



**2011 AOF Test Check Program
Monthly Report
Round 3
March 2011**

01/03/2011 – 31/03/2011

Result Reveal Dates

Lab Code	Date
A	15/03/2011
B	25/03/2011
C	12/04/2011
D	31/03/2011
E	05/04/2011
F	28/03/2011
G	31/03/2011
H	31/03/2011
I	10/03/2011
J	29/03/2011
K	31/03/2011
L	-
M	30/03/2011
N	29/03/2011
O	28/03/2011

Discussion of Results

Test Weight

No outlier was detected for test weight this round.

Impurities

Outliers detected for this test were found in sample 2 and sample 3. For sample 2, Lab H and Lab I both generated results of 0.13 and 0.08 below the True Outlier Q1 of 0.98 whereas Lab N result of 2.00 produce a 0.02 higher result from the True Outlier Q3 of 1.98. In sample 3 case, Lab F result fell 0.30 below the True Outlier Q1 of 0.75.

Oil Rapid

Sample 1 True Outlier Q3 of 41.43 saw both Lab C and Lab O generate a result that was 0.72 and 0.02 higher than the True Outlier Q3 respectively. However in Sample 3 case, Lab O had a contrary result whereby they generated a result of 43.90 that was 1.00 below the True Outlier Q1 of 44.9



2011 AOF Test Check Program
Monthly Report
Round 3
March 2011
01/03/2011 – 31/03/2011

Oil Solvent (ISO 659)

Lab G was the only laboratory which produced a general trend of their result being below the True Outlier Q1 for Sample 2 and 3. In Sample 2, a result of 42.56 fell 0.76 below the True Outlier Q1 of 43.32 whereas in Sample 3, the result of 41.91 was 0.42 below the True Outlier Q1 of 42.33

Oil Solvent Reference (AOCS Method Am 2-93)

Lab G was the only lab to submit a result 0.91 higher than the True Outlier Q3 of 42.74 for Sample 1. For Sample 2, Lab H submitted a result that was only minutely 0.04 below the True Outlier Q1 of 43.99.

Moisture Oven

Lab D result of 4.70 for Sample 3 recorded a difference of 0.21 below the True Outlier Q1 of 4.91. The mean of this sample came out at 5.72 with a standard deviation of 0.43

Moisture Rapid

Sample 1 True Outlier Q1 and Q3 were 8.84 and 9.34 respectively. Lab N produced a result of 8.80, a result that is 0.04 below the True Outlier Q1 whereas Lab F result of 9.80 saw the lab produced a result that is 0.46 above the True Outlier Q3. A similar case was shown in sample 2 for Lab F, only this time a minute difference of 0.03 higher from the True Outlier Q3 of 8.72 was indicated.

Oleic Oil

Lab B result of 56.55 for sample 3, recorded -5.42 above the True Outlier Q3 of 69.89. The mean of this sample came out at 64.95 with a standard deviation of 3.86

Linoleic Oil

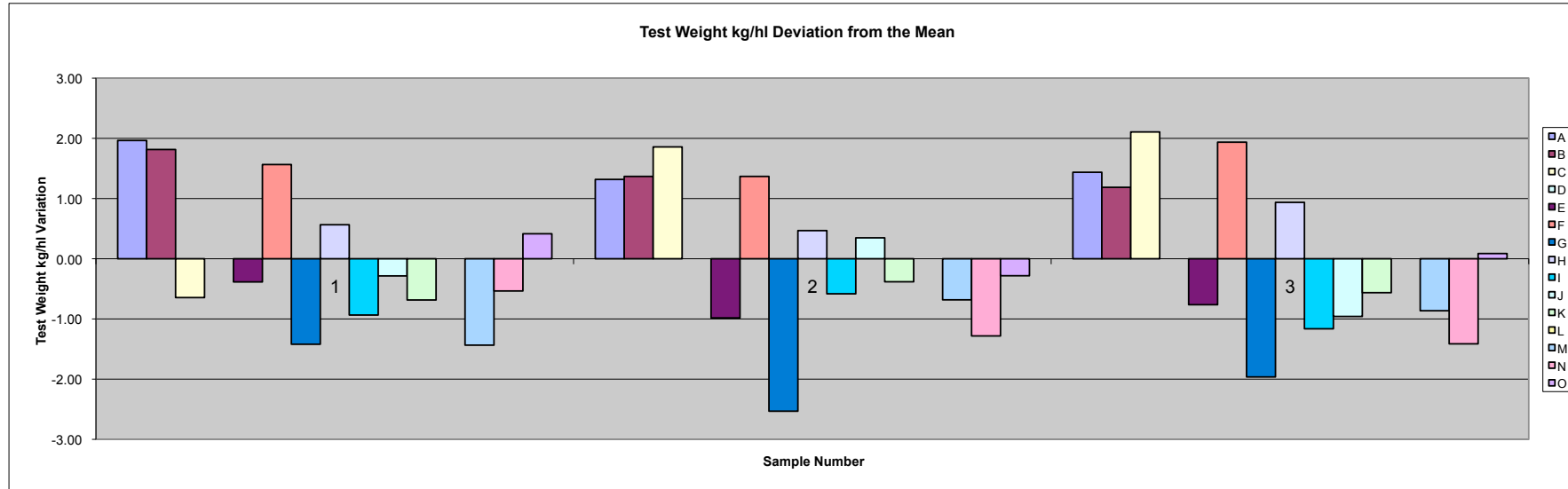
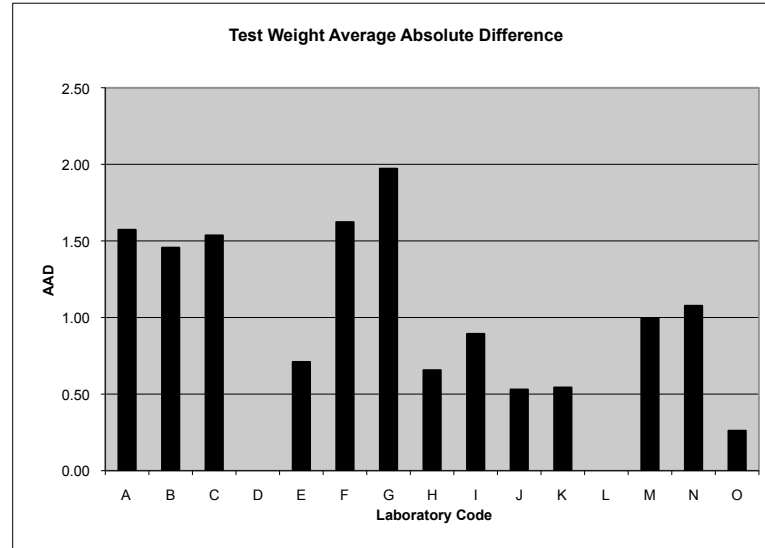
For Sample 1 Linoleic Oil result, Lab B result of 17.85 came out 2.44 lower than the True Outlier Q1 of 20.29 whereas Lab H result of 23.40 fell 1.79 higher the True Outlier Q3 of 21.61

Free Fatty Acid

No outliers were generated for Free Fatty Acid this round.

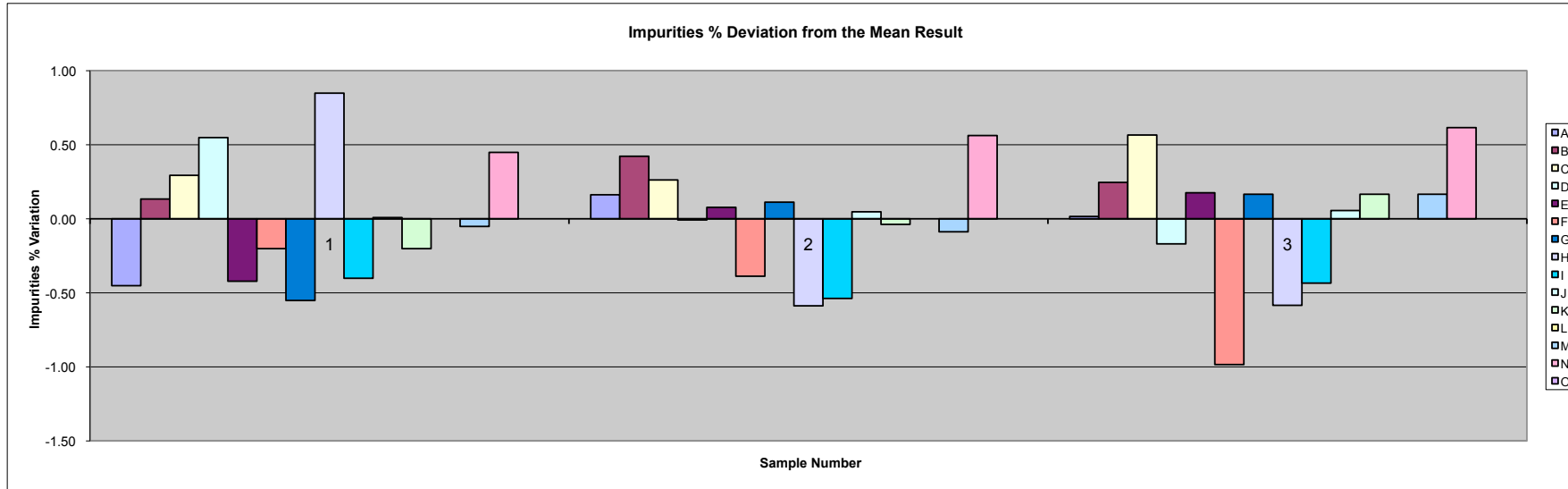
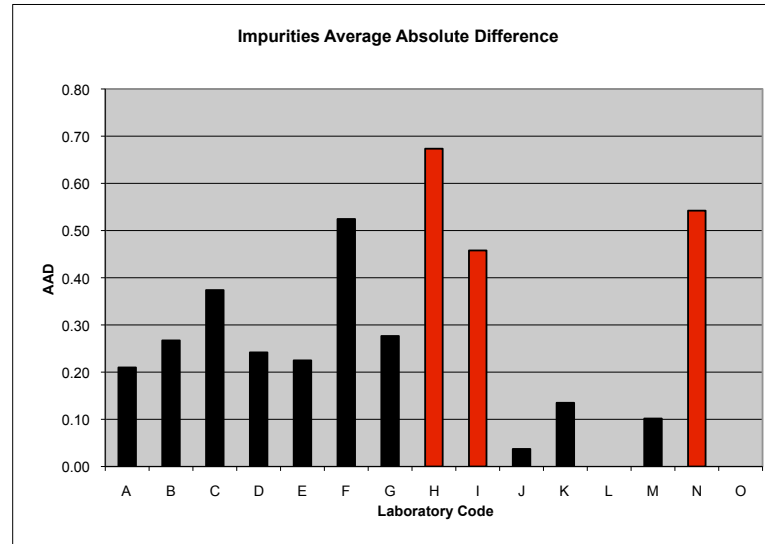
**2011 AOF Test Check Program
Round 3 Summary - March**

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	68.65	1.97	65.70	1.32	66.50	1.44	1.57	1.57
B	68.50	1.82	65.75	1.37	66.25	1.19	1.46	1.46
C	66.04	-0.65	66.24	1.86	67.17	2.11	1.11	1.54
D								
E	66.30	-0.38	63.40	-0.98	64.30	-0.76	-0.71	0.71
F	68.25	1.57	65.75	1.37	67.00	1.94	1.62	1.62
G	65.27	-1.42	61.85	-2.53	63.10	-1.96	-1.97	1.97
H	67.25	0.56	64.85	0.47	66.00	0.94	0.66	0.66
I	65.75	-0.94	63.80	-0.58	63.90	-1.16	-0.89	0.89
J	66.40	-0.28	64.73	0.35	64.11	-0.96	-0.30	0.53
K	66.00	-0.69	64.00	-0.38	64.50	-0.56	-0.54	0.54
L								
M	65.25	-1.44	63.70	-0.68	64.20	-0.86	-0.99	0.99
N	66.15	-0.53	63.10	-1.28	63.65	-1.41	-1.08	1.08
O	67.10	0.41	64.10	-0.28	65.15	0.09	0.07	0.26
MEAN	66.69		64.38		65.06			1.06
STDEV	1.17		1.27		1.36			



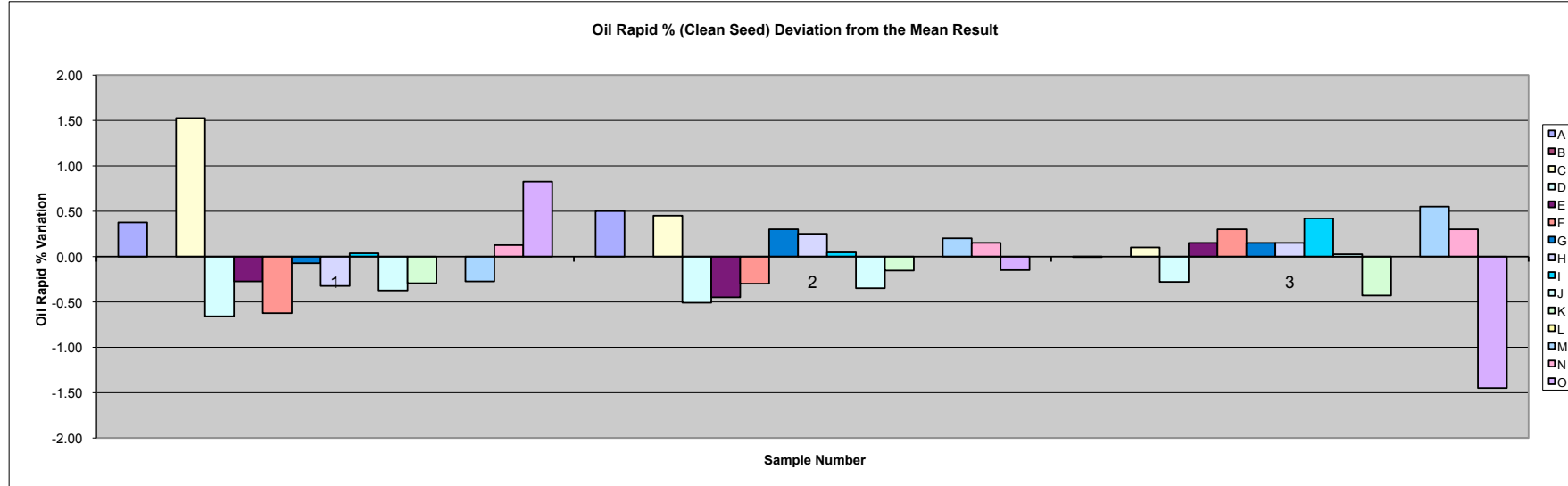
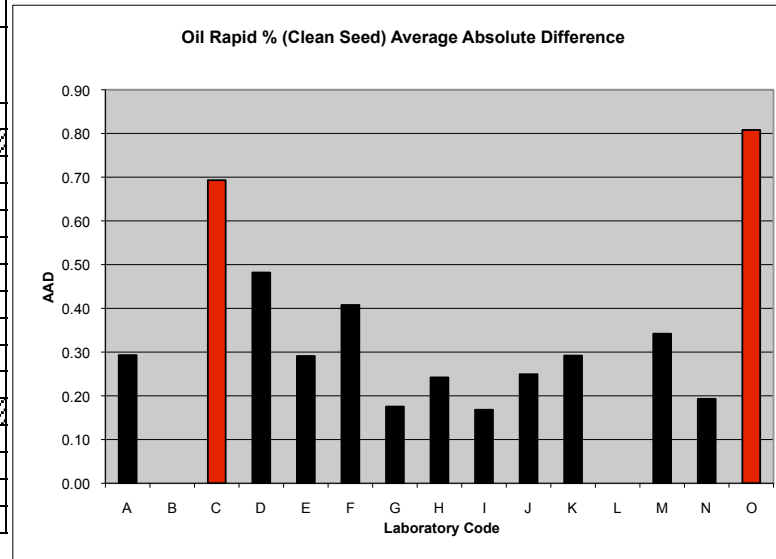
**2011 AOF Test Check Program
Round 3 Summary - March**

Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.75	-0.45	1.60	0.16	1.45	0.02	-0.09	0.21
B	2.34	0.13	1.86	0.42	1.68	0.25	0.27	0.27
C	2.50	0.29	1.70	0.26	2.00	0.57	0.37	0.37
D	2.75	0.55	1.43	-0.01	1.27	-0.17	0.12	0.24
E	1.78	-0.42	1.52	0.08	1.61	0.18	-0.06	0.22
F	2.00	-0.20	1.05	-0.39	0.45	-0.98	-0.52	0.52
G	1.65	-0.55	1.55	0.11	1.60	0.17	-0.09	0.28
H	3.05	0.85	0.85	-0.59	0.85	-0.58	-0.11	0.67
I	1.80	-0.40	0.90	-0.54	1.00	-0.43	-0.46	0.46
J	2.21	0.01	1.49	0.05	1.49	0.06	0.04	0.04
K	2.00	-0.20	1.40	-0.04	1.60	0.17	-0.02	0.14
L								
M	2.15	-0.05	1.35	-0.09	1.60	0.17	0.01	0.10
N	2.65	0.45	2.00	0.56	2.05	0.62	0.54	0.54
O								
MEAN	2.20		1.44		1.43			0.31
STDEV	0.43		0.34		0.45			



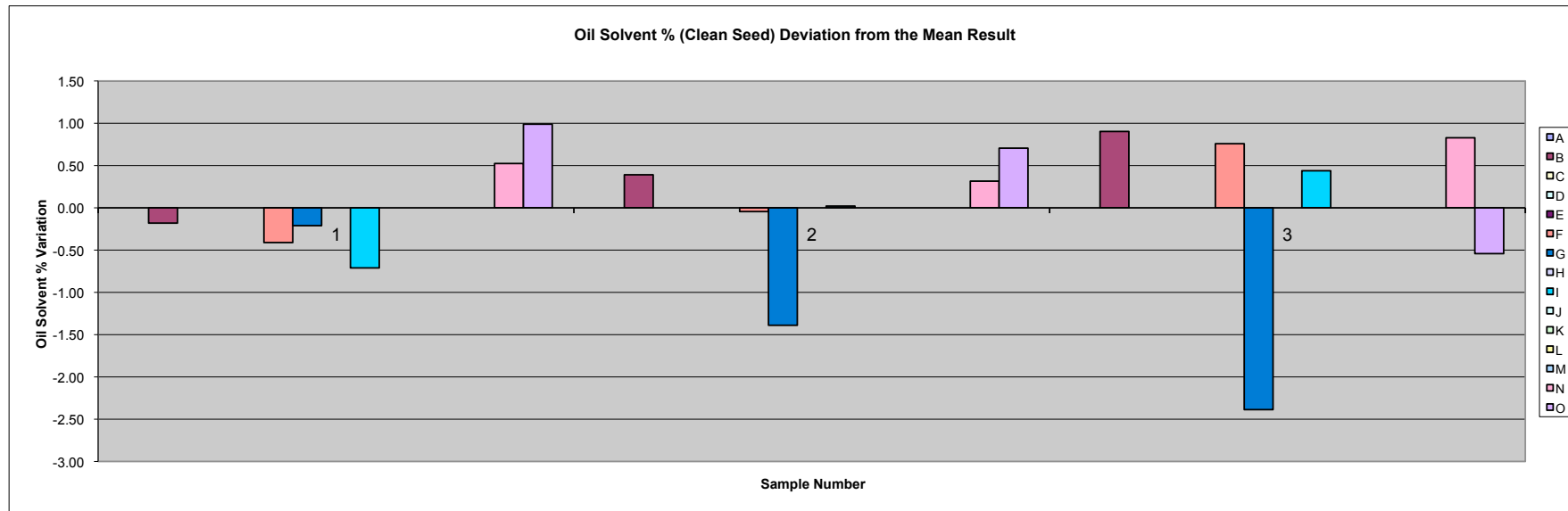
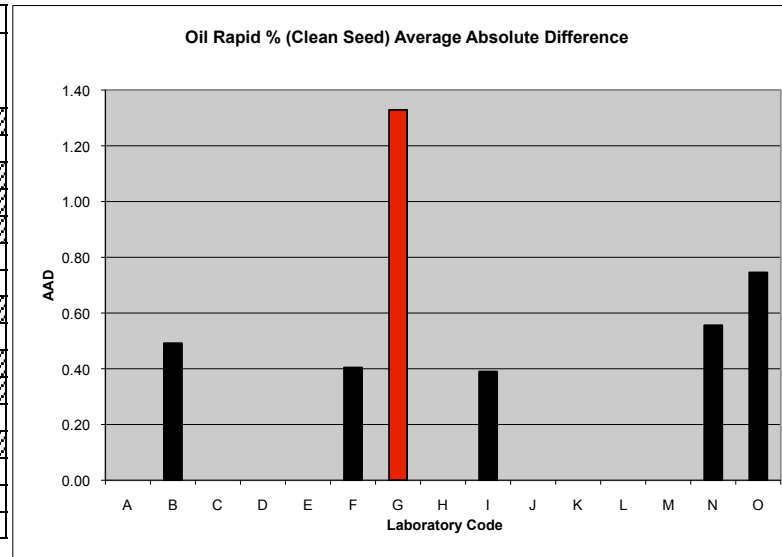
**2011 AOF Test Check Program
Round 3 Summary - March**

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	41.00	0.38	44.70	0.50	45.35	0.00	0.29	0.29
B								
C	42.15	1.53	44.65	0.45	45.45	0.10	0.69	0.69
D	39.97	-0.66	43.69	-0.51	45.07	-0.28	-0.48	0.48
E	40.35	-0.27	43.75	-0.45	45.50	0.15	-0.19	0.29
F	40.00	-0.62	43.90	-0.30	45.65	0.30	-0.21	0.41
G	40.55	-0.07	44.50	0.30	45.50	0.15	0.13	0.18
H	40.30	-0.32	44.45	0.25	45.50	0.15	0.03	0.24
I	40.66	0.04	44.25	0.05	45.77	0.42	0.17	0.17
J	40.25	-0.37	43.85	-0.35	45.38	0.03	-0.23	0.25
K	40.33	-0.29	44.05	-0.15	44.92	-0.43	-0.29	0.29
L								
M	40.35	-0.27	44.40	0.20	45.90	0.55	0.16	0.34
N	40.75	0.13	44.35	0.15	45.65	0.30	0.19	0.19
O	41.45	0.83	44.05	-0.15	43.90	-1.45	-0.26	0.81
MEAN	40.62		44.20		45.35			0.36
STDEV	0.61		0.34		0.51			



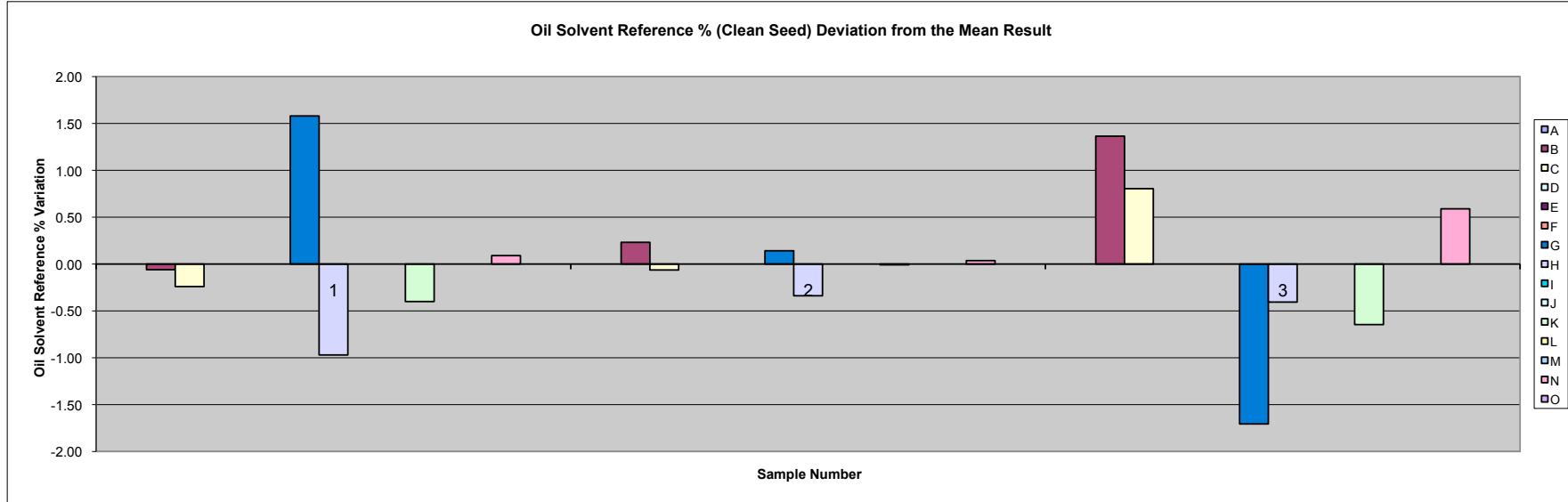
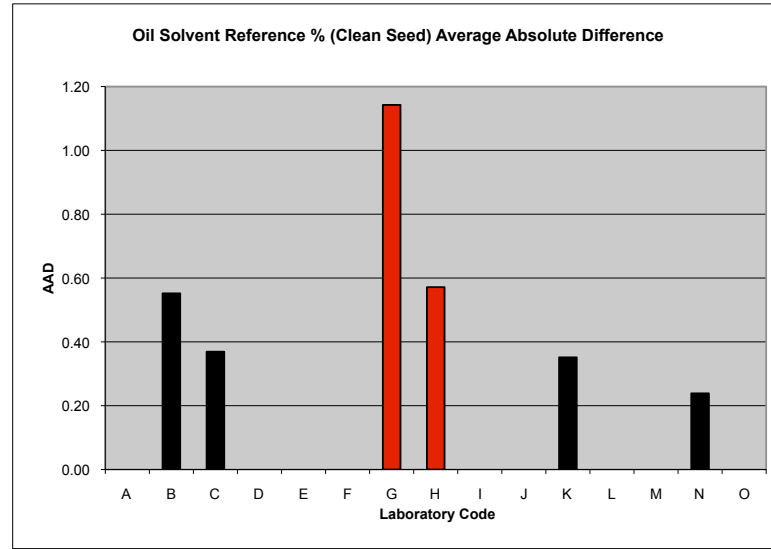
**2011 AOF Test Check Program
Round 3 Summary - March**

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	41.48	-0.18	44.34	0.39	45.20	0.90	0.37	0.49
C								
D								
E								
F	41.25	-0.41	43.90	-0.04	45.05	0.76	0.10	0.40
G	41.45	-0.21	42.56	-1.39	41.91	-2.39	-1.33	1.33
H								
I	40.95	-0.71	43.97	0.02	44.73	0.44	-0.08	0.39
J								
K								
L								
M								
N	42.19	0.52	44.26	0.32	45.12	0.83	0.56	0.56
O	42.65	0.99	44.65	0.71	43.75	-0.54	0.38	0.75
MEAN	41.66		43.94		44.29			0.65
STDEV	0.63		0.73		1.29			



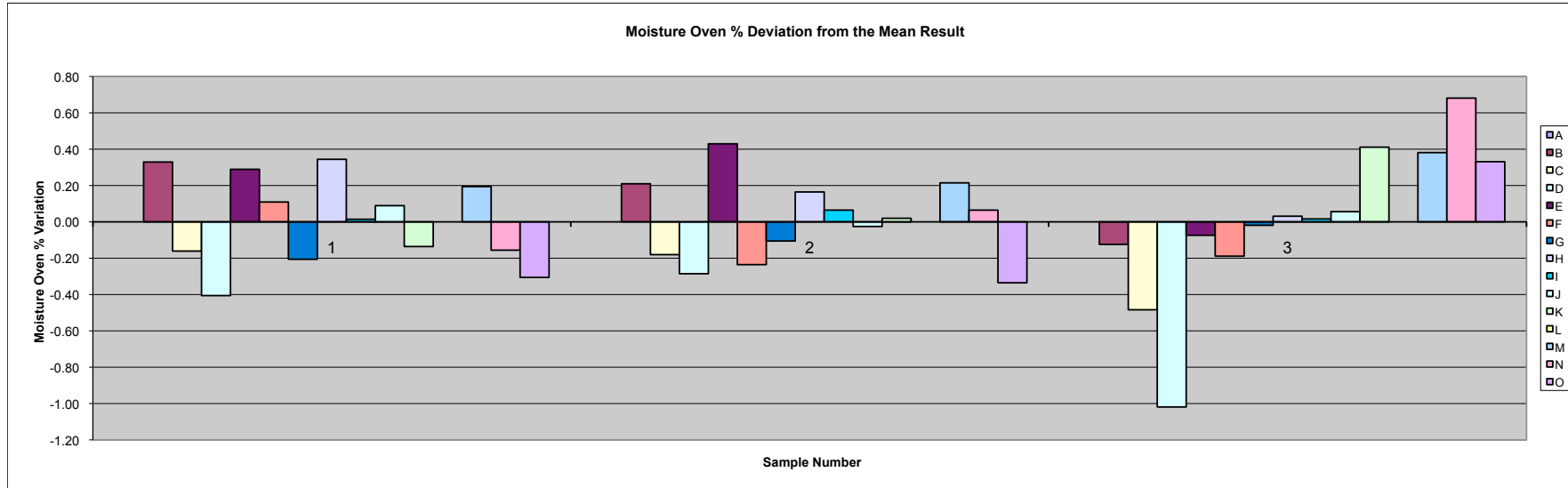
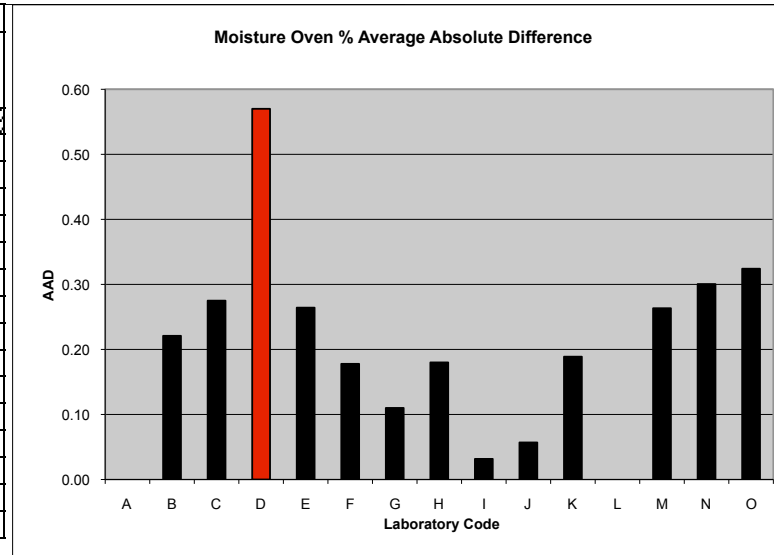
**2011 AOF Test Check Program
Round 3 Summary - March**

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	42.01	-0.06	44.52	0.23	45.67	1.36	0.51	0.55
C	41.83	-0.24	44.23	-0.06	45.11	0.80	0.17	0.37
D								
E								
F								
G	43.65	1.58	44.43	0.14	42.60	-1.71	0.01	1.14
H	41.10	-0.97	43.95	-0.34	43.90	-0.41	-0.57	0.57
I								
J								
K	41.67	-0.40	44.28	-0.01	43.66	-0.65	-0.35	0.35
L								
M								
N	42.16	0.09	44.33	0.04	44.90	0.59	0.24	0.24
O								
MEAN	42.07		44.29		44.31			0.54
STDEV	0.86		0.20		1.13			



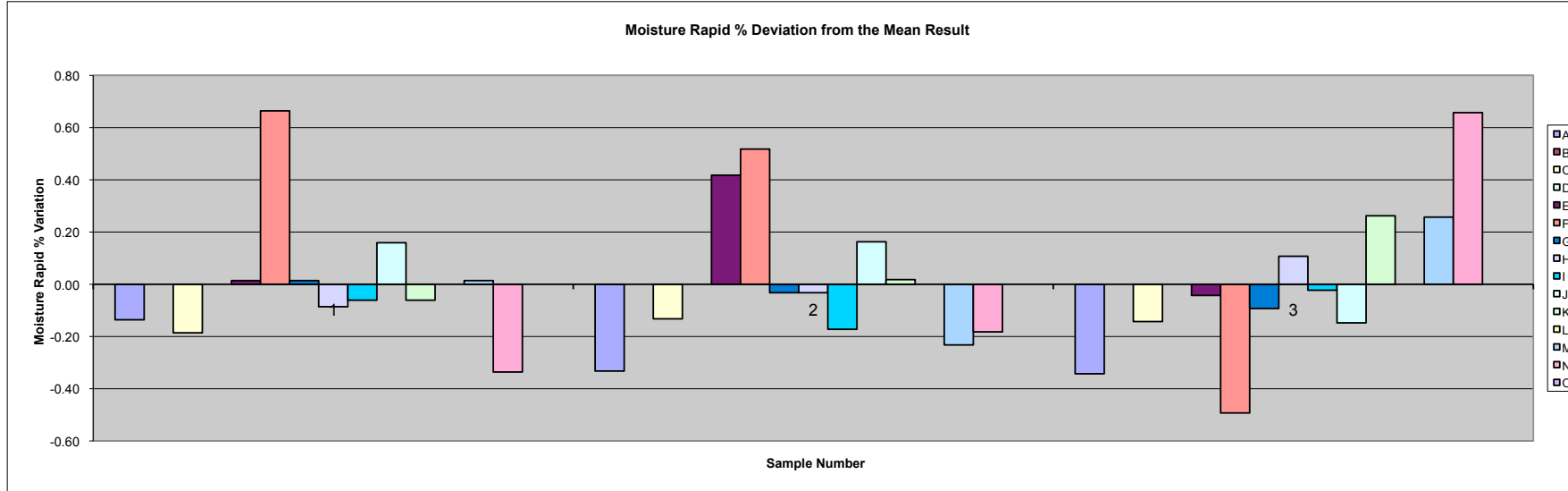
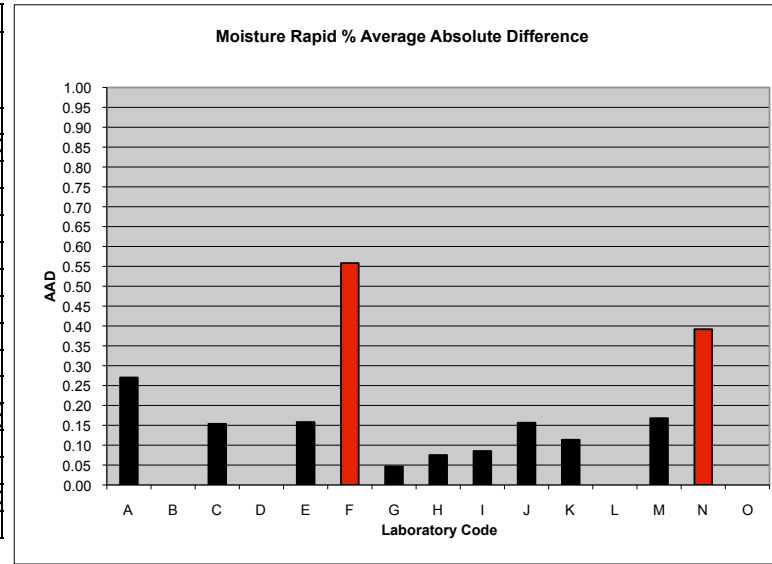
**2011 AOF Test Check Program
Round 3 Summary - March**

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	9.19	0.33	8.40	0.21	5.60	-0.12	0.14	0.22
C	8.70	-0.16	8.01	-0.18	5.24	-0.48	-0.28	0.28
D	8.45	-0.41	7.90	-0.29	4.70	-1.02	-0.57	0.57
E	9.15	0.29	8.62	0.43	5.65	-0.07	0.22	0.26
F	8.97	0.11	7.95	-0.24	5.53	-0.19	-0.11	0.18
G	8.65	-0.21	8.08	-0.11	5.70	-0.02	-0.11	0.11
H	9.20	0.34	8.35	0.16	5.75	0.03	0.18	0.18
I	8.87	0.01	8.25	0.06	5.74	0.02	0.03	0.03
J	8.95	0.09	8.16	-0.03	5.78	0.06	0.04	0.06
K	8.72	-0.14	8.21	0.02	6.13	0.41	0.10	0.19
L								
M	9.05	0.19	8.40	0.21	6.10	0.38	0.26	0.26
N	8.70	-0.16	8.25	0.06	6.40	0.68	0.20	0.30
O	8.55	-0.31	7.85	-0.34	6.05	0.33	-0.10	0.32
MEAN	8.86		8.19		5.72			0.23
STDEV	0.25		0.22		0.43			



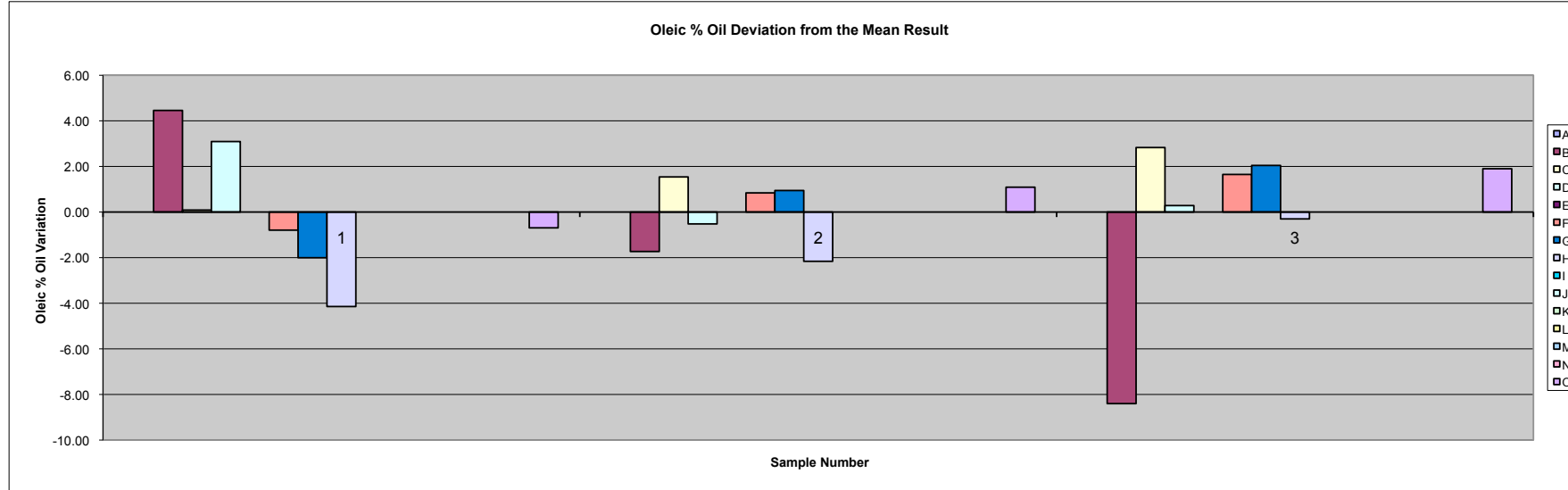
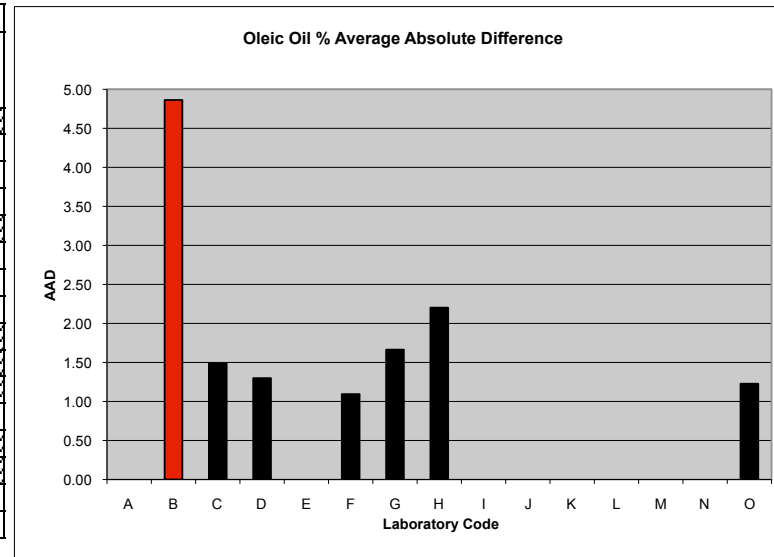
**2011 AOF Test Check Program
Round 3 Summary - March**

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	9.00	-0.14	7.90	-0.33	5.40	-0.34	-0.27	0.27
B								
C	8.95	-0.19	8.10	-0.13	5.60	-0.14	-0.15	0.15
D								
E	9.15	0.01	8.65	0.42	5.70	-0.04	0.13	0.16
F	9.80	0.66	8.75	0.52	5.25	-0.49	0.23	0.56
G	9.15	0.01	8.20	-0.03	5.65	-0.09	-0.04	0.05
H	9.05	-0.09	8.20	-0.03	5.85	0.11	0.00	0.08
I	9.08	-0.06	8.06	-0.17	5.72	-0.02	-0.09	0.09
J	9.30	0.16	8.40	0.16	5.60	-0.15	0.06	0.16
K	9.08	-0.06	8.25	0.02	6.01	0.26	0.07	0.11
L								
M	9.15	0.01	8.00	-0.23	6.00	0.26	0.01	0.17
N	8.80	-0.34	8.05	-0.18	6.40	0.66	0.05	0.39
O								
MEAN	9.14		8.23		5.74			0.20
STDEV	0.25		0.27		0.31			



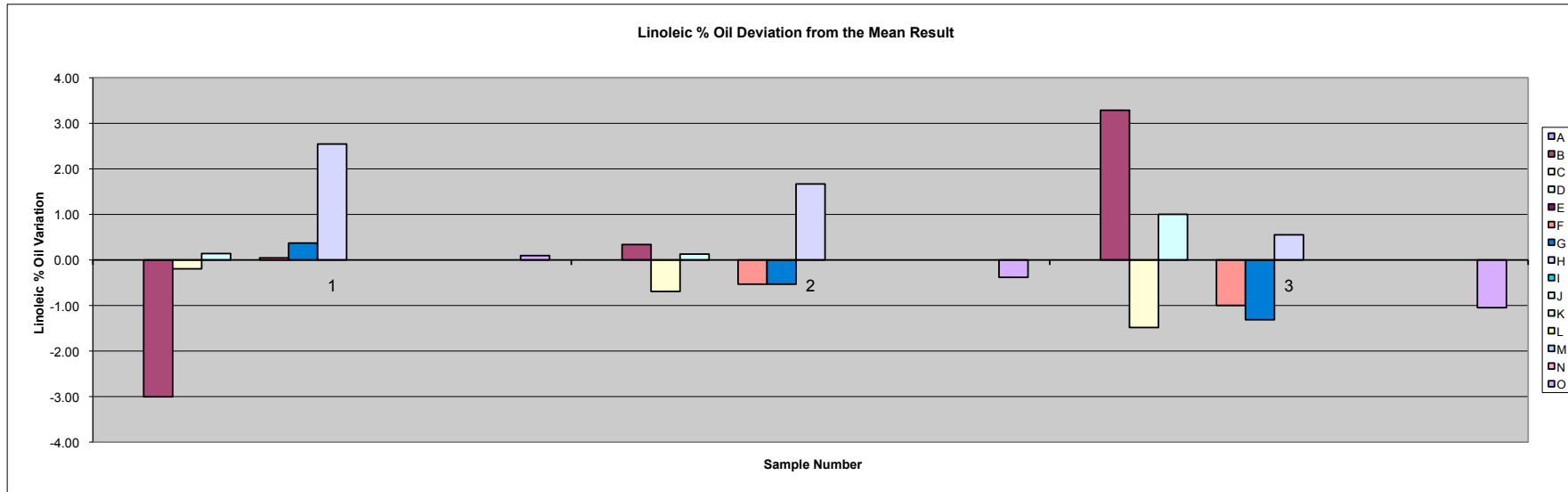
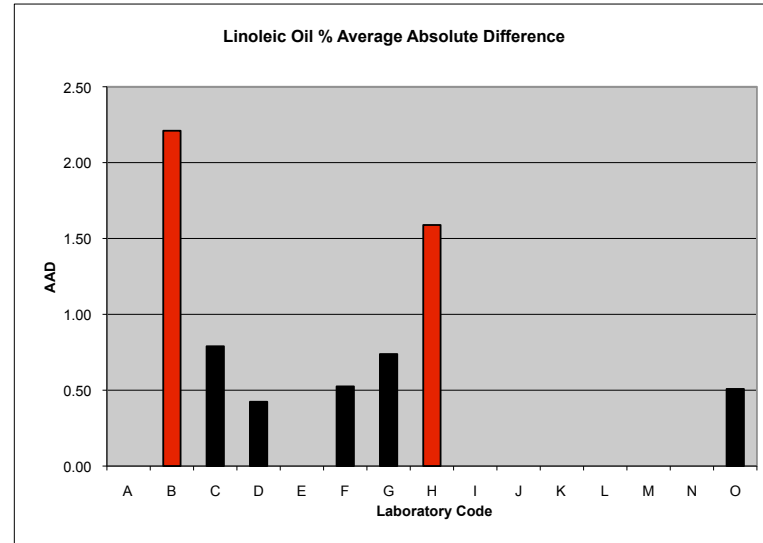
**2011 AOF Test Check Program
Round 3 Summary - March**

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	64.05	4.46	64.08	-1.73	56.55	-8.40	-1.89	4.86
C	59.68	0.09	67.35	1.54	67.78	2.83	1.48	1.48
D	62.69	3.09	65.29	-0.52	65.24	0.28	0.95	1.30
E								
F	58.80	-0.79	66.65	0.84	66.60	1.65	0.56	1.09
G	57.59	-2.00	66.76	0.94	67.00	2.04	0.33	1.66
H	55.45	-4.14	63.65	-2.16	64.65	-0.30	-2.20	2.20
I								
J								
K								
L								
M								
N								
O	58.90	-0.69	66.90	1.09	66.85	1.90	0.76	1.23
MEAN	59.59		65.81		64.95			1.98
STDEV	2.94		1.48		3.86			



**2011 AOF Test Check Program
Round 3 Summary - March**

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	17.85	-3.00	17.82	0.34	21.49	3.29	0.21	2.21
C	20.66	-0.19	16.79	-0.69	16.72	-1.48	-0.79	0.79
D	21.00	0.14	17.61	0.13	19.20	1.00	0.42	0.42
E								
F	20.90	0.05	16.95	-0.53	17.20	-1.00	-0.49	0.53
G	21.23	0.37	16.95	-0.53	16.89	-1.31	-0.49	0.74
H	23.40	2.55	19.15	1.67	18.75	0.55	1.59	1.59
I								
J								
K								
L								
M								
N								
O	20.95	0.10	17.10	-0.38	17.15	-1.05	-0.44	0.51
MEAN	20.85		17.48		18.20			0.97
STDEV	1.62		0.83		1.74			



**2011 AOF Test Check Program
Round 3 Summary - March**

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	0.20	-0.18	0.32	-0.19	0.17	-0.15	-0.17	0.17
C	0.13	-0.25	0.18	-0.33	0.16	-0.16	-0.25	0.25
D								
E	0.56	0.18	1.04	0.53	0.72	0.40	0.37	0.37
F	0.80	0.42	0.90	0.39	0.40	0.08	0.30	0.30
G	0.47	0.09	0.52	0.01	0.40	0.08	0.06	0.06
H	0.25	-0.13	0.29	-0.22	0.16	-0.16	-0.17	0.17
I								
J								
K	0.24	-0.14	0.32	-0.19	0.23	-0.09	-0.14	0.14
L								
M								
N								
O								
MEAN	0.38		0.51		0.32			0.21
STDEV	0.24		0.33		0.21			

