



2012 AOF Test Check Program
Monthly Report
Round 1
January 2012
01/01/2012 – 01/02/2012

Result Receiving Dates

Lab Code	Date
A	25/01/2012
B	27/01/2012
C	07/01/2012
D	31/01/2012
E	11/01/2012
F	24/01/2012
G	31/01/2012
H	31/01/2012
I	11/01/2012
J	13/01/2012
K	31/01/2012
L	16/01/2012
M	16/01/2012
N	-
O	-

Discussion of Results

Test Weight

Sample 1 – Two outliers were identified for Lab **C** with a 3.27 and Lab **G** with a 0.84 of a percent discrepancy from the lower (64.59%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Impurities

Sample 1 – One outlier was identified for Lab **G** with a 0.23 percent discrepancy from the lower (0.63%) quartile limit.

Sample 2 – One outlier was identified for Lab **B** with a 0.44 percent discrepancy from the upper (1.42%) quartile limit.

Sample 3 – One outlier was identified for Lab **B** with a 0.11 percent discrepancy from the upper (1.90%) quartile limit.



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Oil Rapid

Sample 1 – Outliers were identified for Lab **D** and **G**. Lab D results were 2.58 of a percent discrepancy from the lower (43.28%) quartile limit. Lab G results were 0.20 of a percent discrepancy from the upper (45.72%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Oil Solvent (ISO 659)

Sample 1 – One outlier was identified for Lab **G** with a 3.34 of a percent discrepancy from the lower (42.63%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Oil Solvent Reference (AOCS Method Am 2-93)

Sample 1 – One outlier was identified for Lab **G** with a 0.64 of a percent discrepancy from the lower (41.20%) quartile limit.

Sample 2 – One outlier was identified for Lab **K** with a 0.04 of a percent discrepancy from the lower (39.36%) quartile limit.

Sample 3 – One outlier was identified for Lab **C** with a 0.55 of a percent discrepancy from the upper (39.60%) quartile limit.

Moisture Oven

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **G** with a 0.14 of a percent discrepancy from the lower (5.22%) quartile limit.

Sample 3 – One outlier was identified for Lab **G** with a 0.94 of a percent discrepancy from the upper (5.10%) quartile limit.



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Moisture Rapid

Sample 1 – One outlier was identified for Lab **A** with a 0.03 of a percent discrepancy from the upper (6.57%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Oleic Oil

No outliers were observed.

Linoleic Oil

Sample 1 – One outlier was identified for Lab **H** with a 0.09 of a percent discrepancy from the upper (22.75%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Free Fatty Acid

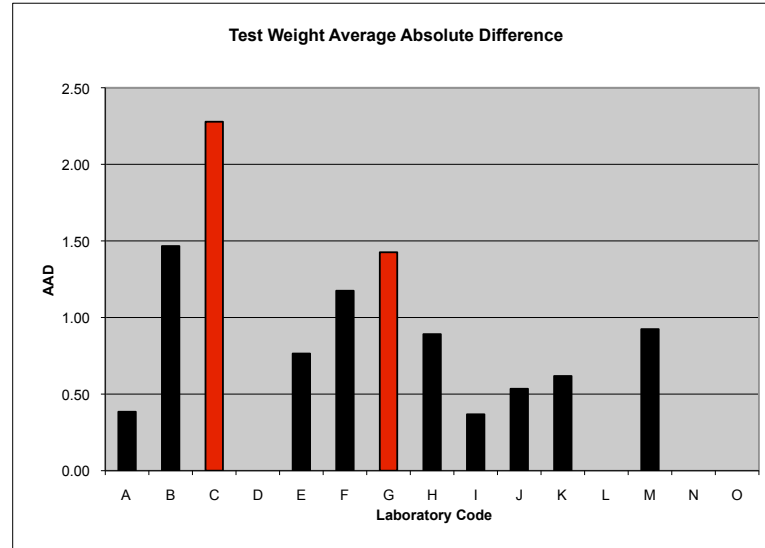
Sample 1 – One outlier was identified for Lab **F** with a 0.33 of a percent discrepancy from the upper (0.72%) quartile limit.

Sample 2 – One outlier was identified for Lab **F** with a 0.65 of a percent discrepancy from the upper (0.88%) quartile limit.

Sample 3 – One outlier was identified for Lab **F** on the upper quartile limit (0.55%).

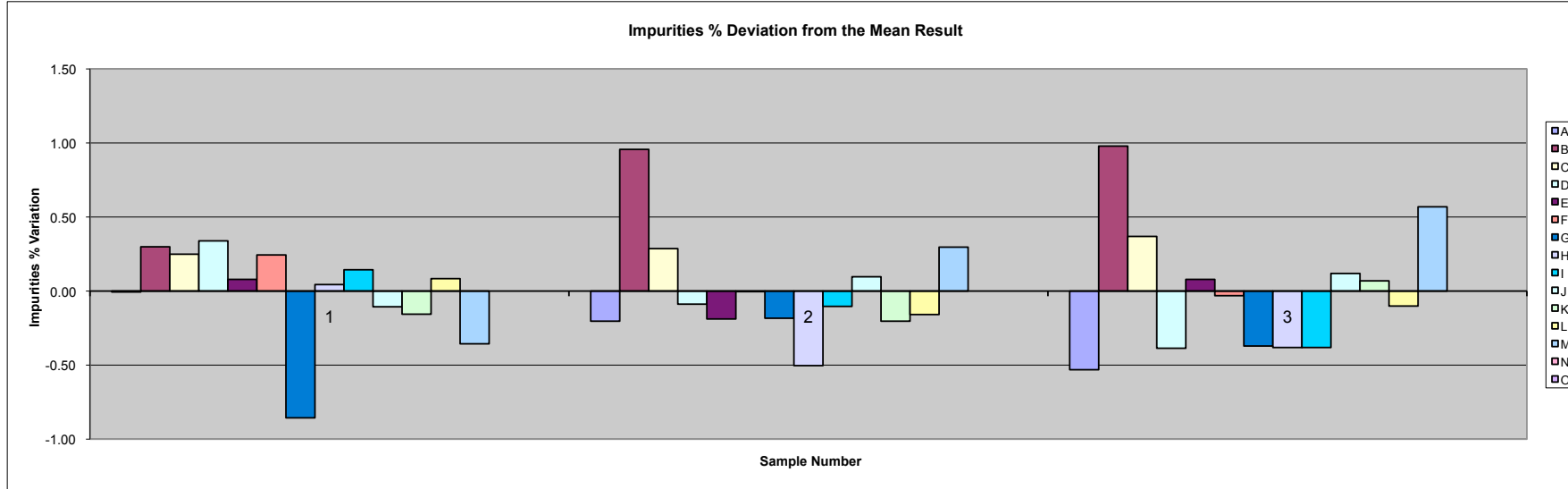
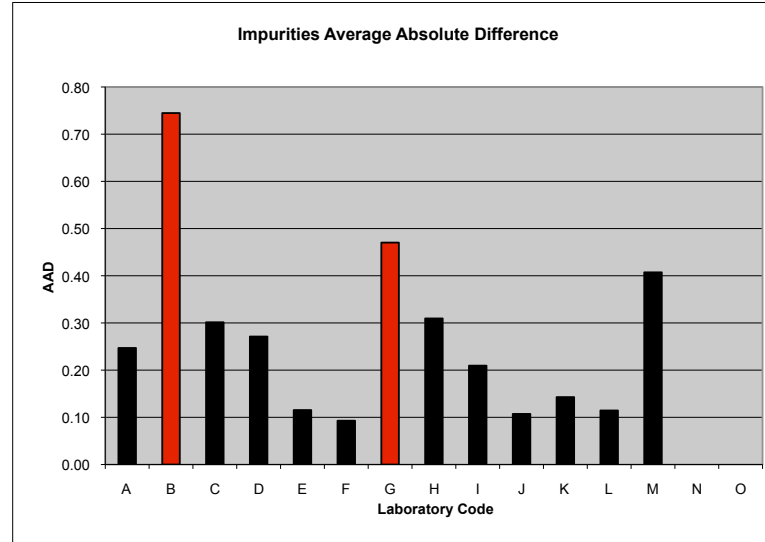
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	67.40	0.59	66.50	-0.39	68.10	-0.17	0.01	0.38
B	70.00	3.19	67.25	0.36	69.13	0.85	1.47	1.47
C	61.32	-5.49	68.05	1.16	68.09	-0.18	-1.51	2.28
D								
E	66.30	-0.51	67.50	0.61	67.10	-1.17	-0.36	0.76
F	68.25	1.44	67.25	0.36	70.00	1.73	1.17	1.17
G	63.75	-3.06	66.00	-0.89	68.60	0.33	-1.21	1.43
H	68.50	1.69	67.20	0.31	68.95	0.68	0.89	0.89
I	67.25	0.44	66.35	-0.54	68.15	-0.12	-0.08	0.37
J	67.15	0.34	66.00	-0.89	67.90	-0.37	-0.31	0.53
K	67.00	0.19	66.00	-0.89	67.50	-0.77	-0.49	0.62
L								
M	68.00	1.19	67.70	0.81	67.50	-0.77	0.41	0.92
N								
O								
MEAN	66.81		66.89		68.27			0.98
STDEV	2.39		0.74		0.84			



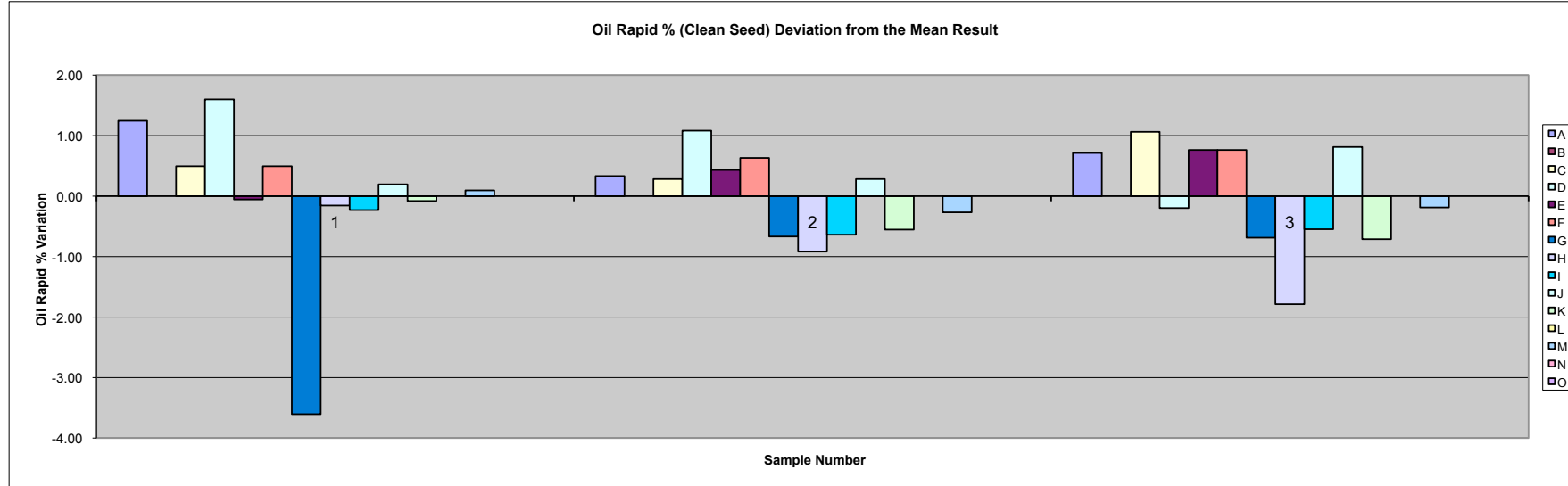
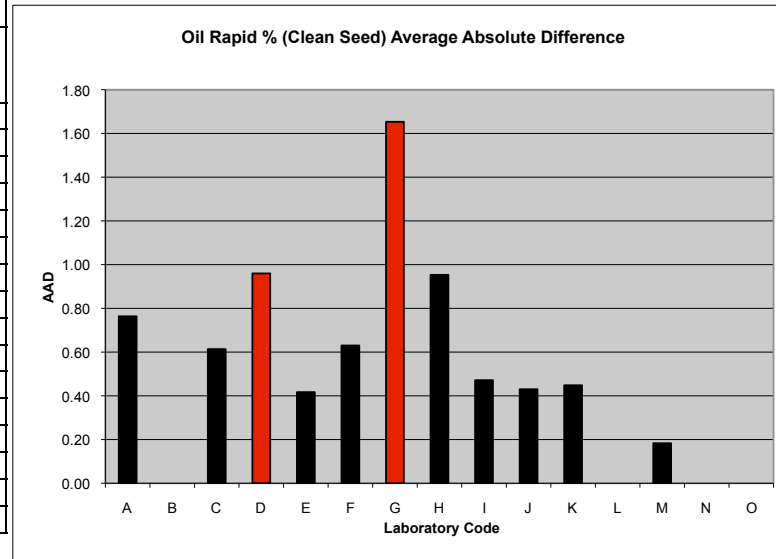
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.25	-0.01	0.70	-0.20	0.50	-0.53	-0.25	0.25
B	1.56	0.30	1.86	0.96	2.01	0.98	0.74	0.74
C	1.51	0.25	1.19	0.29	1.40	0.37	0.30	0.30
D	1.60	0.34	0.82	-0.09	0.65	-0.39	-0.05	0.27
E	1.34	0.08	0.72	-0.19	1.11	0.08	-0.01	0.12
F	1.50	0.24	0.90	0.00	1.00	-0.03	0.07	0.09
G	0.40	-0.86	0.72	-0.18	0.66	-0.37	-0.47	0.47
H	1.30	0.04	0.40	-0.50	0.65	-0.38	-0.28	0.31
I	1.40	0.14	0.80	-0.10	0.65	-0.38	-0.11	0.21
J	1.15	-0.11	1.00	0.10	1.15	0.12	0.04	0.11
K	1.10	-0.16	0.70	-0.20	1.10	0.07	-0.10	0.14
L	1.34	0.08	0.75	-0.16	0.93	-0.10	-0.06	0.11
M	0.90	-0.36	1.20	0.30	1.60	0.57	0.17	0.41
N								
O								
MEAN	1.26		0.90		1.03			0.27
STDEV	0.32		0.36		0.44			



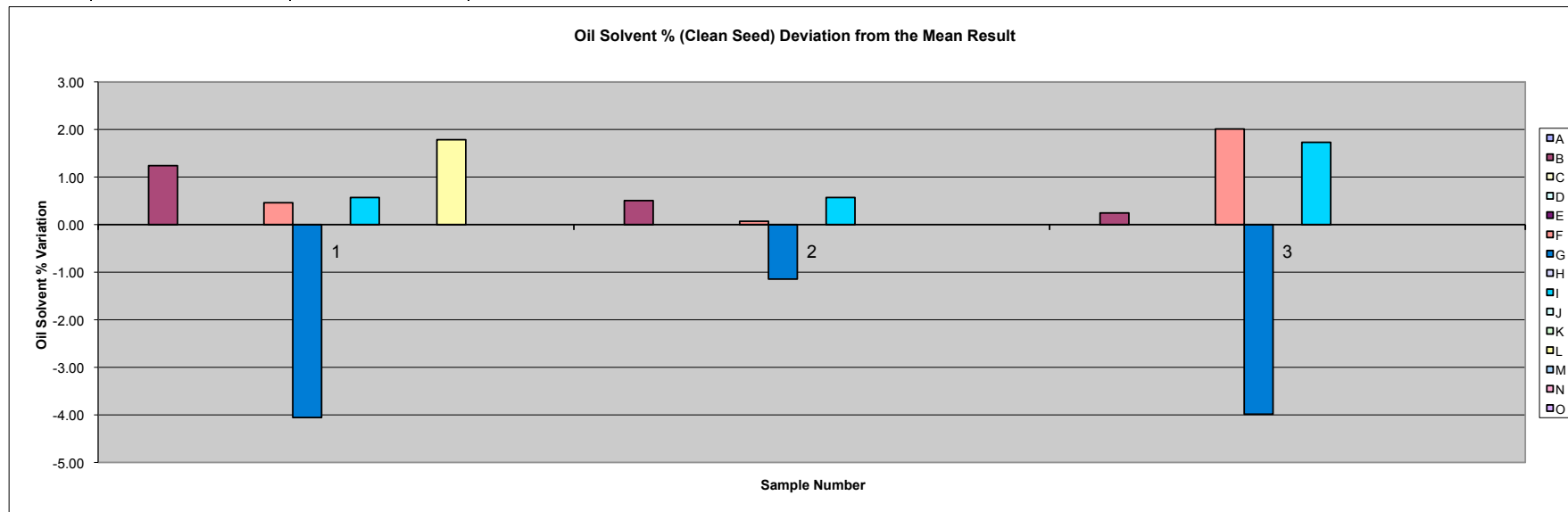
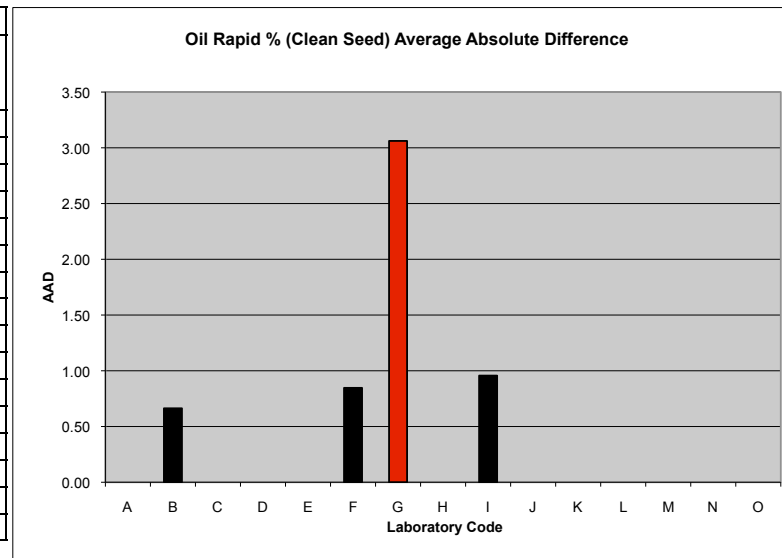
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	45.55	1.25	41.20	0.33	39.65	0.71	0.76	0.76
B								
C	44.80	0.50	41.15	0.28	40.00	1.06	0.61	0.61
D	45.91	1.60	41.95	1.08	38.74	-0.20	0.83	0.96
E	44.25	-0.05	41.30	0.43	39.70	0.76	0.38	0.42
F	44.80	0.50	41.50	0.63	39.70	0.76	0.63	0.63
G	40.70	-3.60	40.20	-0.67	38.25	-0.69	-1.65	1.65
H	44.15	-0.15	39.95	-0.92	37.15	-1.79	-0.95	0.95
I	44.08	-0.23	40.23	-0.64	38.39	-0.55	-0.47	0.47
J	44.50	0.20	41.15	0.28	39.75	0.81	0.43	0.43
K	44.23	-0.08	40.32	-0.55	38.23	-0.71	-0.45	0.45
L								
M	44.40	0.10	40.60	-0.27	38.75	-0.19	-0.12	0.18
N								
O								
MEAN	44.31		40.87		38.94			0.68
STDEV	1.33		0.64		0.89			



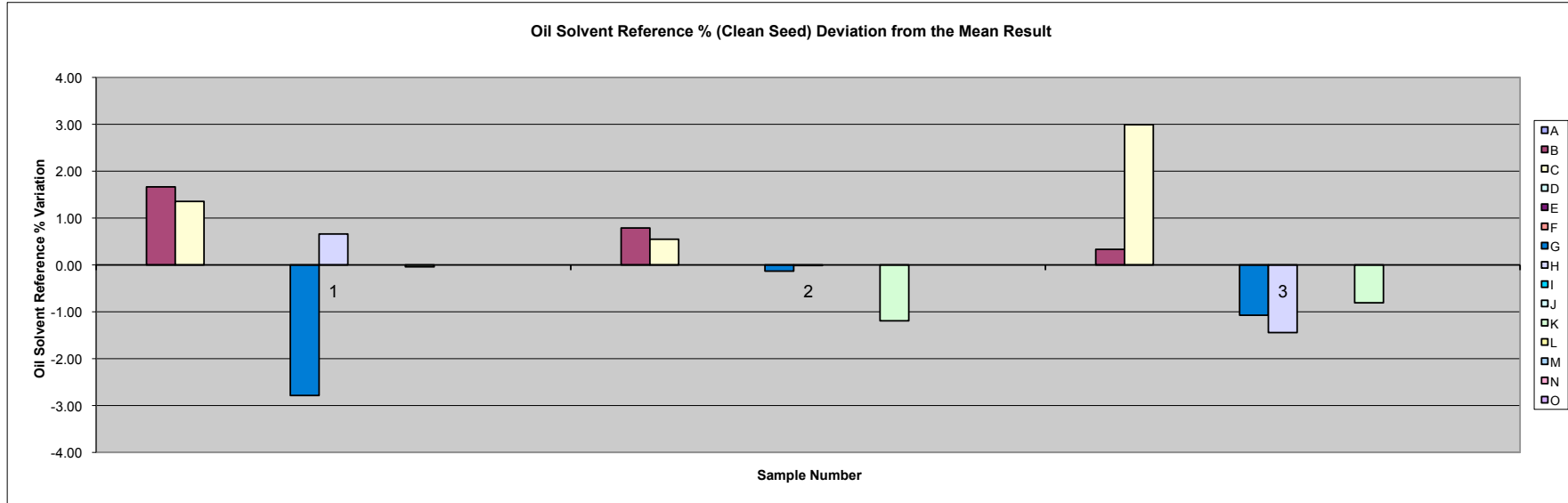
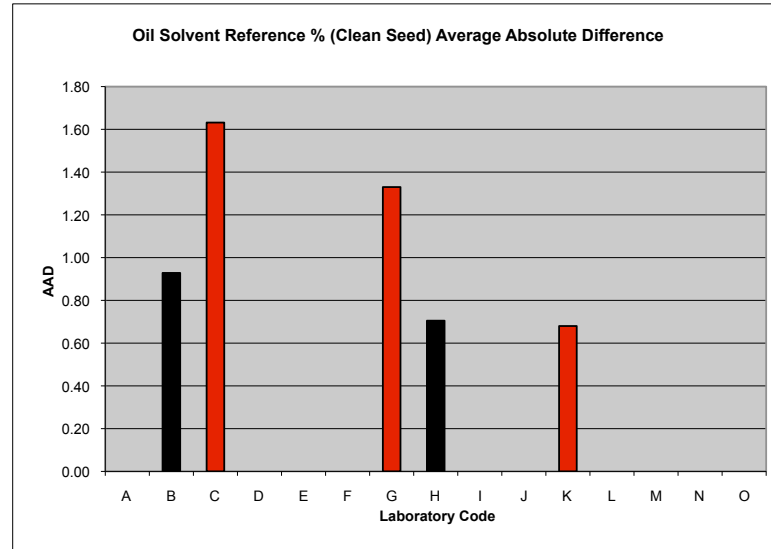
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	44.58	1.24	40.84	0.51	37.59	0.24	0.66	0.66
C								
D								
E								
F	43.80	0.46	40.40	0.07	39.35	2.01	0.85	0.85
G	39.29	-4.06	39.19	-1.15	33.36	-3.99	-3.06	3.06
H								
I	43.91	0.57	40.90	0.57	39.07	1.73	0.96	0.96
J								
K								
L	45.13	1.79						
M								
N								
O								
MEAN	43.34		40.33		37.34			1.38
STDEV	2.33		0.79		2.77			



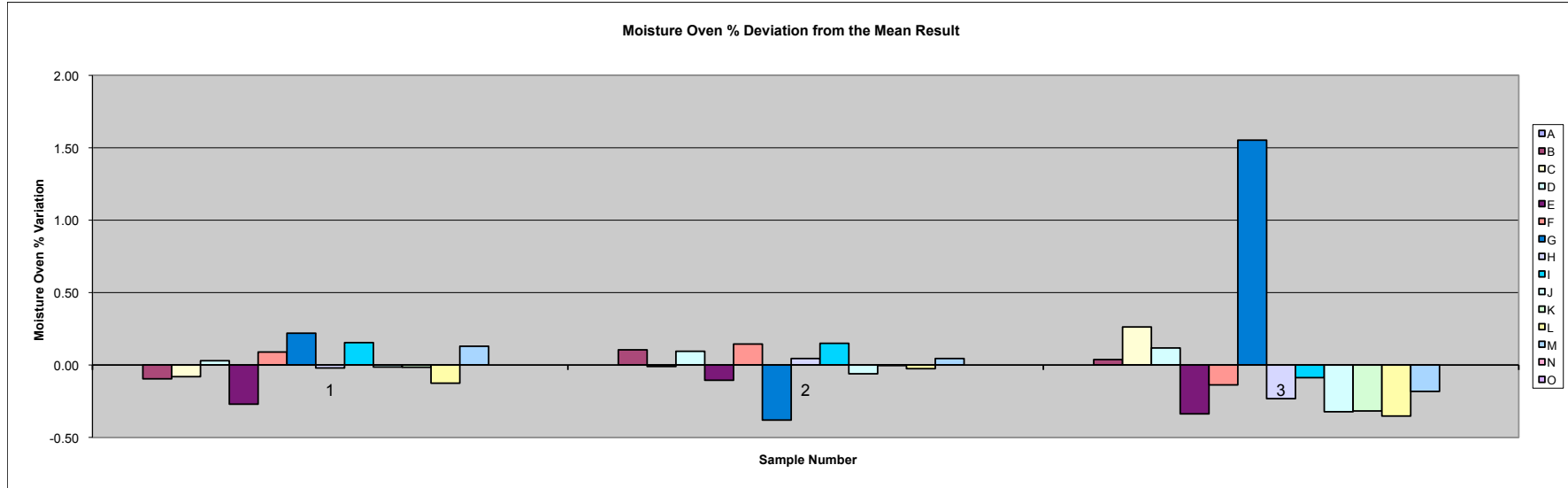
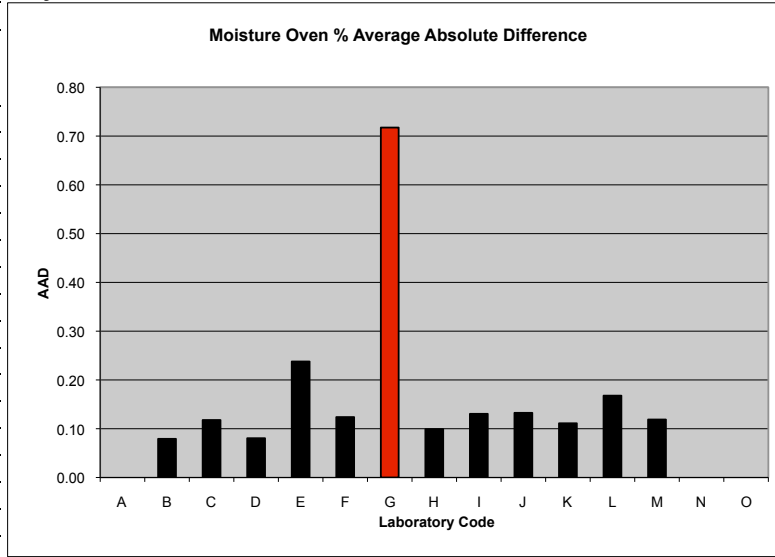
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	45.01	1.67	41.30	0.79	37.48	0.33	0.93	0.93
C	44.70	1.36	41.06	0.55	40.14	2.99	1.63	1.63
D								
E								
F								
G	40.56	-2.79	40.38	-0.13	36.07	-1.07	-1.33	1.33
H	44.00	0.66	40.50	-0.01	35.70	-1.44	-0.26	0.71
I								
J								
K	43.30	-0.04	39.32	-1.19	36.34	-0.81	-0.68	0.68
L								
M								
N								
O								
MEAN	43.51		40.51		37.14			1.06
STDEV	1.78		0.77		1.80			



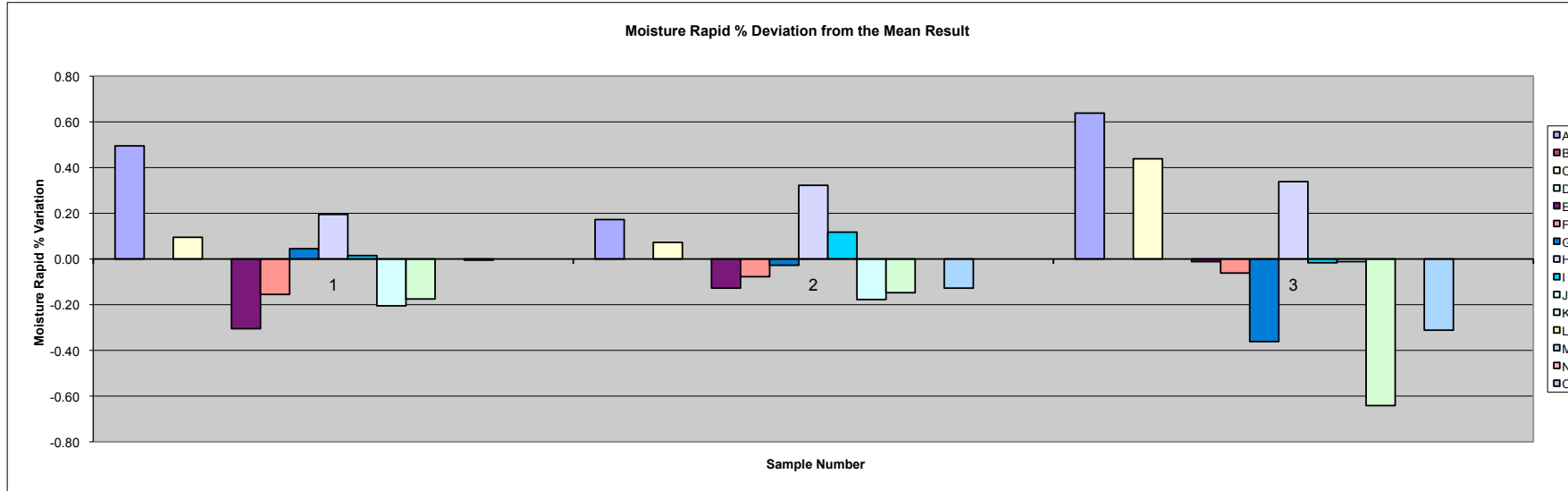
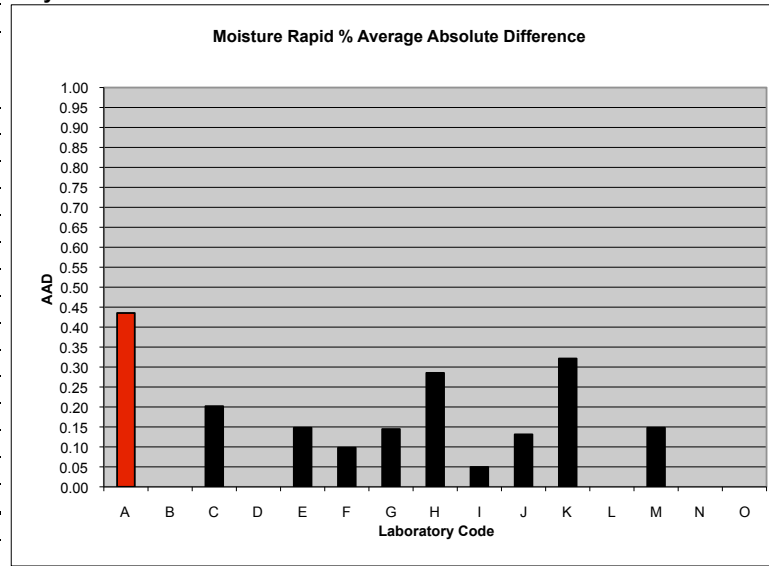
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	5.98	-0.10	5.56	0.10	4.52	0.04	0.02	0.08
C	5.99	-0.08	5.45	-0.01	4.75	0.26	0.06	0.12
D	6.10	0.03	5.55	0.09	4.60	0.12	0.08	0.08
E	5.80	-0.27	5.35	-0.11	4.15	-0.34	-0.24	0.24
F	6.16	0.09	5.60	0.14	4.35	-0.14	0.03	0.12
G	6.29	0.22	5.08	-0.38	6.04	1.55	0.46	0.72
H	6.05	-0.02	5.50	0.04	4.25	-0.23	-0.07	0.10
I	6.23	0.15	5.61	0.15	4.40	-0.09	0.07	0.13
J	6.06	-0.01	5.39	-0.06	4.16	-0.32	-0.13	0.13
K	6.06	-0.02	5.46	0.00	4.17	-0.32	-0.11	0.11
L	5.95	-0.13	5.43	-0.03	4.13	-0.35	-0.17	0.17
M	6.20	0.13	5.50	0.04	4.30	-0.18	0.00	0.12
N								
O								
MEAN	6.07		5.46		4.48			0.18
STDEV	0.14		0.14		0.53			



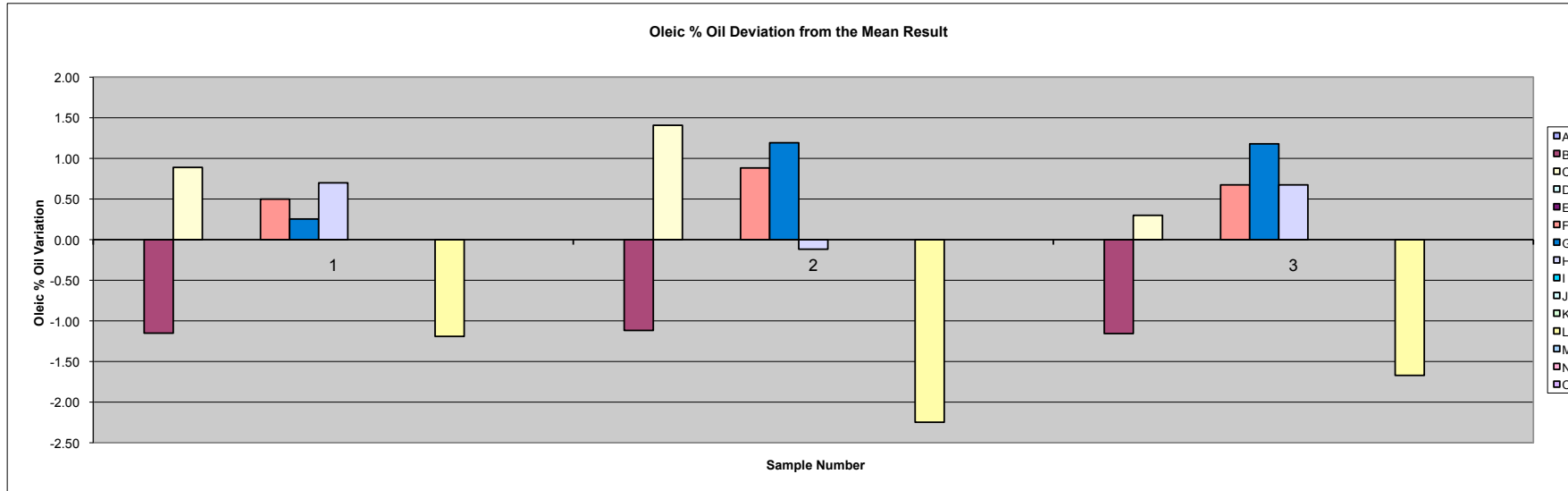
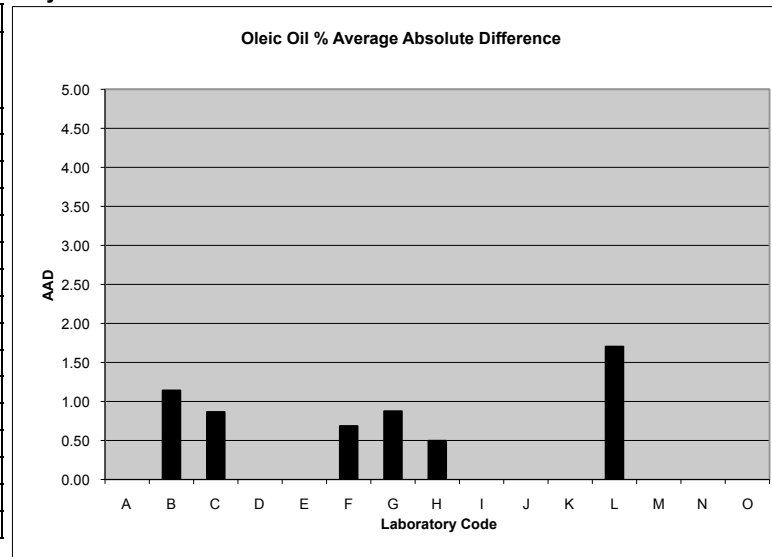
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.60	0.50	5.65	0.17	4.75	0.64	0.44	0.44
B								
C	6.20	0.10	5.55	0.07	4.55	0.44	0.20	0.20
D								
E	5.80	-0.31	5.35	-0.13	4.10	-0.01	-0.15	0.15
F	5.95	-0.15	5.40	-0.08	4.05	-0.06	-0.10	0.10
G	6.15	0.05	5.45	-0.03	3.75	-0.36	-0.11	0.14
H	6.30	0.20	5.80	0.32	4.45	0.34	0.29	0.29
I	6.12	0.02	5.60	0.12	4.10	-0.02	0.04	0.05
J	5.90	-0.20	5.30	-0.18	4.10	-0.01	-0.13	0.13
K	5.93	-0.18	5.33	-0.15	3.47	-0.64	-0.32	0.32
L								
M	6.10	0.00	5.35	-0.13	3.80	-0.31	-0.15	0.15
N								
O								
MEAN	6.11		5.48		4.11			0.20
STDEV	0.23		0.17		0.39			



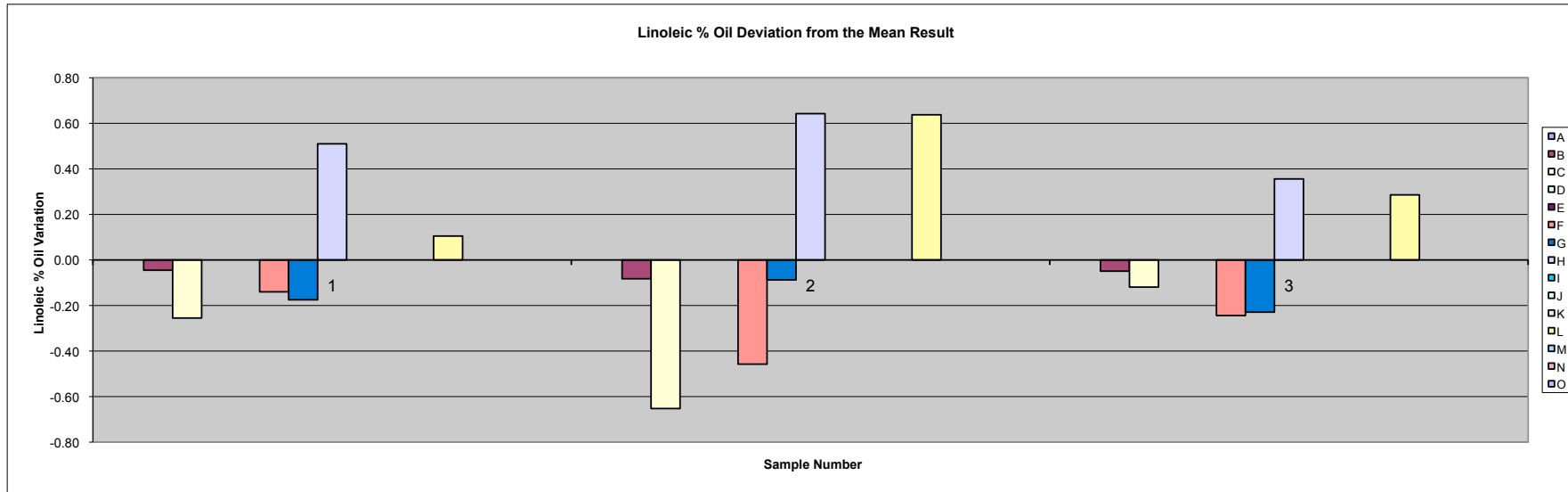
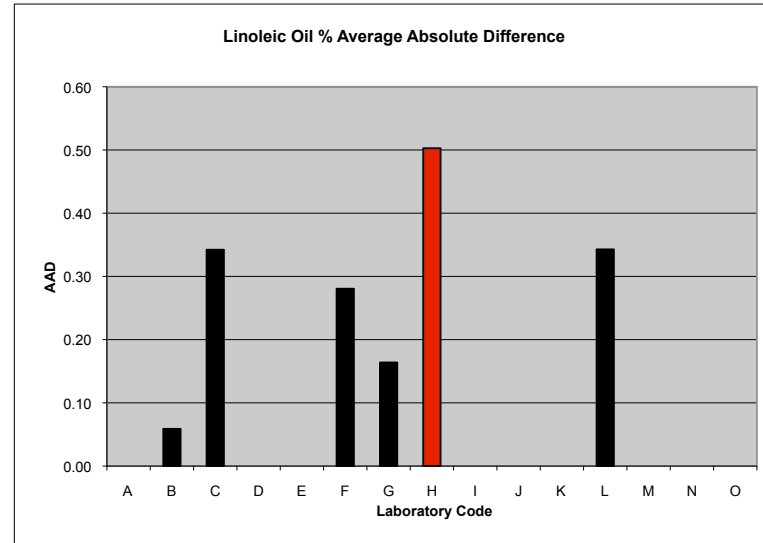
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	57.30	-1.15	63.10	-1.12	60.22	-1.16	-1.14	1.14
C	59.34	0.89	65.63	1.41	61.68	0.30	0.87	0.87
D								
E								
F	58.95	0.50	65.10	0.88	62.05	0.67	0.69	0.69
G	58.71	0.25	65.41	1.19	62.56	1.18	0.88	0.88
H	59.15	0.70	64.10	-0.12	62.05	0.67	0.42	0.50
I								
J								
K								
L	57.26	-1.19	61.97	-2.25	59.71	-1.67	-1.70	1.70
M								
N								
O								
MEAN	58.45		64.22		61.38			0.96
STDEV	0.93		1.45		1.14			



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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	22.20	-0.04	18.58	-0.08	20.65	-0.05	-0.06	0.06
C	21.99	-0.25	18.01	-0.65	20.58	-0.12	-0.34	0.34
D								
E								
F	22.10	-0.14	18.20	-0.46	20.45	-0.24	-0.28	0.28
G	22.07	-0.18	18.57	-0.09	20.47	-0.23	-0.16	0.16
H	22.75	0.51	19.30	0.64	21.05	0.36	0.50	0.50
I								
J								
K								
L	22.35	0.11	19.30	0.64	20.98	0.29	0.34	0.34
M								
N								
O								
MEAN	22.24		18.66		20.69			0.28
STDEV	0.28		0.54		0.26			



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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	0.16	-0.20	0.38	-0.21	0.11	-0.15	-0.18	0.18
C			0.19	-0.39	0.25	0.00	-0.20	0.20
D	0.32	-0.03	0.53	-0.05	0.15	-0.10	-0.06	0.06
E	0.50	0.14	0.82	0.24	0.47	0.22	0.20	0.20
F	1.05	0.69	1.53	0.95	0.55	0.30	0.65	0.65
G	0.34	-0.01	0.58	-0.01	0.31	0.06	0.01	0.03
H	0.11	-0.24	0.33	-0.26	0.09	-0.16	-0.22	0.22
I								
J								
K	0.13	-0.22	0.45	-0.13	0.19	-0.07	-0.14	0.14
L	0.23	-0.12	0.44	-0.15	0.17	-0.08	-0.12	0.12
M								
N								
O								
MEAN	0.35		0.58		0.25			0.20
STDEV	0.31		0.40		0.16			

