	0.60	0.21	0.70	0.17	0.15	0.15
G	0.35	0.04	0.58	0.18	0.69	0.16	0.13	0.13
H	0.16	-0.15	0.18	-0.21	0.31	-0.23	-0.20	0.20
I								
J								
K	0.20	-0.12	0.22	-0.17	0.38	-0.15	-0.15	0.15
L								
M								
N								
O								
MEAN	0.31		0.39		0.53			0.18
STDEV	0.18		0.21		0.27			

