



**2013 AOF Test Check Program  
Monthly Report  
Round 4  
April 2013  
01/04/2013 – 01/05/2013**

Result Receiving Dates

Lab Code	Date (DD-MM-YYYY)
A	05/04/2013
B	30/04/2013
C	28/05/2013
D	06/05/2013
E	10/04/2013
F	02/05/2013
G	02/05/2013
H	30/05/2013
I	16/04/2013
J	09/04/2013
K	24/04/2013
L	-
M	23/04/2013
N	15/04/2013
O	20/04/2013

Discussion of Results

**Test Weight**

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – Outliers were identified for Lab **F** and **O** where results were 0.05 and 0.02 of a percent discrepancy, respectively, from the upper quartile limit (68.85%).

**Impurities**

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **I** with a 0.14 percent discrepancy from the upper quartile limit (0.26%).



**2013 AOF Test Check Program**  
**Monthly Report**  
**Round 4**  
**April 2013**  
01/04/2013 – 01/05/2013

---

***Oil Rapid***

Sample 1 – Outliers were identified for Lab **A** and **H** where results were 0.02 and 0.52 of a percent discrepancy, respectively, from the lower quartile limit (39.02%).

Sample 2 – One outlier was identified for Lab **D** with a 0.39 percent discrepancy from the upper quartile limit (47.08%).

Sample 3 – Outliers were identified for Lab **D** and **O** where results were 0.86 and 0.20 of a percent discrepancy, respectively, from the upper quartile limit (48.45%).

***Oil Solvent Extraction (ISO 659)***

Sample 1 – One outlier was identified for Lab **G** with a 0.84 of a percent discrepancy from the lower quartile limit (37.12%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

***FOSFA Extraction (AOCS Method Am 2-93)***

Sample 1 – No outliers were observed.

Sample 2 – Outliers were identified for Lab **B** and **K**. Lab B results were 0.32 of a percent discrepancy from the upper quartile limit (45.80%). Lab K results were 0.71 of a percent discrepancy from the lower quartile limit (45.48%).

Sample 3 – No outliers were observed.

***Moisture Oven***

Sample 1 – Outliers were identified for Lab **D** and **E** where results were 0.32 and 0.56 of a percent discrepancy, respectively, from the upper quartile limit (6.53%).

Sample 2 – One outlier was identified for Lab **D** with a 0.01 of a percent discrepancy from the upper quartile limit (5.34%).

Sample 3 – One outlier was identified for Lab **D** with a 0.12 of a percent discrepancy from the upper quartile limit (6.14%).

***Moisture Rapid***

No Outliers were identified for this test method.



**2013 AOF Test Check Program  
Monthly Report  
Round 4  
April 2013  
01/04/2013 – 01/05/2013**

---

***Oleic Oil***

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab H with a 2.11 of a percent discrepancy from the upper quartile limit (75.14%).

Sample 3 – One outlier was identified for Lab H with a 2.67 of a percent discrepancy from the upper quartile limit (67.13%).

***Linoleic Oil***

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab H with a 0.35 of a percent discrepancy from the lower quartile limit (11.15%).

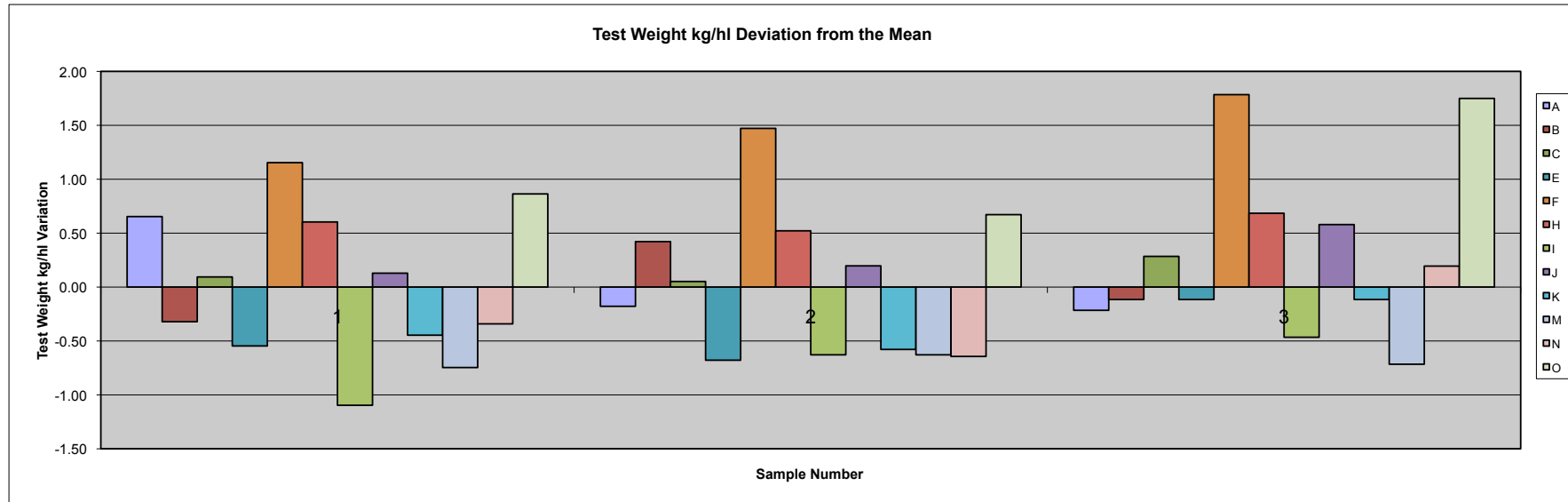
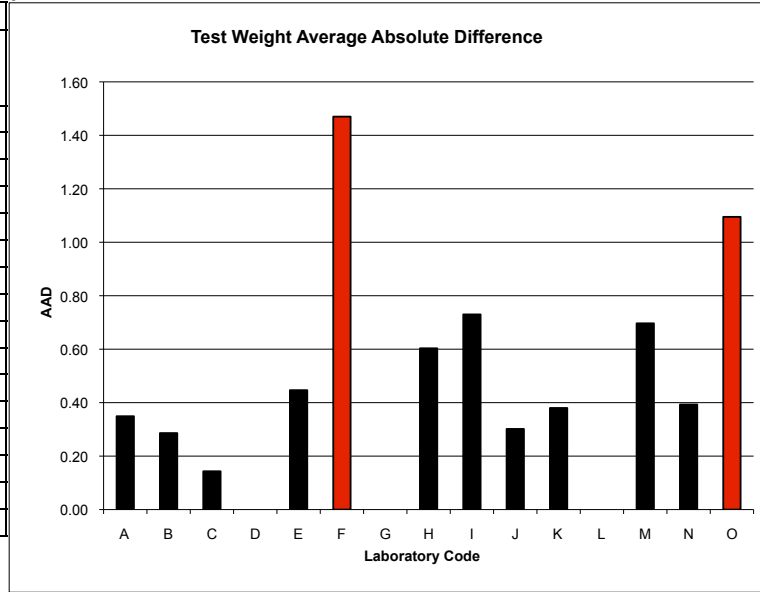
Sample 3 – One outlier was identified for Lab H with a 1.18 of a percent discrepancy from the lower quartile limit (17.53%).

***Free Fatty Acid***

No Outliers were identified for this test method.

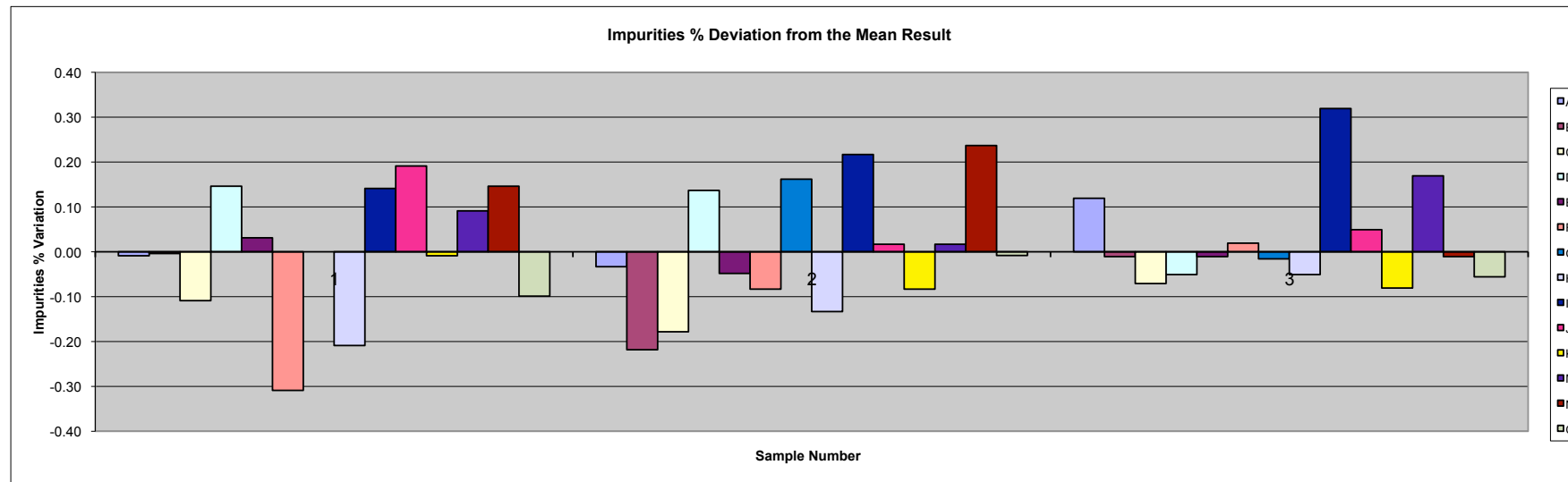
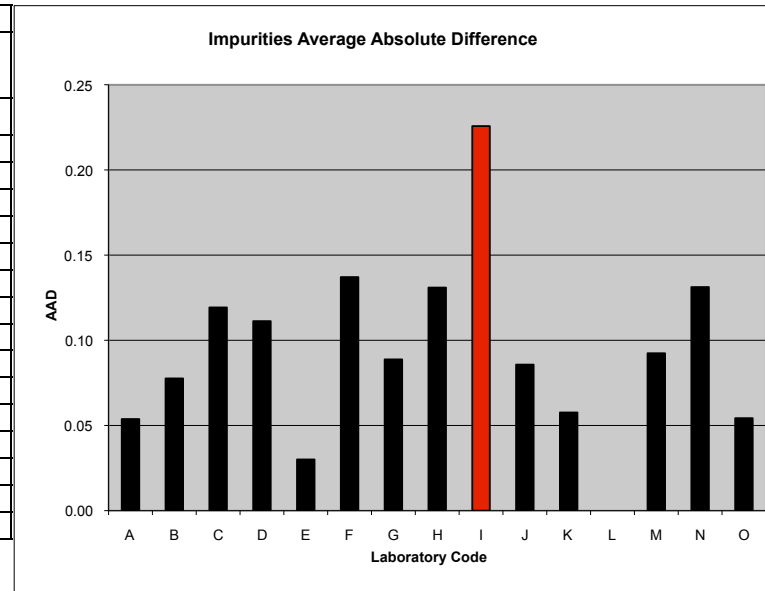
**2013 AOF Test Check Program  
Round 4 Summary - April**

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	70.10	0.65	66.40	-0.18	66.90	-0.22	0.09	0.35
B	69.13	-0.32	67.00	0.42	67.00	-0.12	-0.01	0.29
C	69.54	0.09	66.63	0.05	67.40	0.28	0.14	0.14
D								
E	68.90	-0.55	65.90	-0.68	67.00	-0.12	-0.45	0.45
F	70.60	1.15	68.05	1.47	68.90	1.78	1.47	1.47
G								
H	70.05	0.60	67.10	0.52	67.80	0.68	0.60	0.60
I	68.35	-1.10	65.95	-0.63	66.65	-0.47	-0.73	0.73
J	69.58	0.13	66.78	0.20	67.70	0.58	0.30	0.30
K	69.00	-0.45	66.00	-0.58	67.00	-0.12	-0.38	0.38
L								
M	68.70	-0.75	65.95	-0.63	66.40	-0.72	-0.70	0.70
N	69.11	-0.34	65.94	-0.64	67.31	0.19	-0.26	0.39
O	70.31	0.86	67.25	0.67	68.87	1.75	1.09	1.09
<b>MEAN</b>	<b>69.45</b>		<b>66.58</b>		<b>67.12</b>			<b>0.53</b>
<b>STDEV</b>	<b>0.70</b>		<b>0.68</b>		<b>0.44</b>			



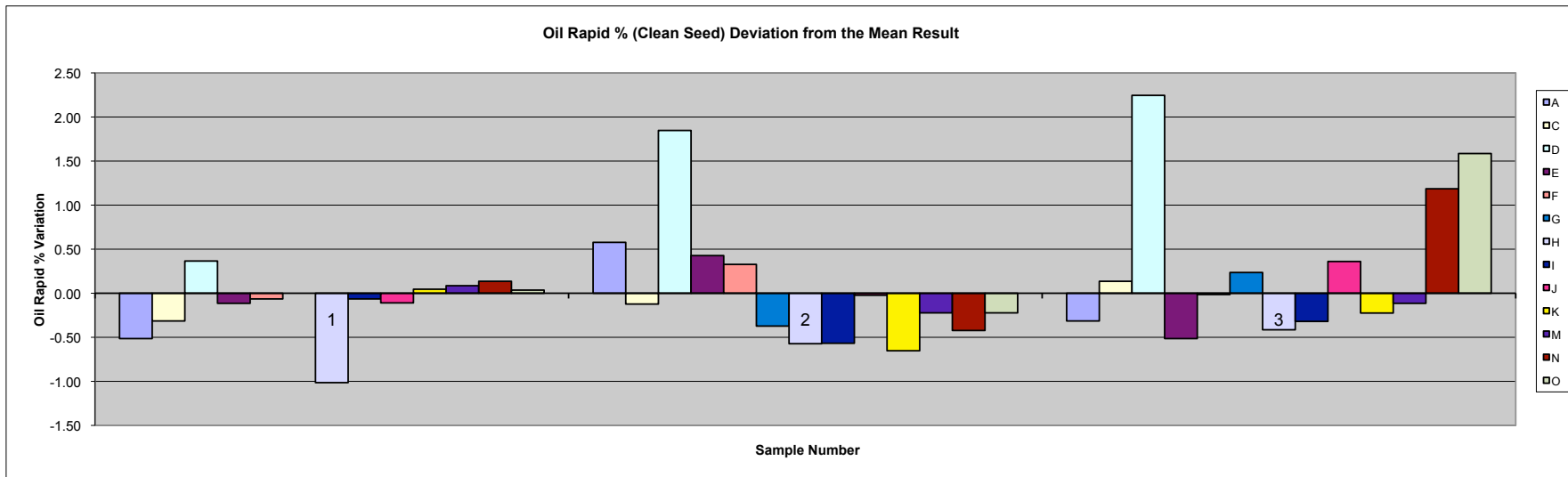
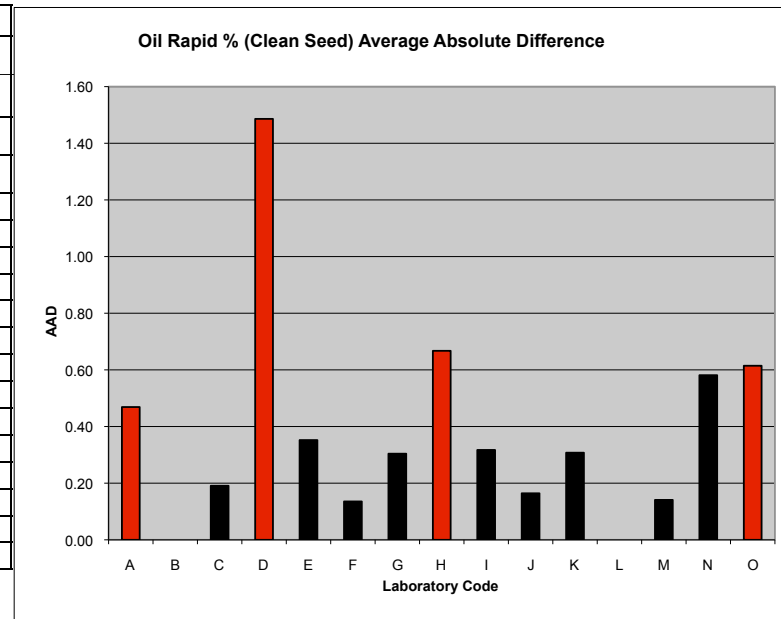
**2013 AOF Test Check Program  
Round 4 Summary - April**

Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.40	-0.01	0.75	-0.03	0.20	0.12	0.03	0.05
B	0.41	0.00	0.57	-0.22	0.07	-0.01	-0.08	0.08
C	0.30	-0.11	0.61	-0.18	0.01	-0.07	-0.12	0.12
D	0.56	0.15	0.92	0.14	0.03	-0.05	0.08	0.11
E	0.44	0.03	0.74	-0.05	0.07	-0.01	-0.01	0.03
F	0.10	-0.31	0.70	-0.08	0.10	0.02	-0.12	0.14
G			0.95	0.16	0.07	-0.02	0.07	0.09
H	0.20	-0.21	0.65	-0.13	0.03	-0.05	-0.13	0.13
I	0.55	0.14	1.00	0.22	0.40	0.32	0.23	0.23
J	0.60	0.19	0.80	0.02	0.13	0.05	0.09	0.09
K	0.40	-0.01	0.70	-0.08	0.00	-0.08	-0.06	0.06
L								
M	0.50	0.09	0.80	0.02	0.25	0.17	0.09	0.09
N	0.56	0.15	1.02	0.24	0.07	-0.01	0.12	0.13
O	0.31	-0.10	0.78	-0.01	0.03	-0.06	-0.05	0.05
<b>MEAN</b>	<b>0.41</b>		<b>0.78</b>		<b>0.08</b>			<b>0.10</b>
<b>STDEV</b>	<b>0.15</b>		<b>0.14</b>		<b>0.07</b>			



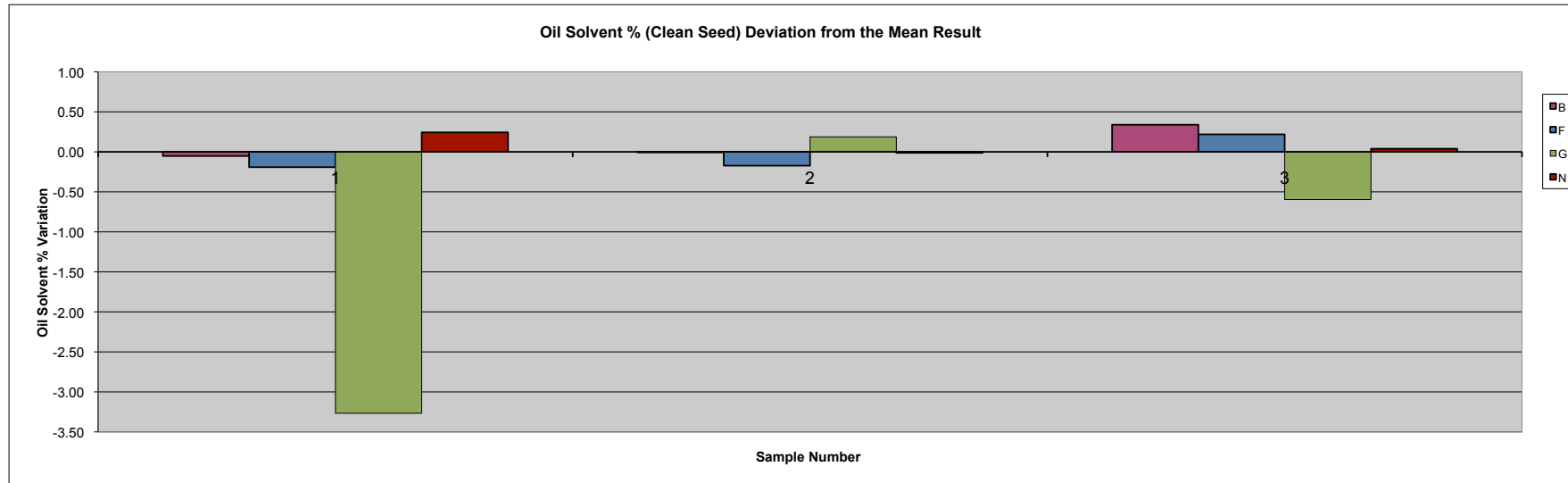
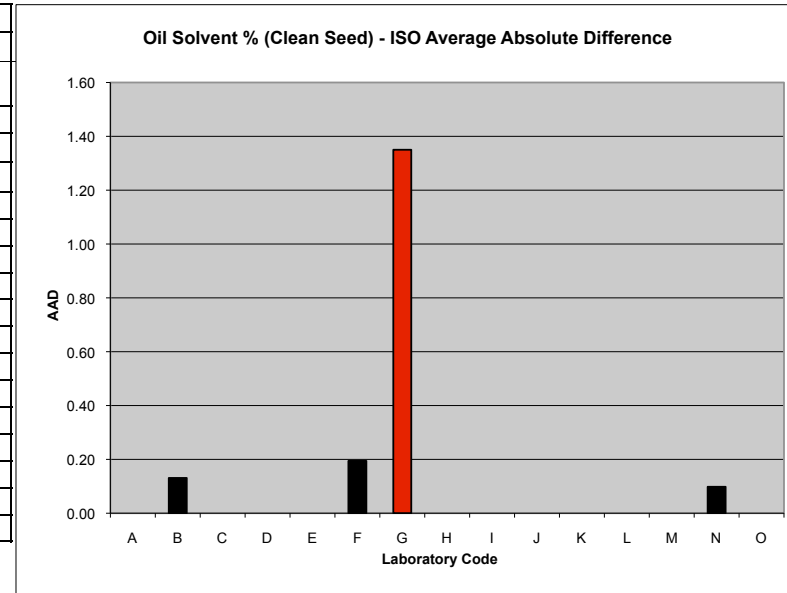
**2013 AOF Test Check Program  
Round 4 Summary - April**

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	39.00	-0.51	46.20	0.58	46.75	-0.31	-0.08	0.47
B								
C	39.20	-0.31	45.50	-0.12	47.20	0.14	-0.10	0.19
D	39.88	0.37	47.47	1.85	49.31	2.25	1.49	1.49
E	39.40	-0.11	46.05	0.43	46.55	-0.51	-0.07	0.35
F	39.45	-0.06	45.95	0.33	47.05	-0.01	0.08	0.14
G			45.25	-0.37	47.30	0.24	-0.07	0.30
H	38.50	-1.01	45.05	-0.57	46.65	-0.41	-0.67	0.67
I	39.45	-0.06	45.06	-0.57	46.75	-0.32	-0.32	0.32
J	39.41	-0.11	45.60	-0.02	47.43	0.36	0.08	0.16
K	39.56	0.05	44.97	-0.65	46.84	-0.22	-0.28	0.31
L								
M	39.60	0.09	45.40	-0.22	46.95	-0.11	-0.08	0.14
N	39.65	0.14	45.20	-0.42	48.25	1.19	0.30	0.58
O	39.55	0.04	45.40	-0.22	48.65	1.59	0.47	0.61
<b>MEAN</b>	<b>39.51</b>		<b>45.62</b>		<b>47.06</b>			<b>0.43</b>
<b>STDEV</b>	<b>0.18</b>		<b>0.68</b>		<b>0.48</b>			



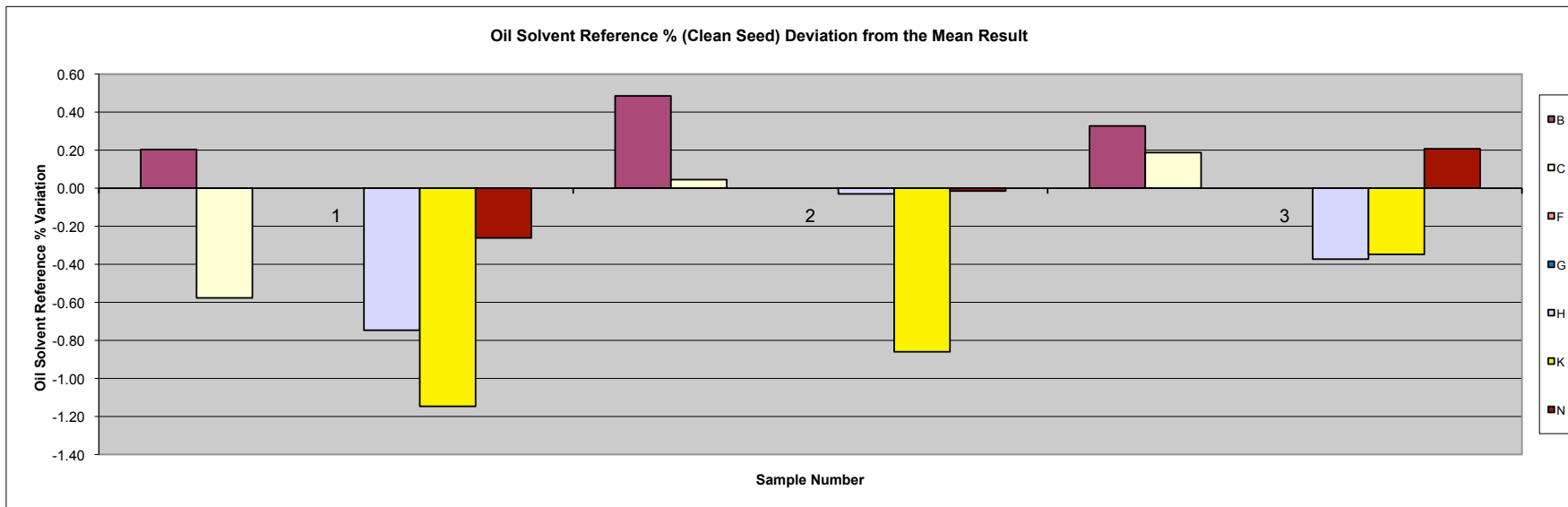
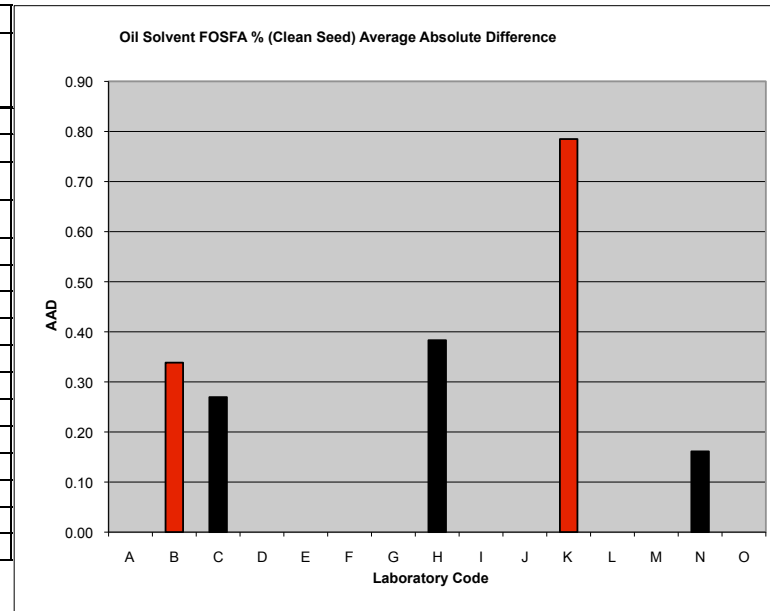
**2013 AOF Test Check Program  
Round 4 Summary - April**

Oil Solvent % (Clean Seed) - ISO 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	39.50	-0.05	45.64	0.00	47.65	0.34	0.09	0.13
C								
D								
E								
F	39.36	-0.19	45.47	-0.17	47.53	0.22	-0.05	0.19
G	36.28	-3.27	45.83	0.19	46.71	-0.60	-1.23	1.35
H								
I								
J								
K								
L								
M								
N	39.79	0.24	45.63	-0.01	47.35	0.04	0.09	0.10
O								
<b>MEAN</b>	<b>39.55</b>		<b>45.64</b>		<b>47.31</b>			<b>0.44</b>
<b>STDEV</b>	<b>0.22</b>		<b>0.15</b>		<b>0.42</b>			



**2013 AOF Test Check Program  
Round 4 Summary - April**

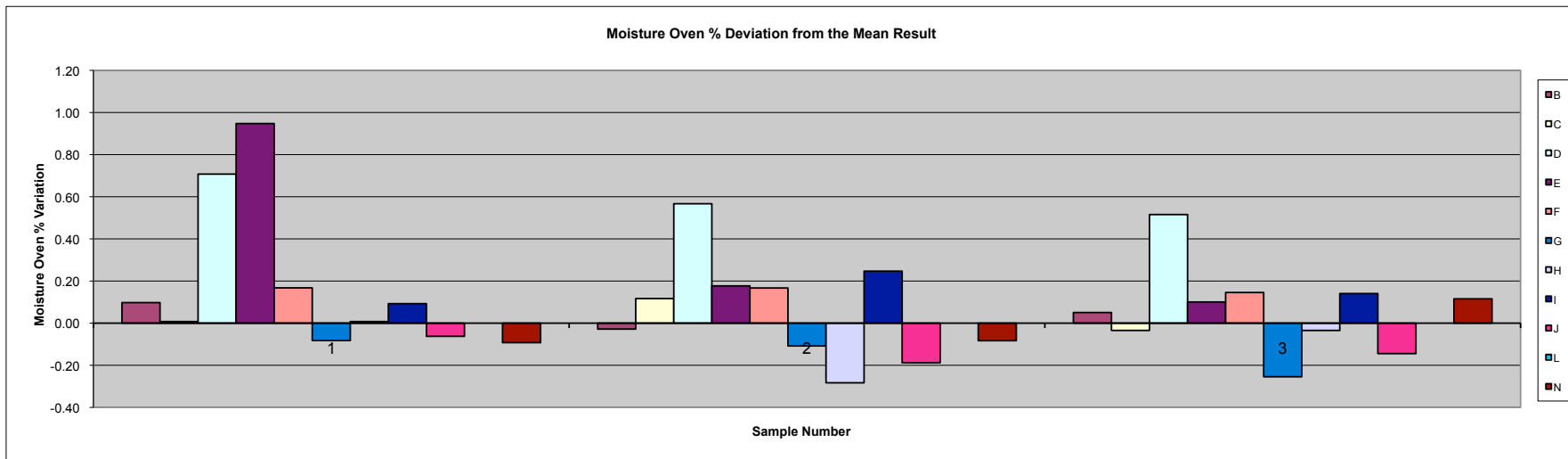
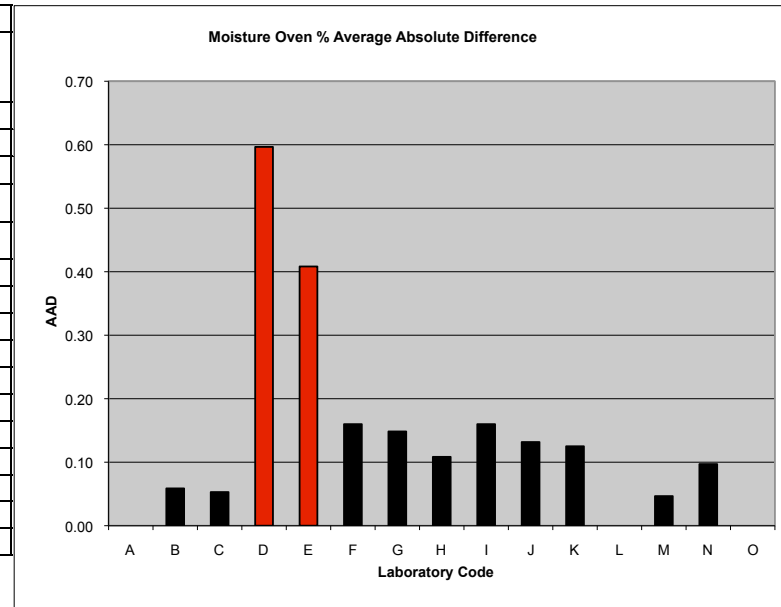
FOSFA % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	39.75	0.20	46.12	0.48	47.50	0.33	0.34	0.34
C	38.97	-0.58	45.68	0.04	47.36	0.19	-0.11	0.27
D								
E								
F								
G								
H	38.80	-0.75	45.60	-0.03	46.80	-0.37	-0.38	0.38
I								
J								
K	38.40	-1.15	44.77	-0.86	46.83	-0.35	-0.78	0.78
L								
M								
N	39.29	-0.26	45.62	-0.02	47.38	0.21	-0.02	0.16
O								
<b>MEAN</b>	<b>39.04</b>		<b>45.63</b>		<b>47.17</b>			<b>0.39</b>
<b>STDEV</b>	<b>0.51</b>		<b>0.04</b>		<b>0.33</b>			





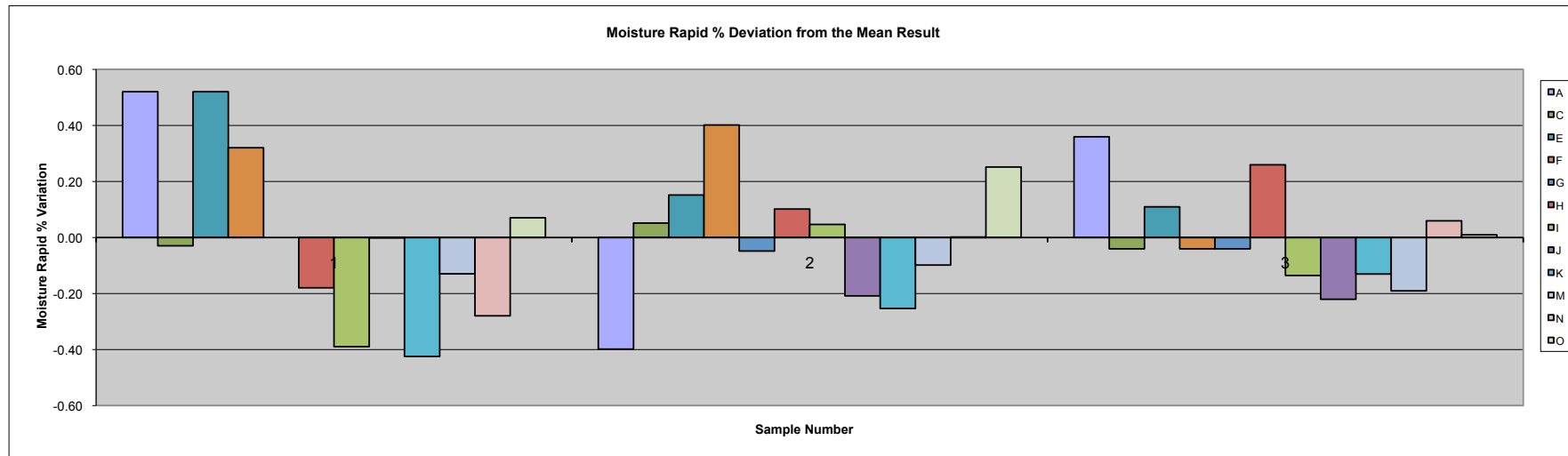
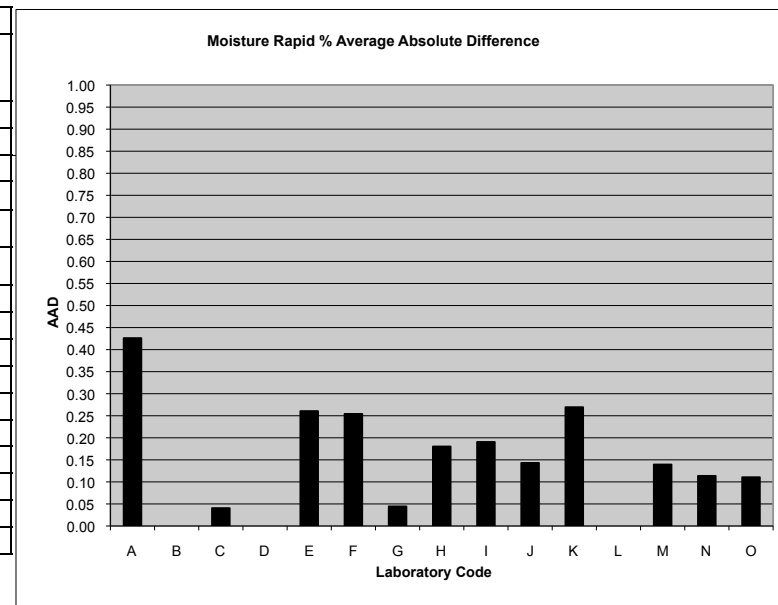
**2013 AOF Test Check Program  
Round 4 Summary - April**

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	6.24	0.10	4.76	-0.03	5.79	0.05	0.04	0.06
C	6.15	0.01	4.90	0.12	5.70	-0.03	0.03	0.05
D	6.85	0.71	5.35	0.57	6.25	0.52	0.60	0.60
E	7.09	0.95	4.96	0.18	5.84	0.10	0.41	0.41
F	6.31	0.17	4.95	0.17	5.88	0.15	0.16	0.16
G	6.06	-0.08	4.68	-0.11	5.48	-0.25	-0.15	0.15
H	6.15	0.01	4.50	-0.28	5.70	-0.03	-0.10	0.11
I	6.24	0.09	5.03	0.25	5.88	0.14	0.16	0.16
J	6.08	-0.06	4.60	-0.19	5.59	-0.14	-0.13	0.13
K	5.95	-0.19	4.75	-0.03	5.59	-0.15	-0.13	0.13
L								
M	6.20	0.06	4.80	0.02	5.80	0.07	0.05	0.05
N	6.05	-0.09	4.70	-0.08	5.85	0.12	-0.02	0.10
O								
MEAN	6.14		4.78		5.73			0.17
STDEV	0.11		0.16		0.13			



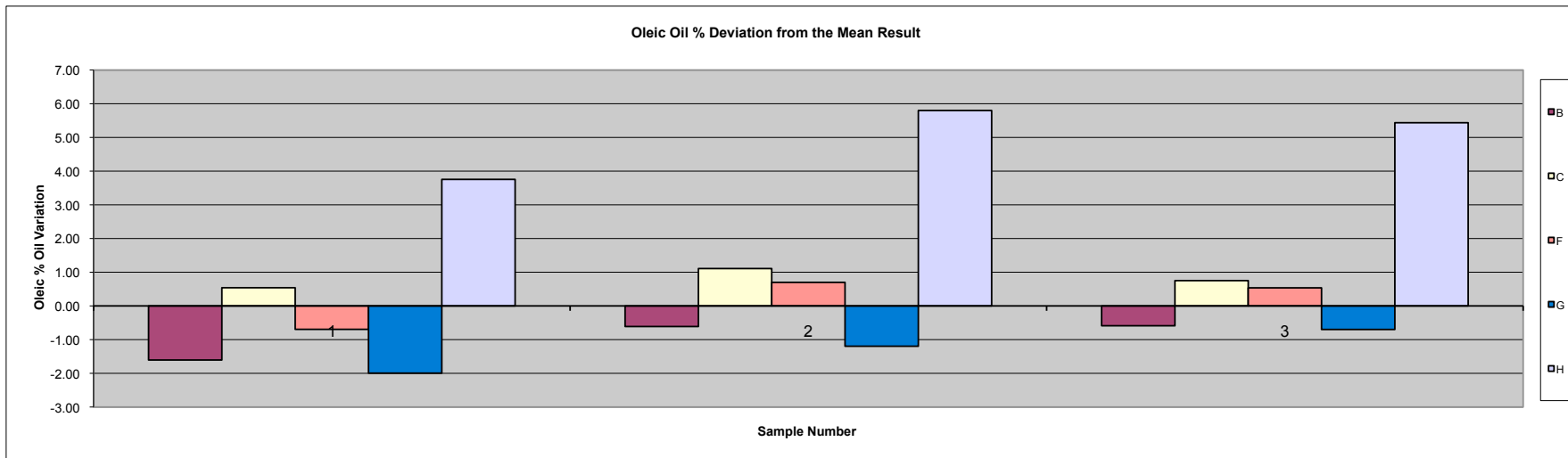
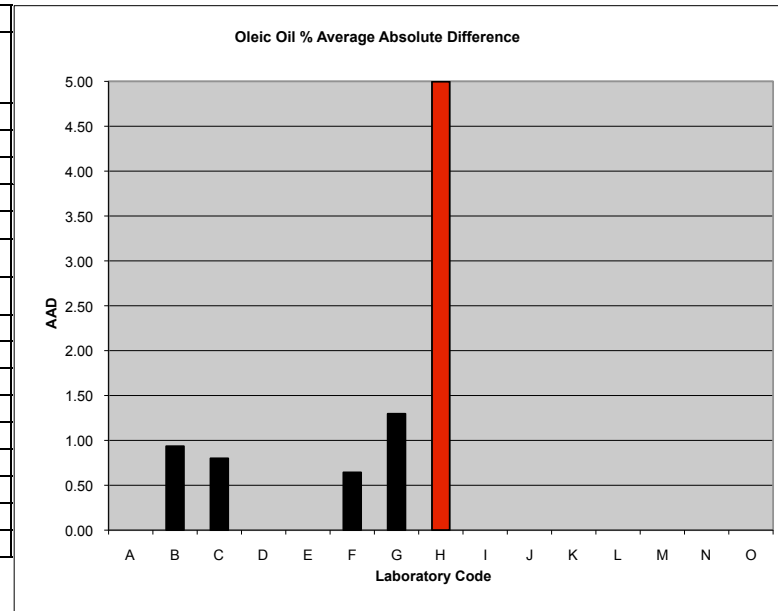
**2013 AOF Test Check Program  
Round 4 Summary - April**

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	7.10	0.52	4.50	-0.40	6.10	0.36	0.16	0.43
B								
C	6.55	-0.03	4.95	0.05	5.70	-0.04	-0.01	0.04
D								
E	7.10	0.52	5.05	0.15	5.85	0.11	0.26	0.26
F	6.90	0.32	5.30	0.40	5.70	-0.04	0.23	0.25
G			4.85	-0.05	5.70	-0.04	-0.04	0.04
H	6.40	-0.18	5.00	0.10	6.00	0.26	0.06	0.18
I	6.19	-0.39	4.95	0.05	5.61	-0.14	-0.16	0.19
J	6.58	0.00	4.69	-0.21	5.52	-0.22	-0.14	0.14
K	6.16	-0.42	4.65	-0.25	5.61	-0.13	-0.27	0.27
L								
M	6.45	-0.13	4.80	-0.10	5.55	-0.19	-0.14	0.14
N	6.30	-0.28	4.90	0.00	5.80	0.06	-0.07	0.11
O	6.65	0.07	5.15	0.25	5.75	0.01	0.11	0.11
<b>MEAN</b>	<b>6.58</b>		<b>4.90</b>		<b>5.74</b>			<b>0.19</b>
<b>STDEV</b>	<b>0.33</b>		<b>0.22</b>		<b>0.18</b>			



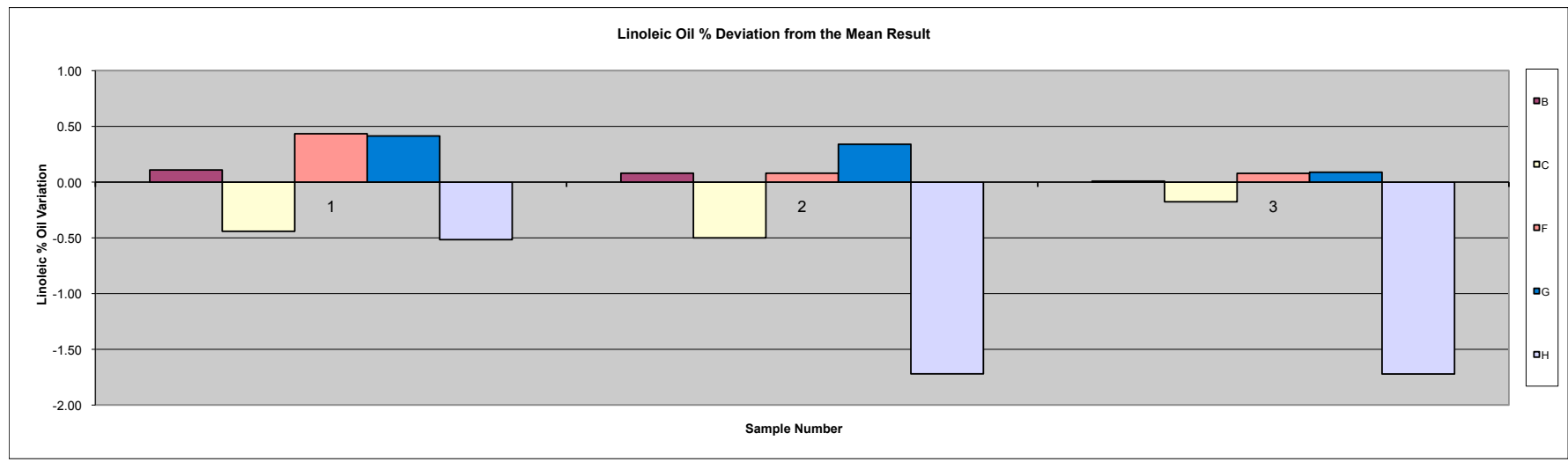
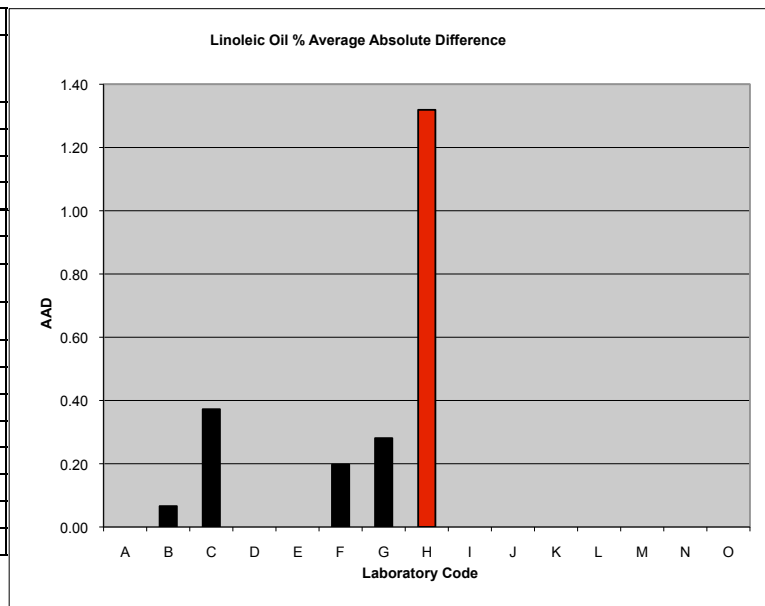
**2013 AOF Test Check Program  
Round 4 Summary - April**

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	62.94	-1.61	70.84	-0.61	63.78	-0.59	-0.93	0.93
C	65.09	0.54	72.56	1.11	65.12	0.75	0.80	0.80
D								
E								
F	63.85	-0.70	72.15	0.70	64.90	0.54	0.18	0.64
G	62.55	-2.00	70.26	-1.20	63.67	-0.70	-1.30	1.30
H	68.30	3.76	77.25	5.80	69.80	5.44	5.00	5.00
I								
J								
K								
L								
M								
N								
O								
<b>MEAN</b>	<b>64.55</b>		<b>71.45</b>		<b>64.36</b>			<b>1.73</b>
<b>STDEV</b>	<b>2.31</b>		<b>1.08</b>		<b>0.75</b>			



**2013 AOF Test Check Program  
Round 4 Summary - April**

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	18.78	0.11	12.60	0.08	18.08	0.01	0.07	0.07
C	18.23	-0.44	12.02	-0.50	17.90	-0.18	-0.37	0.37
D								
E								
F	19.10	0.43	12.60	0.08	18.15	0.08	0.20	0.20
G	19.08	0.41	12.86	0.34	18.16	0.09	0.28	0.28
H	18.15	-0.52	10.80	-1.72	16.35	-1.72	-1.32	1.32
I								
J								
K								
L								
M								
N								
O								
MEAN	18.67		12.52		18.07			0.45
STDEV	0.46		0.36		0.12			



**2013 AOF Test Check Program  
Round 4 Summary - April**

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	0.44	-0.07	0.07	-0.12	0.11	-0.13	-0.11	0.11
C	0.37	-0.14	0.31	0.12	0.25	0.01	0.00	0.09
D								
E	0.84	0.33	0.41	0.22	0.40	0.15	0.23	0.23
F	0.51	0.00	0.16	-0.04	0.21	-0.03	-0.02	0.02
G	0.76	0.25			0.49	0.24	0.25	0.25
H	0.31	-0.20	0.12	-0.07	0.16	-0.09	-0.12	0.12
I								
J								
K	0.34	-0.17	0.08	-0.11	0.08	-0.16	-0.15	0.15
L								
M								
N								
O								
MEAN	0.51		0.19		0.24			0.14
STDEV	0.21		0.14		0.15			

