



2011 AOF Test Check Program
Monthly Report
Round 5
May 2011
01/05/2011 – 31/05/2011

Result Receiving Dates

Lab Code	Date
A	23/05/2011
B	27/05/2011
C	17/05/2011
D	03/06/2011
E	31/05/2011
F	01/06/2011
G	31/05/2011
H	03/06/2011
I	17/05/2011
J	30/05/2011
K	20/05/2011
L	03/06/2011
M	25/05/2011
N	30/05/2011
O	-

Discussion of Results

Test Weight

No outliers were detected in this round.

Impurities

For Sample 1, Lab E and N both submitted results that were 1.13 and 0.15 higher than the True Outlier Q3 of 4.06 respectively. Sample 3 saw Lab A result of 2.24 fall 0.97 below the True Outlier Q1 of 3.21.

Oil Rapid

No outliers were generated. Sample 1, 2 and 3 oil content range for this round was organized in the manner of low, mid and high respectively with this round mean being 37.50, 41.03 and 44.64.



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Oil Solvent (ISO 659)

Lab G was the only laboratory to produce a lower result than the True Outlier Q1 for Sample 1. Their result of 35.40 saw a significant 0.92 fall below the True Outlier Q1 of 36.32. No other outliers were found in Sample 2 and 3.

Oil Solvent Reference (AOCS Method Am 2-93)

Sample 2 is the only sample to flagged two labs to fall out of its True Outlier Q1 and Q3 of 40.48 and 42.69 respectively. Lab B result of 42.70 were only minutely 0.01 higher than it True Outlier Q3 whereas Lab G had produced a result of 39.75 which came up 0.73 lower than the True Outlier Q1 value for Sample 2.

Moisture Oven

No labs were flagged up with outliers in this round.

Moisture Rapid

No outliers were generated for Moisture Rapid this round.

Oleic Oil

True Outliers Q1 and Q3 for Sample 1 are 57.23 and 63.56 which had led to Lab H result of 57.15 coming out 0.08 lower and Lab C result of 64.08 being 0.52 higher than the True Outliers. In Sample 3 case, Lab C result of 61.45 generated a difference of 0.85 higher than the True Outlier Q3 of 60.60

Linoleic Oil

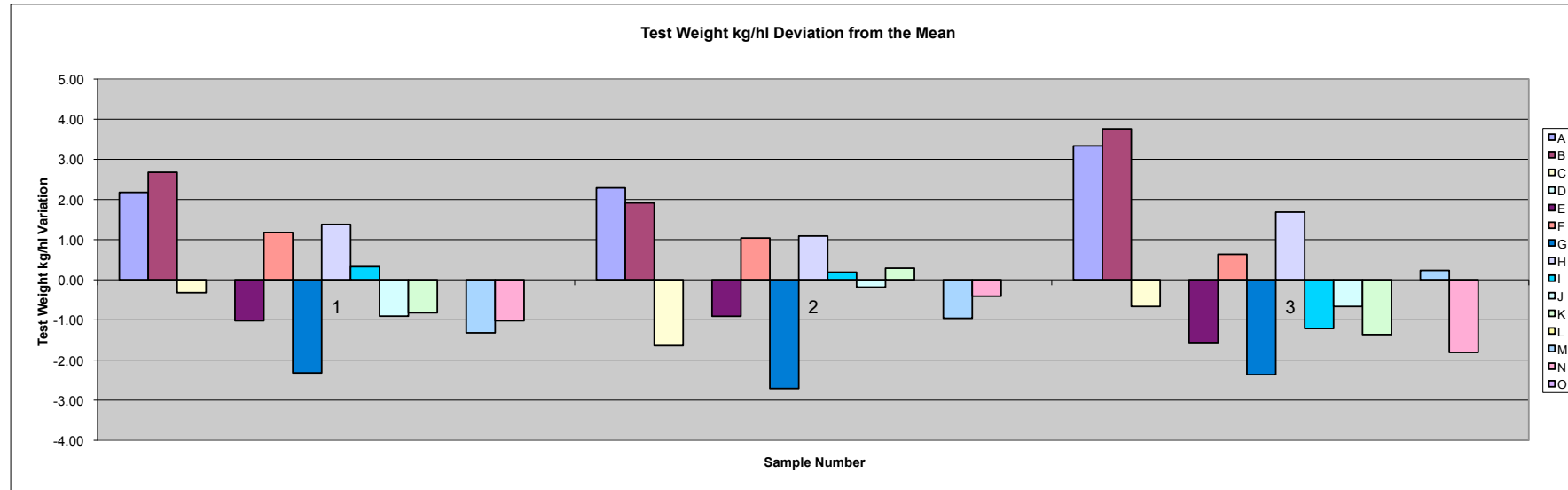
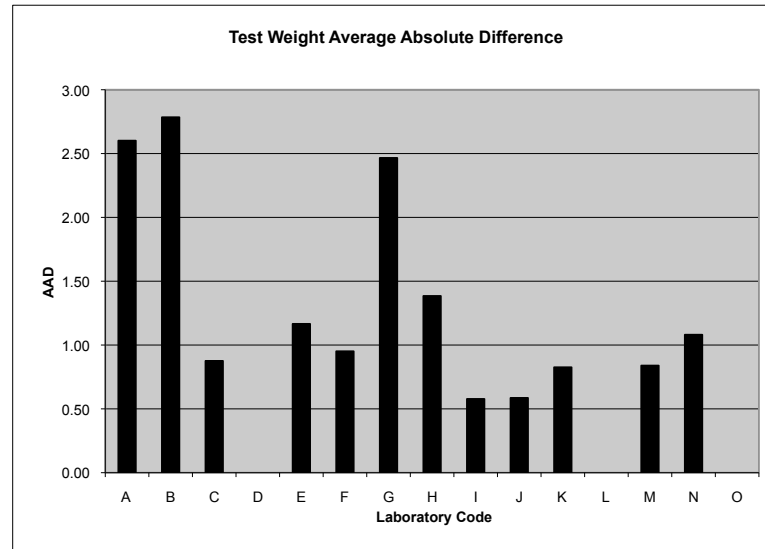
Lab C was the only lab to produce a general trend of their results being lower than the True Outlier Q1 for all 3 samples. The True Outlier Q1 results for sample 1, 2 and 3 are 19.29, 20.21 and 21.36 respectively. Results of 18.97, 20.19 and 20.62 saw Lab C being 0.32, 0.02 and 0.72 below the True Outlier Q1 for each respective sample.

Free Fatty Acid

Lab E was the only lab to produce a general trend of being higher than the True Outlier Q3 of 1.13 and 0.53 for sample 1 and 3 respectively. Lab E result for Sample 1 was 1.15 and 0.61 for Sample 3.

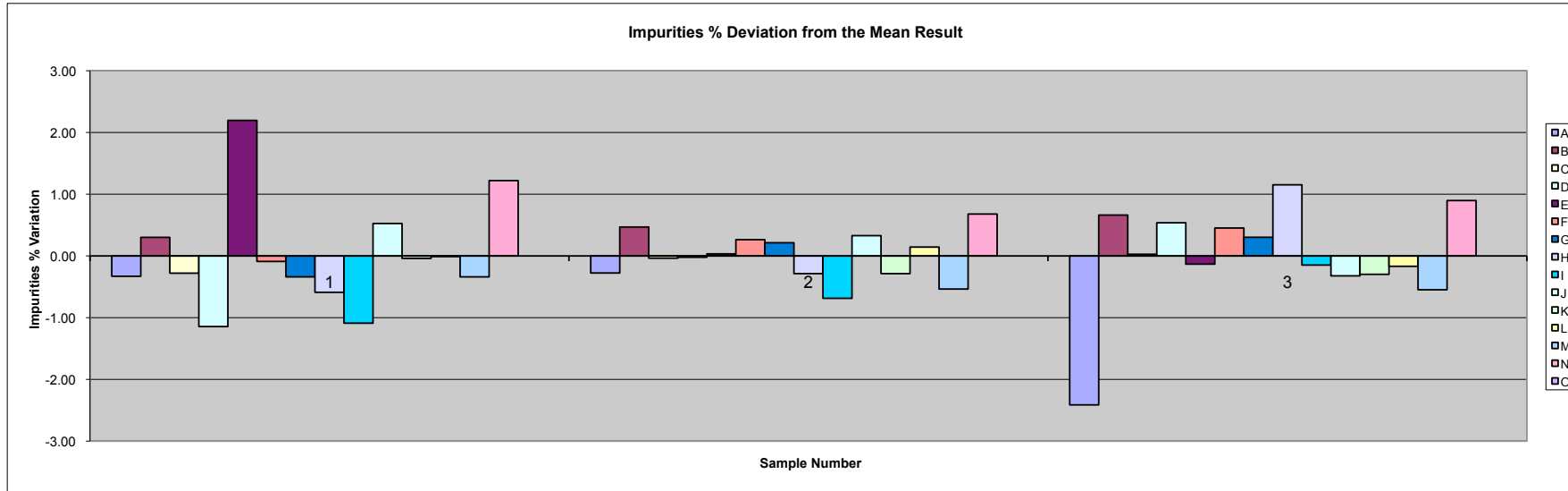
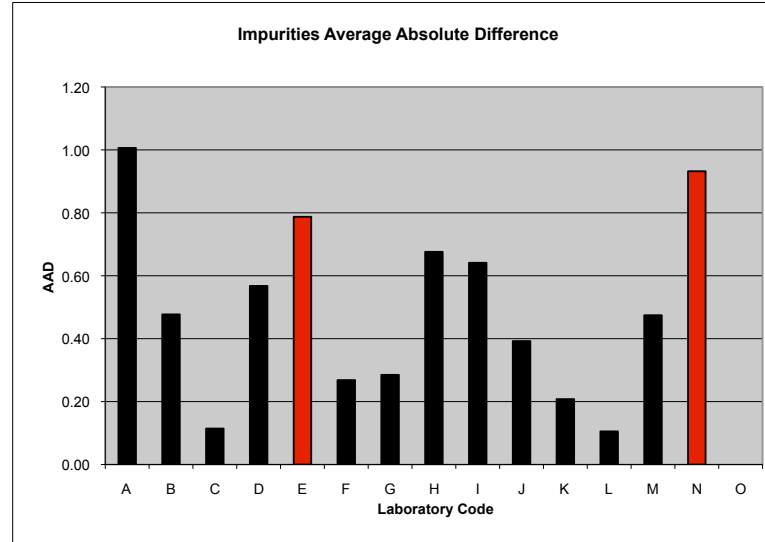
**2011 AOF Test Check Program
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	68.50	2.18	69.50	2.29	67.70	3.33	2.60	2.60
B	69.00	2.68	69.13	1.92	68.13	3.76	2.78	2.78
C	66.00	-0.32	65.57	-1.64	63.70	-0.66	-0.88	0.88
D								
E	65.30	-1.02	66.30	-0.91	62.80	-1.57	-1.17	1.17
F	67.50	1.18	68.25	1.04	65.00	0.64	0.95	0.95
G	64.00	-2.32	64.50	-2.71	62.00	-2.36	-2.47	2.47
H	67.70	1.38	68.30	1.09	66.05	1.69	1.38	1.38
I	66.65	0.33	67.40	0.19	63.15	-1.21	-0.23	0.58
J	65.42	-0.91	67.03	-0.18	63.70	-0.66	-0.59	0.59
K	65.50	-0.82	67.50	0.29	63.00	-1.36	-0.63	0.83
L								
M	65.00	-1.32	66.25	-0.96	64.60	0.23	-0.68	0.84
N	65.30	-1.02	66.80	-0.41	62.56	-1.81	-1.08	1.08
O								
MEAN	66.32		67.21		64.37			1.34
STDEV	1.54		1.45		2.00			



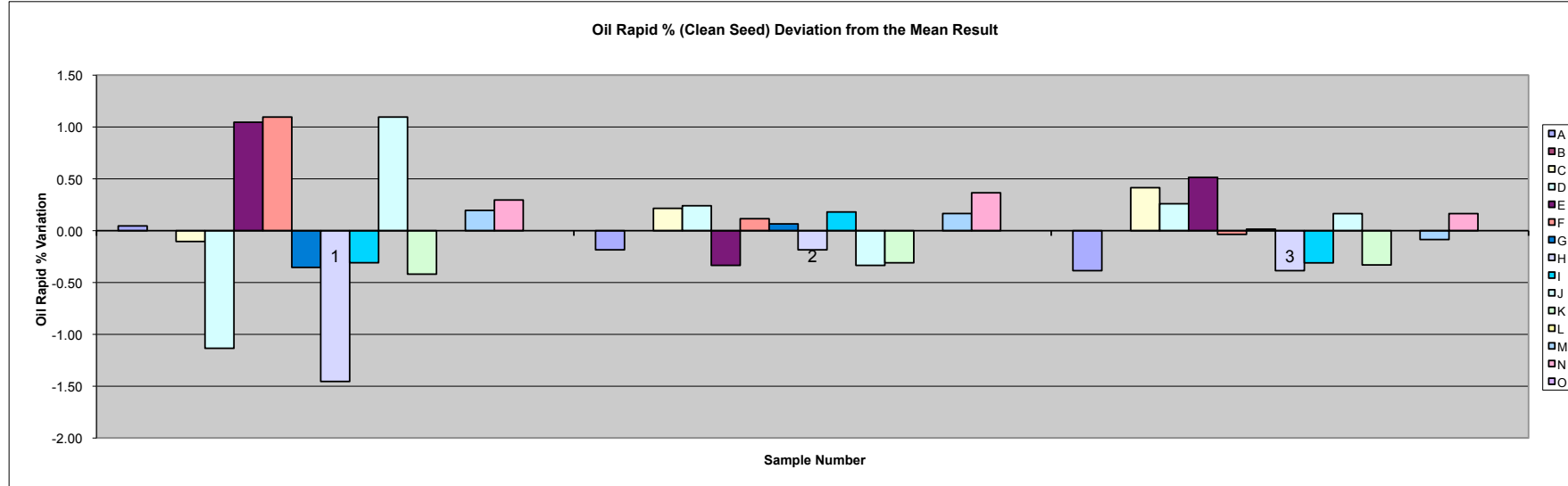
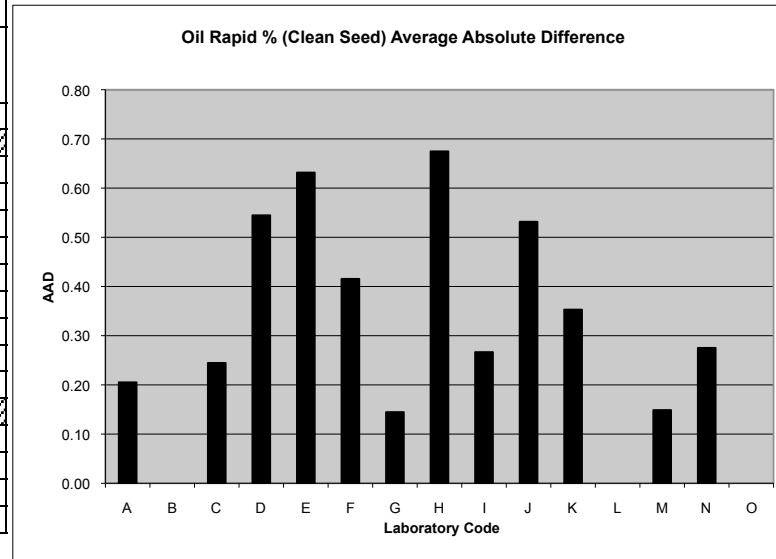
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	2.66	-0.33	1.66	-0.28	2.24	-2.41	-1.01	1.01
B	3.29	0.30	2.41	0.47	5.31	0.66	0.48	0.48
C	2.71	-0.28	1.90	-0.04	4.68	0.03	-0.10	0.11
D	1.85	-1.14	1.92	-0.02	5.19	0.54	-0.21	0.57
E	5.19	2.20	1.97	0.03	4.52	-0.13	0.70	0.79
F	2.90	-0.09	2.20	0.26	5.10	0.45	0.21	0.27
G	2.65	-0.34	2.15	0.21	4.95	0.30	0.06	0.29
H	2.40	-0.59	1.65	-0.29	5.80	1.15	0.09	0.68
I	1.90	-1.09	1.25	-0.69	4.50	-0.15	-0.64	0.64
J	3.52	0.53	2.27	0.33	4.33	-0.32	0.18	0.39
K	2.95	-0.04	1.65	-0.29	4.35	-0.30	-0.21	0.21
L	2.99	0.00	2.08	0.14	4.48	-0.17	-0.01	0.11
M	2.65	-0.34	1.40	-0.54	4.10	-0.55	-0.47	0.47
N	4.21	1.22	2.62	0.68	5.55	0.90	0.93	0.93
O								
MEAN	2.99		1.94		4.65			0.50
STDEV	0.87		0.38		0.86			



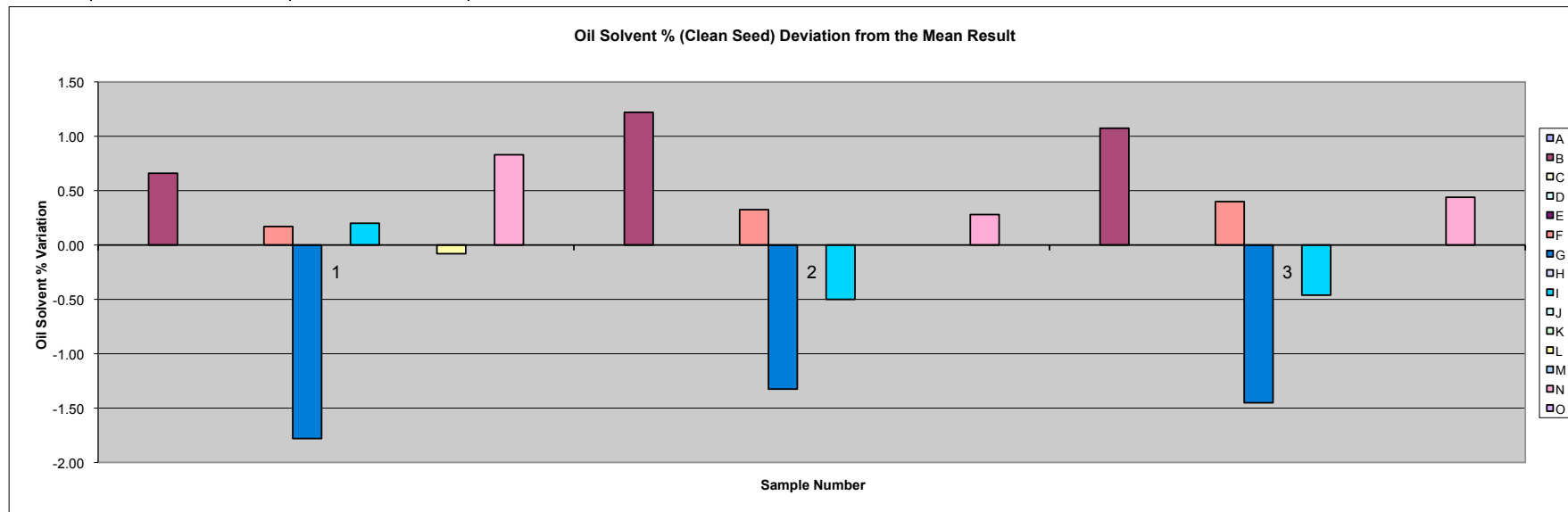
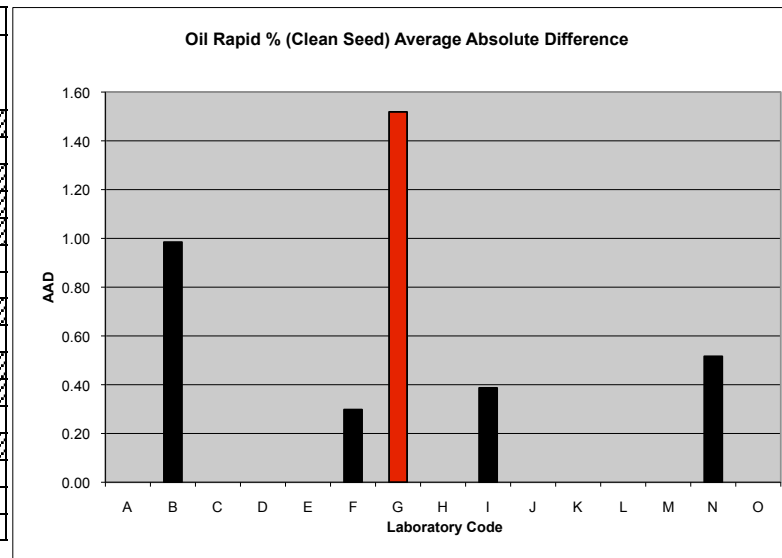
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	37.55	0.05	40.85	-0.18	44.25	-0.39	-0.17	0.21
B								
C	37.40	-0.10	41.25	0.22	45.05	0.41	0.18	0.24
D	36.37	-1.13	41.28	0.24	44.90	0.26	-0.21	0.54
E	38.55	1.05	40.70	-0.33	45.15	0.51	0.41	0.63
F	38.60	1.10	41.15	0.12	44.60	-0.04	0.39	0.42
G	37.15	-0.35	41.10	0.07	44.65	0.01	-0.09	0.14
H	36.05	-1.45	40.85	-0.18	44.25	-0.39	-0.67	0.67
I	37.20	-0.31	41.22	0.18	44.33	-0.31	-0.15	0.27
J	38.60	1.10	40.70	-0.33	44.80	0.16	0.31	0.53
K	37.09	-0.42	40.73	-0.31	44.31	-0.33	-0.35	0.35
L								
M	37.70	0.20	41.20	0.17	44.55	-0.09	0.09	0.15
N	37.80	0.30	41.40	0.37	44.80	0.16	0.28	0.28
O								
MEAN	37.50		41.03		44.64			0.37
STDEV	0.82		0.25		0.31			



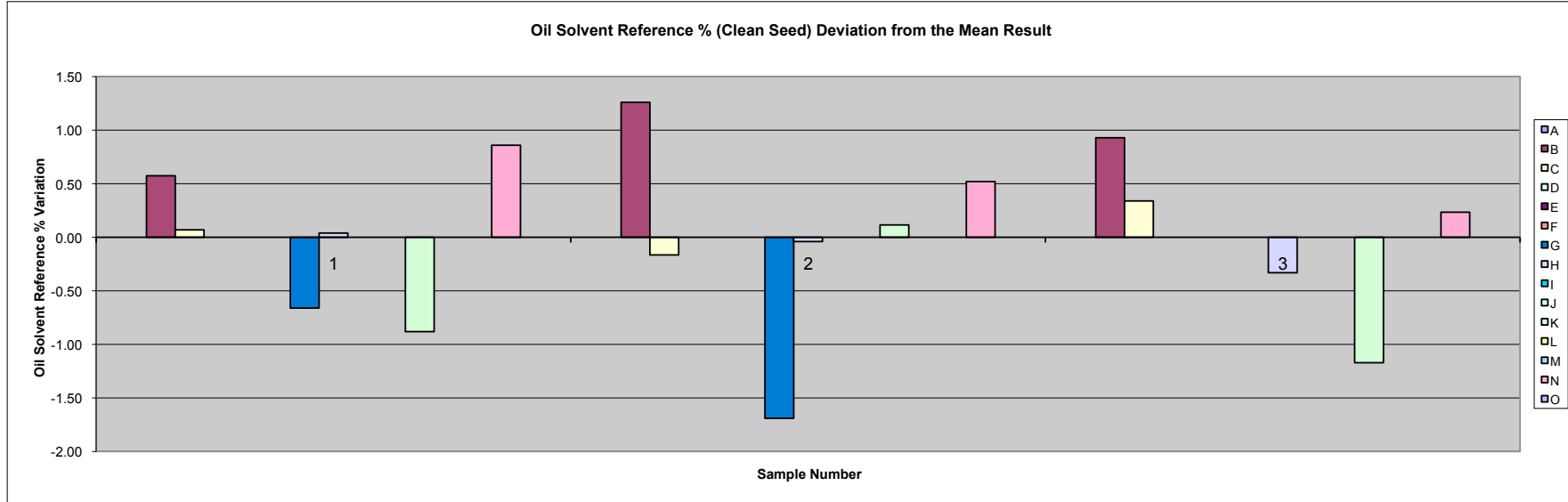
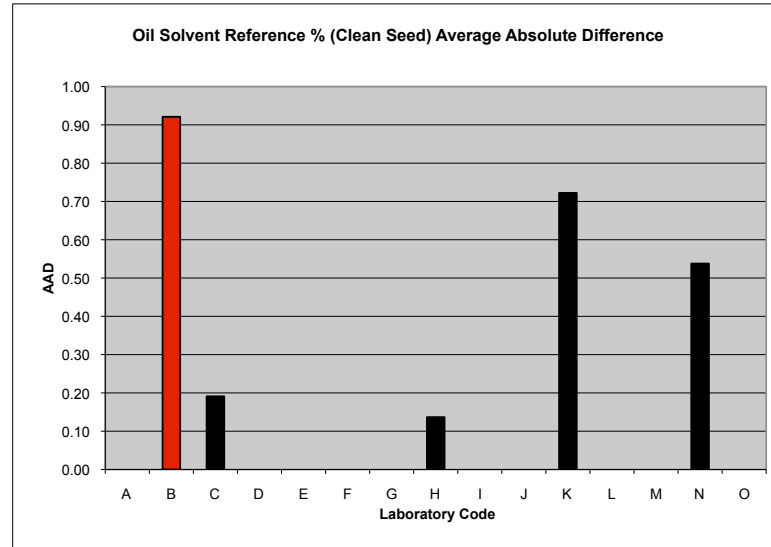
**2011 AOF Test Check Program
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	37.84	0.66	42.55	1.22	45.28	1.07	0.98	0.98
C								
D								
E								
F	37.35	0.17	41.65	0.32	44.60	0.40	0.30	0.30
G	35.40	-1.78	40.00	-1.33	42.75	-1.45	-1.52	1.52
H								
I	37.38	0.20	40.83	-0.50	43.74	-0.46	-0.25	0.39
J								
K								
L	37.10	-0.08						
M								
N	38.01	0.83	41.61	0.28	44.64	0.44	0.52	0.52
O								
MEAN	37.18		41.33		44.20			0.74
STDEV	0.93		0.96		0.98			



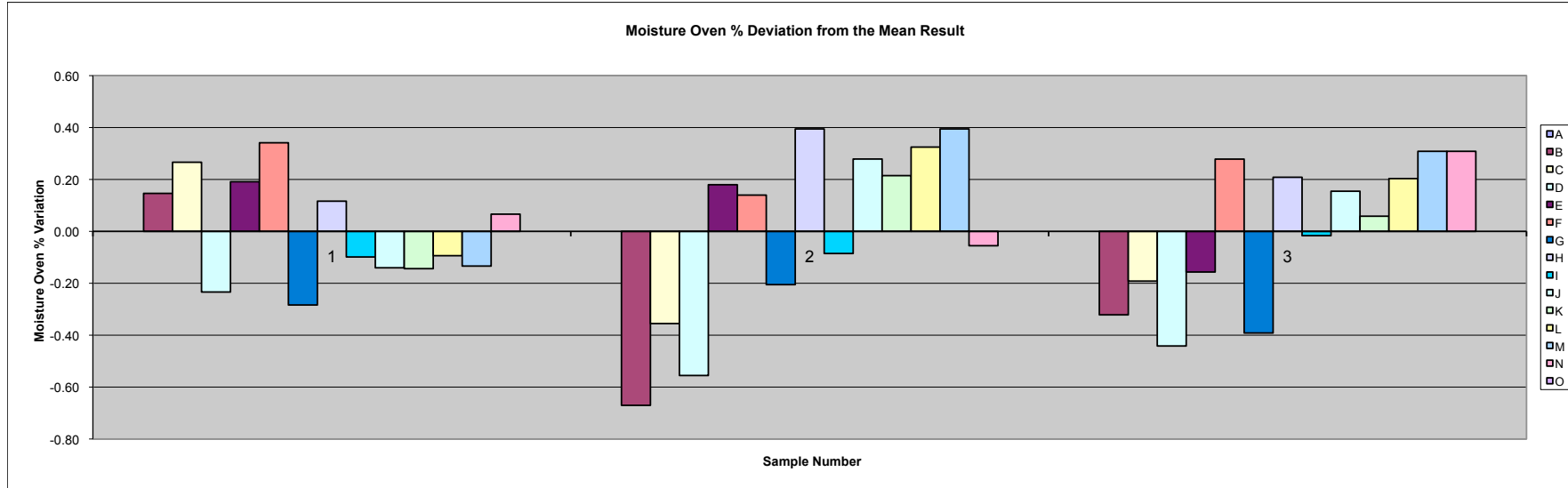
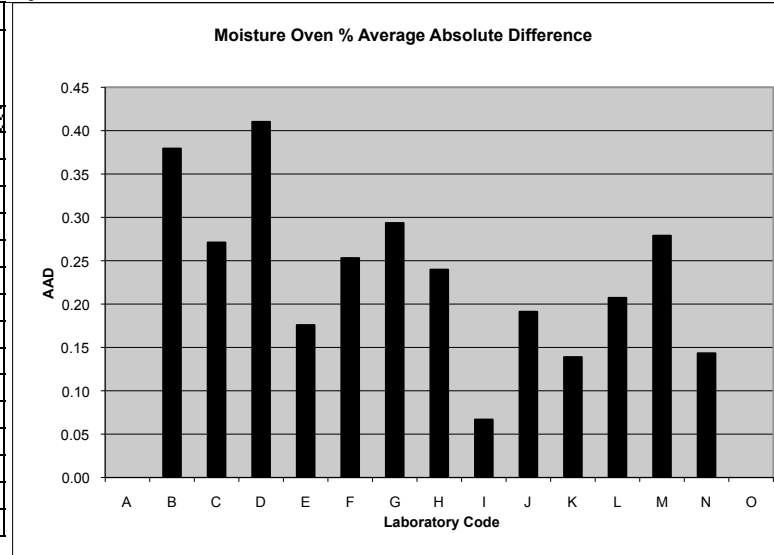
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	37.79	0.57	42.70	1.26	45.46	0.93	0.92	0.92
C	37.28	0.07	41.28	-0.17	44.87	0.34	0.08	0.19
D								
E								
F								
G	36.55	-0.66	39.75	-1.69				
H	37.25	0.04	41.40	-0.04	44.20	-0.33	-0.11	0.14
I								
J								
K	36.33	-0.88	41.56	0.11	43.36	-1.17	-0.65	0.72
L								
M								
N	38.07	0.86	41.96	0.52	44.77	0.23	0.54	0.54
O								
MEAN	37.21		41.44		44.53			0.50
STDEV	0.68		0.98		0.79			



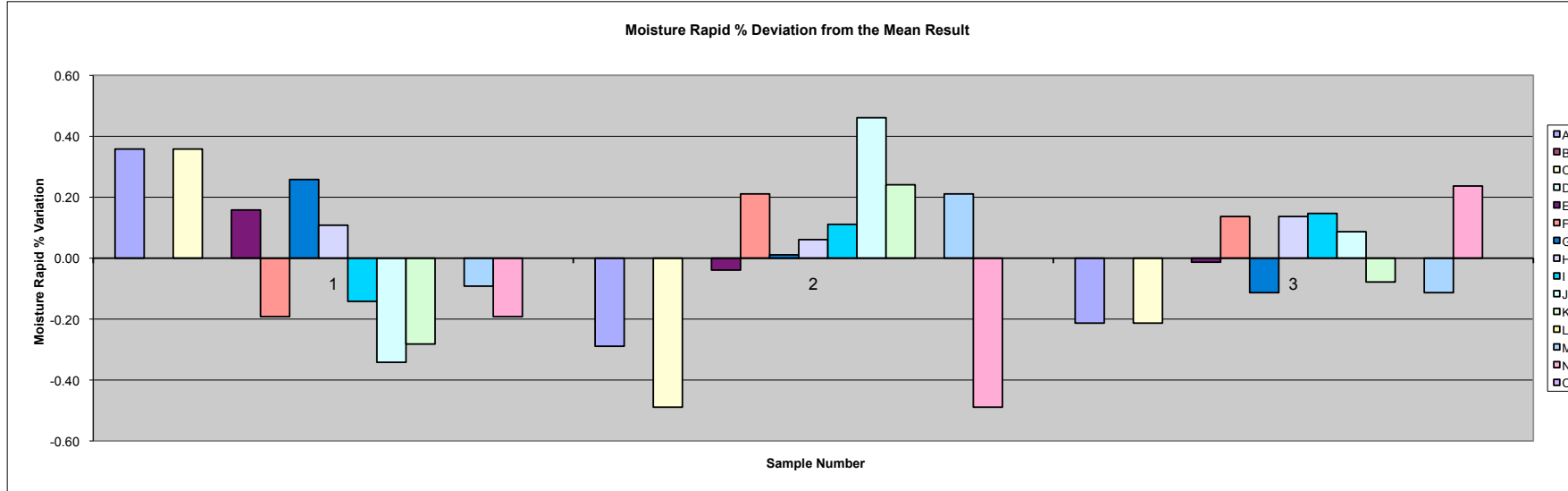
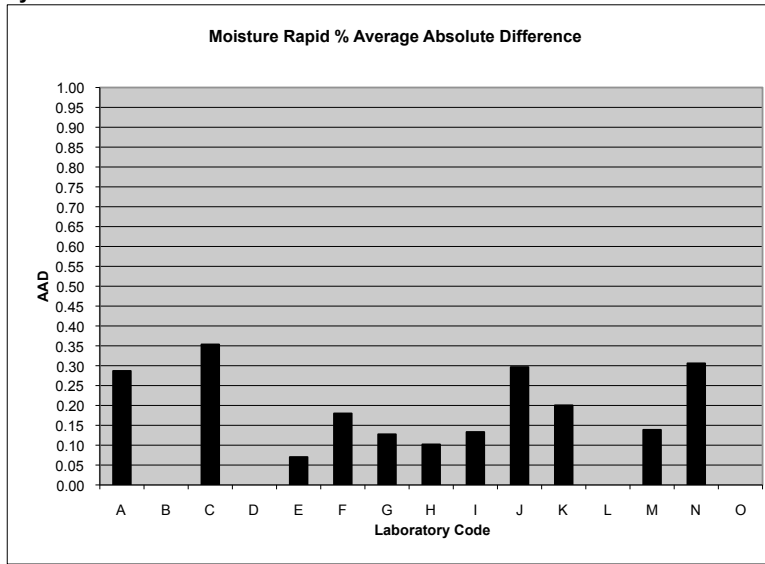
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Round 5 Summary - May**

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	5.78	0.15	7.14	-0.67	5.47	-0.32	-0.28	0.38
C	5.90	0.27	7.45	-0.36	5.60	-0.19	-0.09	0.27
D	5.40	-0.23	7.25	-0.56	5.35	-0.44	-0.41	0.41
E	5.83	0.19	7.99	0.18	5.64	-0.16	0.07	0.18
F	5.98	0.34	7.95	0.14	6.07	0.28	0.25	0.25
G	5.35	-0.28	7.60	-0.21	5.40	-0.39	-0.29	0.29
H	5.75	0.12	8.20	0.39	6.00	0.21	0.24	0.24
I	5.54	-0.10	7.72	-0.09	5.78	-0.02	-0.07	0.07
J	5.49	-0.14	8.08	0.28	5.95	0.15	0.10	0.19
K	5.49	-0.14	8.02	0.21	5.85	0.06	0.04	0.14
L	5.54	-0.09	8.13	0.32	6.00	0.20	0.14	0.21
M	5.50	-0.13	8.20	0.39	6.10	0.31	0.19	0.28
N	5.70	0.07	7.75	-0.06	6.10	0.31	0.11	0.14
O								
MEAN	5.63		7.81		5.79			0.23
STDEV	0.20		0.36		0.27			



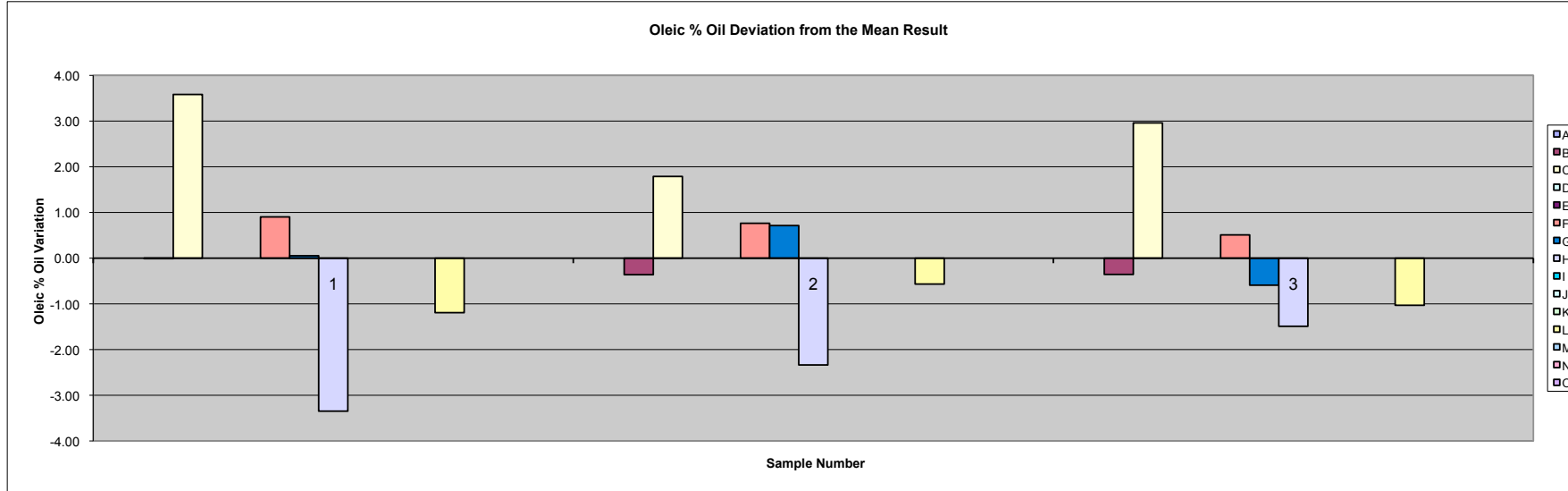
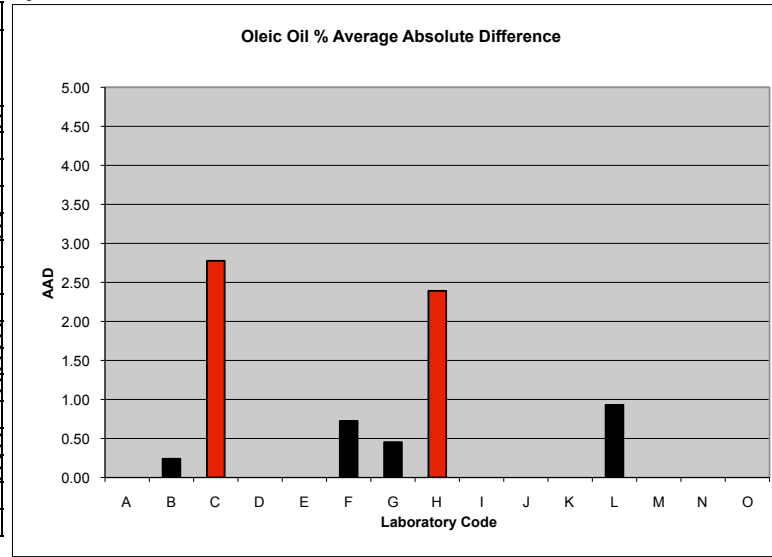
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	5.95	0.36	7.65	-0.29	5.40	-0.21	-0.05	0.29
B								
C	5.95	0.36	7.45	-0.49	5.40	-0.21	-0.11	0.35
D								
E	5.75	0.16	7.90	-0.04	5.60	-0.01	0.04	0.07
F	5.40	-0.19	8.15	0.21	5.75	0.14	0.05	0.18
G	5.85	0.26	7.95	0.01	5.50	-0.11	0.05	0.13
H	5.70	0.11	8.00	0.06	5.75	0.14	0.10	0.10
I	5.45	-0.14	8.05	0.11	5.76	0.15	0.04	0.13
J	5.25	-0.34	8.40	0.46	5.70	0.09	0.07	0.30
K	5.31	-0.28	8.18	0.24	5.54	-0.08	-0.04	0.20
L								
M	5.50	-0.09	8.15	0.21	5.50	-0.11	0.00	0.14
N	5.40	-0.19	7.45	-0.49	5.85	0.24	-0.15	0.31
O								
MEAN	5.59		7.94		5.61			0.20
STDEV	0.26		0.31		0.16			



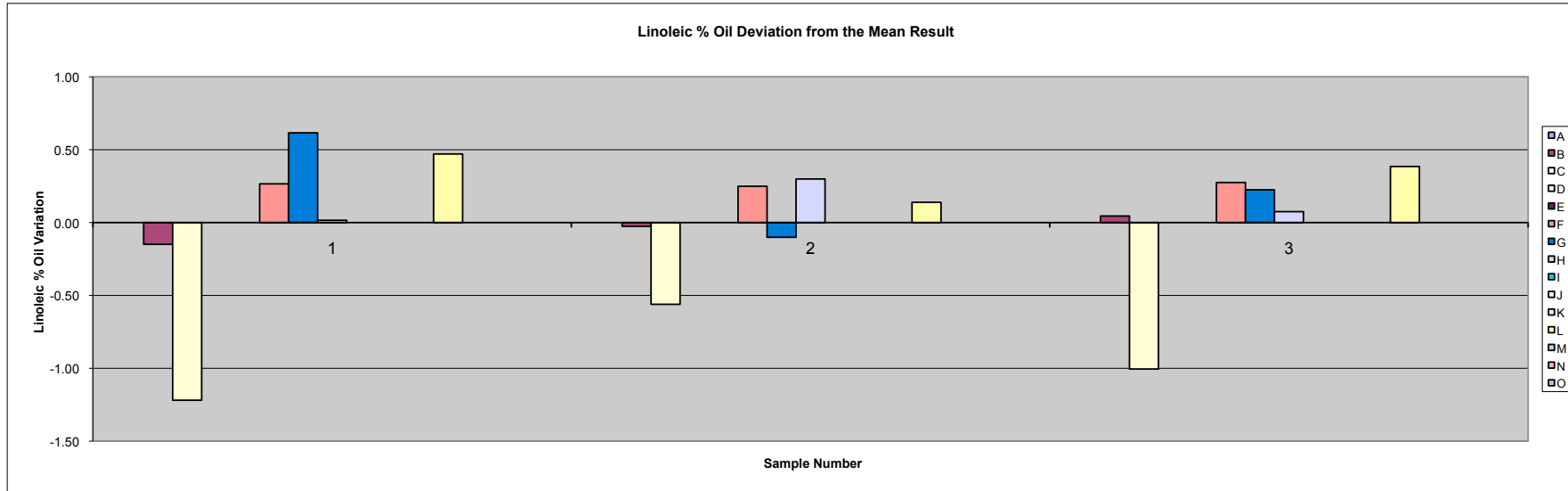
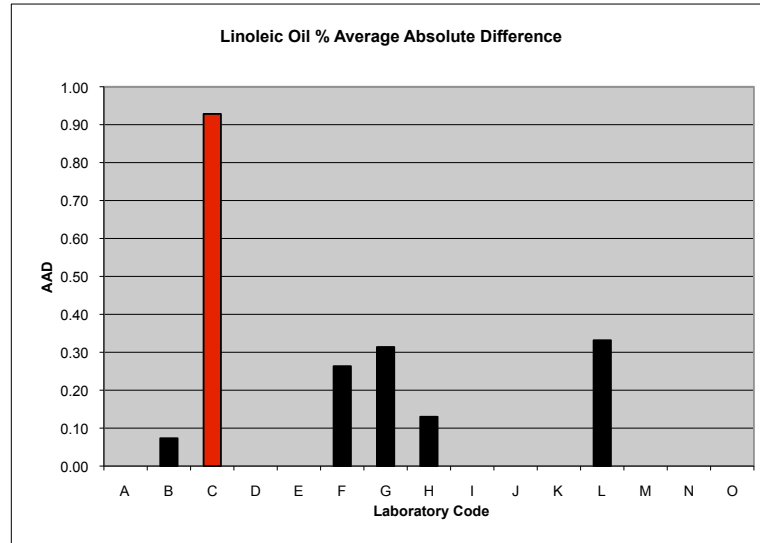
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	60.50	0.00	57.78	-0.36	58.14	-0.36	-0.24	0.24
C	64.08	3.58	59.93	1.79	61.45	2.96	2.78	2.78
D								
E								
F	61.40	0.90	58.90	0.76	59.00	0.51	0.72	0.72
G	60.55	0.05	58.85	0.71	57.90	-0.59	0.06	0.45
H	57.15	-3.35	55.80	-2.34	57.00	-1.49	-2.39	2.39
I								
J								
K								
L	59.31	-1.19	57.57	-0.57	57.46	-1.03	-0.93	0.93
M								
N								
O								
MEAN	60.50		58.14		58.49			1.25
STDEV	2.29		1.43		1.60			



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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	20.04	-0.15	20.73	-0.03	21.67	0.05	-0.04	0.07
C	18.97	-1.22	20.19	-0.56	20.62	-1.01	-0.93	0.93
D								
E								
F	20.45	0.27	21.00	0.25	21.90	0.27	0.26	0.26
G	20.80	0.62	20.65	-0.10	21.85	0.23	0.25	0.31
H	20.20	0.02	21.05	0.30	21.70	0.08	0.13	0.13
I								
J								
K								
L	20.66	0.47	20.89	0.14	22.01	0.39	0.33	0.33
M								
N								
O								
MEAN	20.18		20.75		21.63			0.34
STDEV	0.66		0.32		0.51			



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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	0.27	-0.25	0.18	-0.21	0.17	-0.15	-0.20	0.20
C								
D								
E	1.15	0.63	0.69	0.30	0.61	0.28	0.41	0.41
F	0.77	0.25	0.54	0.15	0.41	0.08	0.16	0.16
G	0.50	-0.02	0.40	0.01	0.30	-0.02	-0.01	0.02
H	0.35	-0.17	0.35	-0.04	0.30	-0.02	-0.08	0.08
I								
J								
K	0.24	-0.28	0.20	-0.19	0.21	-0.12	-0.19	0.19
L	0.35	-0.17	0.36	-0.03	0.26	-0.06	-0.09	0.09
M								
N								
O								
MEAN	0.52		0.39		0.32			0.16
STDEV	0.33		0.18		0.15			

