



ABB Grain Ltd ABN 59 084 962 130

08/09 AOF Test Check Program Monthly Report Round 2 Jan-09

6/01/2009 - 3/02/2009

Result Receival Dates

Lab Code	Date
J	5-Jan-09
L	7-Jan-09
N	12-Jan-09
E	13-Jan-09
M	16-Jan-09
A	19-Jan-09
K	19-Jan-09
D	30-Jan-09
F	30-Jan-09
G	4-Feb-09
B	5-Feb-09
H	6-Feb-09
I	19-Feb-09
C	Not received
O	Not received

Discussion of Results

Test Weight

The result produced by lab E for sample 2 was significantly higher than the mean, recording a mean difference of 2.92. Lab K submitted significantly lower results and produced outliers for samples 1 and 2. Both lab E and K generated high average absolute differences of 1.69 and 1.74.

Impurities

Lab D produced an outlier for sample 1 and generated a high average absolute difference of 0.96. Lab G submitted an outlier for sample 3 recording a mean difference of -0.98. Lab L produced the most consistent results with an average absolute difference of 0.15.

Oil Rapid

Lab A produced an outlier for sample 1 and generated an average absolute difference of 0.92. Lab E also submitted outliers for samples 2 and 3. The result submitted by the lab E for sample 3 was significantly higher than the mean recording a mean difference of 4.21.

Oil Solvent

Labs E and G submitted outliers for samples 2 and 3 and produced the highest absolute average differences of 2.63 and 2.61. Lab K produced the most consistent results with an average absolute difference of 0.31.



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08/09 AOF Test Check Program Monthly Report

Round 2

Jan-09

Oil Solvent (AOCS Method Am 2-93)

No outliers were submitted by the participating laboratories for this method.

Oil SFE

No labs submitted results for Oil SFE this round.

Moisture Oven

The result produced by lab D for sample 3 was lower than the mean, recording an outlier with a mean difference of -0.63. Lab E also submitted outliers for this method for sample 2 and 3, generating the highest absolute average difference of 0.92. Lab N recorded an outlier for sample 1 with a mean difference of -0.62.

Moisture Rapid

Lab A submitted outliers for all samples and generated an average absolute difference of 0.86. As in the previous method lab E also submitted outliers for sample 2 and 3 generating the highest absolute average difference of 1.04. Lab N recorded an outlier for sample 3 with a mean difference of -0.47. Lab H submitted excellent results for this method for all three samples achieving the lowest average absolute difference of 0.05.

Oleic Oil

Lab D submitted significantly higher results with outliers for all three samples and generated the highest absolute average difference of 2.13.

Linoleic Oil

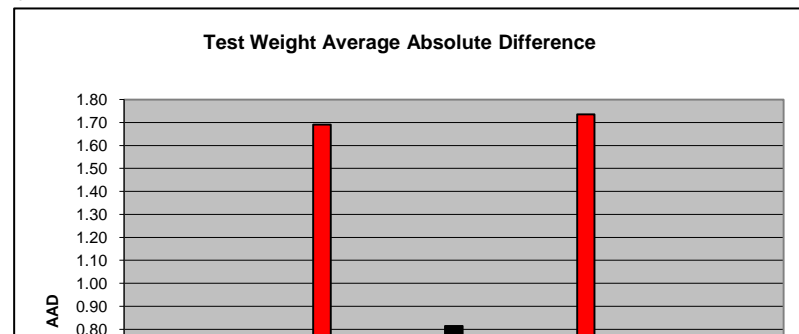
Lab G submitted an outlier for sample 2 and the absolute average difference of 0.82.

Free Fatty Acid

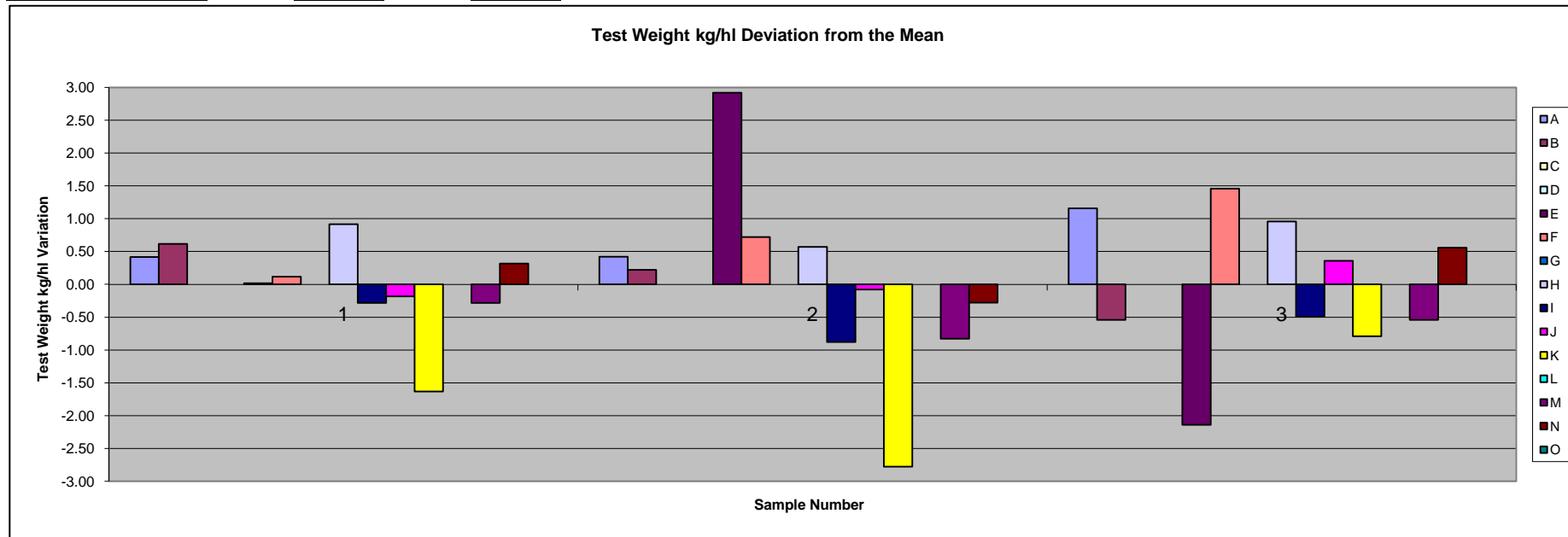
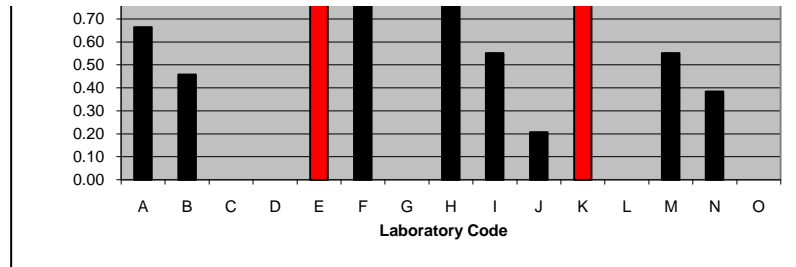
Lab E submitted an outlier for sample 3 and the absolute average difference of 0.75.

AOF Test Check Program January 2008/2009

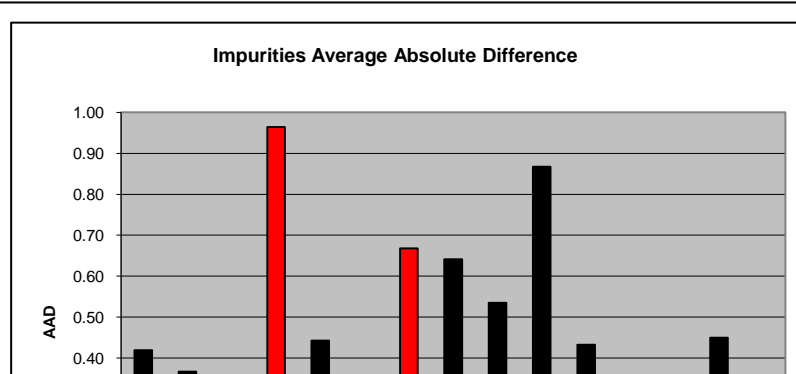
Lab	Test Weight kg/hl						Mean of Differences	Absolute Difference
	Sample 1		Sample 2		Sample 3			
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	68.80	0.42	68.20	0.42	71.70	1.16	0.66	0.66
B	69.00	0.61	68.00	0.22	70.00	-0.54	0.10	0.46
C								
D								
E	68.40	0.02	70.70	2.92	68.40	-2.14	0.27	1.69
F	68.50	0.11	68.50	0.72	72.00	1.46	0.76	0.76
G								
H	69.30	0.91	68.35	0.57	71.50	0.96	0.81	0.81



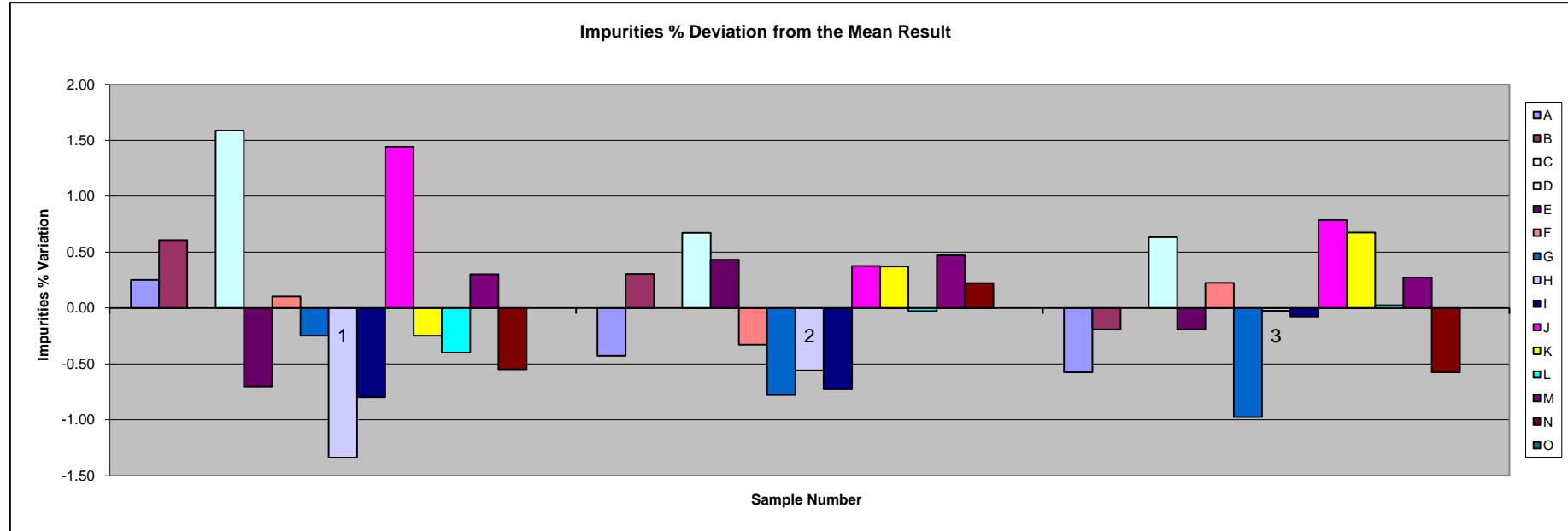
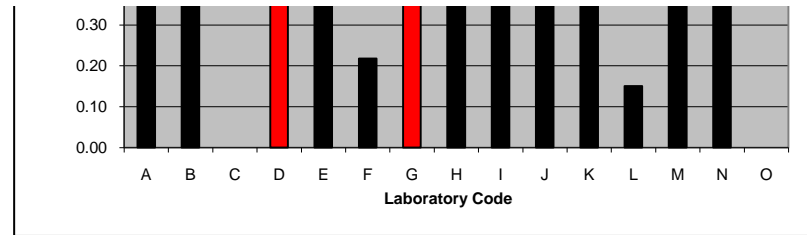
I	68.10	-0.29	66.90	-0.88	70.05	-0.49	-0.55	0.55
J	68.20	-0.19	67.70	-0.08	70.90	0.36	0.03	0.21
K	66.75	-1.64	65.00	-2.78	69.75	-0.79	-1.74	1.74
L								
M	68.10	-0.29	66.95	-0.83	70.00	-0.54	-0.55	0.55
N	68.70	0.31	67.50	-0.28	71.10	0.56	0.20	0.38
O								
MEAN	68.39		67.78		70.54			0.78
STDEV	0.70		1.45		1.10			



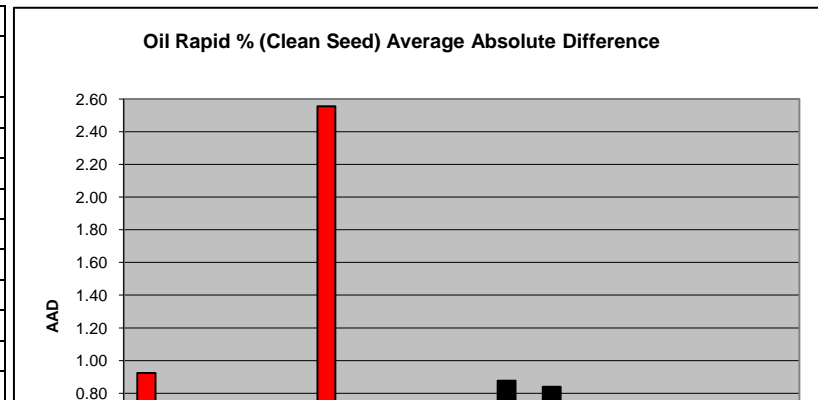
Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	3.05	0.25	0.85	-0.43	1.00	-0.58	-0.25	0.42
B	3.41	0.61	1.58	0.30	1.39	-0.19	0.24	0.37
C								
D	4.39	1.59	1.95	0.67	2.21	0.63	0.96	0.96
E	2.10	-0.70	1.71	0.43	1.39	-0.19	-0.15	0.44
F	2.90	0.10	0.95	-0.33	1.80	0.22	0.00	0.22
G	2.55	-0.25	0.50	-0.78	0.60	-0.98	-0.67	0.67
H	1.46	-1.34	0.72	-0.56	1.55	-0.03	-0.64	0.64
I	2.00	-0.80	0.55	-0.73	1.50	-0.08	-0.53	0.53



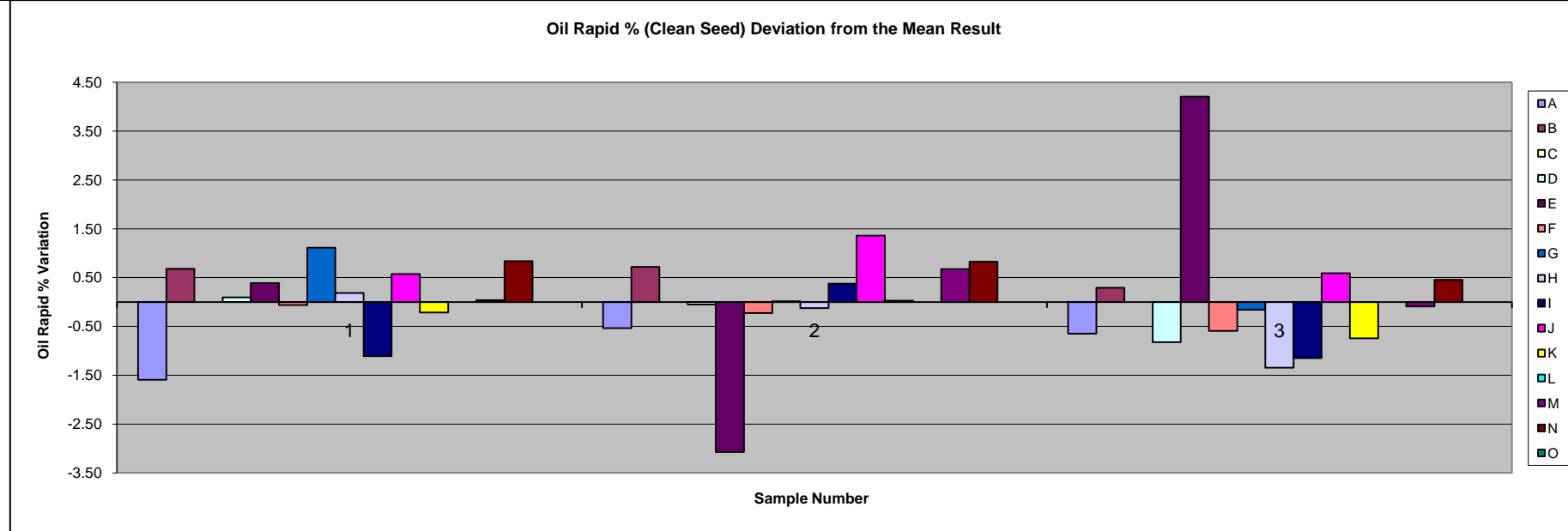
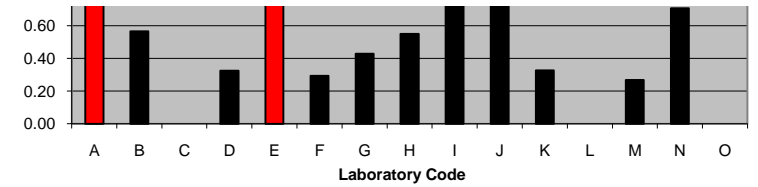
J	4.24	1.44	1.66	0.38	2.36	0.78	0.87	0.87
K	2.55	-0.25	1.65	0.37	2.25	0.67	0.27	0.43
L	2.40	-0.40	1.25	-0.03	1.60	0.02	-0.13	0.15
M	3.10	0.30	1.75	0.47	1.85	0.27	0.35	0.35
N	2.25	-0.55	1.50	0.22	1.00	-0.58	-0.30	0.45
O								
MEAN	2.80		1.28		1.58			0.50
STDEV	0.85		0.50		0.52			



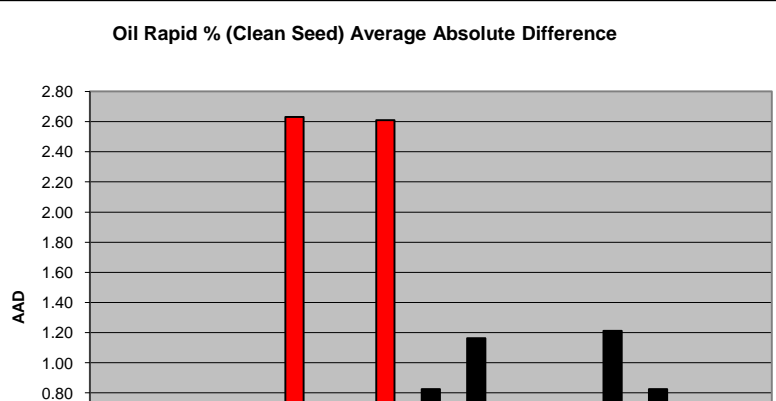
Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	39.12	-1.59	39.49	-0.53	35.85	-0.65	-0.92	0.92
B	41.40	0.68	40.75	0.72	36.79	0.29	0.57	0.57
C								
D	40.81	0.10	39.97	-0.05	35.67	-0.82	-0.26	0.32
E	41.10	0.39	36.95	-3.07	40.70	4.21	0.51	2.56
F	40.65	-0.06	39.80	-0.22	35.90	-0.59	-0.29	0.29
G	41.83	1.11	40.04	0.02	36.34	-0.16	0.32	0.43
H	40.90	0.19	39.90	-0.12	35.15	-1.34	-0.43	0.55
I	39.61	-1.11	40.40	0.38	35.35	-1.15	-0.63	0.88
J	41.29	0.57	41.39	1.36	37.08	0.59	0.84	0.84



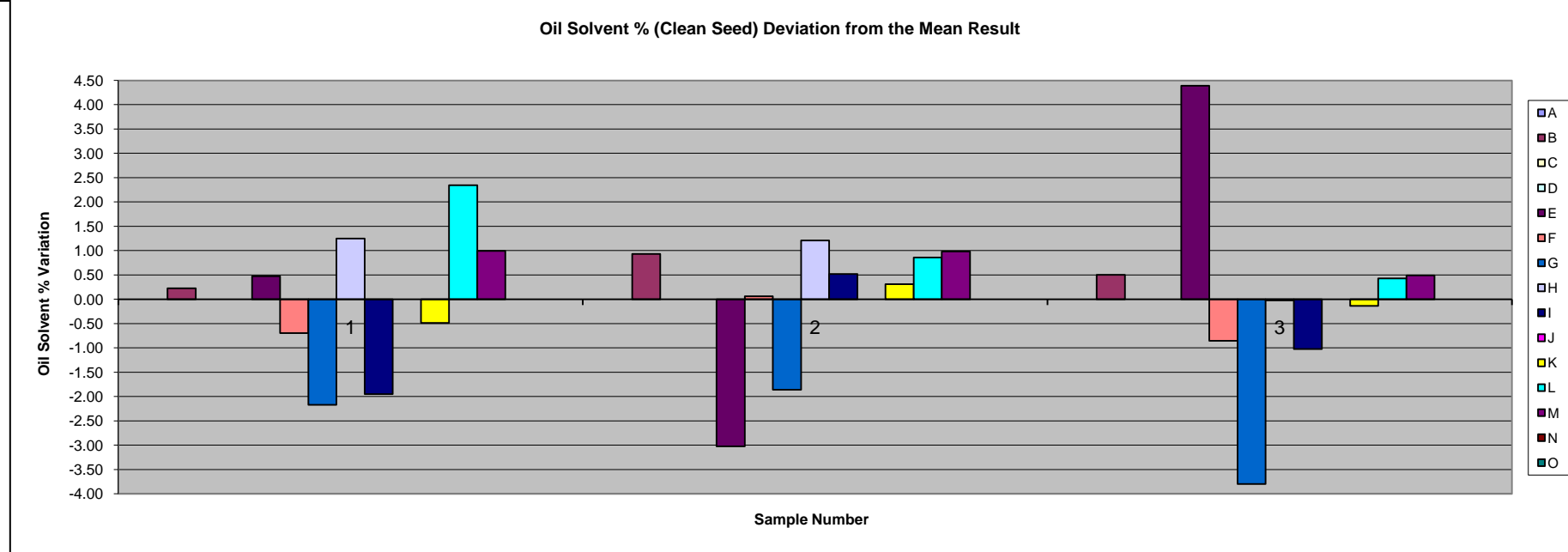
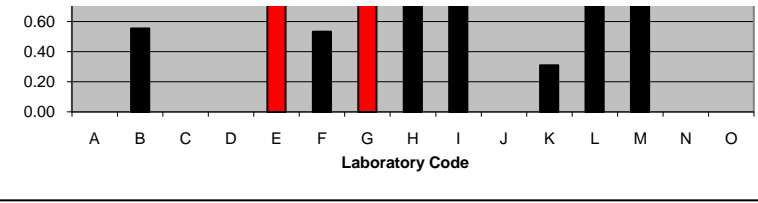
K	40.50	-0.21	40.05	0.03	35.75	-0.74	-0.31	0.33
L								
M	40.75	0.04	40.70	0.68	36.40	-0.09	0.21	0.27
N	41.55	0.84	40.85	0.83	36.95	0.46	0.71	0.71
O								
MEAN	40.71		40.02		36.49			0.72
STDEV	0.82		1.11		1.46			



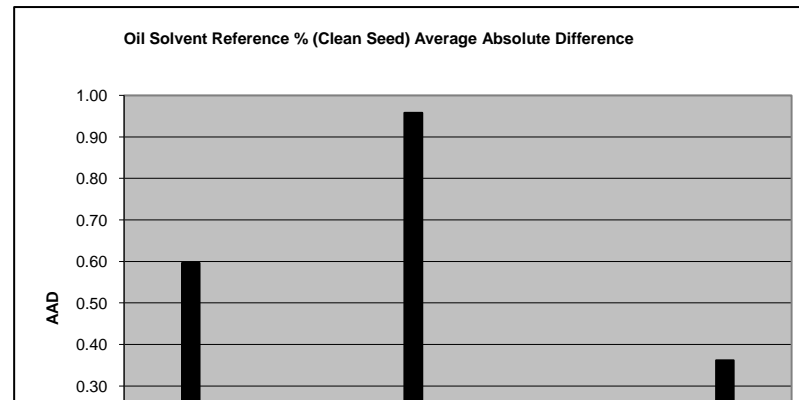
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	40.98	0.23	40.97	0.93	36.98	0.51	0.55	0.55
C								
D								
E	41.23	0.48	37.02	-3.02	40.86	4.39	0.61	2.63
F	40.06	-0.69	40.10	0.06	35.62	-0.85	-0.49	0.53
G	38.58	-2.17	38.18	-1.86	32.68	-3.80	-2.61	2.61
H	42.00	1.25	41.25	1.21	36.45	-0.02	0.81	0.83
I	38.81	-1.95	40.56	0.52	35.45	-1.02	-0.82	1.16
J								



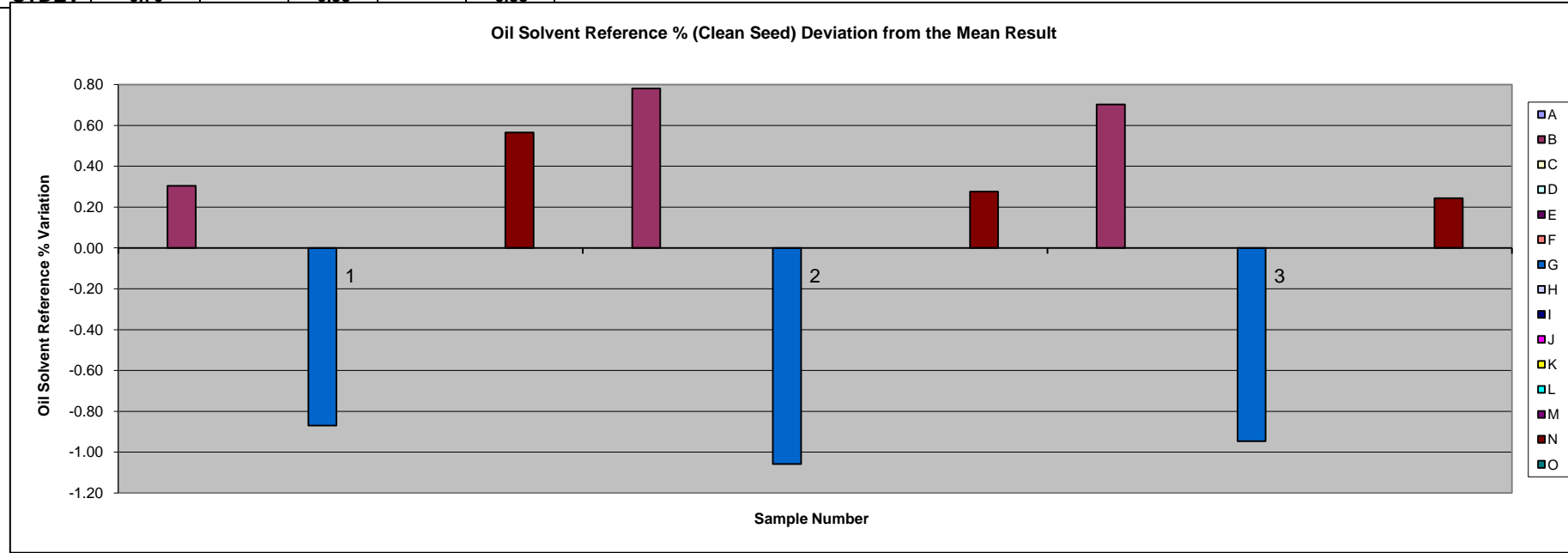
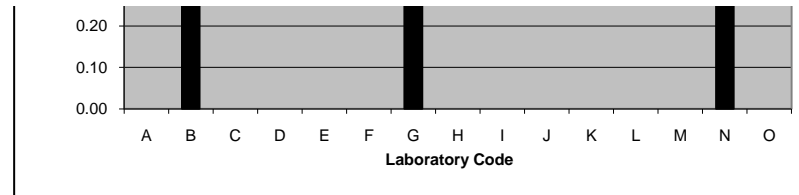
K	40.27	-0.49	40.35	0.31	36.34	-0.13	-0.10	0.31
L	43.10	2.35	40.90	0.86	36.90	0.43	1.21	1.21
M	41.75	0.99	41.03	0.99	36.97	0.50	0.82	0.82
N								
O								
MEAN	40.75		40.04		36.47			1.19
STDEV	1.48		1.46		2.13			



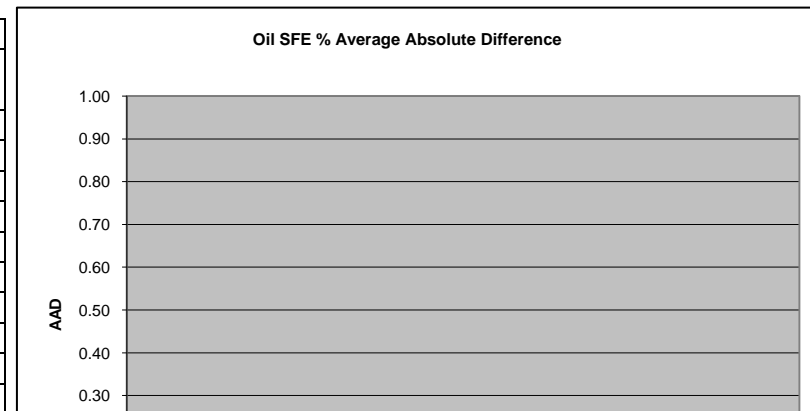
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	41.42	0.31	41.61	0.78	37.51	0.70	0.60	0.60
C								
D								
E								
F								
G	40.25	-0.87	39.77	-1.06	35.86	-0.95	-0.96	0.96
H								
I								
J								



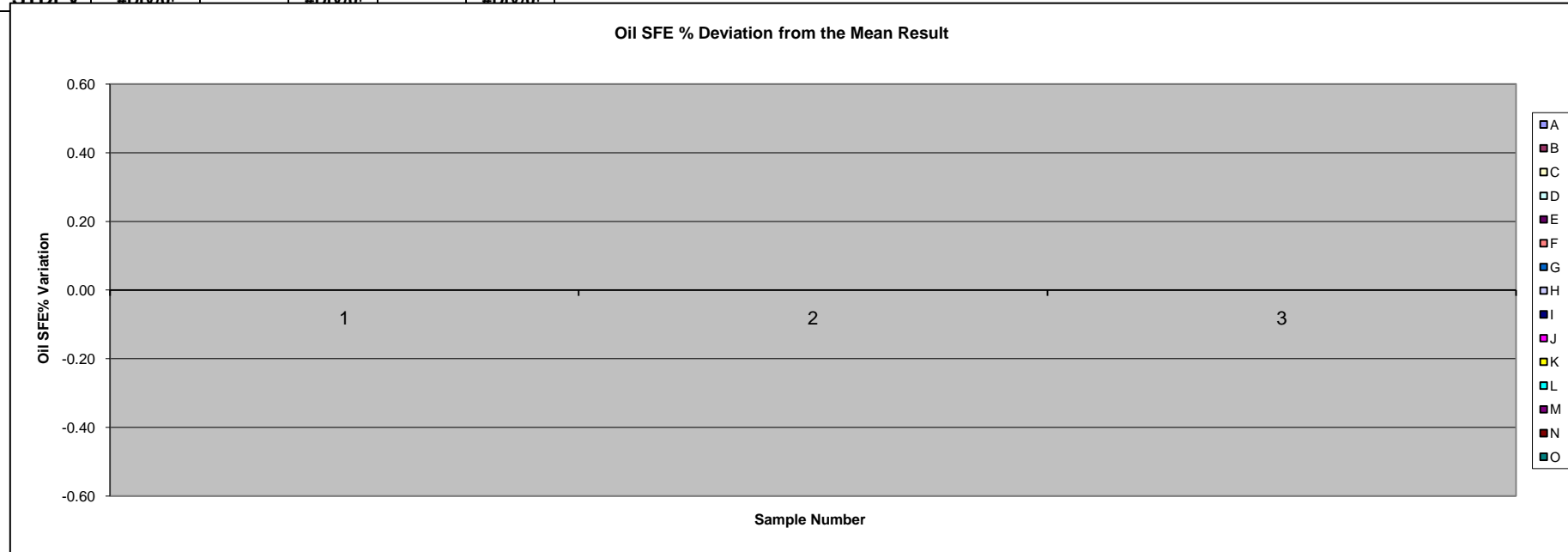
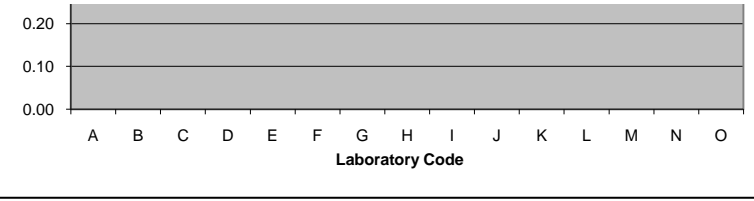
K								
L								
M								
N	41.68	0.57	41.10	0.28	37.05	0.24	0.36	0.36
O								
MEAN	41.12		40.82		36.81			0.64
STDEV	0.76		0.95		0.85			



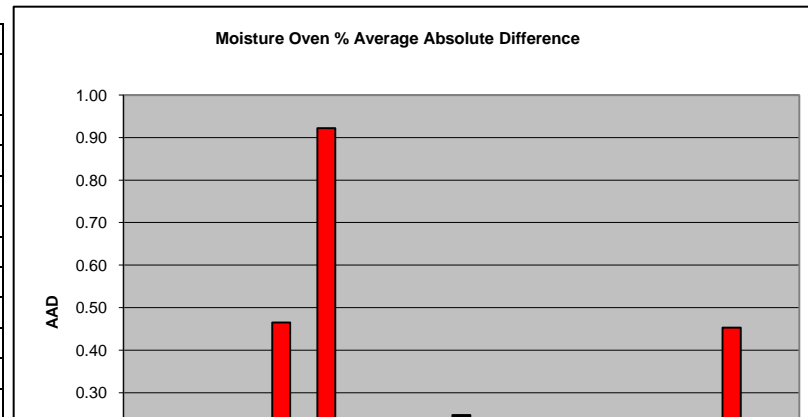
Oil SFE% Deviation from the Mean							Mean of Differences	Average Absolute Difference
Lab	Sample 1		Sample 2		Sample 3			
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B								
C								
D								
E								
F								
G								
H								
I								
J								



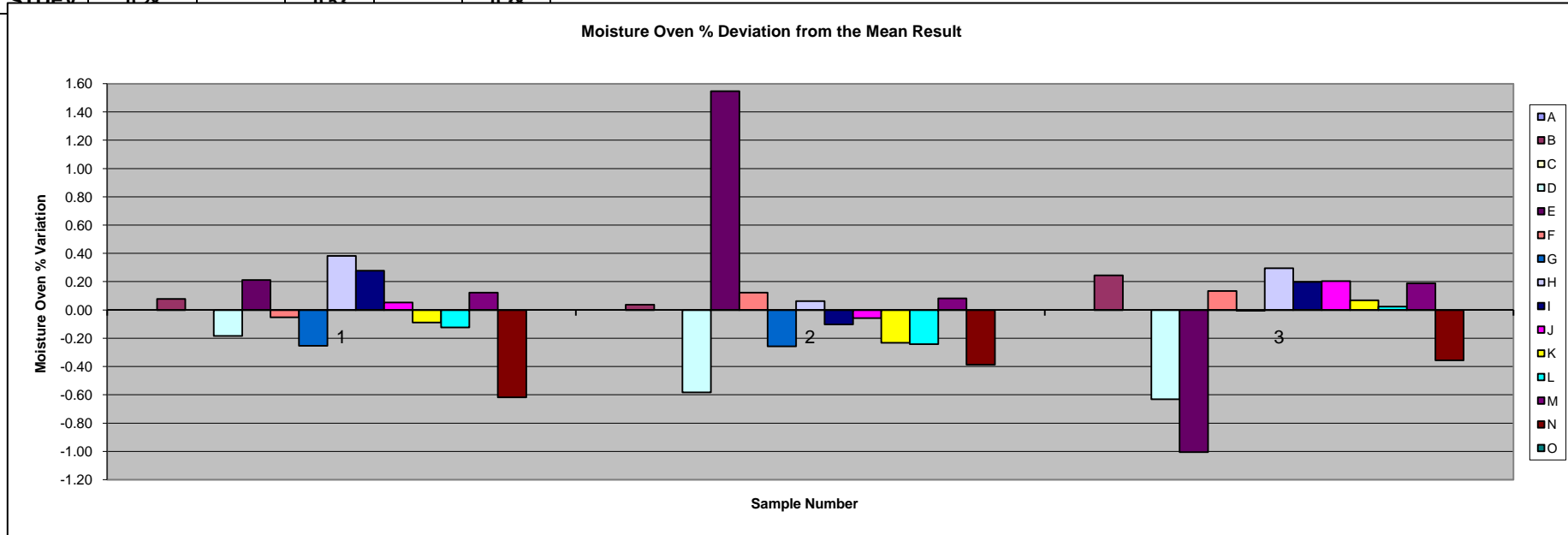
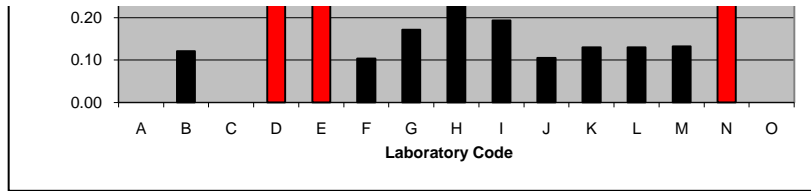
K								
L								
M								
N								
O								
MEAN	#DIV/0!		#DIV/0!		#DIV/0!			#DIV/0!
STDEV	#DIV/0!		#DIV/0!		#DIV/0!			



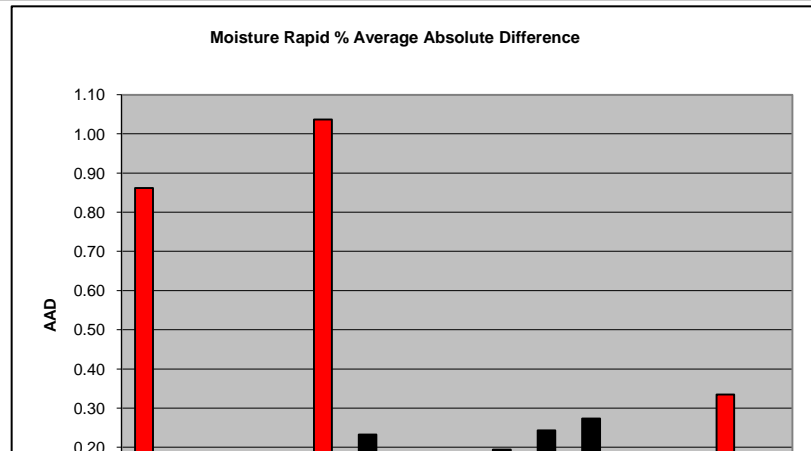
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.35	0.08	5.43	0.04	6.90	0.25	0.12	0.12
C								
D	6.09	-0.18	4.81	-0.58	6.03	-0.63	-0.46	0.46
E	6.48	0.21	6.94	1.55	5.65	-1.01	0.25	0.92
F	6.22	-0.05	5.51	0.12	6.79	0.14	0.07	0.10
G	6.02	-0.25	5.13	-0.26	6.65	0.00	-0.17	0.17
H	6.65	0.38	5.45	0.06	6.95	0.30	0.25	0.25
I	6.55	0.28	5.29	-0.10	6.86	0.20	0.13	0.19
J	6.32	0.05	5.33	-0.06	6.86	0.20	0.07	0.10



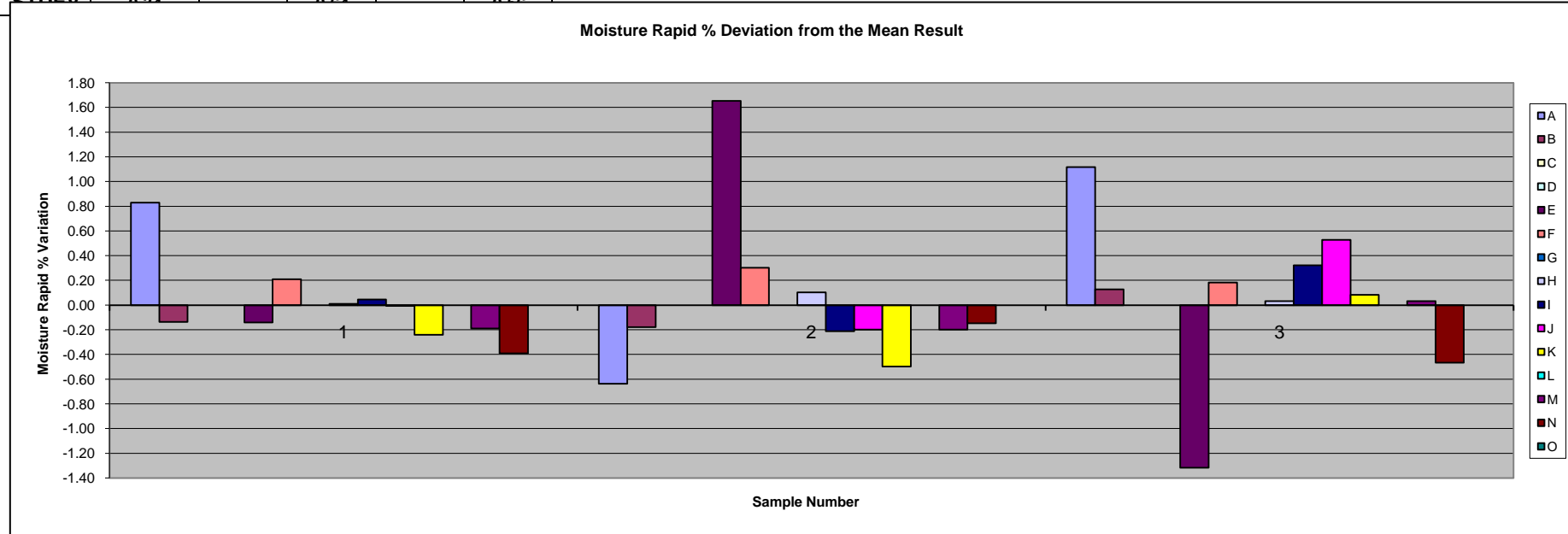
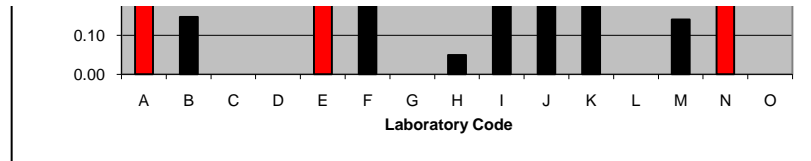
K	6.18	-0.09	5.16	-0.23	6.73	0.07	-0.08	0.13
L	6.15	-0.12	5.15	-0.24	6.68	0.02	-0.11	0.13
M	6.39	0.12	5.47	0.08	6.85	0.19	0.13	0.13
N	5.65	-0.62	5.00	-0.39	6.30	-0.36	-0.45	0.45
O								
MEAN	6.27		5.39		6.66			0.26
STDEV	0.28		0.53		0.28			



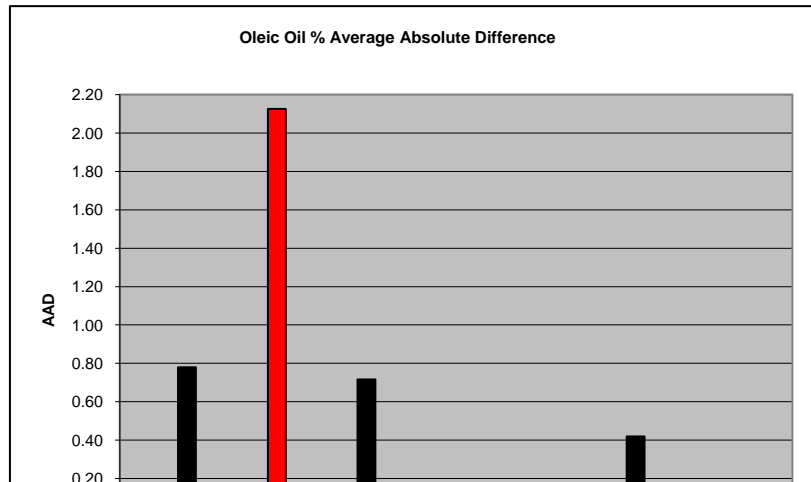
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	7.17	0.83	4.81	-0.64	7.94	1.12	0.44	0.86
B	6.21	-0.13	5.27	-0.18	6.95	0.13	-0.06	0.15
C								
D								
E	6.20	-0.14	7.10	1.65	5.50	-1.32	0.07	1.04
F	6.55	0.21	5.75	0.30	7.00	0.18	0.23	0.23
G								
H	6.35	0.01	5.55	0.10	6.85	0.03	0.05	0.05
I	6.39	0.05	5.24	-0.21	7.14	0.32	0.05	0.19
J	6.34	0.00	5.25	-0.20	7.35	0.53	0.11	0.24
K	6.10	-0.24	4.95	-0.50	6.90	0.08	-0.22	0.27



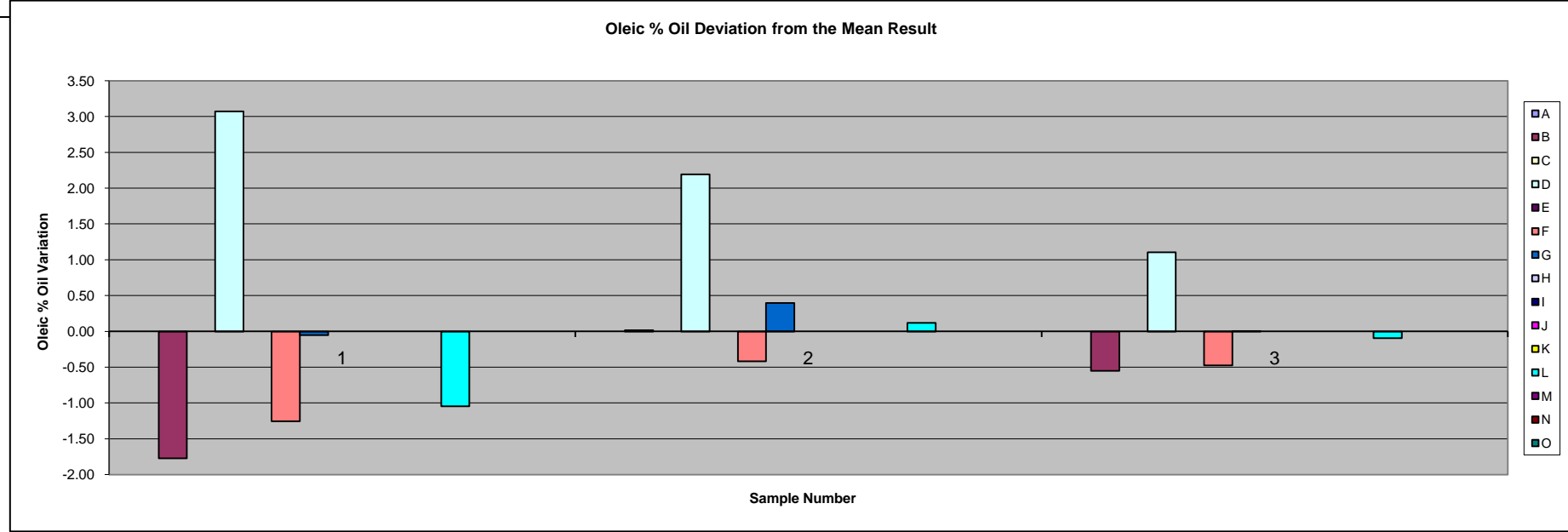
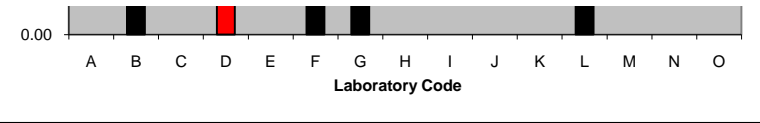
L								
M	6.15	-0.19	5.25	-0.20	6.85	0.03	-0.12	0.14
N	5.95	-0.39	5.30	-0.15	6.35	-0.47	-0.33	0.33
O								
MEAN	6.34		5.45		6.82			0.35
STDEV	0.24		0.24		0.56			



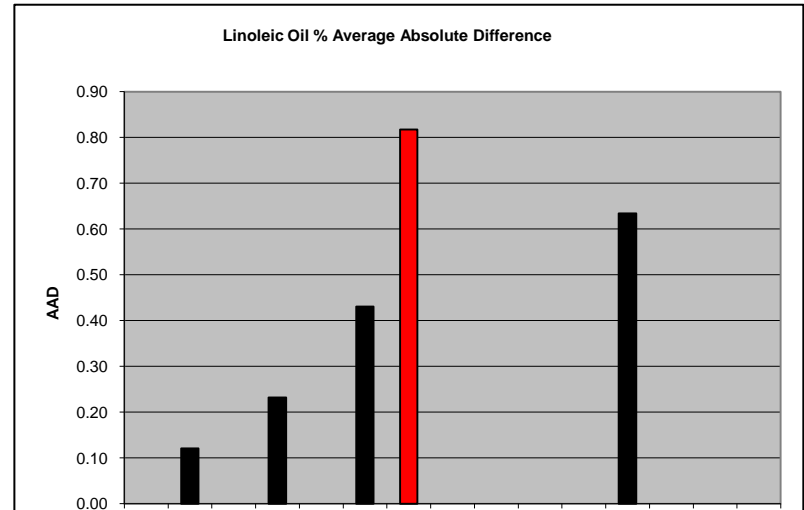
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	55.54	-1.77	59.44	0.02	58.23	-0.55	-0.77	0.78
C								
D	60.38	3.08	61.61	2.19	59.88	1.11	2.13	2.13
E								
F	56.05	-1.26	59.00	-0.42	58.30	-0.47	-0.71	0.71
G	57.26	-0.05	59.82	0.40	58.78	0.01	0.12	0.15
H								
I								
J								
K								
L	56.26	-1.04	59.54	0.12	58.68	-0.09	-0.34	0.42



M								
N								
O								
MEAN	57.31		59.42		58.77			0.84

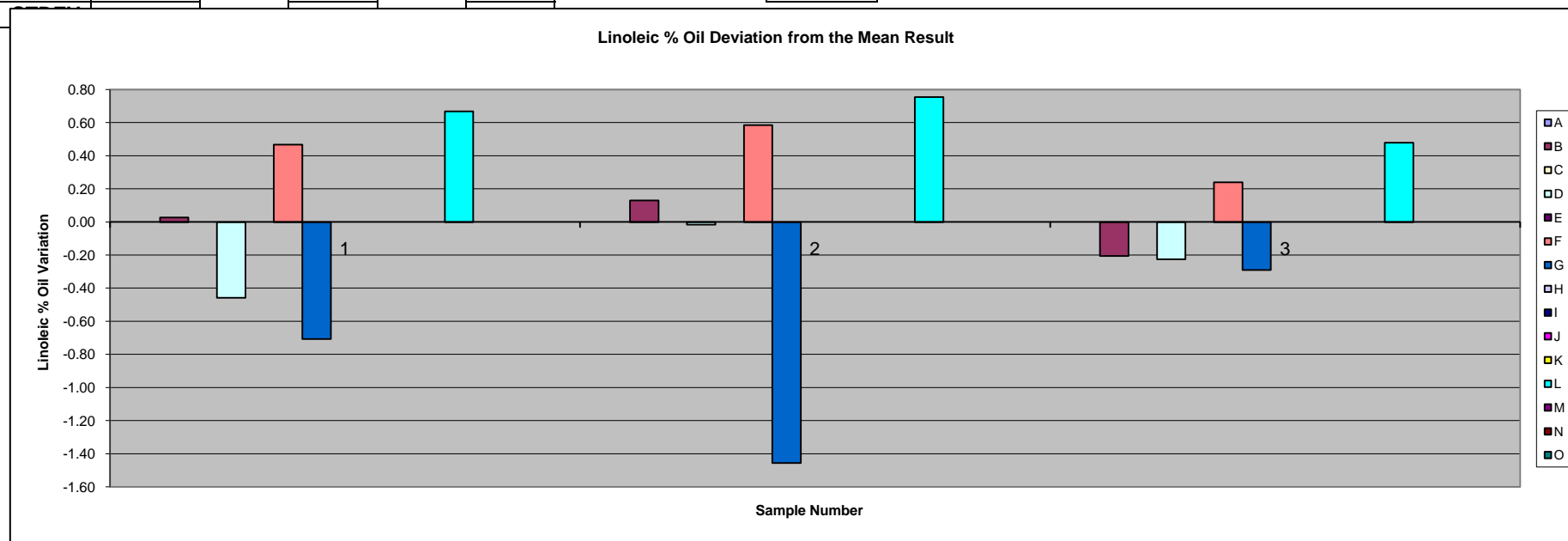


Linoleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	21.96	0.03	20.10	0.13	20.91	-0.21	-0.02	0.12
C								
D	21.48	-0.46	19.95	-0.01	20.89	-0.23	-0.23	0.23
E								
F	22.40	0.47	20.55	0.59	21.35	0.24	0.43	0.43
G	21.23	-0.71	18.51	-1.46	20.82	-0.29	-0.82	0.82
H								
I								
J								
K								
L	22.60	0.67	20.72	0.76	21.59	0.48	0.63	0.63
M								

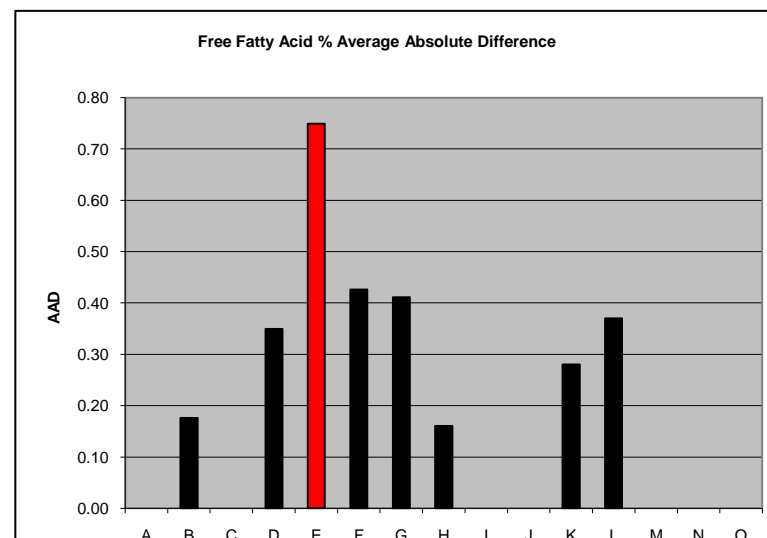


N							
O							
MEAN	21.93	19.97	21.11			0.45	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Laboratory Code														



Free Fatty Acid % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	0.12	-0.11	0.54	-0.15	0.18	-0.22	-0.16	0.18
C								
D	0.30	0.06	0.79	0.10	0.26	-0.14	0.01	0.35
E	0.31	0.07	0.39	-0.30	1.52	1.12	0.30	0.75
F	0.21	-0.02	0.96	0.27	0.27	-0.13	0.04	0.43
G	0.28	0.04	0.86	0.17	0.32	-0.08	0.04	0.41
H	0.12	-0.11	0.55	-0.14	0.11	-0.29	-0.18	0.16
I								
J								
K	0.15	-0.08	0.67	-0.02	0.23	-0.17	-0.09	0.28
L	0.39	0.15	0.74	0.05	0.32	-0.08	0.04	0.37
M								
N								



O							
MEAN	0.23		0.69		0.40		0.37

Laboratory Code

