



Result Receival Dates

	JULY
Lab Code	
I	27-Jun-08
M	03-Jul-08
N	08-Jul-08
K	10-Jul-08
L	10-Jul-08
A	14-Jul-08
E	15-Jul-08
B	22-Jul-08
F	25-Jul-08
G	28-Jul-08
D	30-Jul-08
H	30-Jul-08
O	30-Jul-08
J	31-Jul-08
C	05-Aug-08

**Just a reminder to get results in promptly*

Discussion of Results

Test Weight

Lab G submitted high outliers recording at least 3.30 for all three samples. Lab F also submitted high results with mean differences of at least 1.00 produced for all three samples including an outlier recording 2.32 for sample 3. Lab E was the best performer this round producing an average absolute difference of 0.07.

Impurities

Lab G submitted significantly far from the mean for all three samples to produce the highest average absolute difference of 0.63.

Oil Rapid

Labs A and B submitted outliers recording 2.22 and 1.65 for sample 3. These two labs also submitted significantly high results of around 1.00% from the mean for samples 1 and 2 as well as producing the highest average absolute differences for Oil Rapid.



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Oil Solvent

Lab G produced outliers for all three samples, generating a considerably high average absolute difference of 6.14. Note that results produced for Oil Solvent for lab G were significantly lower than that submitted for the other Oil methods.

Oil Solvent (AOCS Method Am 2-93)

Lab C produced the highest average absolute difference of 1.29. This was mainly due the lab producing an outlier for sample 2 recording a mean difference of -2.10.

Oil SFE

Only lab J submitted results for Oil SFE this round.

Moisture Oven

Lab D submitted significantly low results for all three samples this round with outliers produced for samples 2 and 3. Lab M achieved the best results to achieve a low average absolute difference of 0.06.

Moisture Rapid

Fairly good results were received overall for Moisture Rapid. Lab A submitted significantly lower than the mean for samples 1 and 3 but achieved a good result with a difference of only 0.05 for sample 2.

Oleic Oil

Lab B continues to produce outliers for Oleic Oil with outliers recording 1.90 and -4.99 produced for samples 1 and 2. The result produced for sample 3 was also significantly far from the mean recording a mean difference of -1.33. Lab G submitted an outlier for sample 3 recording a mean difference of -4.02. The lab however submitted fairly accurate results for samples 1 and 2 suggesting the error causing the outlier seen for sample 3 was restricted to that particular sample and not the actual method.

Linoleic Oil

Similarly to that seen for Oleic Oil, lab B also produced outliers for samples 1 and 2 suggesting sampling or preparation error. Good results were achieved by the remaining participants.

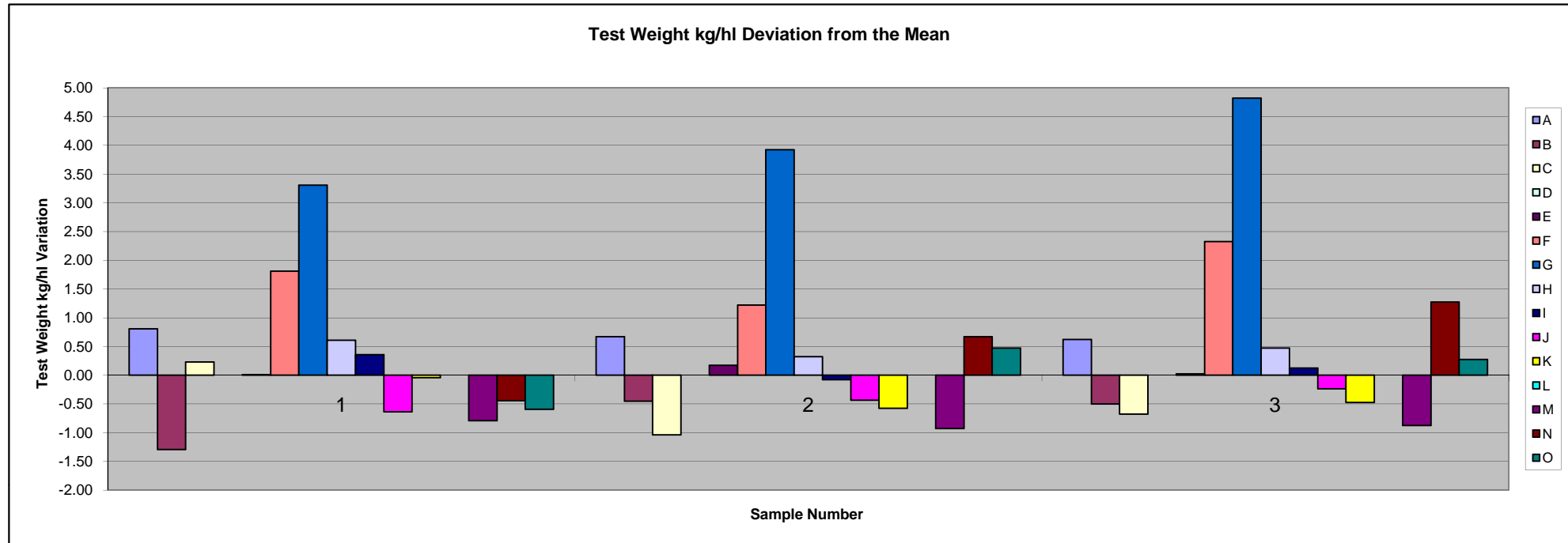
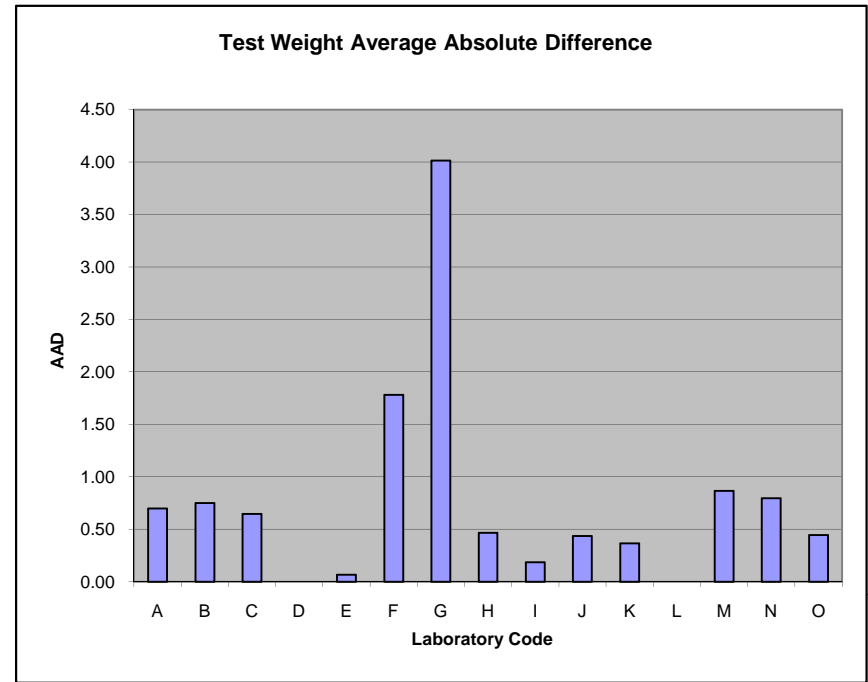
Free Fatty Acid

Excellent results were obtained for Free Fatty Acid with all labs submitting within +/-0.20 from the mean for all three samples. Well done.

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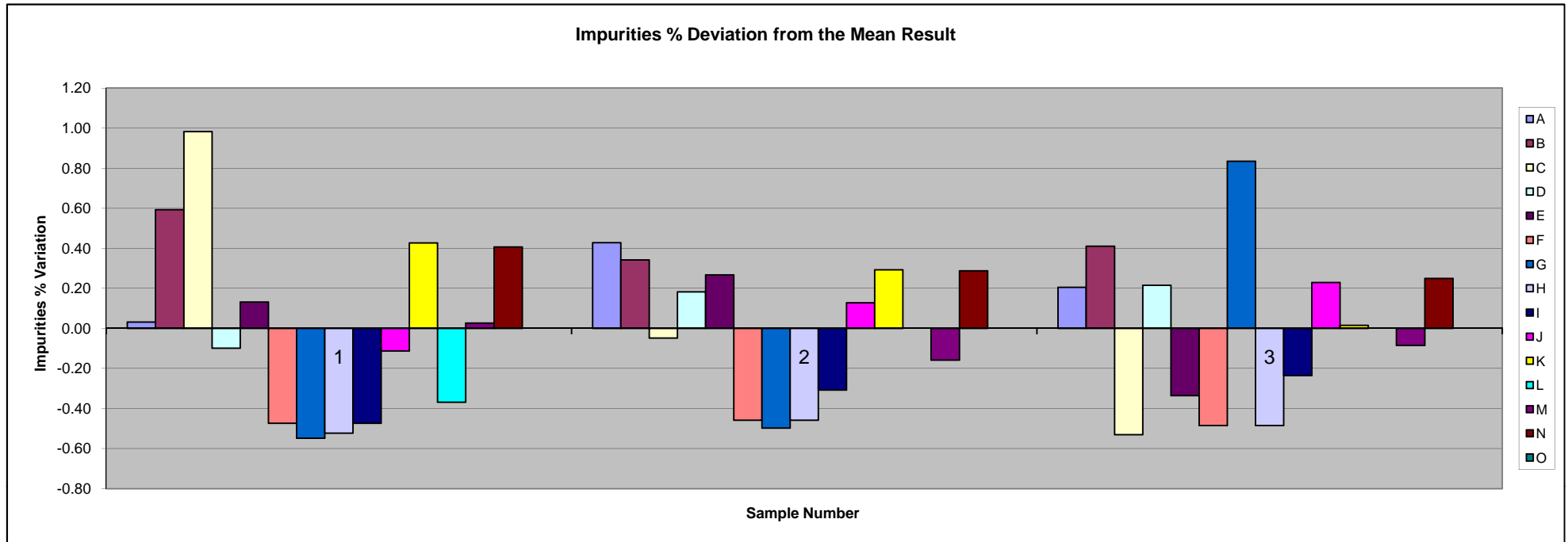
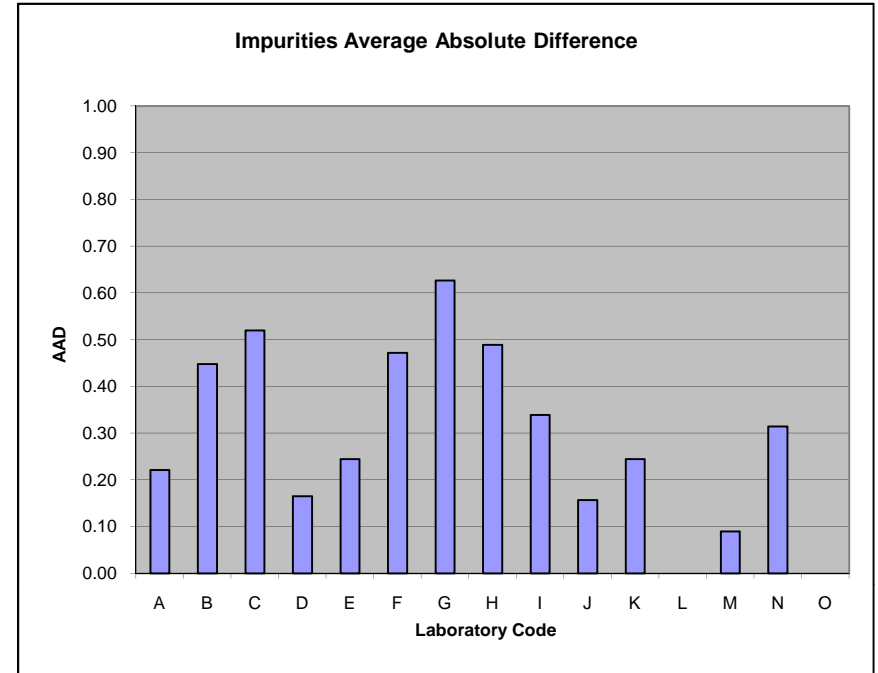
Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	69.10	0.81	68.50	0.67	69.00	0.62	0.70	0.70
B	67.00	-1.29	67.38	-0.45	67.88	-0.50	-0.75	0.75
C	68.52	0.23	66.79	-1.04	67.70	-0.68	-0.50	0.65
D								
E	68.30	0.01	68.00	0.17	68.40	0.02	0.07	0.07
F	70.10	1.81	69.05	1.22	70.70	2.32	1.78	1.78
G	71.60	3.31	71.75	3.92	73.20	4.82	4.02	4.02
H	68.90	0.61	68.15	0.32	68.85	0.47	0.47	0.47
I	68.65	0.36	67.75	-0.08	68.50	0.12	0.13	0.19
J	67.66	-0.64	67.40	-0.44	68.14	-0.24	-0.44	0.44
K	68.25	-0.04	67.25	-0.58	67.90	-0.48	-0.37	0.37
L								
M	67.50	-0.79	66.90	-0.93	67.50	-0.88	-0.87	0.87
N	67.85	-0.44	68.50	0.67	69.65	1.27	0.50	0.80
O	67.70	-0.59	68.30	0.47	68.65	0.27	0.05	0.45
MEAN	68.29		67.83		68.38			0.89
STDEV	0.84		0.70		0.64			



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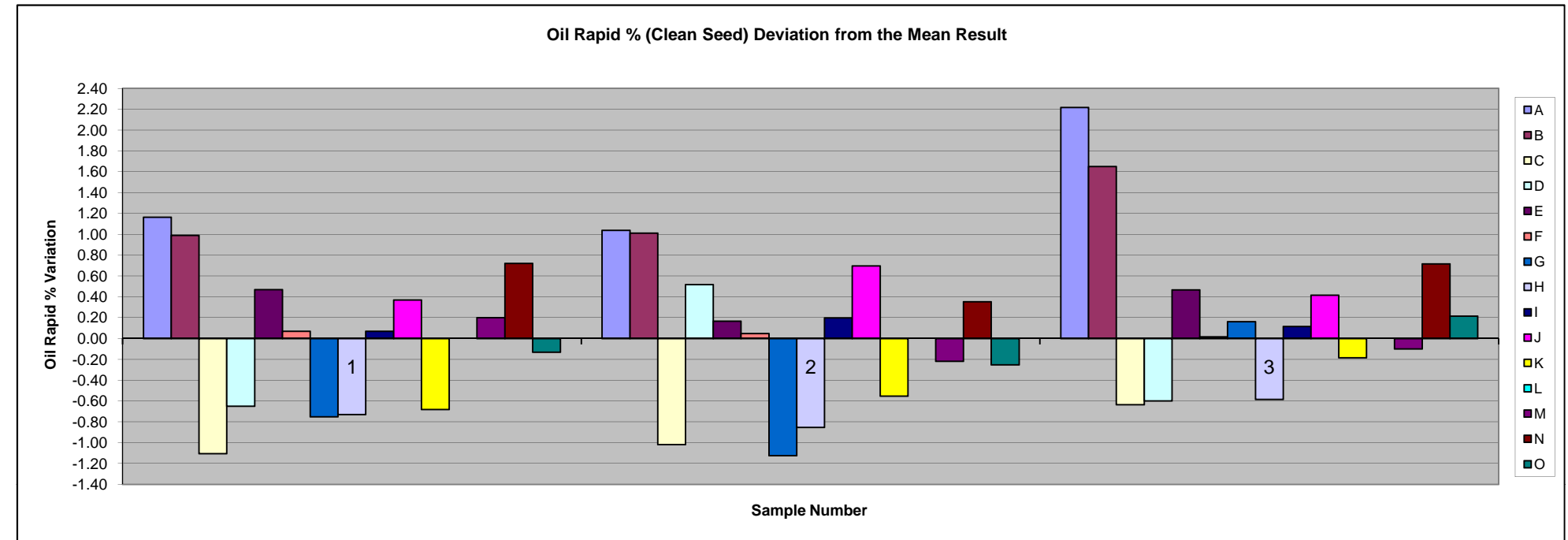
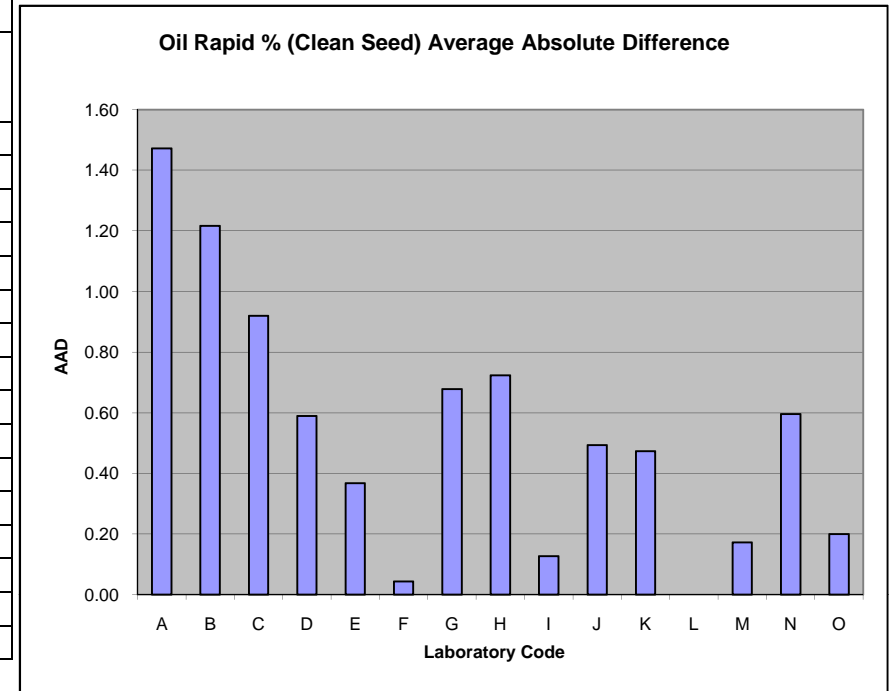
Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.16	0.03	1.49	0.43	1.04	0.20	0.22	0.22
B	1.72	0.59	1.40	0.34	1.25	0.41	0.45	0.45
C	2.11	0.98	1.01	-0.05	0.31	-0.53	0.13	0.52
D	1.03	-0.10	1.24	0.18	1.05	0.21	0.10	0.17
E	1.26	0.13	1.33	0.27	0.50	-0.34	0.02	0.24
F	0.65	-0.47	0.60	-0.46	0.35	-0.49	-0.47	0.47
G	0.58	-0.55	0.56	-0.50	1.67	0.83	-0.07	0.63
H	0.60	-0.52	0.60	-0.46	0.35	-0.49	-0.49	0.49
I	0.65	-0.47	0.75	-0.31	0.60	-0.24	-0.34	0.34
J	1.01	-0.11	1.19	0.13	1.07	0.23	0.08	0.16
K	1.55	0.43	1.35	0.29	0.85	0.01	0.24	0.24
L	0.76	-0.37						
M	1.15	0.03	0.90	-0.16	0.75	-0.09	-0.07	0.09
N	1.53	0.41	1.35	0.29	1.09	0.25	0.31	0.31
O								
MEAN	1.12		1.06		0.84			0.33
STDEV	0.47		0.34		0.41			



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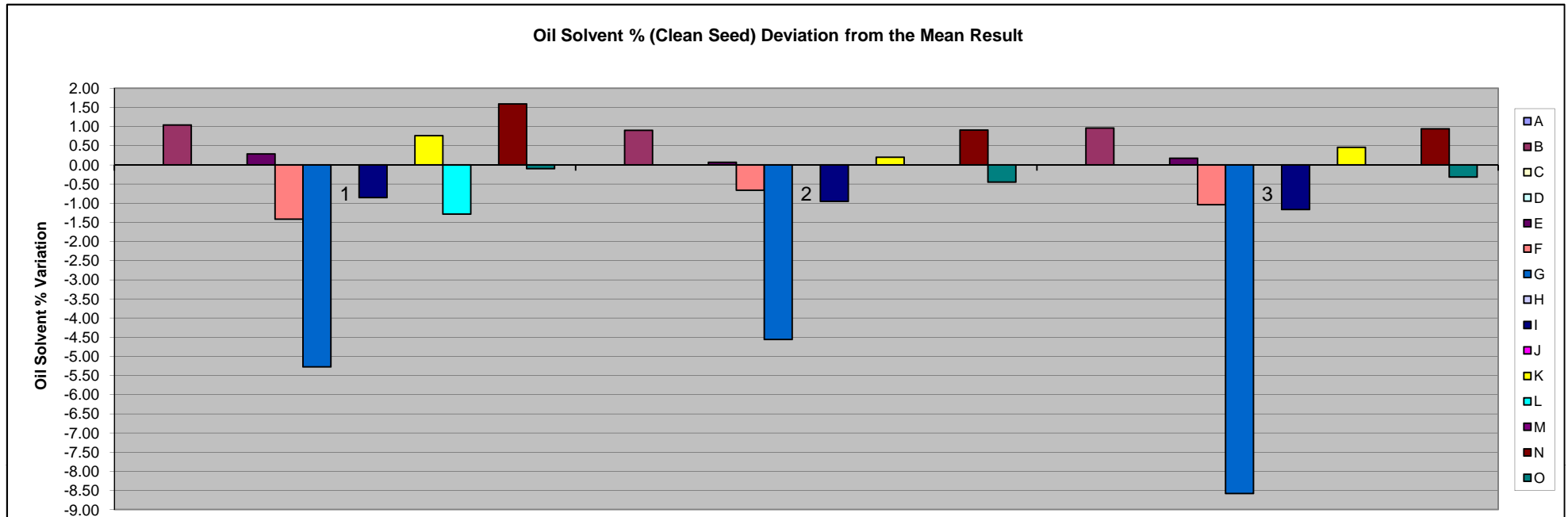
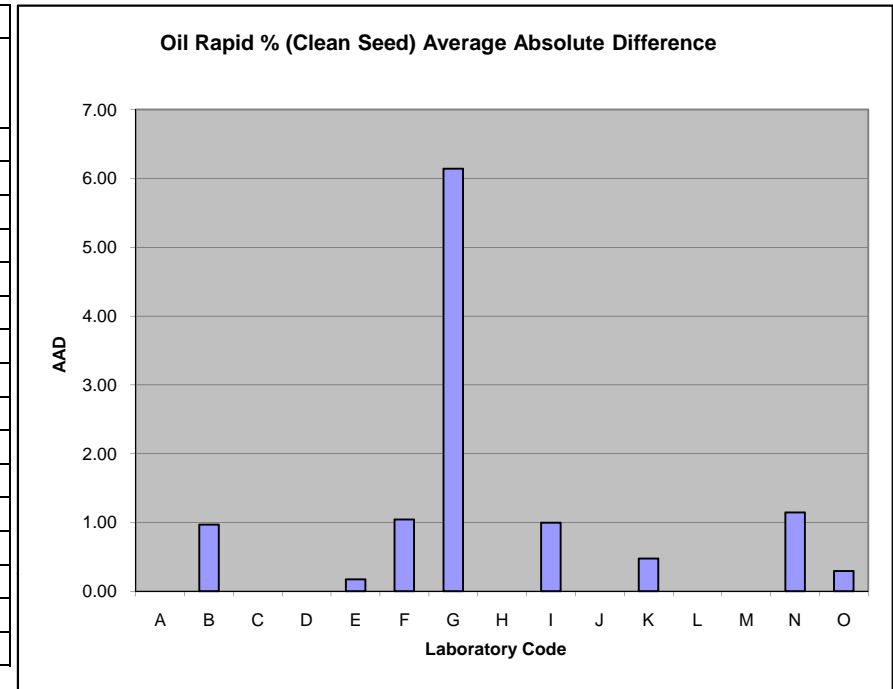
Round 8 Summary

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	41.70	1.16	45.54	1.04	44.50	2.22	1.47	1.47
B	41.52	0.99	45.52	1.01	43.94	1.65	1.22	1.22
C	39.43	-1.11	43.49	-1.02	41.65	-0.63	-0.92	0.92
D	39.88	-0.65	45.02	0.52	41.69	-0.60	-0.24	0.59
E	41.00	0.47	44.67	0.17	42.75	0.47	0.37	0.37
F	40.60	0.07	44.55	0.05	42.30	0.02	0.04	0.04
G	39.78	-0.75	43.38	-1.12	42.45	0.16	-0.57	0.68
H	39.80	-0.73	43.65	-0.85	41.70	-0.58	-0.72	0.72
I	40.60	0.07	44.70	0.20	42.40	0.12	0.13	0.13
J	40.90	0.37	45.20	0.70	42.70	0.42	0.49	0.49
K	39.85	-0.68	43.95	-0.55	42.10	-0.18	-0.47	0.47
L								
M	40.73	0.20	44.29	-0.22	42.19	-0.10	-0.04	0.17
N	41.25	0.72	44.86	0.35	43.00	0.72	0.60	0.60
O	40.40	-0.13	44.25	-0.25	42.50	0.22	-0.06	0.20
MEAN	40.53		44.50		42.28			0.58
STDEV	0.71		0.71		0.44			



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Round 8 Summary**

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	41.64	1.04	45.41	0.90	43.73	0.96	0.97	0.97
C								
D								
E	40.89	0.29	44.57	0.07	42.94	0.17	0.17	0.17
F	39.19	-1.42	43.84	-0.66	41.73	-1.04	-1.04	1.04
G	35.33	-5.27	39.94	-4.56	34.19	-8.58	-6.14	6.14
H								
I	39.75	-0.86	43.55	-0.96	41.61	-1.17	-0.99	0.99
J								
K	41.37	0.76	44.70	0.20	43.23	0.46	0.47	0.47
L	39.32	-1.29						
M								
N	42.19	1.59	45.41	0.91	43.71	0.94	1.14	1.14
O	40.50	-0.10	44.05	-0.45	42.45	-0.32	-0.29	0.29
MEAN	40.60		44.50		42.77			1.40
STDEV	1.11		0.74		0.87			

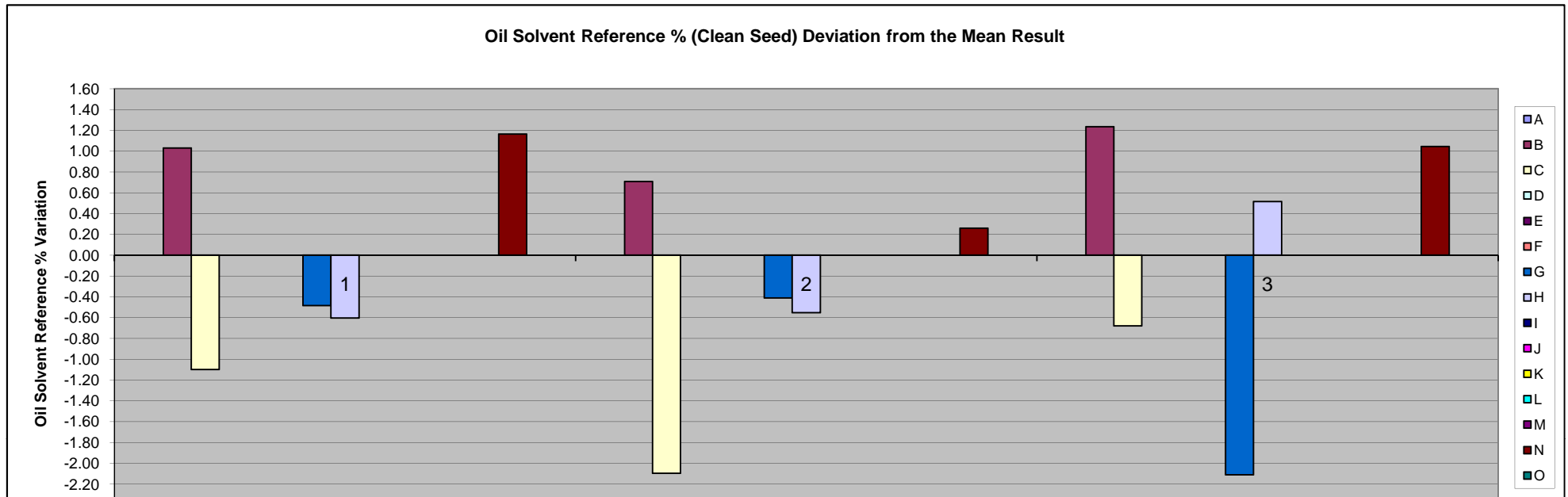
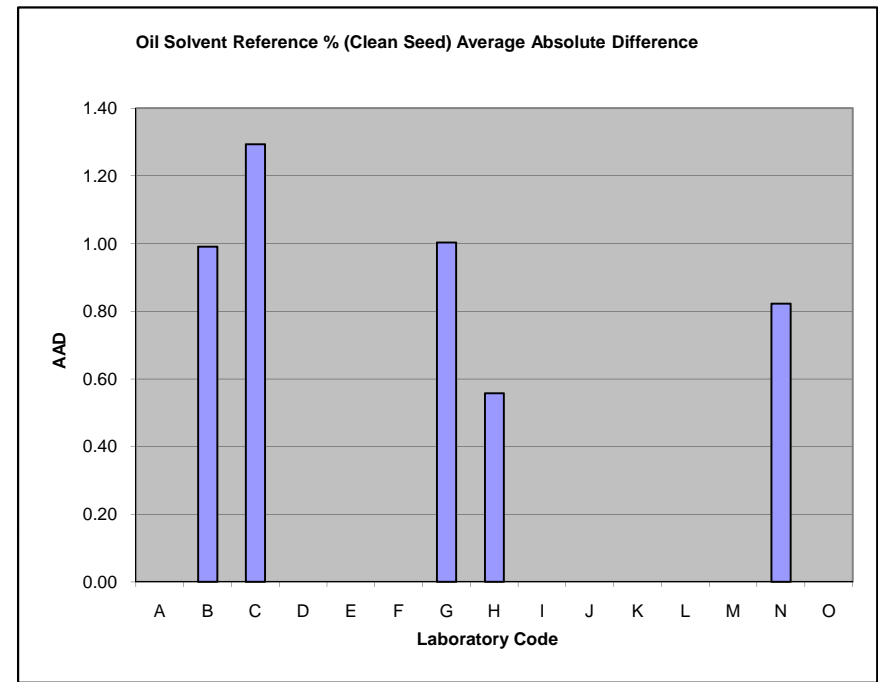


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Sample Number

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	41.99	1.03	45.71	0.71	43.92	1.23	0.99	0.99	
C	39.86	-1.10	42.91	-2.10	42.01	-0.68	-1.29	1.29	
D									
E									
F									
G	40.47	-0.49	44.59	-0.41	40.58	-2.11	-1.00	1.00	
H	40.35	-0.61	44.45	-0.55	43.20	0.51	-0.21	0.56	
I									
J									
K									
L									
M									
N	42.12	1.16	45.26	0.26	43.73	1.04	0.82	0.82	
O									
MEAN	40.96		45.00		42.69			0.93	
STDEV	1.03		0.59		1.40				

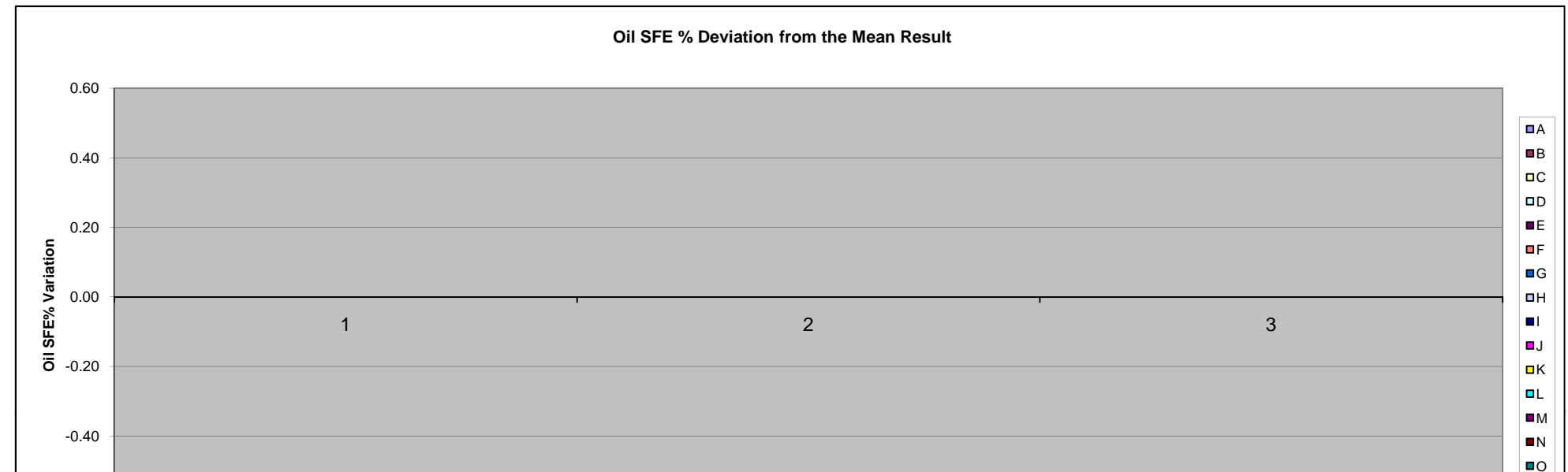
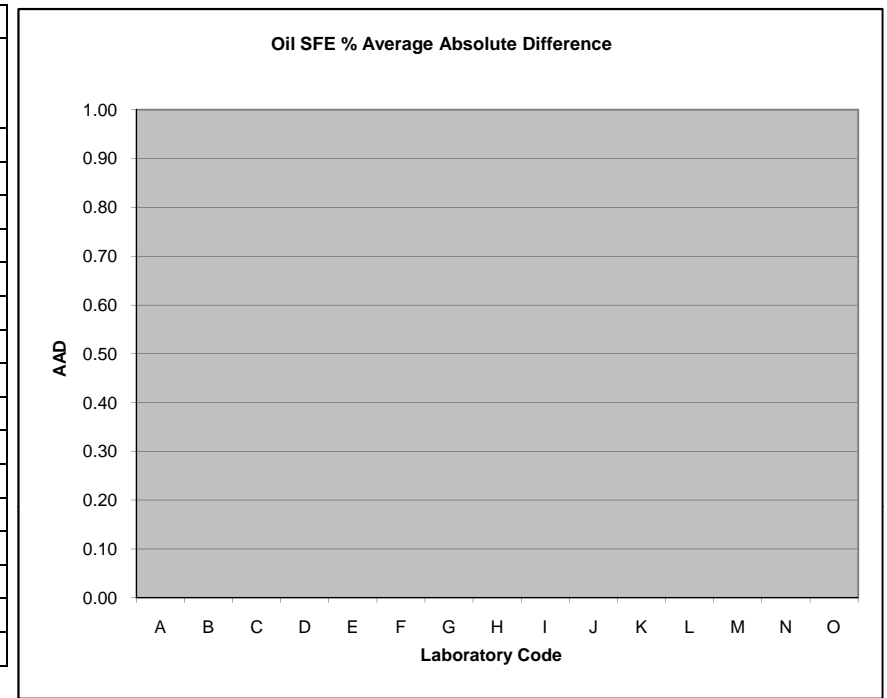


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-2.40

Sample Number

Oil SFE% 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								
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!			#DIV/0!

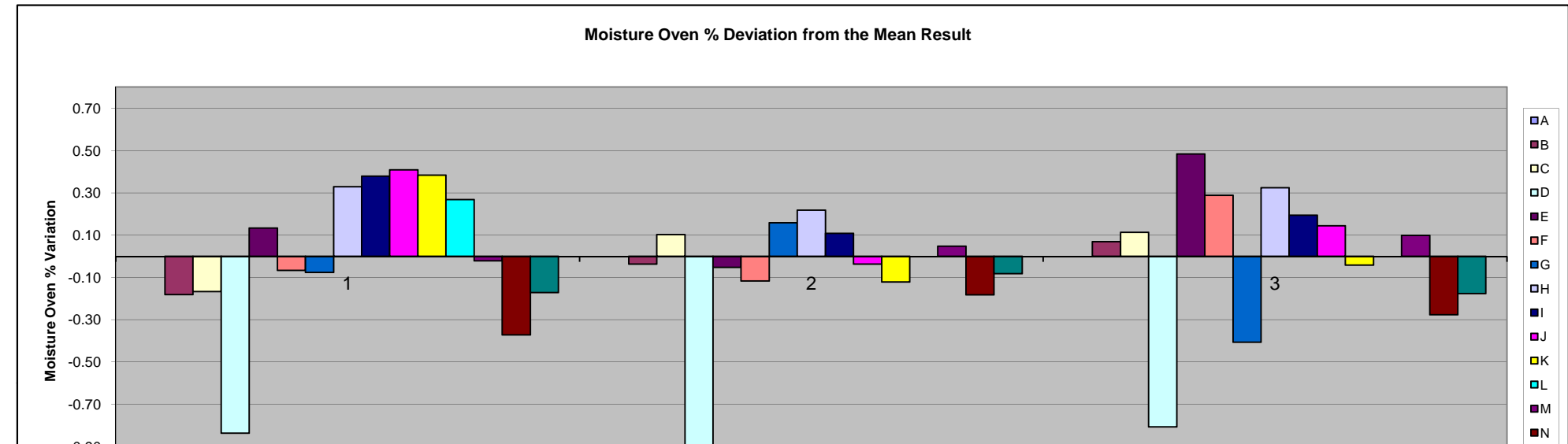
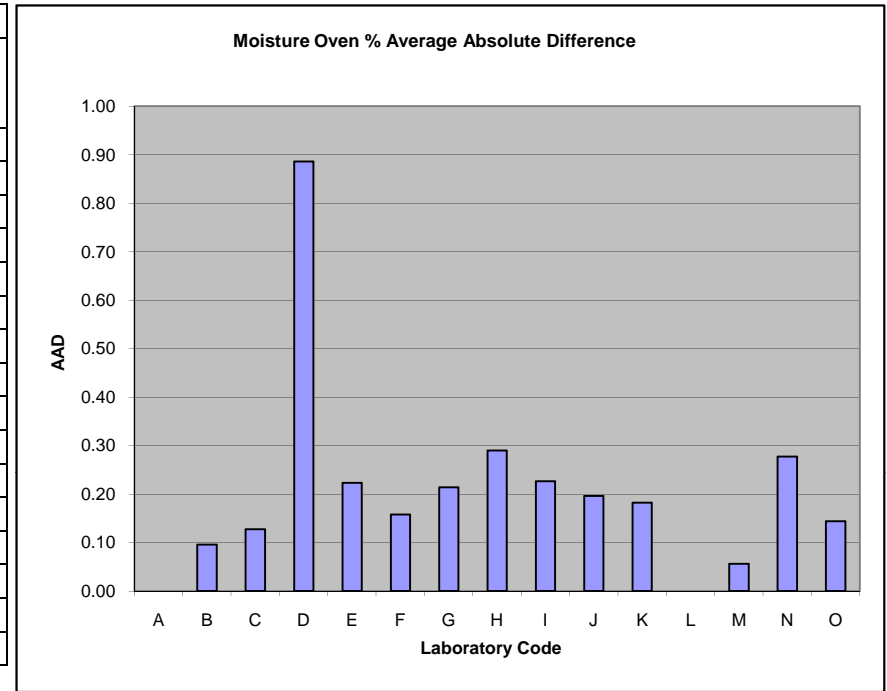


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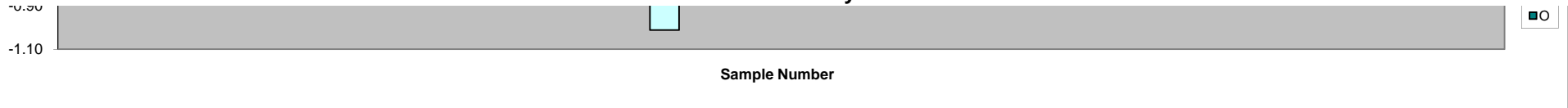
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Sample Number

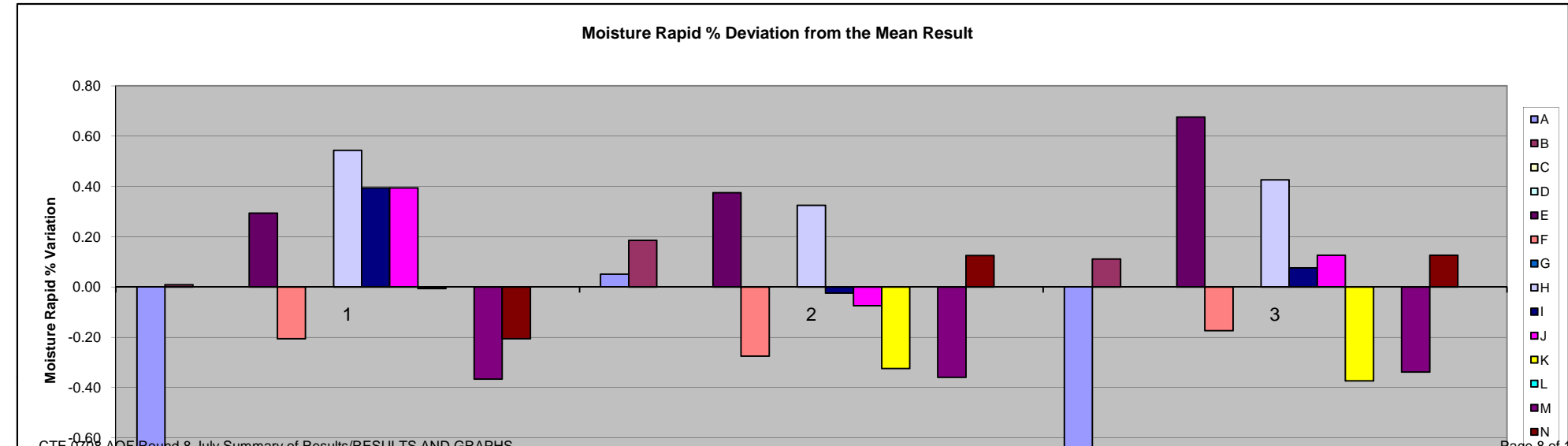
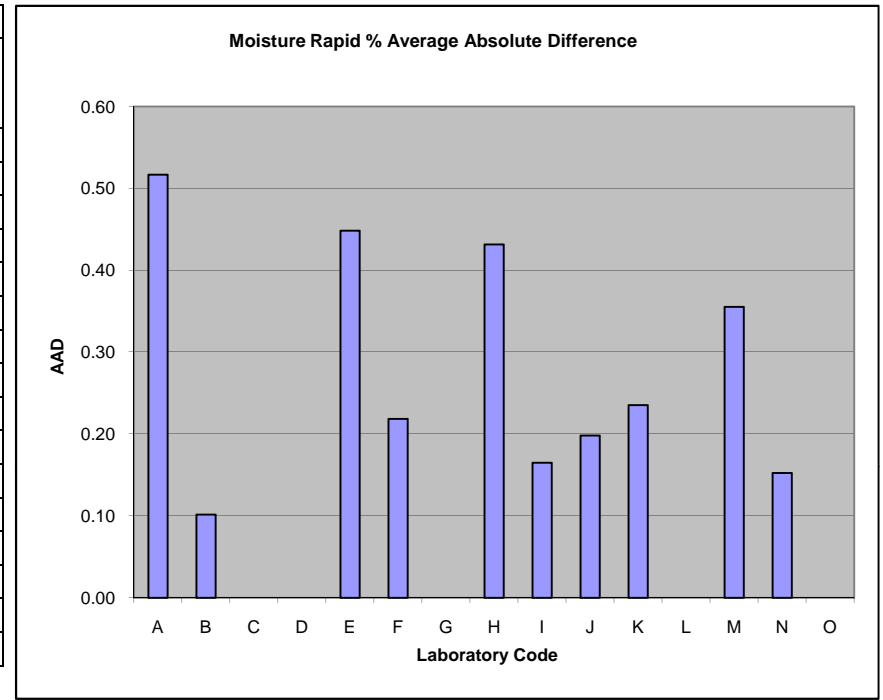
Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	5.09	-0.18	5.75	-0.04	5.35	0.07	-0.05	0.10
C	5.11	-0.17	5.89	0.10	5.39	0.11	0.02	0.13
D	4.44	-0.84	4.77	-1.01	4.47	-0.81	-0.89	0.89
E	5.41	0.13	5.73	-0.05	5.76	0.48	0.19	0.22
F	5.21	-0.07	5.67	-0.12	5.57	0.29	0.03	0.16
G	5.20	-0.08	5.94	0.16	4.87	-0.41	-0.11	0.21
H	5.60	0.33	6.00	0.22	5.60	0.32	0.29	0.29
I	5.65	0.38	5.89	0.11	5.47	0.19	0.23	0.23
J	5.68	0.41	5.75	-0.04	5.42	0.14	0.17	0.20
K	5.66	0.38	5.66	-0.12	5.24	-0.04	0.07	0.18
L	5.54	0.27						
M	5.25	-0.02	5.83	0.05	5.38	0.10	0.04	0.06
N	4.90	-0.37	5.60	-0.18	5.00	-0.28	-0.28	0.28
O	5.10	-0.17	5.70	-0.08	5.10	-0.18	-0.14	0.14
MEAN	5.27		5.78		5.28			0.24
STDEV	0.35		0.12		0.35			



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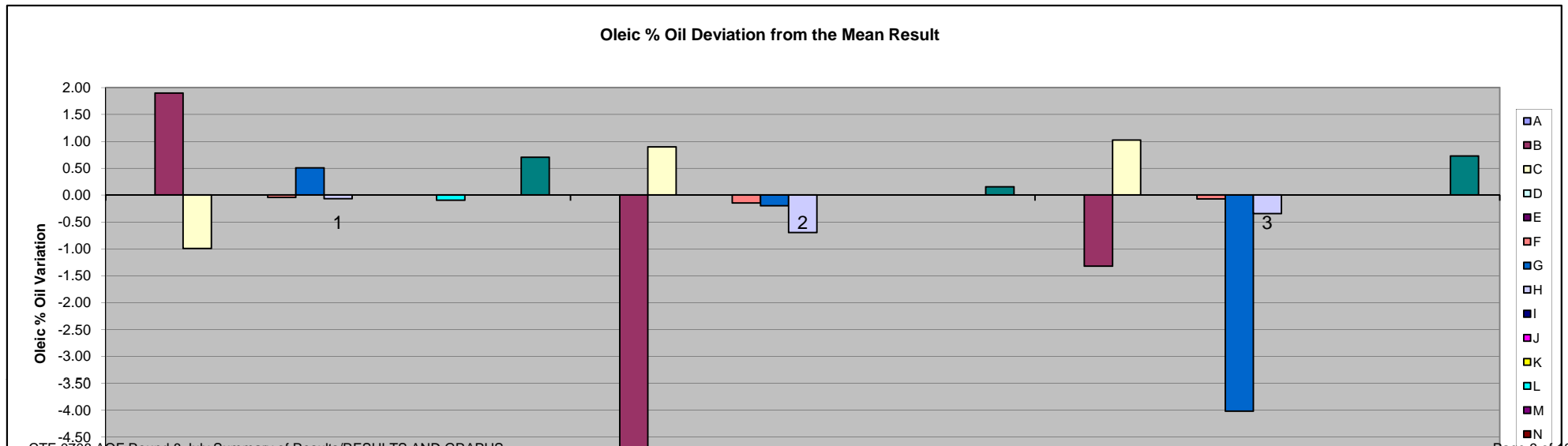
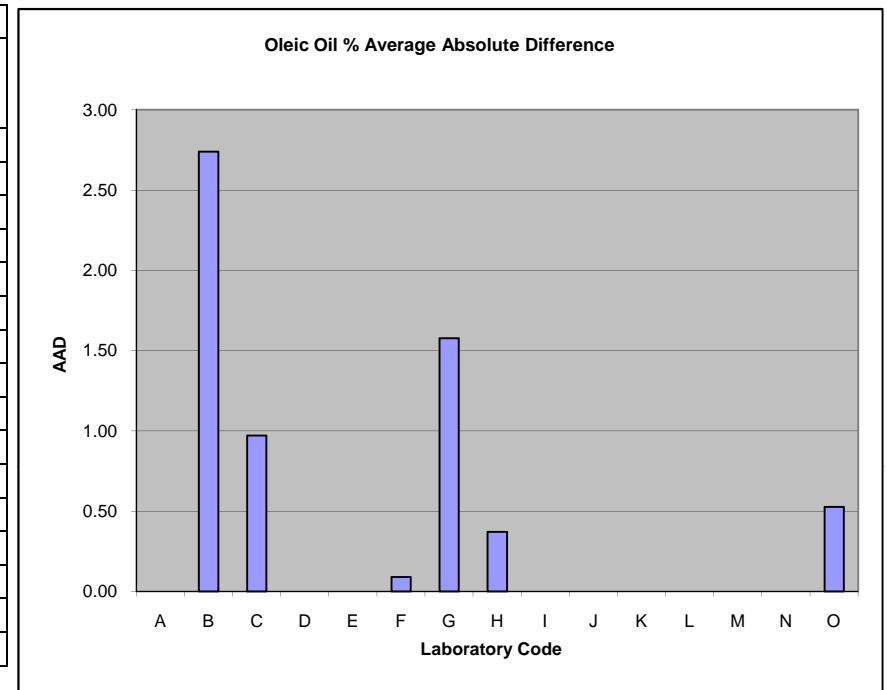
Moisture Rapid % Deviation from the Mean								
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	4.36	-0.85	5.73	0.05	4.62	-0.65	-0.48	0.52
B	5.22	0.01	5.86	0.19	5.39	0.11	0.10	0.10
C								
D								
E	5.50	0.29	6.05	0.38	5.95	0.68	0.45	0.45
F	5.00	-0.21	5.40	-0.27	5.10	-0.17	-0.22	0.22
G								
H	5.75	0.54	6.00	0.33	5.70	0.43	0.43	0.43
I	5.60	0.39	5.65	-0.02	5.35	0.08	0.15	0.16
J	5.60	0.39	5.60	-0.07	5.40	0.13	0.15	0.20
K	5.20	-0.01	5.35	-0.32	4.90	-0.37	-0.24	0.24
L								
M	4.84	-0.37	5.32	-0.36	4.94	-0.34	-0.36	0.36
N	5.00	-0.21	5.80	0.13	5.40	0.13	0.01	0.15
O								
MEAN	5.21		5.68		5.27			0.28
STDEV	0.43		0.26		0.39			



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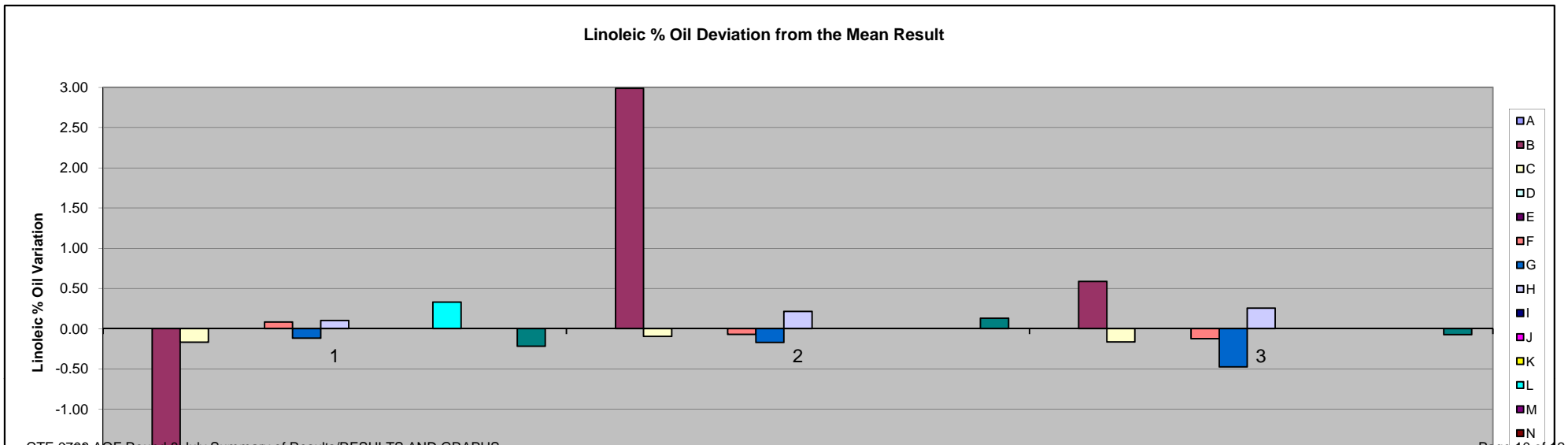
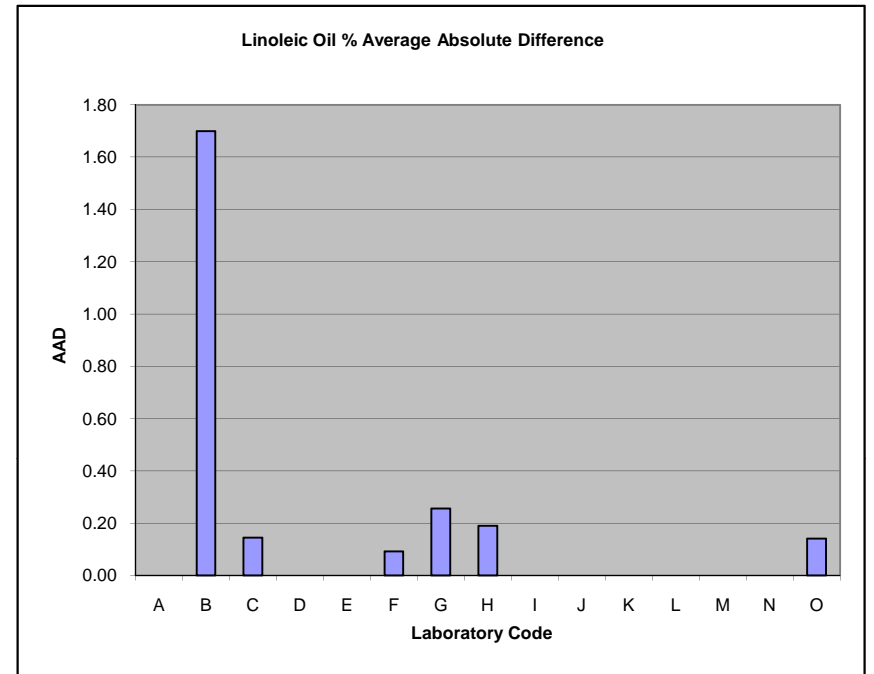
Oleic % Oil Deviation from the Mean								
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	59.60	1.90	56.26	-4.99	57.60	-1.33	-1.47	2.74
C	56.70	-1.00	62.15	0.90	59.95	1.02	0.31	0.97
D								
E								
F	57.65	-0.05	61.10	-0.15	58.85	-0.07	-0.09	0.09
G	58.20	0.50	61.05	-0.20	54.90	-4.02	-1.24	1.58
H	57.63	-0.07	60.55	-0.70	58.58	-0.34	-0.37	0.37
I								
J								
K								
L	57.60	-0.10						
M								
N								
O	58.40	0.70	61.40	0.15	59.65	0.73	0.53	0.53
MEAN	57.70		61.25		58.93			1.05
STDEV	0.59		0.59		0.93			



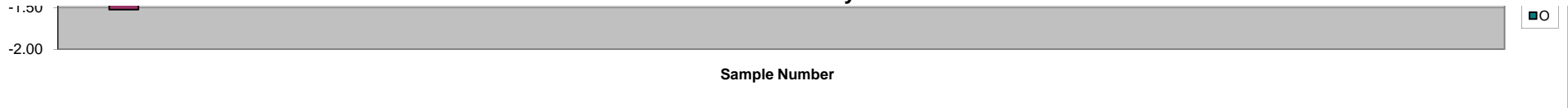
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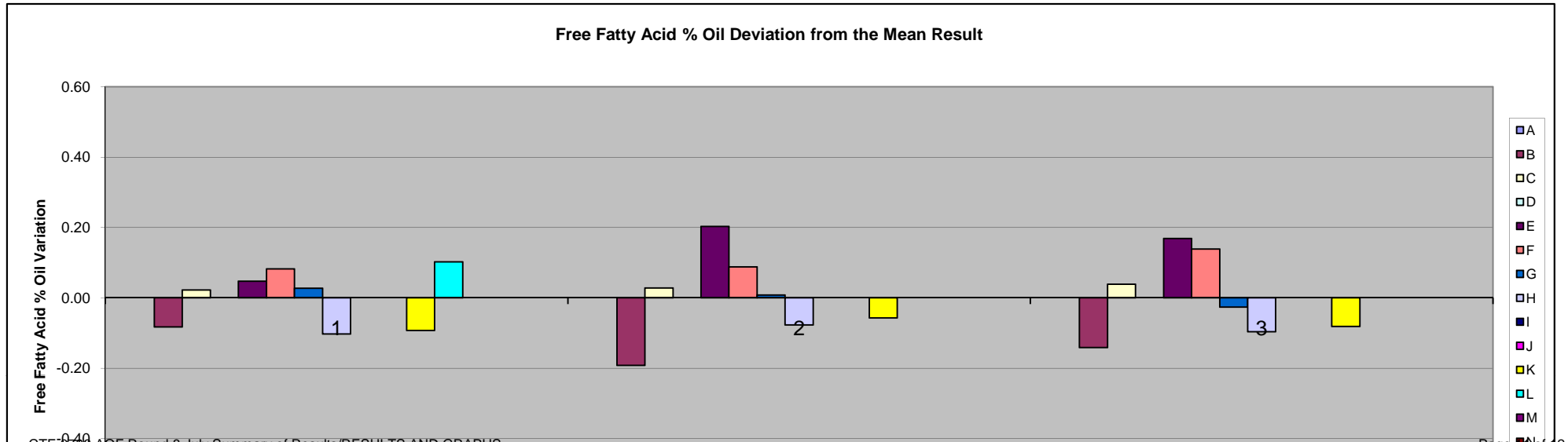
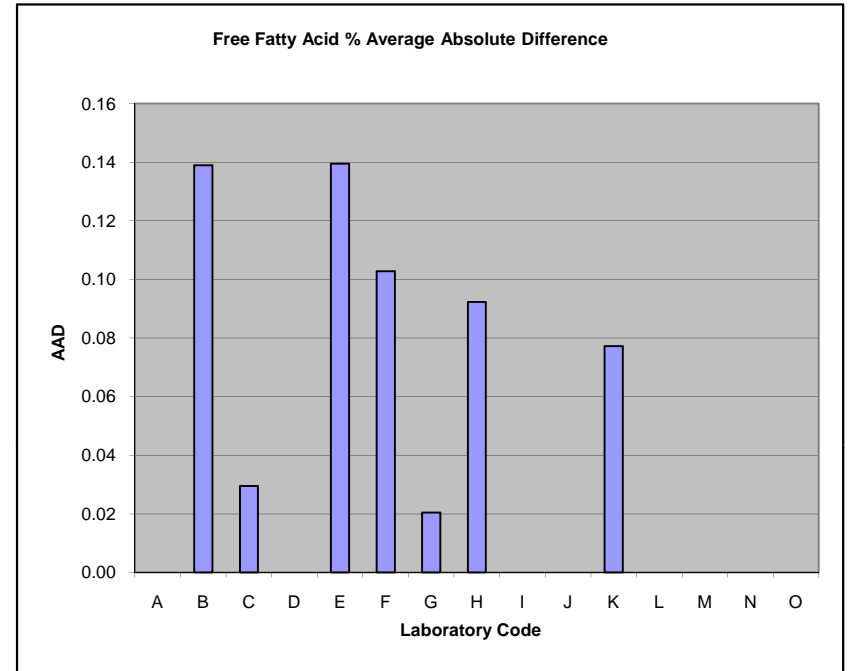
Linoleic % Oil Deviation from the Mean								
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	20.05	-1.53	22.41	2.99	21.36	0.59	0.68	1.70
C	21.40	-0.17	19.33	-0.10	20.61	-0.16	-0.14	0.14
D								
E								
F	21.65	0.08	19.35	-0.07	20.65	-0.13	-0.04	0.09
G	21.45	-0.12	19.25	-0.17	20.30	-0.48	-0.26	0.26
H	21.67	0.10	19.64	0.21	21.03	0.26	0.19	0.19
I								
J								
K								
L	21.90	0.33						
M								
N								
O	21.35	-0.22	19.55	0.13	20.70	-0.07	-0.06	0.14
MEAN	21.57		19.42		20.78			0.42
STDEV	0.21		0.16		0.37			



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Free Fatty Acid % Oil Deviation from the Mean								
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	0.24	-0.08	0.16	-0.19	0.23	-0.14	-0.14	0.14
C	0.35	0.02	0.38	0.03	0.41	0.04	0.03	0.03
D								
E	0.37	0.05	0.55	0.20	0.54	0.17	0.14	0.14
F	0.41	0.08	0.44	0.09	0.51	0.14	0.10	0.10
G	0.35	0.03	0.36	0.01	0.34	-0.03	0.00	0.02
H	0.22	-0.10	0.27	-0.08	0.27	-0.10	-0.09	0.09
I								
J								
K	0.23	-0.09	0.29	-0.06	0.29	-0.08	-0.08	0.08
L	0.43	0.10						
M								
N								
O								
MEAN	0.32		0.35		0.37			0.09
STDEV	0.08		0.13		0.12			



**AOF Test Check Program JULY 2007/2008
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