Analyte

All Labs PT Report

Statistical reports have been updated to a new organizational format.

Statistical analysis and number of reports remain the same. The types of reports are shown below.

Results from all labs…

...sorted by analyte (**Analyte All Labs PT Report**)

…sorted by method (Method All Labs PT Report)

Summary statistics…

…for each analyte (Analyte Summary Statistics)

…for each method (Method Summary Statistics)

Report cards evaluating individual lab performance…

…for an analyte regardless of method (Analyte Laboratory Report Card)

…for a specific method (Method Laboratory Report Card).

Detailed description on the content of the Analyte All Labs PT Report is provided in the Appendix

Issue Date: 4/30/2026

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
					Loss on Drying (%)						
001.99	Loss on Drying (%)	Miscellaneous	**0618**	5.64	5.58	**5.61**	**-11.08**	11.04	0.4905	51	2
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0089**	9.84	9.855	**9.848**	**-2.44**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0345**	9.88	10.1	**9.99**	**-2.15**	11.04	0.4905	51	
001.00	Loss on Drying (%)	Vac 95°C 5 hr	**0169**	9.97	10.02	**9.995**	**-2.14**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**2465**	10.46	10.36	**10.41**	**-1.29**	11.04	0.4905	51	
001.99	Loss on Drying (%)	Miscellaneous	**0610**	10.47	10.41	**10.44**	**-1.23**	11.04	0.4905	51	
001.00	Loss on Drying (%)	Vac 95°C 5 hr	**0027**	10.457	10.468	**10.46**	**-1.19**	11.04	0.4905	51	
001.99	Loss on Drying (%)	Miscellaneous	**0596**	10.54	10.59	**10.56**	**-0.98**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0596**	10.69	10.49	**10.59**	**-0.93**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0675**	10.68	10.56	**10.62**	**-0.86**	11.04	0.4905	51	
001.99	Loss on Drying (%)	Miscellaneous	**0019**	10.69	10.61	**10.65**	**-0.80**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0038**	11.1	10.2	**10.65**	**-0.80**	11.04	0.4905	51	1
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**2146**	10.7	10.66	**10.68**	**-0.74**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**2517**	10.48	10.91	**10.7**	**-0.71**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0010**	10.7	10.7	**10.7**	**-0.70**	11.04	0.4905	51	7
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0074**	10.45	10.95	**10.7**	**-0.70**	11.04	0.4905	51	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0066**	10.56	10.86	**10.71**	**-0.68**	11.04	0.4905	51	
001.99	Loss on Drying (%)	Miscellaneous	**0186**	10.73	10.7	**10.72**	**-0.67**	11.04	0.4905	51	
001.99	Loss on Drying (%)	Miscellaneous	**0510**	10.7	10.8	**10.75**	**-0.60**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0682**	10.92	10.58	**10.75**	**-0.60**	11.04	0.4905	51	
001.99	Loss on Drying (%)	Miscellaneous	**2268**	11.19	10.49	**10.84**	**-0.42**	11.04	0.4905	51	
001.99	Loss on Drying (%)	Miscellaneous	**2246**	10.7562	10.9429	**10.85**	**-0.40**	11.04	0.4905	51	
001.99	Loss on Drying (%)	Miscellaneous	**0852**	11.05	10.65	**10.85**	**-0.40**	11.04	0.4905	51	
001.99	Loss on Drying (%)	Miscellaneous	**0357**	10.8968	10.8147	**10.86**	**-0.38**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0571**	10.92	11.09	**11**	**-0.08**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**2144**	11	11.01	**11**	**-0.08**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0853**	11.04	11.01	**11.02**	**-0.04**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0015**	10.96	11.13	**11.04**	**0.00**	11.04	0.4905	51	
001.99	Loss on Drying (%)	Miscellaneous	**0918**	11.05	11.07	**11.06**	**0.03**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**2259**	11.083	11.089	**11.09**	**0.09**	11.04	0.4905	51	
001.99	Loss on Drying (%)	Miscellaneous	**0720**	11.12	11.19	**11.16**	**0.23**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0358**	11.17	11.19	**11.18**	**0.28**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0505**	11.2	11.17	**11.18**	**0.29**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0278**	11.13	11.27	**11.2**	**0.32**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0226**	11.18	11.27	**11.22**	**0.37**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0028**	11.169	11.284	**11.23**	**0.37**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0297**	11.24	11.25	**11.24**	**0.41**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0083**	11.35	11.19	**11.27**	**0.46**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0035**	11.37	11.18	**11.28**	**0.47**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0033**	11.3	11.3	**11.3**	**0.52**	11.04	0.4905	51	7
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0581**	11.37	11.42	**11.4**	**0.72**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0098**	11.4	11.4	**11.4**	**0.73**	11.04	0.4905	51	7

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0876**	11.485	11.421	**11.45**	**0.83**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0512**	11.75	11.29	**11.52**	**0.97**	11.04	0.4905	51	
001.03	Loss on Drying (%)	Low temp. methods	**0202**	11.5	11.7	**11.6**	**1.13**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0407**	11.5814	11.6269	**11.6**	**1.14**	11.04	0.4905	51	
001.00	Loss on Drying (%)	Vac 95°C 5 hr	**0407**	11.5166	11.7063	**11.61**	**1.16**	11.04	0.4905	51	
001.99	Loss on Drying (%)	Miscellaneous	**2066**	11.63	11.76	**11.7**	**1.33**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0045**	11.8	11.6	**11.7**	**1.34**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0693**	11.8	11.6	**11.7**	**1.34**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0353**	11.8	11.71	**11.76**	**1.45**	11.04	0.4905	51	
001.00	Loss on Drying (%)	Vac 95°C 5 hr	**0504**	11.74	11.88	**11.81**	**1.56**	11.04	0.4905	51	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	**0366**	12.4	11.8	**12.1**	**2.15**	11.04	0.4905	51	

Protein, Crude (%)

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
002.11	Protein, Crude (%)	NIR	**0297**	14.52	14.61	**14.56**	**-12.70**	18.69	0.3245	121	2
002.00	Protein, Crude (%)	Crude	**0169**	17.21	17.45	**17.33**	**-4.18**	18.69	0.3245	121	
002.04	Protein, Crude (%)	Copper Catalyst	**0504**	16.95	18.26	**17.6**	**-3.33**	18.69	0.3245	121	1
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0345**	18.02	18.06	**18.04**	**-1.99**	18.69	0.3245	121	
002.11	Protein, Crude (%)	NIR	**0610**	18	18.1	**18.05**	**-1.96**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**2326**	18.11	18.06	**18.08**	**-1.86**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0297**	18.22	18.04	**18.13**	**-1.72**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0011**	18.09	18.18	**18.14**	**-1.70**	18.69	0.3245	121	
002.05	Protein, Crude (%)	Copper, Boric Acid	**2006**	18.36	18.01	**18.18**	**-1.55**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0510**	18.2	18.2	**18.2**	**-1.50**	18.69	0.3245	121	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0589**	18.28	18.17	**18.22**	**-1.42**	18.69	0.3245	121	
002.05	Protein, Crude (%)	Copper, Boric Acid	**2246**	18.3388	18.1163	**18.23**	**-1.42**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**2076**	18.332	18.14	**18.24**	**-1.39**	18.69	0.3245	121	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0853**	17.9	18.6	**18.25**	**-1.35**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0227**	18.06	18.5	**18.28**	**-1.25**	18.69	0.3245	121	
002.05	Protein, Crude (%)	Copper, Boric Acid	**2181**	18.29	18.27	**18.28**	**-1.25**	18.69	0.3245	121	
002.01	Protein, Crude (%)	Auto Kjel-Foss	**2517**	18.14	18.43	**18.28**	**-1.24**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0242**	18.43	18.19	**18.31**	**-1.16**	18.69	0.3245	121	
002.01	Protein, Crude (%)	Auto Kjel-Foss	**2322**	18.24	18.39	**18.32**	**-1.15**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0043**	18.37	18.29	**18.33**	**-1.10**	18.69	0.3245	121	
002.99	Protein, Crude (%)	Miscellaneous	**2066**	18.3	18.4	**18.35**	**-1.04**	18.69	0.3245	121	
002.01	Protein, Crude (%)	Auto Kjel-Foss	**0043**	18.256	18.475	**18.37**	**-0.99**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0511**	18.24	18.51	**18.38**	**-0.96**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0278**	18.3	18.5	**18.4**	**-0.88**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0034**	18.048	18.82	**18.43**	**-0.78**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0263**	18.467	18.457	**18.46**	**-0.69**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0505**	18.44	18.49	**18.46**	**-0.68**	18.69	0.3245	121	
002.01	Protein, Crude (%)	Auto Kjel-Foss	**0968**	18.44	18.49	**18.46**	**-0.68**	18.69	0.3245	121	
002.01	Protein, Crude (%)	Auto Kjel-Foss	**2196**	18.47	18.47	**18.47**	**-0.67**	18.69	0.3245	121	7
002.08	Protein, Crude (%)	Cu/Ti	**0098**	18.6	18.37	**18.48**	**-0.62**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0202**	18.2	18.8	**18.5**	**-0.58**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0010**	18.3	18.7	**18.5**	**-0.58**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0574**	18.6	18.4	**18.5**	**-0.58**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0042**	18.5	18.5	**18.5**	**-0.58**	18.69	0.3245	121	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0504**	18.75	18.25	**18.5**	**-0.58**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0720**	18.4	18.6	**18.5**	**-0.58**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**2433**	18.5	18.5	**18.5**	**-0.58**	18.69	0.3245	121	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**2184**	19.02	18	**18.51**	**-0.55**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0358**	18.48	18.55	**18.52**	**-0.53**	18.69	0.3245	121	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0876**	18.65	18.389	**18.52**	**-0.52**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0144**	18.39	18.67	**18.53**	**-0.48**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0968**	18.53	18.53	**18.53**	**-0.48**	18.69	0.3245	121	7
002.05	Protein, Crude (%)	Copper, Boric Acid	**2146**	18.67	18.4	**18.54**	**-0.47**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0539**	18.73	18.37	**18.55**	**-0.42**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0541**	18.23	18.88	**18.56**	**-0.41**	18.69	0.3245	121	
002.01	Protein, Crude (%)	Auto Kjel-Foss	**2259**	18.534	18.589	**18.56**	**-0.39**	18.69	0.3245	121	
002.01	Protein, Crude (%)	Auto Kjel-Foss	**2434**	18.57	18.57	**18.57**	**-0.36**	18.69	0.3245	121	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0650**	18.96	18.19	**18.58**	**-0.35**	18.69	0.3245	121	
002.02	Protein, Crude (%)	Semiauto Autoanalyzer	**0066**	18.61	18.54	**18.58**	**-0.35**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0512**	18.37	18.78	**18.58**	**-0.35**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0675**	18.56	18.59	**18.58**	**-0.35**	18.69	0.3245	121	
002.05	Protein, Crude (%)	Copper, Boric Acid	**0563**	18.5762	18.579	**18.58**	**-0.34**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0298**	18.57	18.59	**18.58**	**-0.33**	18.69	0.3245	121	
002.08	Protein, Crude (%)	Cu/Ti	**0563**	18.5784	18.5841	**18.58**	**-0.33**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0027**	18.56	18.65	**18.6**	**-0.25**	18.69	0.3245	121	
002.01	Protein, Crude (%)	Auto Kjel-Foss	**2526**	18.49	18.72	**18.6**	**-0.25**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0018**	18.49	18.81	**18.65**	**-0.11**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0229**	18.57	18.76	**18.66**	**-0.07**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0123**	18.71	18.67	**18.69**	**0.01**	18.69	0.3245	121	
002.05	Protein, Crude (%)	Copper, Boric Acid	**2144**	18.49	18.89	**18.69**	**0.01**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0300**	18.71	18.68	**18.7**	**0.02**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**2246**	18.9232	18.4721	**18.7**	**0.03**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0208**	18.7	18.7	**18.7**	**0.04**	18.69	0.3245	121	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0098**	18.9	18.5	**18.7**	**0.04**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0692**	19.1	18.3	**18.7**	**0.04**	18.69	0.3245	121	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0009**	18.758	18.645	**18.7**	**0.04**	18.69	0.3245	121	
002.01	Protein, Crude (%)	Auto Kjel-Foss	**2188**	18.65	18.77	**18.71**	**0.07**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0964**	18.667	18.759	**18.71**	**0.08**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0004**	18.75	18.68	**18.72**	**0.09**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0033**	18.8	18.7	**18.75**	**0.19**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0366**	18.4	19.1	**18.75**	**0.19**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0918**	19	18.5	**18.75**	**0.19**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0028**	17.878	19.628	**18.75**	**0.20**	18.69	0.3245	121	1
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0596**	18.76	18.75	**18.76**	**0.21**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0870**	18.5375	19.0062	**18.77**	**0.26**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**2476**	18.826	18.721	**18.77**	**0.27**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0035**	18.74	18.85	**18.8**	**0.33**	18.69	0.3245	121	
002.04	Protein, Crude (%)	Copper Catalyst	**2531**	18.75	18.84	**18.8**	**0.33**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0001**	19.12	18.48	**18.8**	**0.35**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0045**	18.6	19	**18.8**	**0.35**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0100**	18.63	19	**18.82**	**0.39**	18.69	0.3245	121	
002.05	Protein, Crude (%)	Copper, Boric Acid	**2506**	18.72	18.91	**18.82**	**0.39**	18.69	0.3245	121	
002.05	Protein, Crude (%)	Copper, Boric Acid	**0536**	18.75	18.89	**18.82**	**0.41**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**2532**	18.8	18.85	**18.82**	**0.43**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0353**	18.8	18.86	**18.83**	**0.44**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0108**	19	18.7	**18.85**	**0.50**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0848**	18.8	18.9	**18.85**	**0.50**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0956**	19	18.7	**18.85**	**0.50**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0529**	18.67	19.04	**18.86**	**0.52**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0508**	18.975	18.74	**18.86**	**0.53**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0571**	18.88	18.85	**18.86**	**0.55**	18.69	0.3245	121	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0546**	18.875	18.87	**18.87**	**0.57**	18.69	0.3245	121	
002.01	Protein, Crude (%)	Auto Kjel-Foss	**0870**	18.875	18.875	**18.88**	**0.58**	18.69	0.3245	121	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0074**	18.88	18.88	**18.88**	**0.59**	18.69	0.3245	121	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**2181**	18.9	18.88	**18.89**	**0.63**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0171**	18.9	18.89	**18.9**	**0.64**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0610**	18.8	19	**18.9**	**0.66**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0294**	18.81	19.02	**18.92**	**0.70**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0019**	18.945	18.92	**18.93**	**0.76**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0190**	18.96	18.91	**18.94**	**0.76**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0226**	19.1	18.78	**18.94**	**0.78**	18.69	0.3245	121	
002.01	Protein, Crude (%)	Auto Kjel-Foss	**2465**	19.11	18.79	**18.95**	**0.81**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0693**	18.8	19.1	**18.95**	**0.81**	18.69	0.3245	121	
002.02	Protein, Crude (%)	Semiauto Autoanalyzer	**2522**	18.85	19.05	**18.95**	**0.81**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**2349**	18.8	19.2	**19**	**0.96**	18.69	0.3245	121	
002.01	Protein, Crude (%)	Auto Kjel-Foss	**0227**	19.06	19	**19.03**	**1.06**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0618**	18.91	19.18	**19.04**	**1.10**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0038**	18.8	19.3	**19.05**	**1.12**	18.69	0.3245	121	
002.11	Protein, Crude (%)	NIR	**0852**	19.02	19.08	**19.05**	**1.12**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0357**	18.975	19.15	**19.06**	**1.16**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0407**	18.791	19.336	**19.06**	**1.16**	18.69	0.3245	121	
002.99	Protein, Crude (%)	Miscellaneous	**2302**	19.15	19.11	**19.13**	**1.37**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0083**	19.12	19.2	**19.16**	**1.46**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**2213**	19.3	19.1	**19.2**	**1.58**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**2150**	19.13	19.29	**19.21**	**1.61**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0687**	19.18	19.32	**19.25**	**1.74**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0186**	18.73	19.94	**19.34**	**2.00**	18.69	0.3245	121	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0953**	19.41	19.51	**19.46**	**2.38**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0682**	19.31	19.69	**19.5**	**2.51**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0598**	19.24	19.82	**19.53**	**2.60**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**2129**	18.976	20.088	**19.53**	**2.60**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0726**	19.44	19.81	**19.62**	**2.89**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0036**	19.906	19.565	**19.74**	**3.23**	18.69	0.3245	121	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	**0520**	20.61	20.51	**20.56**	**5.77**	18.69	0.3245	121	

Fat, Crude (%)

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
003.99	Fat, Crude (%)	Miscellaneous	**2532**	1.81	1.36	**1.585**	**-4.31**	2.385	0.1859	106	
003.11	Fat, Crude (%)	NIR	**0297**	1.93	1.92	**1.925**	**-2.48**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0089**	1.915	2.015	**1.965**	**-2.26**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0186**	2.06	1.95	**2.005**	**-2.05**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**2459**	2.01	2.03	**2.02**	**-1.97**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0019**	2.12	1.93	**2.025**	**-1.94**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0529**	2.09	2.07	**2.08**	**-1.64**	2.385	0.1859	106	
003.06	Fat, Crude (%)	Pet Ether	**0687**	2.36	1.84	**2.1**	**-1.54**	2.385	0.1859	106	
003.06	Fat, Crude (%)	Pet Ether	**0169**	2.07	2.15	**2.11**	**-1.48**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0682**	1.72	2.58	**2.15**	**-1.27**	2.385	0.1859	106	
003.12	Fat, Crude (%)	Hexane Ext	**2326**	2.17	2.14	**2.155**	**-1.24**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0045**	2.3	2.02	**2.16**	**-1.21**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0263**	2.15	2.174	**2.162**	**-1.20**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0042**	2.05	2.29	**2.17**	**-1.16**	2.385	0.1859	106	
003.06	Fat, Crude (%)	Pet Ether	**0968**	2.17	2.17	**2.17**	**-1.16**	2.385	0.1859	106	7
003.14	Fat, Crude (%)	Ankom	**0520**	2.22	2.14	**2.18**	**-1.10**	2.385	0.1859	106	
003.06	Fat, Crude (%)	Pet Ether	**0297**	2.2	2.17	**2.185**	**-1.08**	2.385	0.1859	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
003.14	Fat, Crude (%)	Ankom	**0278**	2.1	2.3	**2.2**	**-1.00**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0956**	2.2	2.2	**2.2**	**-1.00**	2.385	0.1859	106	7
003.14	Fat, Crude (%)	Ankom	**0968**	2.22	2.22	**2.22**	**-0.89**	2.385	0.1859	106	7
003.14	Fat, Crude (%)	Ankom	**0229**	2.1	2.35	**2.225**	**-0.86**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0015**	2.18	2.31	**2.245**	**-0.76**	2.385	0.1859	106	
003.13	Fat, Crude (%)	Randall, Hexane Ext.	**0098**	2.13	2.36	**2.245**	**-0.76**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0693**	2.1	2.4	**2.25**	**-0.73**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**2076**	2.2255	2.331	**2.278**	**-0.58**	2.385	0.1859	106	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	**2476**	2.239	2.32	**2.28**	**-0.57**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0876**	2.171	2.391	**2.281**	**-0.56**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0598**	2.26	2.31	**2.285**	**-0.54**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0358**	2.18	2.41	**2.295**	**-0.49**	2.385	0.1859	106	
003.06	Fat, Crude (%)	Pet Ether	**0918**	2.27	2.32	**2.295**	**-0.49**	2.385	0.1859	106	
003.99	Fat, Crude (%)	Miscellaneous	**2066**	2.25	2.36	**2.305**	**-0.43**	2.385	0.1859	106	
003.01	Fat, Crude (%)	Diethyl Ether Ext (13th ed.), Indirect	**0504**	2.5	2.12	**2.31**	**-0.41**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0202**	2.29	2.34	**2.315**	**-0.38**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**2465**	2.26	2.39	**2.325**	**-0.32**	2.385	0.1859	106	
003.06	Fat, Crude (%)	Pet Ether	**2465**	2.26	2.39	**2.325**	**-0.32**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**2434**	2.36	2.3	**2.33**	**-0.30**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0870**	2.391	2.278	**2.334**	**-0.27**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0083**	2.3	2.37	**2.335**	**-0.27**	2.385	0.1859	106	
003.06	Fat, Crude (%)	Pet Ether	**0294**	2.38	2.29	**2.335**	**-0.27**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0505**	2.39	2.28	**2.335**	**-0.27**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**2196**	2.34	2.34	**2.34**	**-0.24**	2.385	0.1859	106	7
003.14	Fat, Crude (%)	Ankom	**0848**	2.33	2.36	**2.345**	**-0.22**	2.385	0.1859	106	
003.00	Fat, Crude (%)	Diethyl Ether Ext., Direct	**0596**	2.51	2.19	**2.35**	**-0.19**	2.385	0.1859	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
003.10	Fat, Crude (%)	Randall, Pet Ether	**0366**	2.4	2.3	**2.35**	**-0.19**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0033**	2.3	2.4	**2.35**	**-0.19**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0034**	2.36	2.34	**2.35**	**-0.19**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0066**	2.48	2.23	**2.355**	**-0.16**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0511**	2.32	2.39	**2.355**	**-0.16**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0242**	2.34	2.38	**2.36**	**-0.14**	2.385	0.1859	106	
003.99	Fat, Crude (%)	Miscellaneous	**0536**	2.35	2.37	**2.36**	**-0.14**	2.385	0.1859	106	
003.00	Fat, Crude (%)	Diethyl Ether Ext., Direct	**0043**	2.38	2.35	**2.365**	**-0.11**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0074**	2.35	2.38	**2.365**	**-0.11**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**2188**	2.39	2.36	**2.375**	**-0.06**	2.385	0.1859	106	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	**0964**	2.267	2.487	**2.377**	**-0.04**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0004**	2.44	2.32	**2.38**	**-0.03**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**2184**	2.31	2.45	**2.38**	**-0.03**	2.385	0.1859	106	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	**0004**	2.39	2.4	**2.395**	**0.05**	2.385	0.1859	106	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	**0512**	2.374	2.422	**2.398**	**0.07**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0123**	2.44	2.36	**2.4**	**0.08**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0035**	2.43	2.37	**2.4**	**0.08**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0357**	2.23	2.58	**2.405**	**0.11**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0675**	2.38	2.43	**2.405**	**0.11**	2.385	0.1859	106	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	**2349**	2.4	2.42	**2.41**	**0.13**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**2302**	2.3	2.54	**2.42**	**0.19**	2.385	0.1859	106	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	**0098**	2.37	2.49	**2.43**	**0.24**	2.385	0.1859	106	
003.99	Fat, Crude (%)	Miscellaneous	**0546**	2.38	2.49	**2.435**	**0.27**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0001**	2.527	2.355	**2.441**	**0.30**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0100**	2.47	2.42	**2.445**	**0.32**	2.385	0.1859	106	
003.06	Fat, Crude (%)	Pet Ether	**2181**	2.49	2.4	**2.445**	**0.32**	2.385	0.1859	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
003.00	Fat, Crude (%)	Diethyl Ether Ext., Direct	**2531**	2.4	2.49	**2.445**	**0.32**	2.385	0.1859	106	
003.13	Fat, Crude (%)	Randall, Hexane Ext.	**0011**	2.46	2.44	**2.45**	**0.35**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0610**	2.42	2.48	**2.45**	**0.35**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0171**	2.44	2.46	**2.45**	**0.35**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0541**	2.4	2.5	**2.45**	**0.35**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0581**	2.42	2.49	**2.455**	**0.37**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0036**	2.6648	2.2469	**2.456**	**0.38**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0720**	2.45	2.47	**2.46**	**0.40**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**2506**	2.44	2.49	**2.465**	**0.43**	2.385	0.1859	106	
003.12	Fat, Crude (%)	Hexane Ext	**2522**	2.45	2.5	**2.475**	**0.48**	2.385	0.1859	106	
003.01	Fat, Crude (%)	Diethyl Ether Ext (13th ed.), Indirect	**0227**	2.51	2.45	**2.48**	**0.51**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0563**	2.4558	2.5537	**2.505**	**0.64**	2.385	0.1859	106	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	**0353**	2.44	2.58	**2.51**	**0.67**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0692**	2.69	2.34	**2.515**	**0.70**	2.385	0.1859	106	
003.13	Fat, Crude (%)	Randall, Hexane Ext.	**2246**	2.2086	2.8244	**2.516**	**0.71**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**2526**	2.44	2.6	**2.52**	**0.72**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0407**	2.2707	2.8193	**2.545**	**0.86**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0300**	2.44	2.66	**2.55**	**0.89**	2.385	0.1859	106	
003.12	Fat, Crude (%)	Hexane Ext	**0171**	2.55	2.56	**2.555**	**0.91**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0618**	2.64	2.53	**2.585**	**1.07**	2.385	0.1859	106	
003.06	Fat, Crude (%)	Pet Ether	**2517**	2.6	2.58	**2.59**	**1.10**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**2517**	2.6	2.58	**2.59**	**1.10**	2.385	0.1859	106	
003.00	Fat, Crude (%)	Diethyl Ether Ext., Direct	**0682**	1.84	3.35	**2.595**	**1.13**	2.385	0.1859	106	1
003.06	Fat, Crude (%)	Pet Ether	**0682**	1.84	3.35	**2.595**	**1.13**	2.385	0.1859	106	1
003.14	Fat, Crude (%)	Ankom	**2146**	2.56	2.64	**2.6**	**1.15**	2.385	0.1859	106	
003.06	Fat, Crude (%)	Pet Ether	**0675**	2.53	2.69	**2.61**	**1.21**	2.385	0.1859	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
003.01	Fat, Crude (%)	Diethyl Ether Ext (13th ed.), Indirect	**0563**	2.6148	2.6289	**2.622**	**1.27**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**0098**	2.53	2.82	**2.675**	**1.56**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0190**	2.65	2.7	**2.675**	**1.56**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0108**	3.24	2.13	**2.685**	**1.61**	2.385	0.1859	106	1
003.14	Fat, Crude (%)	Ankom	**2433**	2.7895	2.7249	**2.757**	**2.00**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0510**	2.75	2.79	**2.77**	**2.07**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0726**	2.89	2.9	**2.895**	**2.74**	2.385	0.1859	106	
003.10	Fat, Crude (%)	Randall, Pet Ether	**2525**	3	3	**3**	**3.31**	2.385	0.1859	106	7
003.00	Fat, Crude (%)	Diethyl Ether Ext., Direct	**0345**	3.02	3	**3.01**	**3.36**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0298**	3.09	3.11	**3.1**	**3.84**	2.385	0.1859	106	
003.11	Fat, Crude (%)	NIR	**0852**	3.35	3.29	**3.32**	**5.03**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0226**	3.49	3.38	**3.435**	**5.65**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0144**	3.52	3.45	**3.485**	**5.92**	2.385	0.1859	106	
003.14	Fat, Crude (%)	Ankom	**0574**	3.79	3.78	**3.785**	**7.53**	2.385	0.1859	106	

Fiber, Crude (%)

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
004.07	Fiber, Crude (%)	ANKOM	**0848**	2.92	2.94	**2.93**	**-2.01**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0860**	3.06	3.06	**3.06**	**-1.66**	3.676	0.3716	93	7
004.03	Fiber, Crude (%)	Fritted Glass	**2246**	3.0735	3.0633	**3.068**	**-1.63**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0100**	3.07	3.11	**3.09**	**-1.58**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0366**	3.2	3	**3.1**	**-1.55**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0407**	2.8917	3.3127	**3.102**	**-1.54**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0589**	3.13	3.14	**3.135**	**-1.46**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0956**	3	3.3	**3.15**	**-1.41**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0504**	3.13	3.19	**3.16**	**-1.39**	3.676	0.3716	93	
004.00	Fiber, Crude (%)	Asbestos Free	**0169**	3.25	3.09	**3.17**	**-1.36**	3.676	0.3716	93	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
004.07	Fiber, Crude (%)	ANKOM	**0028**	3.202	3.155	**3.178**	**-1.34**	3.676	0.3716	93	
004.99	Fiber, Crude (%)	Miscellaneous	**2129**	3.281	3.084	**3.182**	**-1.33**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0226**	3.16	3.37	**3.265**	**-1.11**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0098**	3.18	3.49	**3.335**	**-0.92**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0682**	3.6	3.1	**3.35**	**-0.88**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0190**	3.4	3.4	**3.4**	**-0.74**	3.676	0.3716	93	7
004.07	Fiber, Crude (%)	ANKOM	**0692**	3.1	3.7	**3.4**	**-0.74**	3.676	0.3716	93	
004.00	Fiber, Crude (%)	Asbestos Free	**0208**	3.44	3.37	**3.405**	**-0.73**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0563**	3.3165	3.5025	**3.41**	**-0.72**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0708**	3.5	3.34	**3.42**	**-0.69**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0066**	3.51	3.37	**3.44**	**-0.63**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2188**	3.48	3.43	**3.455**	**-0.59**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0242**	3.47	3.48	**3.475**	**-0.54**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0202**	3.11	3.84	**3.475**	**-0.54**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0300**	3.25	3.72	**3.485**	**-0.51**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0870**	3.5809	3.4059	**3.493**	**-0.49**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0520**	3.51	3.51	**3.51**	**-0.45**	3.676	0.3716	93	7
004.07	Fiber, Crude (%)	ANKOM	**0004**	3.43	3.61	**3.52**	**-0.42**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0598**	3.53	3.51	**3.52**	**-0.42**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2196**	3.52	3.52	**3.52**	**-0.42**	3.676	0.3716	93	7
004.07	Fiber, Crude (%)	ANKOM	**2302**	3.47	3.57	**3.52**	**-0.42**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2506**	3.5	3.59	**3.545**	**-0.35**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2434**	3.52	3.57	**3.545**	**-0.35**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0675**	3.51	3.59	**3.55**	**-0.34**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0278**	3.7	3.4	**3.55**	**-0.34**	3.676	0.3716	93	
004.00	Fiber, Crude (%)	Asbestos Free	**2146**	3.54	3.57	**3.555**	**-0.33**	3.676	0.3716	93	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
004.07	Fiber, Crude (%)	ANKOM	**0918**	3.37	3.76	**3.565**	**-0.30**	3.676	0.3716	93	
004.99	Fiber, Crude (%)	Miscellaneous	**2144**	3.56	3.58	**3.57**	**-0.28**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0581**	3.62	3.55	**3.585**	**-0.24**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2532**	3.65	3.52	**3.585**	**-0.24**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2146**	3.57	3.62	**3.595**	**-0.22**	3.676	0.3716	93	
004.06	Fiber, Crude (%)	Fibertec	**0964**	3.58	3.62	**3.6**	**-0.20**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0083**	3.65	3.56	**3.605**	**-0.19**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0123**	3.54	3.68	**3.61**	**-0.18**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0015**	3.68	3.57	**3.625**	**-0.14**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0529**	3.72	3.53	**3.625**	**-0.14**	3.676	0.3716	93	
004.06	Fiber, Crude (%)	Fibertec	**0038**	3.62	3.64	**3.63**	**-0.12**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2144**	3.65	3.63	**3.64**	**-0.10**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2259**	3.605	3.692	**3.648**	**-0.07**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0298**	3.67	3.69	**3.68**	**0.01**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0089**	3.705	3.675	**3.69**	**0.04**	3.676	0.3716	93	
004.00	Fiber, Crude (%)	Asbestos Free	**0227**	3.8	3.6	**3.7**	**0.07**	3.676	0.3716	93	
004.06	Fiber, Crude (%)	Fibertec	**0720**	3.82	3.61	**3.715**	**0.11**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2433**	3.6574	3.779	**3.718**	**0.11**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0505**	3.89	3.6	**3.745**	**0.19**	3.676	0.3716	93	
004.00	Fiber, Crude (%)	Asbestos Free	**0171**	3.76	3.74	**3.75**	**0.20**	3.676	0.3716	93	
004.06	Fiber, Crude (%)	Fibertec	**2006**	3.88	3.64	**3.76**	**0.23**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2181**	3.78	3.75	**3.765**	**0.24**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0009**	3.79	3.75	**3.77**	**0.25**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0294**	3.66	3.88	**3.77**	**0.25**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0074**	3.82	3.73	**3.775**	**0.27**	3.676	0.3716	93	
004.00	Fiber, Crude (%)	Asbestos Free	**0186**	3.87	3.71	**3.79**	**0.31**	3.676	0.3716	93	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
004.00	Fiber, Crude (%)	Asbestos Free	**2531**	3.82	3.78	**3.8**	**0.33**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0536**	3.8	3.81	**3.805**	**0.35**	3.676	0.3716	93	
004.06	Fiber, Crude (%)	Fibertec	**0968**	3.75	3.9	**3.825**	**0.40**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0968**	3.79	3.87	**3.83**	**0.41**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0019**	4.245	3.45	**3.848**	**0.46**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2363**	3.9	3.8	**3.85**	**0.47**	3.676	0.3716	93	
004.06	Fiber, Crude (%)	Fibertec	**0027**	3.852	3.946	**3.899**	**0.60**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2526**	3.9	3.9	**3.9**	**0.60**	3.676	0.3716	93	7
004.03	Fiber, Crude (%)	Fritted Glass	**0353**	4.25	3.62	**3.935**	**0.70**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0034**	3.9	3.97	**3.935**	**0.70**	3.676	0.3716	93	
004.06	Fiber, Crude (%)	Fibertec	**0098**	3.83	4.08	**3.955**	**0.75**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2322**	3.94	4.02	**3.98**	**0.82**	3.676	0.3716	93	
004.06	Fiber, Crude (%)	Fibertec	**2522**	3.98	4	**3.99**	**0.85**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0045**	3.87	4.13	**4**	**0.87**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0042**	3.97	4.03	**4**	**0.87**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0263**	4.07	3.945	**4.008**	**0.89**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0511**	4.1	4	**4.05**	**1.01**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0726**	4.2	4.06	**4.13**	**1.22**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0011**	4.24	4.04	**4.14**	**1.25**	3.676	0.3716	93	
004.11	Fiber, Crude (%)	NIR	**0610**	4.07	4.21	**4.14**	**1.25**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2184**	4.08	4.24	**4.16**	**1.30**	3.676	0.3716	93	
004.06	Fiber, Crude (%)	Fibertec	**2349**	4.1	4.4	**4.25**	**1.54**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0229**	4.67	3.84	**4.255**	**1.56**	3.676	0.3716	93	1
004.11	Fiber, Crude (%)	NIR	**0852**	4.34	4.35	**4.345**	**1.80**	3.676	0.3716	93	
004.06	Fiber, Crude (%)	Fibertec	**0610**	4.42	4.33	**4.375**	**1.88**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0043**	4.39	4.42	**4.405**	**1.96**	3.676	0.3716	93	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
004.99	Fiber, Crude (%)	Miscellaneous	**2465**	4.55	4.43	**4.49**	**2.19**	3.676	0.3716	93	
004.06	Fiber, Crude (%)	Fibertec	**2465**	4.55	4.43	**4.49**	**2.19**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2326**	4.84	4.53	**4.685**	**2.72**	3.676	0.3716	93	
004.00	Fiber, Crude (%)	Asbestos Free	**0345**	4.98	5.01	**4.995**	**3.55**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**2476**	4.866	5.192	**5.029**	**3.64**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0510**	5.1	5.3	**5.2**	**4.10**	3.676	0.3716	93	
004.07	Fiber, Crude (%)	ANKOM	**0693**	7.5	8.5	**8**	**11.64**	3.676	0.3716	93	3
					Ash (%)						
005.99	Ash (%)	Miscellaneous	**0546**	4.96	4.9	**4.93**	**-2.81**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0539**	5.21	4.93	**5.07**	**-2.31**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0574**	5.23	5.01	**5.12**	**-2.14**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2433**	5.24	5.14	**5.19**	**-1.89**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0169**	5.18	5.25	**5.215**	**-1.80**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2326**	5.19	5.28	**5.235**	**-1.73**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0011**	5.21	5.27	**5.24**	**-1.71**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0208**	5.2	5.37	**5.285**	**-1.55**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0366**	5.4	5.2	**5.3**	**-1.50**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0953**	5.39	5.26	**5.325**	**-1.41**	5.725	0.2829	106	
005.99	Ash (%)	Miscellaneous	**2066**	5.35	5.3	**5.325**	**-1.41**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0848**	5.34	5.32	**5.33**	**-1.39**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2184**	5.18	5.49	**5.335**	**-1.38**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2532**	5.45	5.23	**5.34**	**-1.36**	5.725	0.2829	106	
005.03	Ash (%)	Microwave furnace	**0511**	5.4	5.3	**5.35**	**-1.32**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0505**	5.33	5.37	**5.35**	**-1.32**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0682**	5.14	5.64	**5.39**	**-1.18**	5.725	0.2829	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
005.00	Ash (%)	2h @ 600°C	**0598**	5.4	5.42	**5.41**	**-1.11**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0918**	5.46	5.38	**5.42**	**-1.08**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0042**	5.33	5.52	**5.425**	**-1.06**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0227**	5.4	5.46	**5.43**	**-1.04**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2268**	5.7	5.19	**5.445**	**-0.99**	5.725	0.2829	106	1
005.00	Ash (%)	2h @ 600°C	**2349**	5.41	5.5	**5.455**	**-0.95**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**0692**	5.41	5.51	**5.46**	**-0.94**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0504**	5.49	5.44	**5.465**	**-0.92**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0186**	5.47	5.49	**5.48**	**-0.86**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0297**	5.69	5.42	**5.555**	**-0.60**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2302**	5.46	5.71	**5.585**	**-0.49**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0015**	5.76	5.44	**5.6**	**-0.44**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0298**	5.61	5.63	**5.62**	**-0.37**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**2517**	5.6353	5.6214	**5.628**	**-0.34**	5.725	0.2829	106	
005.03	Ash (%)	Microwave furnace	**2517**	5.6353	5.6214	**5.628**	**-0.34**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0229**	5.58	5.68	**5.63**	**-0.33**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0242**	5.71	5.55	**5.63**	**-0.33**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0964**	5.85	5.42	**5.635**	**-0.32**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0876**	5.625	5.664	**5.644**	**-0.28**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0045**	5.75	5.54	**5.645**	**-0.28**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0510**	5.67	5.63	**5.65**	**-0.26**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0357**	5.7	5.6	**5.65**	**-0.26**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0226**	5.66	5.64	**5.65**	**-0.26**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**0720**	5.72	5.58	**5.65**	**-0.26**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2006**	5.68	5.64	**5.66**	**-0.23**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2188**	5.7	5.62	**5.66**	**-0.23**	5.725	0.2829	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
005.00	Ash (%)	2h @ 600°C	**2259**	5.695	5.634	**5.664**	**-0.21**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0004**	5.65	5.74	**5.695**	**-0.10**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0956**	6	5.4	**5.7**	**-0.09**	5.725	0.2829	106	1
005.00	Ash (%)	2h @ 600°C	**0693**	5.7	5.7	**5.7**	**-0.09**	5.725	0.2829	106	7
005.00	Ash (%)	2h @ 600°C	**0083**	5.68	5.73	**5.705**	**-0.07**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0353**	5.66	5.75	**5.705**	**-0.07**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0358**	5.56	5.86	**5.71**	**-0.05**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**0726**	5.73	5.72	**5.725**	**0.00**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0563**	5.7833	5.6677	**5.726**	**0.00**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2076**	5.7753	5.6761	**5.726**	**0.00**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0035**	5.72	5.74	**5.73**	**0.02**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0512**	5.791	5.684	**5.738**	**0.05**	5.725	0.2829	106	
005.99	Ash (%)	Miscellaneous	**0536**	5.75	5.73	**5.74**	**0.05**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0089**	5.745	5.74	**5.742**	**0.06**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**0034**	5.713	5.787	**5.75**	**0.09**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0870**	5.8288	5.6927	**5.761**	**0.13**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2434**	5.76	5.78	**5.77**	**0.16**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2196**	5.792	5.792	**5.792**	**0.24**	5.725	0.2829	106	7
005.05	Ash (%)	3h @ 550°C	**0263**	5.805	5.783	**5.794**	**0.25**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0100**	5.78	5.83	**5.805**	**0.28**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2526**	5.87	5.76	**5.815**	**0.32**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2246**	5.7634	5.8759	**5.82**	**0.34**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0520**	5.83	5.81	**5.82**	**0.34**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0968**	5.82	5.82	**5.82**	**0.34**	5.725	0.2829	106	7
005.00	Ash (%)	2h @ 600°C	**2531**	5.89	5.76	**5.825**	**0.35**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0001**	5.894	5.764	**5.829**	**0.37**	5.725	0.2829	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
005.00	Ash (%)	2h @ 600°C	**0853**	5.96	5.75	**5.855**	**0.46**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0278**	5.91	5.82	**5.865**	**0.50**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0144**	5.79	5.95	**5.87**	**0.51**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**0294**	5.9	5.85	**5.875**	**0.53**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2525**	6	5.75	**5.875**	**0.53**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0675**	5.87	5.89	**5.88**	**0.55**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0098**	5.8	5.99	**5.895**	**0.60**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**2146**	5.87	5.92	**5.895**	**0.60**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0033**	5.9	5.9	**5.9**	**0.62**	5.725	0.2829	106	7
005.05	Ash (%)	3h @ 550°C	**2465**	5.88	5.92	**5.9**	**0.62**	5.725	0.2829	106	
005.03	Ash (%)	Microwave furnace	**2465**	5.88	5.92	**5.9**	**0.62**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0123**	5.97	5.88	**5.925**	**0.71**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0019**	5.9	5.95	**5.925**	**0.71**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0407**	5.9238	5.9352	**5.93**	**0.72**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0541**	5.98	5.9	**5.94**	**0.76**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2459**	5.93	5.95	**5.94**	**0.76**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0589**	5.95	5.94	**5.945**	**0.78**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0108**	6.02	5.88	**5.95**	**0.80**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0171**	5.88	6.02	**5.95**	**0.80**	5.725	0.2829	106	
005.99	Ash (%)	Miscellaneous	**0202**	5.92	6.01	**5.965**	**0.85**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2476**	5.871	6.059	**5.965**	**0.85**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**0066**	5.92	6.02	**5.97**	**0.87**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2181**	5.98	5.97	**5.975**	**0.88**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**2246**	5.9291	6.0408	**5.985**	**0.92**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0038**	5.93	6.04	**5.985**	**0.92**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**0596**	6	5.98	**5.99**	**0.94**	5.725	0.2829	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
005.00	Ash (%)	2h @ 600°C	**2522**	5.98	6	**5.99**	**0.94**	5.725	0.2829	106	
005.99	Ash (%)	Miscellaneous	**0910**	5.9	6.1	**6**	**0.97**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2506**	5.99	6.01	**6**	**0.97**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0345**	5.97	6.07	**6.02**	**1.04**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**2144**	5.97	6.08	**6.025**	**1.06**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**0190**	6.09	6.04	**6.065**	**1.20**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**0529**	6.2	6.1	**6.15**	**1.50**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**2129**	6.188	6.181	**6.184**	**1.63**	5.725	0.2829	106	
005.05	Ash (%)	3h @ 550°C	**0610**	6.1	6.28	**6.19**	**1.64**	5.725	0.2829	106	
005.00	Ash (%)	2h @ 600°C	**2453**	6.418	6.274	**6.346**	**2.20**	5.725	0.2829	106	
005.11	Ash (%)	NIR	**0610**	6.64	6.46	**6.55**	**2.92**	5.725	0.2829	106	
005.11	Ash (%)	NIR	**0297**	7.73	7.65	**7.69**	**6.95**	5.725	0.2829	106	
005.11	Ash (%)	NIR	**0852**	9.96	9.96	**9.96**	**14.97**	5.725	0.2829	106	7
005.00	Ash (%)	2h @ 600°C	**0618**	14.44	14.06	**14.25**	**30.13**	5.725	0.2829	106	2
					Total Sugars (%)						
006.99	Total Sugars (%)	Miscellaneous	**0918**	2.15	2.08	**2.115**	**-1.29**	4.561	1.9	8	
006.00	Total Sugars (%)	As sucrose	**0407**	2.73	3.19	**2.96**	**-0.84**	4.561	1.9	8	
006.99	Total Sugars (%)	Miscellaneous	**0852**	3.77	3.89	**3.83**	**-0.38**	4.561	1.9	8	
006.99	Total Sugars (%)	Miscellaneous	**0226**	4.19	4.15	**4.17**	**-0.21**	4.561	1.9	8	
006.99	Total Sugars (%)	Miscellaneous	**0956**	5.1	4.7	**4.9**	**0.18**	4.561	1.9	8	
006.01	Total Sugars (%)	Mod. Fehling Soln	**0038**	5.3	5.15	**5.225**	**0.35**	4.561	1.9	8	
006.99	Total Sugars (%)	Miscellaneous	**0610**	5.92	5.84	**5.88**	**0.69**	4.561	1.9	8	
006.00	Total Sugars (%)	As sucrose	**2246**	12.7058	12.7861	**12.75**	**4.31**	4.561	1.9	8	

Fiber, Acid Detergent (%)

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**2129**	3.878	3.739	**3.808**	**-2.47**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0581**	4.42	4.59	**4.505**	**-1.44**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0357**	4.48	4.6407	**4.56**	**-1.35**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0596**	4.68	4.59	**4.635**	**-1.24**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0848**	4.67	4.76	**4.715**	**-1.12**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0227**	6.6	2.9	**4.75**	**-1.07**	5.472	0.6732	45	1
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0968**	4.8	4.8	**4.8**	**-1.00**	5.472	0.6732	45	7
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0675**	4.81	4.94	**4.875**	**-0.89**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0510**	4.9	4.9	**4.9**	**-0.85**	5.472	0.6732	45	7
008.02	Fiber, Acid Detergent (%)	Crucible	**0171**	5.09	4.91	**5**	**-0.70**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0956**	5	5	**5**	**-0.70**	5.472	0.6732	45	7
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**2433**	5.0052	5.0413	**5.023**	**-0.67**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**2196**	5.03	5.03	**5.03**	**-0.66**	5.472	0.6732	45	7
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0004**	5.01	5.08	**5.045**	**-0.63**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0042**	5.29	4.86	**5.075**	**-0.59**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0083**	5.03	5.16	**5.095**	**-0.56**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0278**	5.4	4.8	**5.1**	**-0.55**	5.472	0.6732	45	
008.02	Fiber, Acid Detergent (%)	Crucible	**0353**	5.11	5.14	**5.125**	**-0.52**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0358**	5.02	5.38	**5.2**	**-0.40**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0066**	5.23	5.19	**5.21**	**-0.39**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0511**	5	5.5	**5.25**	**-0.33**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0918**	5.1766	5.3381	**5.257**	**-0.32**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**2302**	5.01	5.57	**5.29**	**-0.27**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0407**	5.2101	5.4494	**5.33**	**-0.21**	5.472	0.6732	45	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**2146**	5.31	5.36	**5.335**	**-0.20**	5.472	0.6732	45	
008.02	Fiber, Acid Detergent (%)	Crucible	**0098**	5.4	5.6	**5.5**	**0.04**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0294**	5.69	5.49	**5.59**	**0.18**	5.472	0.6732	45	
008.02	Fiber, Acid Detergent (%)	Crucible	**0964**	5.561	5.629	**5.595**	**0.18**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0536**	5.71	5.69	**5.7**	**0.34**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0263**	5.704	5.728	**5.716**	**0.36**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**2181**	5.74	5.77	**5.755**	**0.42**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**2326**	5.84	5.83	**5.835**	**0.54**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0693**	6.5	5.2	**5.85**	**0.56**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0001**	6.062	5.811	**5.936**	**0.69**	5.472	0.6732	45	
008.02	Fiber, Acid Detergent (%)	Crucible	**0226**	5.97	5.93	**5.95**	**0.71**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0297**	6	6	**6**	**0.78**	5.472	0.6732	45	7
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0682**	6.5	5.5	**6**	**0.78**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0015**	6.08	6.01	**6.045**	**0.85**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0870**	6.2809	5.8921	**6.086**	**0.91**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0045**	6.27	6.13	**6.2**	**1.08**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0190**	6.36	6.4	**6.38**	**1.35**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0726**	6.36	6.4	**6.38**	**1.35**	5.472	0.6732	45	
008.02	Fiber, Acid Detergent (%)	Crucible	**2246**	6.7704	6.1645	**6.467**	**1.48**	5.472	0.6732	45	
008.99	Fiber, Acid Detergent (%)	Miscellaneous	**0610**	6.29	6.66	**6.475**	**1.49**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0366**	6.6	6.4	**6.5**	**1.53**	5.472	0.6732	45	
008.02	Fiber, Acid Detergent (%)	Crucible	**0345**	6.99	7.12	**7.055**	**2.35**	5.472	0.6732	45	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	**0504**	13.35	13.51	**13.43**	**11.82**	5.472	0.6732	45	2

Fiber, Neutral Detergent (%)

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0504**	5.23	5.42	**5.325**	**-7.77**	14.08	1.127	41	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**2129**	12.343	12.234	**12.29**	**-1.59**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0596**	12.73	12.42	**12.58**	**-1.34**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0278**	13.2	12.2	**12.7**	**-1.23**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0358**	12.68	13.09	**12.88**	**-1.06**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0263**	13.007	12.922	**12.96**	**-0.99**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**2196**	12.97	12.97	**12.97**	**-0.99**	14.08	1.127	41	7
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0918**	13.0028	13.0369	**13.02**	**-0.94**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0083**	13.33	13.18	**13.26**	**-0.74**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**2433**	13.451	13.1357	**13.29**	**-0.70**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**2146**	13.34	13.5	**13.42**	**-0.59**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0015**	13.4	13.49	**13.44**	**-0.57**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**2302**	13.4	13.54	**13.47**	**-0.54**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0598**	13.49	13.54	**13.52**	**-0.50**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0870**	13.6652	13.4657	**13.57**	**-0.46**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0581**	13.78	13.48	**13.63**	**-0.40**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0675**	13.61	13.74	**13.68**	**-0.36**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0357**	13.7	13.76	**13.73**	**-0.31**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0045**	14.3	13.3	**13.8**	**-0.25**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0366**	14.2	13.8	**14**	**-0.07**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0294**	14.01	14.17	**14.09**	**0.01**	14.08	1.127	41	
009.07	Fiber, Neutral Detergent (%)	AOAC -ENZ Pretreat	**0098**	14.6	13.7	**14.15**	**0.06**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0956**	13.9	14.4	**14.15**	**0.06**	14.08	1.127	41	
009.07	Fiber, Neutral Detergent (%)	AOAC -ENZ Pretreat	**0353**	14.38	14.21	**14.3**	**0.19**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0407**	14.0126	14.6699	**14.34**	**0.23**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0848**	14.62	14.3	**14.46**	**0.33**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0968**	14.48	14.48	**14.48**	**0.35**	14.08	1.127	41	7

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0066**	14.17	14.82	**14.5**	**0.37**	14.08	1.127	41	
009.07	Fiber, Neutral Detergent (%)	AOAC -ENZ Pretreat	**0226**	14.41	14.77	**14.59**	**0.45**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0510**	14.6	14.6	**14.6**	**0.46**	14.08	1.127	41	7
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0536**	14.64	14.63	**14.64**	**0.49**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0693**	15.2	14.6	**14.9**	**0.72**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0297**	15.2	15.2	**15.2**	**0.99**	14.08	1.127	41	7
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0190**	15.55	14.91	**15.23**	**1.02**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0726**	15.55	14.91	**15.23**	**1.02**	14.08	1.127	41	
009.07	Fiber, Neutral Detergent (%)	AOAC -ENZ Pretreat	**2246**	15.3142	15.4596	**15.39**	**1.16**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**2326**	15.39	15.41	**15.4**	**1.17**	14.08	1.127	41	
009.07	Fiber, Neutral Detergent (%)	AOAC -ENZ Pretreat	**0964**	16.02	16.02	**16.02**	**1.72**	14.08	1.127	41	7
009.07	Fiber, Neutral Detergent (%)	AOAC -ENZ Pretreat	**0610**	16.1	16.1	**16.1**	**1.79**	14.08	1.127	41	7
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0227**	16	16.2	**16.1**	**1.79**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**2181**	16.58	16.79	**16.68**	**2.31**	14.08	1.127	41	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	**0682**	17.6	15.8	**16.7**	**2.32**	14.08	1.127	41	1

Moisture (%)

010.99	Moisture (%)	Miscellaneous	**2129**	10.352	10.198	**10.28**	**-1.54**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**2465**	10.46	10.36	**10.41**	**-1.31**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**0546**	10.65	10.48	**10.56**	**-1.06**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**2517**	10.48	10.91	**10.7**	**-0.85**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**0852**	11.05	10.65	**10.85**	**-0.59**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**0692**	10.95	10.84	**10.9**	**-0.52**	11.21	0.6103	19	
010.11	Moisture (%)	NIR	**0610**	10.95	10.9	**10.92**	**-0.47**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**2525**	10.8	11.1	**10.95**	**-0.43**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**0034**	11.23	10.98	**11.1**	**-0.18**	11.21	0.6103	19	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
010.99	Moisture (%)	Miscellaneous	**2506**	11.37	11.25	**11.31**	**0.16**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**2076**	11.23	11.4	**11.32**	**0.17**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**2150**	11.29	11.36	**11.32**	**0.19**	11.21	0.6103	19	
010.03	Moisture (%)	Karl-Fischer	**0227**	11.64	11.2	**11.42**	**0.34**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**0726**	11.59	11.57	**11.58**	**0.60**	11.21	0.6103	19	
010.11	Moisture (%)	NIR	**0852**	11.7	11.5	**11.6**	**0.64**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**0019**	11.59	11.87	**11.73**	**0.85**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**0190**	11.81	11.79	**11.8**	**0.96**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**0011**	12.2	12.47	**12.34**	**1.84**	11.21	0.6103	19	
010.99	Moisture (%)	Miscellaneous	**2476**	12.557	12.295	**12.43**	**1.99**	11.21	0.6103	19	

Loss on Drying (%)

011.01	Loss on Drying (%)	135°C 2hr	**0520**	10.45	10.47	**10.46**	**-4.14**	12.02	0.3765	53	
011.99	Loss on Drying (%)	High Temp. Methods Miscellaneous	**0852**	11.05	10.65	**10.85**	**-3.10**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0589**	10.81	10.94	**10.88**	**-3.04**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0968**	11.15	11.15	**11.15**	**-2.30**	12.02	0.3765	53	7
011.01	Loss on Drying (%)	135°C 2hr	**2522**	11.44	11.5	**11.47**	**-1.45**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2326**	11.53	11.5	**11.52**	**-1.34**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2531**	11.39	11.68	**11.54**	**-1.28**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0563**	11.6158	11.62	**11.62**	**-1.06**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0598**	11.6	11.68	**11.64**	**-1.00**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0510**	11.6	11.7	**11.65**	**-0.98**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2434**	11.67	11.67	**11.67**	**-0.92**	12.02	0.3765	53	7
011.01	Loss on Drying (%)	135°C 2hr	**0066**	11.7	11.66	**11.68**	**-0.90**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0675**	11.71	11.67	**11.69**	**-0.87**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2181**	11.77	11.81	**11.79**	**-0.61**	12.02	0.3765	53	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
011.01	Loss on Drying (%)	135°C 2hr	**0263**	11.847	11.817	**11.83**	**-0.49**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0682**	12.47	11.2	**11.84**	**-0.49**	12.02	0.3765	53	1
011.01	Loss on Drying (%)	135°C 2hr	**2006**	11.83	11.87	**11.85**	**-0.45**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2268**	12.23	11.49	**11.86**	**-0.42**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2526**	11.9	11.84	**11.87**	**-0.39**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0298**	11.88	11.9	**11.89**	**-0.34**	12.02	0.3765	53	
011.02	Loss on Drying (%)	130°C for 2 hours	**0942**	11.83	11.95	**11.89**	**-0.34**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0953**	11.79	11.99	**11.89**	**-0.34**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0108**	11.88	11.96	**11.92**	**-0.26**	12.02	0.3765	53	
011.02	Loss on Drying (%)	130°C for 2 hours	**0529**	11.91	11.93	**11.92**	**-0.26**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0574**	11.93	11.95	**11.94**	**-0.21**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2433**	11.7882	12.094	**11.94**	**-0.20**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0294**	12.02	12.05	**12.04**	**0.05**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0208**	12.4	11.7	**12.05**	**0.09**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2196**	12.06	12.06	**12.06**	**0.11**	12.02	0.3765	53	7
011.01	Loss on Drying (%)	135°C 2hr	**0226**	12.03	12.2	**12.12**	**0.26**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0848**	12.12	12.13	**12.12**	**0.28**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0539**	12.17	12.13	**12.15**	**0.35**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2188**	12.12	12.19	**12.16**	**0.36**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0536**	12.15	12.2	**12.18**	**0.42**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0511**	12.16	12.29	**12.22**	**0.55**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0100**	12.38	12.07	**12.22**	**0.55**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2302**	12.09	12.37	**12.23**	**0.56**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2532**	12.26	12.24	**12.25**	**0.62**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0227**	12.33	12.19	**12.26**	**0.64**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0171**	12.33	12.24	**12.28**	**0.71**	12.02	0.3765	53	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
011.01	Loss on Drying (%)	135°C 2hr	**2246**	12.244	12.3277	**12.29**	**0.71**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0870**	12.6565	11.957	**12.31**	**0.77**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2184**	12.38	12.24	**12.31**	**0.78**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0004**	12.44	12.26	**12.35**	**0.88**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0144**	12.36	12.34	**12.35**	**0.88**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0618**	12.34	12.43	**12.38**	**0.98**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2459**	12.4	12.37	**12.38**	**0.98**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0123**	12.37	12.41	**12.39**	**0.99**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0407**	12.4347	12.4389	**12.44**	**1.11**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0242**	12.55	12.36	**12.46**	**1.16**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0098**	12.72	12.24	**12.48**	**1.23**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0229**	12.33	12.64	**12.48**	**1.24**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**0541**	12.5	12.56	**12.53**	**1.36**	12.02	0.3765	53	
011.01	Loss on Drying (%)	135°C 2hr	**2453**	12.744	12.717	**12.73**	**1.89**	12.02	0.3765	53	

Starch (%)

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
012.99	Starch (%)	Miscellaneous	**2246**	28.5738	28.7543	**28.66**	**-3.43**	37.05	2.444	28	
012.01	Starch (%)	Enzymatic-Colorimetric Method	**0227**	31.4	32.6	**32**	**-2.07**	37.05	2.444	28	
012.01	Starch (%)	Enzymatic-Colorimetric Method	**0956**	33.2	34.8	**34**	**-1.25**	37.05	2.444	28	
012.01	Starch (%)	Enzymatic-Colorimetric Method	**0870**	34.1903	34.8207	**34.51**	**-1.04**	37.05	2.444	28	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	**2129**	34.581	34.721	**34.65**	**-0.98**	37.05	2.444	28	
012.20	Starch (%)	Dietary, Enzymatic-Colorimetric	**0353**	34.7	35.22	**34.96**	**-0.86**	37.05	2.444	28	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	**0045**	34.9	36.1	**35.5**	**-0.64**	37.05	2.444	28	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	**0226**	35.14	36.01	**35.58**	**-0.61**	37.05	2.444	28	
012.99	Starch (%)	Miscellaneous	**0066**	35.32	35.93	**35.62**	**-0.59**	37.05	2.444	28	
012.01	Starch (%)	Enzymatic-Colorimetric Method	**0171**	35.5	35.8	**35.65**	**-0.57**	37.05	2.444	28	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
012.11	Starch (%)	NIR	**0297**	36.22	35.98	**36.1**	**-0.39**	37.05	2.444	28	
012.03	Starch (%)	Enzymatic-Colorimetric Method,	**0297**	36.43	36.2	**36.32**	**-0.30**	37.05	2.444	28	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	**0278**	34.9	38.1	**36.5**	**-0.23**	37.05	2.444	28	1
012.01	Starch (%)	Enzymatic-Colorimetric Method	**0366**	36.3	37	**36.65**	**-0.17**	37.05	2.444	28	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	**0510**	37	36.5	**36.75**	**-0.12**	37.05	2.444	28	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	**0098**	36.8	37	**36.9**	**-0.06**	37.05	2.444	28	
012.11	Starch (%)	NIR	**0852**	37.39	37.66	**37.52**	**0.19**	37.05	2.444	28	
012.00	Starch (%)	Polarimetric (Ewers)	**2196**	38.14	38.14	**38.14**	**0.44**	37.05	2.444	28	7
012.04	Starch (%)	Enzymatic-Enzyme Membrane	**0693**	38.6	38	**38.3**	**0.51**	37.05	2.444	28	
012.00	Starch (%)	Polarimetric (Ewers)	**2181**	38.37	38.48	**38.42**	**0.56**	37.05	2.444	28	
012.00	Starch (%)	Polarimetric (Ewers)	**0723**	38.69	38.69	**38.69**	**0.67**	37.05	2.444	28	7
012.00	Starch (%)	Polarimetric (Ewers)	**0227**	38.7	38.7	**38.7**	**0.67**	37.05	2.444	28	7
012.03	Starch (%)	Enzymatic-Colorimetric Method,	**0407**	38.3776	39.3562	**38.87**	**0.74**	37.05	2.444	28	
012.00	Starch (%)	Polarimetric (Ewers)	**0610**	39	38.8	**38.9**	**0.76**	37.05	2.444	28	
012.01	Starch (%)	Enzymatic-Colorimetric Method	**0407**	38.9455	39.8885	**39.42**	**0.97**	37.05	2.444	28	
012.00	Starch (%)	Polarimetric (Ewers)	**2465**	39.54	39.5	**39.52**	**1.01**	37.05	2.444	28	
012.00	Starch (%)	Polarimetric (Ewers)	**2006**	39.291	40.006	**39.65**	**1.06**	37.05	2.444	28	
012.01	Starch (%)	Enzymatic-Colorimetric Method	**0596**	41.5	40.5	**41**	**1.61**	37.05	2.444	28	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	**0208**	42.1	42.7	**42.4**	**2.19**	37.05	2.444	28	

Fat, Pretreat (%)

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
013.08	Fat, Pretreat (%)	Roese-Gottlieb Modified	**0618**	1.46	1.51	**1.485**	**-3.18**	3.161	0.527	39	
013.10	Fat, Pretreat (%)	Soxtec-Acid Hydrolysis	**0353**	2.26	1.67	**1.965**	**-2.27**	3.161	0.527	39	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	**0581**	2.18	2.17	**2.175**	**-1.87**	3.161	0.527	39	
013.00	Fat, Pretreat (%)	Acid hydrolysis	**0618**	2.24	2.15	**2.195**	**-1.83**	3.161	0.527	39	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	**0036**	2.4852	2.6254	**2.555**	**-1.15**	3.161	0.527	39	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
013.10	Fat, Pretreat (%)	Soxtec-Acid Hydrolysis	**2268**	2.79	2.54	**2.665**	**-0.94**	3.161	0.527	39	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	**2129**	2.791	2.576	**2.684**	**-0.91**	3.161	0.527	39	
013.00	Fat, Pretreat (%)	Acid hydrolysis	**0242**	2.88	2.55	**2.715**	**-0.85**	3.161	0.527	39	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	**2259**	2.71	2.722	**2.716**	**-0.84**	3.161	0.527	39	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	**2302**	2.86	2.91	**2.885**	**-0.52**	3.161	0.527	39	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	**0968**	2.84	2.96	**2.9**	**-0.49**	3.161	0.527	39	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	**0876**	3.221	2.614	**2.918**	**-0.46**	3.161	0.527	39	
013.00	Fat, Pretreat (%)	Acid hydrolysis	**2181**	2.93	2.99	**2.96**	**-0.38**	3.161	0.527	39	
013.10	Fat, Pretreat (%)	Soxtec-Acid Hydrolysis	**2196**	2.96	2.96	**2.96**	**-0.38**	3.161	0.527	39	7
013.00	Fat, Pretreat (%)	Acid hydrolysis	**2076**	3.0008	3.0001	**3**	**-0.30**	3.161	0.527	39	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	**0563**	3.0611	3.0067	**3.034**	**-0.24**	3.161	0.527	39	
013.00	Fat, Pretreat (%)	Acid hydrolysis	**0229**	3.02	3.07	**3.045**	**-0.22**	3.161	0.527	39	
013.00	Fat, Pretreat (%)	Acid hydrolysis	**0083**	2.98	3.13	**3.055**	**-0.20**	3.161	0.527	39	
013.10	Fat, Pretreat (%)	Soxtec-Acid Hydrolysis	**0610**	3.13	3.13	**3.13**	**-0.06**	3.161	0.527	39	7
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	**0038**	3.01	3.3	**3.155**	**-0.01**	3.161	0.527	39	
013.00	Fat, Pretreat (%)	Acid hydrolysis	**0297**	3.2	3.2	**3.2**	**0.07**	3.161	0.527	39	7
013.00	Fat, Pretreat (%)	Acid hydrolysis	**0650**	3.5	3.03	**3.265**	**0.20**	3.161	0.527	39	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	**2433**	3.3208	3.2171	**3.269**	**0.21**	3.161	0.527	39	
013.00	Fat, Pretreat (%)	Acid hydrolysis	**2146**	3.33	3.32	**3.325**	**0.31**	3.161	0.527	39	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	**0208**	3.29	3.39	**3.34**	**0.34**	3.161	0.527	39	
013.00	Fat, Pretreat (%)	Acid hydrolysis	**0541**	3.43	3.32	**3.375**	**0.41**	3.161	0.527	39	
013.10	Fat, Pretreat (%)	Soxtec-Acid Hydrolysis	**2349**	3.2	3.55	**3.375**	**0.41**	3.161	0.527	39	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	**0098**	3.46	3.29	**3.375**	**0.41**	3.161	0.527	39	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	**0870**	3.4993	3.3384	**3.419**	**0.49**	3.161	0.527	39	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	**0045**	3.47	3.4	**3.435**	**0.52**	3.161	0.527	39	
013.00	Fat, Pretreat (%)	Acid hydrolysis	**0202**	3.64	3.34	**3.49**	**0.62**	3.161	0.527	39	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
013.00	Fat, Pretreat (%)	Acid hydrolysis	**0853**	3.52	3.51	**3.515**	**0.67**	3.161	0.527	39	
013.00	Fat, Pretreat (%)	Acid hydrolysis	**0675**	3.6	3.71	**3.655**	**0.94**	3.161	0.527	39	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	**0227**	3.75	3.81	**3.78**	**1.17**	3.161	0.527	39	
013.00	Fat, Pretreat (%)	Acid hydrolysis	**2150**	3.87	3.71	**3.79**	**1.19**	3.161	0.527	39	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	**0407**	3.2245	4.8176	**4.021**	**1.63**	3.161	0.527	39	1
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	**0407**	3.96	4.45	**4.205**	**1.98**	3.161	0.527	39	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	**0066**	4.21	4.41	**4.31**	**2.18**	3.161	0.527	39	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	**0682**	4.04	4.84	**4.44**	**2.43**	3.161	0.527	39	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	**0693**	5	4.2	**4.6**	**2.73**	3.161	0.527	39	
		Fiber, Total Dietary (%)									
014.02	Fiber, Total Dietary (%)	ANKOM Enz-Grav	**0208**	17.4	17.1	**17.25**					
		Aluminum (ppm)									
015.42	Aluminum (ppm)	ICP, Open vessel	**0692**	26	29	**27.5**	**-2.20**	73.22	20.77	15	
015.42	Aluminum (ppm)	ICP, Open vessel	**2129**	42.07	42.05	**42.06**	**-1.50**	73.22	20.77	15	
015.99	Aluminum (ppm)	Miscellaneous	**0123**	47.1	46.4	**46.75**	**-1.27**	73.22	20.77	15	
015.41	Aluminum (ppm)	ICP, Dry ash	**0227**	64.7	59.9	**62.3**	**-0.53**	73.22	20.77	15	
015.43	Aluminum (ppm)	ICP, Microwave	**0510**	65	62	**63.5**	**-0.47**	73.22	20.77	15	
015.43	Aluminum (ppm)	ICP, Microwave	**0297**	79	70	**74.5**	**0.06**	73.22	20.77	15	
015.41	Aluminum (ppm)	ICP, Dry ash	**0407**	73.3102	75.74	**74.53**	**0.06**	73.22	20.77	15	
015.43	Aluminum (ppm)	ICP, Microwave	**0226**	77.11	75.03	**76.07**	**0.14**	73.22	20.77	15	
015.53	Aluminum (ppm)	ICP-MS, Microwave	**0407**	76.9777	88.9206	**82.95**	**0.47**	73.22	20.77	15	
015.43	Aluminum (ppm)	ICP, Microwave	**0407**	82.6548	83.5909	**83.12**	**0.48**	73.22	20.77	15	
015.53	Aluminum (ppm)	ICP-MS, Microwave	**0918**	81.788	84.885	**83.34**	**0.49**	73.22	20.77	15	
015.41	Aluminum (ppm)	ICP, Dry ash	**0520**	85.798	82.785	**84.29**	**0.53**	73.22	20.77	15	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
015.43	Aluminum (ppm)	ICP, Microwave	**2481**	86.88	87.72	**87.3**	**0.68**	73.22	20.77	15	
015.43	Aluminum (ppm)	ICP, Microwave	**0353**	95.5	96	**95.75**	**1.08**	73.22	20.77	15	
015.43	Aluminum (ppm)	ICP, Microwave	**0964**	100	99.6	**99.8**	**1.28**	73.22	20.77	15	
					Boron (ppm)						
017.43	Boron (ppm)	ICP, Microwave	**0297**	0	0	**0**		8.458	0.888	16	5
017.43	Boron (ppm)	ICP, Microwave	**0510**	7	7	**7**	**-1.64**	8.458	0.888	16	7
017.43	Boron (ppm)	ICP, Microwave	**0083**	7.3	7.4	**7.35**	**-1.25**	8.458	0.888	16	
017.42	Boron (ppm)	ICP, Open vessel	**0693**	8	7	**7.5**	**-1.08**	8.458	0.888	16	
017.42	Boron (ppm)	ICP, Open vessel	**0045**	6.88	8.32	**7.6**	**-0.97**	8.458	0.888	16	
017.41	Boron (ppm)	ICP, Dry ash	**0358**	7.44	8.26	**7.85**	**-0.68**	8.458	0.888	16	
017.41	Boron (ppm)	ICP, Dry ash	**0407**	7.8664	8.6511	**8.259**	**-0.22**	8.458	0.888	16	
017.43	Boron (ppm)	ICP, Microwave	**0226**	8.31	8.49	**8.4**	**-0.07**	8.458	0.888	16	
017.43	Boron (ppm)	ICP, Microwave	**0407**	8.5153	8.7077	**8.612**	**0.17**	8.458	0.888	16	
017.43	Boron (ppm)	ICP, Microwave	**0918**	8.65	8.65	**8.65**	**0.22**	8.458	0.888	16	7
017.99	Boron (ppm)	Miscellaneous	**0123**	8.7	8.68	**8.69**	**0.26**	8.458	0.888	16	
017.41	Boron (ppm)	ICP, Dry ash	**0226**	8.86	8.69	**8.775**	**0.36**	8.458	0.888	16	
017.41	Boron (ppm)	ICP, Dry ash	**0229**	9.28	8.79	**9.035**	**0.65**	8.458	0.888	16	
017.53	Boron (ppm)	ICP-MS, Microwave	**0407**	8.4929	9.8063	**9.15**	**0.78**	8.458	0.888	16	
017.43	Boron (ppm)	ICP, Microwave	**0353**	9.3	9.2	**9.25**	**0.89**	8.458	0.888	16	
017.42	Boron (ppm)	ICP, Open vessel	**2129**	9.344	9.248	**9.296**	**0.94**	8.458	0.888	16	
017.42	Boron (ppm)	ICP, Open vessel	**0294**	12.43	12.05	**12.24**	**4.26**	8.458	0.888	16	
					Calcium (%)						
019.99	Calcium (%)	Miscellaneous	**0852**	0.23	0.28	**0.255**	**-11.48**	0.9998	0.0649	106	
019.00	Calcium (%)	Ox-Mn04 Vol.	**2302**	0.76	0.78	**0.77**	**-3.54**	0.9998	0.0649	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
019.99	Calcium (%)	Miscellaneous	**2302**	0.85	0.75	**0.8**	**-3.08**	0.9998	0.0649	106	
019.52	Calcium (%)	ICP-MS, Open vessel	**0154**	0.7858	0.8651	**0.8254**	**-2.69**	0.9998	0.0649	106	
019.99	Calcium (%)	Miscellaneous	**2465**	0.893	0.848	**0.8705**	**-1.99**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**0536**	0.879	0.872	**0.8755**	**-1.92**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0297**	0.91	0.88	**0.895**	**-1.62**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0870**	0.8856	0.9087	**0.8972**	**-1.58**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0910**	0.9	0.91	**0.905**	**-1.46**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**2259**	0.893	0.919	**0.906**	**-1.45**	0.9998	0.0649	106	
019.44	Calcium (%)	ICP, Dry ash	**0098**	0.93	0.9	**0.915**	**-1.31**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0693**	0.92	0.91	**0.915**	**-1.31**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0298**	0.91	0.93	**0.92**	**-1.23**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0036**	0.9237	0.9202	**0.922**	**-1.20**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0511**	0.99	0.89	**0.94**	**-0.92**	0.9998	0.0649	106	
019.99	Calcium (%)	Miscellaneous	**0123**	0.96	0.92	**0.94**	**-0.92**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**2433**	0.9054	0.9775	**0.9414**	**-0.90**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0294**	0.92	0.97	**0.945**	**-0.85**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0226**	0.94	0.96	**0.95**	**-0.77**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0860**	0.95	0.95	**0.95**	**-0.77**	0.9998	0.0649	106	7
019.43	Calcium (%)	ICP, Microwave	**0027**	0.966	0.937	**0.9515**	**-0.74**	0.9998	0.0649	106	
019.99	Calcium (%)	Miscellaneous	**2517**	0.956	0.949	**0.9525**	**-0.73**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0089**	0.8971	1.008	**0.9526**	**-0.73**	0.9998	0.0649	106	
019.00	Calcium (%)	Ox-Mn04 Vol.	**2006**	0.957	0.949	**0.953**	**-0.72**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**0596**	0.96	0.95	**0.955**	**-0.69**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0357**	0.9386	0.9747	**0.9566**	**-0.67**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0001**	0.989	0.928	**0.9585**	**-0.64**	0.9998	0.0649	106	
019.09	Calcium (%)	Ion-selective electrode	**2006**	0.949	0.97	**0.9595**	**-0.62**	0.9998	0.0649	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
019.41	Calcium (%)	ICP, Dry ash	**0407**	0.9258	0.9963	**0.961**	**-0.60**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0045**	0.954	0.97	**0.962**	**-0.58**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0028**	0.973	0.962	**0.9675**	**-0.50**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0171**	0.95	0.99	**0.97**	**-0.46**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**2476**	1.025	0.924	**0.9745**	**-0.39**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0202**	1	0.952	**0.976**	**-0.37**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0186**	0.9906	0.9658	**0.9782**	**-0.33**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0366**	0.99	0.97	**0.98**	**-0.31**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0848**	0.95	1.01	**0.98**	**-0.31**	0.9998	0.0649	106	
019.53	Calcium (%)	ICP-MS, Microwave	**0407**	0.9375	1.0239	**0.9807**	**-0.29**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0009**	1.0123	0.9494	**0.9808**	**-0.29**	0.9998	0.0649	106	
019.44	Calcium (%)	ICP, Dry ash	**0227**	0.999	0.966	**0.9825**	**-0.27**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0226**	1	0.97	**0.985**	**-0.23**	0.9998	0.0649	106	
019.00	Calcium (%)	Ox-Mn04 Vol.	**2144**	0.98	0.99	**0.985**	**-0.23**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**0001**	0.9919	0.9798	**0.9858**	**-0.22**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0006**	1.01	0.967	**0.9885**	**-0.17**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0520**	1	0.9786	**0.9893**	**-0.16**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0358**	1.01	0.97	**0.99**	**-0.15**	0.9998	0.0649	106	
019.00	Calcium (%)	Ox-Mn04 Vol.	**0043**	0.9907	0.9935	**0.9921**	**-0.12**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**2326**	0.973	1.013	**0.993**	**-0.11**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0208**	0.9647	1.025	**0.9948**	**-0.08**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0011**	0.99	1	**0.995**	**-0.07**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0229**	0.94	1.05	**0.995**	**-0.07**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0004**	0.98	1.01	**0.995**	**-0.07**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0407**	0.9744	1.0177	**0.996**	**-0.06**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0345**	1.002	0.994	**0.998**	**-0.03**	0.9998	0.0649	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
019.43	Calcium (%)	ICP, Microwave	**2532**	0.97	1.03	**1**	**0.00**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0692**	1.02	0.98	**1**	**0.00**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**2196**	1	1	**1**	**0.00**	0.9998	0.0649	106	7
019.41	Calcium (%)	ICP, Dry ash	**0066**	1.005	1.003	**1.004**	**0.06**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0675**	1	1.01	**1.005**	**0.08**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0083**	1.03	0.98	**1.005**	**0.08**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**2481**	1	1.01	**1.005**	**0.08**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0512**	0.9824	1.036	**1.009**	**0.14**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**2246**	1.0119	1.0065	**1.009**	**0.14**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0144**	0.98	1.04	**1.01**	**0.16**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0278**	1.01	1.01	**1.01**	**0.16**	0.9998	0.0649	106	7
019.43	Calcium (%)	ICP, Microwave	**0610**	0.98	1.04	**1.01**	**0.16**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0033**	1.04	0.981	**1.01**	**0.16**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0019**	1.01	1.015	**1.012**	**0.20**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0263**	1.021	1.006	**1.014**	**0.21**	0.9998	0.0649	106	
019.32	Calcium (%)	AAS, Open vessel	**0169**	0.99	1.04	**1.015**	**0.23**	0.9998	0.0649	106	
019.99	Calcium (%)	Miscellaneous	**0100**	1.02	1.01	**1.015**	**0.23**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0682**	1.05	0.98	**1.015**	**0.23**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0505**	1.032	0.999	**1.016**	**0.24**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0190**	1.03	1.01	**1.02**	**0.31**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**2129**	1.02	1.033	**1.026**	**0.41**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0098**	0.98	1.08	**1.03**	**0.47**	0.9998	0.0649	106	
019.08	Calcium (%)	EDTA	**2196**	1.03	1.03	**1.03**	**0.47**	0.9998	0.0649	106	7
019.43	Calcium (%)	ICP, Microwave	**0848**	1.01	1.05	**1.03**	**0.47**	0.9998	0.0649	106	
019.08	Calcium (%)	EDTA	**2526**	1.05	1.01	**1.03**	**0.47**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**0018**	1.07	0.997	**1.034**	**0.52**	0.9998	0.0649	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
019.52	Calcium (%)	ICP-MS, Open vessel	**0186**	1.0007	1.0667	**1.034**	**0.52**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0504**	1.04	1.04	**1.04**	**0.62**	0.9998	0.0649	106	7
019.43	Calcium (%)	ICP, Microwave	**0968**	1.045	1.042	**1.044**	**0.67**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0726**	1.06	1.03	**1.045**	**0.70**	0.9998	0.0649	106	
019.42	Calcium (%)	ICP, Open vessel	**0035**	1.04	1.08	**1.06**	**0.93**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0510**	1.06	1.06	**1.06**	**0.93**	0.9998	0.0649	106	7
019.08	Calcium (%)	EDTA	**2188**	1.06	1.06	**1.06**	**0.93**	0.9998	0.0649	106	7
019.43	Calcium (%)	ICP, Microwave	**0870**	1.0583	1.064	**1.061**	**0.95**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**0687**	1.08	1.05	**1.065**	**1.00**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0964**	1.0806	1.0685	**1.075**	**1.15**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**0038**	1.09	1.07	**1.08**	**1.24**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**2146**	1.09	1.07	**1.08**	**1.24**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0918**	1.068	1.095	**1.082**	**1.26**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**2188**	1.09	1.09	**1.09**	**1.39**	0.9998	0.0649	106	7
019.08	Calcium (%)	EDTA	**2434**	1.09	1.09	**1.09**	**1.39**	0.9998	0.0649	106	7
019.08	Calcium (%)	EDTA	**2525**	1.09	1.11	**1.1**	**1.54**	0.9998	0.0649	106	
019.08	Calcium (%)	EDTA	**2506**	1.09	1.11	**1.1**	**1.54**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0010**	1.17	1.05	**1.11**	**1.70**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0353**	1.13	1.09	**1.11**	**1.70**	0.9998	0.0649	106	
019.52	Calcium (%)	ICP-MS, Open vessel	**0560**	1.167	1.093	**1.13**	**2.01**	0.9998	0.0649	106	
019.41	Calcium (%)	ICP, Dry ash	**0598**	1.1387	1.1473	**1.143**	**2.21**	0.9998	0.0649	106	
019.43	Calcium (%)	ICP, Microwave	**0035**	1.15	1.14	**1.145**	**2.24**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**0529**	1.18	1.15	**1.165**	**2.55**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**0563**	1.1667	1.1685	**1.168**	**2.59**	0.9998	0.0649	106	
019.53	Calcium (%)	ICP-MS, Microwave	**0504**	1	1.35	**1.175**	**2.70**	0.9998	0.0649	106	1
019.42	Calcium (%)	ICP, Open vessel	**0042**	1.27	1.29	**1.28**	**4.32**	0.9998	0.0649	106	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
019.00	Calcium (%)	Ox-Mn04 Vol.	**2181**	1.35	1.3	**1.325**	**5.01**	0.9998	0.0649	106	
019.31	Calcium (%)	AAS, Dry ash	**0108**	2.69	2.21	**2.45**	**22.35**	0.9998	0.0649	106	3
					Cobalt (ppm)						
021.43	Cobalt (ppm)	ICP, Microwave	**0169**	<0.2	<0.2	**<0.2**		0.5541	0.1788	17	6
021.41	Cobalt (ppm)	ICP, Dry ash	**0227**	<0.5	<0.5	**<0.5**		0.5541	0.1788	17	6
021.42	Cobalt (ppm)	ICP, Open vessel	**0693**	0.842	<0.7	**<0.7**		0.5541	0.1788	17	6
021.52	Cobalt (ppm)	ICP-MS, Open vessel	**0560**	<1	<1	**<1**		0.5541	0.1788	17	6
021.43	Cobalt (ppm)	ICP, Microwave	**0682**	1.2	<1	**<1**		0.5541	0.1788	17	6
021.43	Cobalt (ppm)	ICP, Microwave	**0297**	0	0	**0**		0.5541	0.1788	17	5
021.43	Cobalt (ppm)	ICP, Microwave	**2326**	0.19	0.26	**0.225**	**-1.84**	0.5541	0.1788	17	
021.42	Cobalt (ppm)	ICP, Open vessel	**0045**	0.235	0.341	**0.288**	**-1.49**	0.5541	0.1788	17	
021.42	Cobalt (ppm)	ICP, Open vessel	**0366**	0.48	0.45	**0.465**	**-0.50**	0.5541	0.1788	17	
021.31	Cobalt (ppm)	AAS, Dry ash	**0563**	0.4845	0.4865	**0.4855**	**-0.38**	0.5541	0.1788	17	
021.52	Cobalt (ppm)	ICP-MS, Open vessel	**0186**	0.4983	0.473	**0.4856**	**-0.38**	0.5541	0.1788	17	
021.43	Cobalt (ppm)	ICP, Microwave	**0226**	0.49	0.49	**0.49**	**-0.36**	0.5541	0.1788	17	7
021.53	Cobalt (ppm)	ICP-MS, Microwave	**0407**	0.4535	0.5282	**0.4908**	**-0.35**	0.5541	0.1788	17	
021.53	Cobalt (ppm)	ICP-MS, Microwave	**0033**	0.512	0.502	**0.507**	**-0.26**	0.5541	0.1788	17	
021.43	Cobalt (ppm)	ICP, Microwave	**0968**	0.529	0.526	**0.5275**	**-0.15**	0.5541	0.1788	17	
021.53	Cobalt (ppm)	ICP-MS, Microwave	**0504**	0.512	0.565	**0.5385**	**-0.09**	0.5541	0.1788	17	
021.53	Cobalt (ppm)	ICP-MS, Microwave	**0918**	0.567	0.551	**0.559**	**0.03**	0.5541	0.1788	17	
021.53	Cobalt (ppm)	ICP-MS, Microwave	**0610**	0.58	0.56	**0.57**	**0.09**	0.5541	0.1788	17	
021.43	Cobalt (ppm)	ICP, Microwave	**0278**	0.553	0.622	**0.5875**	**0.19**	0.5541	0.1788	17	
021.43	Cobalt (ppm)	ICP, Microwave	**0510**	0.72	0.66	**0.69**	**0.76**	0.5541	0.1788	17	
021.41	Cobalt (ppm)	ICP, Dry ash	**0407**	0.8105	0.7987	**0.8046**	**1.40**	0.5541	0.1788	17	
021.43	Cobalt (ppm)	ICP, Microwave	**0407**	0.7838	0.9649	**0.8744**	**1.79**	0.5541	0.1788	17	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
021.99	Cobalt (ppm)	Miscellaneous	**2517**	2	0	**1**		0.5541	0.1788	17	5
021.43	Cobalt (ppm)	ICP, Microwave	**2476**	0.749	1.34	**1.044**	**2.74**	0.5541	0.1788	17	
					Copper (ppm)						
022.43	Copper (ppm)	ICP, Microwave	**2476**	7.328	6.215	**6.772**	**-2.85**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0692**	7.69	8	**7.845**	**-1.94**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0357**	7.913	7.919	**7.916**	**-1.88**	10.12	1.172	71	
022.99	Copper (ppm)	Miscellaneous	**0100**	8	8	**8**	**-1.81**	10.12	1.172	71	7
022.44	Copper (ppm)	ICP, Dry ash	**0098**	8.14	8.1	**8.12**	**-1.70**	10.12	1.172	71	
022.31	Copper (ppm)	AAS, Dry ash	**2246**	8.6459	8.687	**8.666**	**-1.24**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0098**	8.78	8.77	**8.775**	**-1.14**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0870**	8.6853	9.1844	**8.935**	**-1.01**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0510**	9	9	**9**	**-0.95**	10.12	1.172	71	7
022.43	Copper (ppm)	ICP, Microwave	**0297**	8	10	**9**	**-0.95**	10.12	1.172	71	
022.41	Copper (ppm)	ICP, Dry ash	**0407**	8.9765	9.3113	**9.144**	**-0.83**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0918**	9.35	8.97	**9.16**	**-0.82**	10.12	1.172	71	
022.41	Copper (ppm)	ICP, Dry ash	**0358**	9.37	8.97	**9.17**	**-0.81**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0045**	8.28	10.1	**9.19**	**-0.79**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0407**	9.0463	9.5282	**9.287**	**-0.71**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0083**	9.16	9.44	**9.3**	**-0.70**	10.12	1.172	71	
022.53	Copper (ppm)	ICP-MS, Microwave	**0407**	8.2331	10.4516	**9.342**	**-0.66**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0278**	9.3	9.5	**9.4**	**-0.61**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0504**	9.33	9.51	**9.42**	**-0.59**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0366**	9	10	**9.5**	**-0.53**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0511**	10	9	**9.5**	**-0.53**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0169**	9.54	9.46	**9.5**	**-0.53**	10.12	1.172	71	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
022.44	Copper (ppm)	ICP, Dry ash	**0910**	10	9	**9.5**	**-0.53**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0202**	9.75	9.31	**9.53**	**-0.50**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0870**	9.3732	9.7055	**9.539**	**-0.49**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0294**	9.77	9.31	**9.54**	**-0.49**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0027**	9.01	10.13	**9.57**	**-0.47**	10.12	1.172	71	
022.41	Copper (ppm)	ICP, Dry ash	**0520**	10.328	8.977	**9.652**	**-0.40**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0968**	9.947	9.629	**9.788**	**-0.28**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**2433**	9.6918	9.9257	**9.809**	**-0.26**	10.12	1.172	71	
022.41	Copper (ppm)	ICP, Dry ash	**0598**	9.7005	9.9503	**9.825**	**-0.25**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0675**	9.79	9.94	**9.865**	**-0.21**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0226**	10.57	9.21	**9.89**	**-0.19**	10.12	1.172	71	
022.52	Copper (ppm)	ICP-MS, Open vessel	**0560**	10.08	9.9	**9.99**	**-0.11**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0035**	10	10	**10**	**-0.10**	10.12	1.172	71	7
022.43	Copper (ppm)	ICP, Microwave	**0505**	10.02	10	**10.01**	**-0.09**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**2532**	9.7	10.35	**10.02**	**-0.08**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**2129**	10.25	9.937	**10.09**	**-0.02**	10.12	1.172	71	
022.41	Copper (ppm)	ICP, Dry ash	**0019**	10.29	10.005	**10.15**	**0.03**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0033**	9.81	10.6	**10.2**	**0.08**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0726**	10.2	10.3	**10.25**	**0.11**	10.12	1.172	71	
022.53	Copper (ppm)	ICP-MS, Microwave	**0504**	10.7	9.81	**10.26**	**0.12**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0010**	10.1	10.5	**10.3**	**0.16**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0263**	10.168	10.442	**10.3**	**0.16**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**2326**	10.6	10.02	**10.31**	**0.17**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0028**	11.001	9.682	**10.34**	**0.19**	10.12	1.172	71	
022.44	Copper (ppm)	ICP, Dry ash	**0227**	10.5	10.4	**10.45**	**0.28**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0353**	11	10	**10.5**	**0.33**	10.12	1.172	71	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
022.42	Copper (ppm)	ICP, Open vessel	**0693**	10	11	**10.5**	**0.33**	10.12	1.172	71	
022.41	Copper (ppm)	ICP, Dry ash	**0229**	10.38	10.69	**10.54**	**0.36**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0610**	10.5	10.6	**10.55**	**0.37**	10.12	1.172	71	
022.31	Copper (ppm)	AAS, Dry ash	**0563**	10.59	10.64	**10.62**	**0.43**	10.12	1.172	71	
022.41	Copper (ppm)	ICP, Dry ash	**0208**	10.29	10.94	**10.62**	**0.43**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0006**	11.5	9.8	**10.65**	**0.46**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0042**	10.8	10.6	**10.7**	**0.50**	10.12	1.172	71	
022.52	Copper (ppm)	ICP-MS, Open vessel	**0186**	10.97	10.68	**10.82**	**0.60**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0001**	12.5	9.24	**10.87**	**0.64**	10.12	1.172	71	1
022.41	Copper (ppm)	ICP, Dry ash	**0226**	10.91	11.12	**11.02**	**0.77**	10.12	1.172	71	
022.31	Copper (ppm)	AAS, Dry ash	**2196**	11.17	11.17	**11.17**	**0.90**	10.12	1.172	71	7
022.42	Copper (ppm)	ICP, Open vessel	**0190**	11.51	11.09	**11.3**	**1.01**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0009**	11.7	11.5	**11.6**	**1.27**	10.12	1.172	71	
022.31	Copper (ppm)	AAS, Dry ash	**2188**	11.81	11.73	**11.77**	**1.41**	10.12	1.172	71	
022.99	Copper (ppm)	Miscellaneous	**0123**	11.7	11.87	**11.78**	**1.42**	10.12	1.172	71	
022.32	Copper (ppm)	AAS, Open vessel	**0038**	11.3	12.5	**11.9**	**1.52**	10.12	1.172	71	
022.41	Copper (ppm)	ICP, Dry ash	**0171**	12.72	11.45	**12.08**	**1.68**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0682**	11.6	13.3	**12.45**	**1.99**	10.12	1.172	71	
022.42	Copper (ppm)	ICP, Open vessel	**0035**	13	13	**13**	**2.46**	10.12	1.172	71	7
022.41	Copper (ppm)	ICP, Dry ash	**0848**	13.72	14.49	**14.1**	**3.40**	10.12	1.172	71	
022.99	Copper (ppm)	Miscellaneous	**2517**	15	14	**14.5**	**3.74**	10.12	1.172	71	
022.31	Copper (ppm)	AAS, Dry ash	**0529**	13.9	15.3	**14.6**	**3.83**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0345**	14.8	15.05	**14.92**	**4.10**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**0848**	16.34	15.58	**15.96**	**4.99**	10.12	1.172	71	
022.43	Copper (ppm)	ICP, Microwave	**2481**	24.46	23.98	**24.22**	**12.04**	10.12	1.172	71	2

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
				Iodine (ppm)							
024.99	Iodine (ppm)	Miscellaneous	**0227**	0.592	0.625	**0.6085**					
				Iron (ppm)							
025.99	Iron (ppm)	Miscellaneous	**2302**	98.9	102.48	**100.7**	**-2.71**	131.7	11.47	73	
025.42	Iron (ppm)	ICP, Open vessel	**0692**	105	97	**101**	**-2.68**	131.7	11.47	73	
025.42	Iron (ppm)	ICP, Open vessel	**2433**	111.037	108.777	**109.9**	**-1.90**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0066**	115.4	107.4	**111.4**	**-1.77**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0358**	113.92	111.19	**112.6**	**-1.67**	131.7	11.47	73	
025.52	Iron (ppm)	ICP-MS, Open vessel	**0154**	108.27	118.98	**113.6**	**-1.58**	131.7	11.47	73	
025.42	Iron (ppm)	ICP, Open vessel	**0870**	117.090	119.412	**118.3**	**-1.17**	131.7	11.47	73	
025.53	Iron (ppm)	ICP-MS, Microwave	**0043**	122.8	113.8	**118.3**	**-1.17**	131.7	11.47	73	
025.52	Iron (ppm)	ICP-MS, Open vessel	**0560**	115.37	121.8	**118.6**	**-1.15**	131.7	11.47	73	
025.99	Iron (ppm)	Miscellaneous	**0100**	119	119	**119**	**-1.11**	131.7	11.47	73	7
025.43	Iron (ppm)	ICP, Microwave	**0169**	119	121	**120**	**-1.02**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0407**	121.249	121.402	**121.3**	**-0.91**	131.7	11.47	73	
025.42	Iron (ppm)	ICP, Open vessel	**0294**	122.69	120.16	**121.4**	**-0.90**	131.7	11.47	73	
025.42	Iron (ppm)	ICP, Open vessel	**0202**	117	126	**121.5**	**-0.89**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0910**	120	123	**121.5**	**-0.89**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0511**	120	124	**122**	**-0.85**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0083**	117.55	126.54	**122**	**-0.84**	131.7	11.47	73	
025.42	Iron (ppm)	ICP, Open vessel	**0045**	119	128	**123.5**	**-0.72**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0297**	123	125	**124**	**-0.67**	131.7	11.47	73	
025.42	Iron (ppm)	ICP, Open vessel	**0366**	121	127	**124**	**-0.67**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0227**	125	123	**124**	**-0.67**	131.7	11.47	73	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
025.42	Iron (ppm)	ICP, Open vessel	**0693**	128	121	**124.5**	**-0.63**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0505**	125.9	125.3	**125.6**	**-0.53**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0510**	126	126	**126**	**-0.50**	131.7	11.47	73	7
025.42	Iron (ppm)	ICP, Open vessel	**0726**	126	126	**126**	**-0.50**	131.7	11.47	73	7
025.42	Iron (ppm)	ICP, Open vessel	**0263**	126.543	126.363	**126.5**	**-0.46**	131.7	11.47	73	
025.42	Iron (ppm)	ICP, Open vessel	**0190**	129.12	125.48	**127.3**	**-0.39**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0171**	125.3	129.8	**127.6**	**-0.36**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0208**	125.8	130.2	**128**	**-0.32**	131.7	11.47	73	
025.31	Iron (ppm)	AAS, Dry ash	**2196**	129.26	129.26	**129.3**	**-0.21**	131.7	11.47	73	7
025.43	Iron (ppm)	ICP, Microwave	**0675**	129.01	130.7	**129.9**	**-0.16**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0226**	129.84	130.01	**129.9**	**-0.16**	131.7	11.47	73	
025.99	Iron (ppm)	Miscellaneous	**0123**	132	130	**131**	**-0.06**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0019**	133.8	128.25	**131**	**-0.06**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0520**	130.269	132.486	**131.4**	**-0.03**	131.7	11.47	73	
025.53	Iron (ppm)	ICP-MS, Microwave	**0407**	122.087	140.949	**131.5**	**-0.02**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**2476**	134	130.7	**132.4**	**0.06**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0098**	129.8	135.4	**132.6**	**0.08**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0004**	132.67	132.88	**132.8**	**0.09**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0918**	132.09	134.15	**133.1**	**0.12**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0598**	133.781	133.565	**133.7**	**0.17**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0407**	133.473	134.099	**133.8**	**0.18**	131.7	11.47	73	
025.42	Iron (ppm)	ICP, Open vessel	**0035**	134	134	**134**	**0.20**	131.7	11.47	73	7
025.42	Iron (ppm)	ICP, Open vessel	**0278**	138	131	**134.5**	**0.24**	131.7	11.47	73	
025.31	Iron (ppm)	AAS, Dry ash	**0001**	138.9	130.8	**134.8**	**0.27**	131.7	11.47	73	
025.42	Iron (ppm)	ICP, Open vessel	**0504**	138	132	**135**	**0.29**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0033**	127	144	**135.5**	**0.33**	131.7	11.47	73	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
025.31	Iron (ppm)	AAS, Dry ash	**0563**	131.07	140.077	**135.6**	**0.34**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0964**	137	135	**136**	**0.37**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0968**	137.027	136.151	**136.6**	**0.42**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**2326**	134.1	142.5	**138.3**	**0.57**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0357**	137.09	139.806	**138.4**	**0.59**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0353**	139	138	**138.5**	**0.59**	131.7	11.47	73	
025.42	Iron (ppm)	ICP, Open vessel	**0042**	136	143	**139.5**	**0.68**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0229**	140	140.4	**140.2**	**0.74**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0028**	139.255	142.241	**140.7**	**0.79**	131.7	11.47	73	
025.41	Iron (ppm)	ICP, Dry ash	**0098**	137.4	145	**141.2**	**0.83**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0001**	146	138	**142**	**0.90**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**2532**	136.91	147.33	**142.1**	**0.91**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0226**	143.57	141.36	**142.5**	**0.94**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0682**	146.72	138.46	**142.6**	**0.95**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**2481**	142.02	143.4	**142.7**	**0.96**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0006**	140	145.8	**142.9**	**0.98**	131.7	11.47	73	
025.31	Iron (ppm)	AAS, Dry ash	**2246**	145.17	144.088	**144.6**	**1.13**	131.7	11.47	73	
025.31	Iron (ppm)	AAS, Dry ash	**0529**	148.4	141.1	**144.8**	**1.14**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0010**	145	148	**146.5**	**1.29**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0870**	146.459	146.671	**146.6**	**1.30**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0610**	151	143	**147**	**1.33**	131.7	11.47	73	
025.43	Iron (ppm)	ICP, Microwave	**0035**	146	149	**147.5**	**1.38**	131.7	11.47	73	
025.31	Iron (ppm)	AAS, Dry ash	**2188**	146.53	148.82	**147.7**	**1.39**	131.7	11.47	73	
025.99	Iron (ppm)	Miscellaneous	**2517**	145	153	**149**	**1.51**	131.7	11.47	73	
025.42	Iron (ppm)	ICP, Open vessel	**2129**	155.5	153.8	**154.6**	**2.00**	131.7	11.47	73	
025.31	Iron (ppm)	AAS, Dry ash	**0038**	163	171	**167**	**3.08**	131.7	11.47	73	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
025.43	Iron (ppm)	ICP, Microwave	**0512**	246.3	138.8	**192.6**	**5.31**	131.7	11.47	73	1
				Magnesium (%)							
027.43	Magnesium (%)	ICP, Microwave	**0511**	0.18	0.19	**0.185**	**-2.30**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0083**	0.183	0.187	**0.185**	**-2.30**	0.2118	0.0116	78	
027.41	Magnesium (%)	ICP, Dry ash	**0910**	0.19	0.19	**0.19**	**-1.87**	0.2118	0.0116	78	7
027.43	Magnesium (%)	ICP, Microwave	**0357**	0.1918	0.1944	**0.1931**	**-1.61**	0.2118	0.0116	78	
027.41	Magnesium (%)	ICP, Dry ash	**0226**	0.2	0.19	**0.195**	**-1.44**	0.2118	0.0116	78	
027.44	Magnesium (%)	ICP, Dry ash	**0098**	0.2	0.19	**0.195**	**-1.44**	0.2118	0.0116	78	
027.42	Magnesium (%)	ICP, Open vessel	**0692**	0.19	0.2	**0.195**	**-1.44**	0.2118	0.0116	78	
027.42	Magnesium (%)	ICP, Open vessel	**2433**	0.1992	0.1932	**0.1962**	**-1.34**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**2476**	0.2	0.195	**0.1975**	**-1.23**	0.2118	0.0116	78	
027.41	Magnesium (%)	ICP, Dry ash	**0358**	0.2	0.2	**0.2**	**-1.01**	0.2118	0.0116	78	7
027.31	Magnesium (%)	AAS, Dry ash	**0596**	0.2	0.2	**0.2**	**-1.01**	0.2118	0.0116	78	7
027.43	Magnesium (%)	ICP, Microwave	**0345**	0.198	0.202	**0.2**	**-1.01**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0297**	0.2	0.2	**0.2**	**-1.01**	0.2118	0.0116	78	7
027.31	Magnesium (%)	AAS, Dry ash	**0038**	0.198	0.203	**0.2005**	**-0.97**	0.2118	0.0116	78	
027.52	Magnesium (%)	ICP-MS, Open vessel	**0154**	0.1998	0.2036	**0.2017**	**-0.87**	0.2118	0.0116	78	
027.41	Magnesium (%)	ICP, Dry ash	**0407**	0.201	0.2037	**0.2024**	**-0.81**	0.2118	0.0116	78	
027.31	Magnesium (%)	AAS, Dry ash	**0001**	0.2051	0.2008	**0.203**	**-0.76**	0.2118	0.0116	78	
027.42	Magnesium (%)	ICP, Open vessel	**0870**	0.2045	0.202	**0.2032**	**-0.73**	0.2118	0.0116	78	
027.41	Magnesium (%)	ICP, Dry ash	**0066**	0.205	0.203	**0.204**	**-0.67**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0028**	0.205	0.204	**0.2045**	**-0.63**	0.2118	0.0116	78	
027.41	Magnesium (%)	ICP, Dry ash	**0171**	0.2	0.21	**0.205**	**-0.58**	0.2118	0.0116	78	
027.99	Magnesium (%)	Miscellaneous	**0123**	0.2	0.21	**0.205**	**-0.58**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0675**	0.21	0.2	**0.205**	**-0.58**	0.2118	0.0116	78	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
027.42	Magnesium (%)	ICP, Open vessel	**0190**	0.21	0.2	**0.205**	**-0.58**	0.2118	0.0116	78	
027.99	Magnesium (%)	Miscellaneous	**2302**	0.2	0.21	**0.205**	**-0.58**	0.2118	0.0116	78	
027.42	Magnesium (%)	ICP, Open vessel	**0045**	0.201	0.21	**0.2055**	**-0.54**	0.2118	0.0116	78	
027.41	Magnesium (%)	ICP, Dry ash	**0089**	0.2066	0.2061	**0.2064**	**-0.47**	0.2118	0.0116	78	
027.41	Magnesium (%)	ICP, Dry ash	**0520**	0.2074	0.2085	**0.208**	**-0.33**	0.2118	0.0116	78	
027.42	Magnesium (%)	ICP, Open vessel	**0504**	0.207	0.209	**0.208**	**-0.32**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0407**	0.2077	0.21	**0.2088**	**-0.25**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0510**	0.21	0.21	**0.21**	**-0.15**	0.2118	0.0116	78	7
027.42	Magnesium (%)	ICP, Open vessel	**0366**	0.21	0.21	**0.21**	**-0.15**	0.2118	0.0116	78	7
027.53	Magnesium (%)	ICP-MS, Microwave	**0504**	0.207	0.213	**0.21**	**-0.15**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0098**	0.21	0.21	**0.21**	**-0.15**	0.2118	0.0116	78	7
027.43	Magnesium (%)	ICP, Microwave	**0226**	0.21	0.21	**0.21**	**-0.15**	0.2118	0.0116	78	7
027.42	Magnesium (%)	ICP, Open vessel	**0294**	0.21	0.21	**0.21**	**-0.15**	0.2118	0.0116	78	7
027.31	Magnesium (%)	AAS, Dry ash	**2196**	0.21	0.21	**0.21**	**-0.15**	0.2118	0.0116	78	7
027.44	Magnesium (%)	ICP, Dry ash	**0227**	0.216	0.205	**0.2105**	**-0.11**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0505**	0.211	0.21	**0.2105**	**-0.11**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0512**	0.2072	0.2147	**0.211**	**-0.07**	0.2118	0.0116	78	
027.53	Magnesium (%)	ICP-MS, Microwave	**0407**	0.1942	0.2282	**0.2112**	**-0.05**	0.2118	0.0116	78	1
027.43	Magnesium (%)	ICP, Microwave	**0968**	0.211	0.212	**0.2115**	**-0.02**	0.2118	0.0116	78	
027.41	Magnesium (%)	ICP, Dry ash	**0208**	0.2108	0.2129	**0.2118**	**0.01**	0.2118	0.0116	78	
027.41	Magnesium (%)	ICP, Dry ash	**0019**	0.215	0.21	**0.2125**	**0.06**	0.2118	0.0116	78	
027.42	Magnesium (%)	ICP, Open vessel	**0202**	0.209	0.217	**0.213**	**0.11**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0918**	0.215	0.213	**0.214**	**0.19**	0.2118	0.0116	78	
027.99	Magnesium (%)	Miscellaneous	**0100**	0.22	0.21	**0.215**	**0.28**	0.2118	0.0116	78	
027.41	Magnesium (%)	ICP, Dry ash	**0004**	0.21	0.22	**0.215**	**0.28**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0011**	0.21	0.22	**0.215**	**0.28**	0.2118	0.0116	78	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
027.41	Magnesium (%)	ICP, Dry ash	**0229**	0.21	0.22	**0.215**	**0.28**	0.2118	0.0116	78	
027.32	Magnesium (%)	AAS, Open vessel	**0169**	0.22	0.21	**0.215**	**0.28**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**2326**	0.216	0.214	**0.215**	**0.28**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**2532**	0.21	0.22	**0.215**	**0.28**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**2481**	0.21	0.22	**0.215**	**0.28**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0964**	0.2222	0.2159	**0.219**	**0.63**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0035**	0.22	0.22	**0.22**	**0.71**	0.2118	0.0116	78	7
027.43	Magnesium (%)	ICP, Microwave	**0610**	0.22	0.22	**0.22**	**0.71**	0.2118	0.0116	78	7
027.42	Magnesium (%)	ICP, Open vessel	**0278**	0.22	0.22	**0.22**	**0.71**	0.2118	0.0116	78	7
027.42	Magnesium (%)	ICP, Open vessel	**0009**	0.2225	0.2175	**0.22**	**0.71**	0.2118	0.0116	78	
027.42	Magnesium (%)	ICP, Open vessel	**0693**	0.22	0.22	**0.22**	**0.71**	0.2118	0.0116	78	7
027.42	Magnesium (%)	ICP, Open vessel	**0726**	0.22	0.22	**0.22**	**0.71**	0.2118	0.0116	78	7
027.43	Magnesium (%)	ICP, Microwave	**0682**	0.22	0.22	**0.22**	**0.71**	0.2118	0.0116	78	7
027.43	Magnesium (%)	ICP, Microwave	**0001**	0.224	0.219	**0.2215**	**0.84**	0.2118	0.0116	78	
027.31	Magnesium (%)	AAS, Dry ash	**0529**	0.218	0.225	**0.2215**	**0.84**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0033**	0.22	0.223	**0.2215**	**0.84**	0.2118	0.0116	78	
027.42	Magnesium (%)	ICP, Open vessel	**2129**	0.222	0.221	**0.2215**	**0.84**	0.2118	0.0116	78	
027.42	Magnesium (%)	ICP, Open vessel	**0186**	0.2223	0.2218	**0.222**	**0.88**	0.2118	0.0116	78	
027.42	Magnesium (%)	ICP, Open vessel	**0263**	0.223	0.224	**0.2235**	**1.01**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0353**	0.23	0.22	**0.225**	**1.14**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0010**	0.23	0.22	**0.225**	**1.14**	0.2118	0.0116	78	
027.31	Magnesium (%)	AAS, Dry ash	**2246**	0.2271	0.2235	**0.2253**	**1.16**	0.2118	0.0116	78	
027.31	Magnesium (%)	AAS, Dry ash	**0563**	0.23	0.224	**0.227**	**1.31**	0.2118	0.0116	78	
027.41	Magnesium (%)	ICP, Dry ash	**0598**	0.2274	0.2284	**0.2279**	**1.39**	0.2118	0.0116	78	
027.43	Magnesium (%)	ICP, Microwave	**0870**	0.2223	0.2362	**0.2292**	**1.50**	0.2118	0.0116	78	
027.42	Magnesium (%)	ICP, Open vessel	**0035**	0.23	0.23	**0.23**	**1.57**	0.2118	0.0116	78	7

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
027.52	Magnesium (%)	ICP-MS, Open vessel	**0560**	0.248	0.218	**0.233**	**1.83**	0.2118	0.0116	78	1
027.52	Magnesium (%)	ICP-MS, Open vessel	**0186**	0.2384	0.2343	**0.2364**	**2.11**	0.2118	0.0116	78	
027.99	Magnesium (%)	Miscellaneous	**2144**	0.24	0.24	**0.24**	**2.43**	0.2118	0.0116	78	7
027.43	Magnesium (%)	ICP, Microwave	**0006**	0.249	0.238	**0.2435**	**2.73**	0.2118	0.0116	78	
027.42	Magnesium (%)	ICP, Open vessel	**0042**	0.25	0.24	**0.245**	**2.86**	0.2118	0.0116	78	
027.99	Magnesium (%)	Miscellaneous	**2517**	0.434	0.403	**0.4185**	**17.79**	0.2118	0.0116	78	3

Manganese (ppm)

028.44	Manganese (ppm)	ICP, Dry ash	**0066**	70.12	70.13	**70.12**	**-2.86**	86.41	5.687	79	
028.53	Manganese (ppm)	ICP-MS, Microwave	**0043**	72	70.6	**71.3**	**-2.66**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0692**	71	75	**73**	**-2.36**	86.41	5.687	79	
028.41	Manganese (ppm)	ICP, Dry ash	**0226**	76.94	77.29	**77.12**	**-1.63**	86.41	5.687	79	
028.41	Manganese (ppm)	ICP, Dry ash	**0910**	79	77	**78**	**-1.48**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**2433**	80.7453	75.8768	**78.31**	**-1.42**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0407**	76.2667	81.4335	**78.85**	**-1.33**	86.41	5.687	79	
028.41	Manganese (ppm)	ICP, Dry ash	**0407**	78.7228	79.6065	**79.16**	**-1.27**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0504**	81	78	**79.5**	**-1.21**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**2326**	80.6	80.7	**80.65**	**-1.01**	86.41	5.687	79	
028.31	Manganese (ppm)	AAS, Dry ash	**0536**	81.088	81.338	**81.21**	**-0.91**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0297**	81	82	**81.5**	**-0.86**	86.41	5.687	79	
028.53	Manganese (ppm)	ICP-MS, Microwave	**0407**	79.5568	83.6127	**81.58**	**-0.85**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0870**	84.8714	79.4931	**82.18**	**-0.74**	86.41	5.687	79	
028.41	Manganese (ppm)	ICP, Dry ash	**0004**	81.57	83.13	**82.35**	**-0.71**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0366**	86	79	**82.5**	**-0.69**	86.41	5.687	79	
028.31	Manganese (ppm)	AAS, Dry ash	**0563**	83.71	82.065	**82.89**	**-0.62**	86.41	5.687	79	
028.41	Manganese (ppm)	ICP, Dry ash	**0358**	81.69	84.11	**82.9**	**-0.62**	86.41	5.687	79	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
028.42	Manganese (ppm)	ICP, Open vessel	**0009**	92	74	**83**	**-0.60**	86.41	5.687	79	
028.99	Manganese (ppm)	Miscellaneous	**0100**	85	81	**83**	**-0.60**	86.41	5.687	79	
028.52	Manganese (ppm)	ICP-MS, Open vessel	**0560**	88.89	77.27	**83.08**	**-0.59**	86.41	5.687	79	
028.41	Manganese (ppm)	ICP, Dry ash	**0171**	83.6	82.6	**83.1**	**-0.58**	86.41	5.687	79	
028.44	Manganese (ppm)	ICP, Dry ash	**0227**	83	83.5	**83.25**	**-0.56**	86.41	5.687	79	
028.31	Manganese (ppm)	AAS, Dry ash	**0001**	87.46	80.14	**83.8**	**-0.46**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0505**	83.37	84.32	**83.84**	**-0.45**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0035**	84	84	**84**	**-0.42**	86.41	5.687	79	7
028.41	Manganese (ppm)	ICP, Dry ash	**0019**	86.55	81.675	**84.11**	**-0.40**	86.41	5.687	79	
028.41	Manganese (ppm)	ICP, Dry ash	**0520**	86.088	82.51	**84.3**	**-0.37**	86.41	5.687	79	
028.41	Manganese (ppm)	ICP, Dry ash	**0208**	81.94	86.66	**84.3**	**-0.37**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0263**	83.84	84.877	**84.36**	**-0.36**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0001**	87.8	81.2	**84.5**	**-0.34**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0035**	84	85	**84.5**	**-0.34**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0294**	86.52	82.61	**84.56**	**-0.32**	86.41	5.687	79	
028.99	Manganese (ppm)	Miscellaneous	**0123**	84.94	85	**84.97**	**-0.25**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0510**	85	85	**85**	**-0.25**	86.41	5.687	79	7
028.43	Manganese (ppm)	ICP, Microwave	**0357**	84.375	85.812	**85.09**	**-0.23**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0169**	85	85.5	**85.25**	**-0.20**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0682**	92.33	78.31	**85.32**	**-0.19**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0202**	76.5	94.2	**85.35**	**-0.19**	86.41	5.687	79	
028.31	Manganese (ppm)	AAS, Dry ash	**2196**	85.38	85.38	**85.38**	**-0.18**	86.41	5.687	79	7
028.52	Manganese (ppm)	ICP-MS, Open vessel	**0186**	84.56	86.55	**85.56**	**-0.15**	86.41	5.687	79	
028.31	Manganese (ppm)	AAS, Dry ash	**0596**	86.37	84.84	**85.6**	**-0.14**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0010**	83.2	88.2	**85.7**	**-0.12**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0045**	83.7	88	**85.85**	**-0.10**	86.41	5.687	79	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
028.42	Manganese (ppm)	ICP, Open vessel	**0693**	91	82	**86.5**	**0.02**	86.41	5.687	79	
028.99	Manganese (ppm)	Miscellaneous	**2302**	88.4	84.7	**86.55**	**0.02**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0083**	88.62	84.81	**86.72**	**0.05**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0870**	89.5039	84.0605	**86.78**	**0.07**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0028**	91.267	82.631	**86.95**	**0.09**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0511**	86	88	**87**	**0.10**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0278**	88	86	**87**	**0.10**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0512**	80.41	94.96	**87.68**	**0.22**	86.41	5.687	79	
028.44	Manganese (ppm)	ICP, Dry ash	**0098**	88.32	88.54	**88.43**	**0.36**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0610**	87.6	89.6	**88.6**	**0.39**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**2476**	90.9	86.31	**88.6**	**0.39**	86.41	5.687	79	
028.31	Manganese (ppm)	AAS, Dry ash	**2188**	88.05	89.64	**88.84**	**0.43**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0675**	88.81	90.28	**89.54**	**0.55**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0968**	89.26	89.924	**89.59**	**0.56**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**2481**	90.16	89.61	**89.88**	**0.61**	86.41	5.687	79	
028.31	Manganese (ppm)	AAS, Dry ash	**2246**	90.503	89.8024	**90.15**	**0.66**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0226**	91.37	89.57	**90.47**	**0.71**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**2532**	87.58	94.48	**91.03**	**0.81**	86.41	5.687	79	
028.53	Manganese (ppm)	ICP-MS, Microwave	**0504**	85	98	**91.5**	**0.89**	86.41	5.687	79	
028.41	Manganese (ppm)	ICP, Dry ash	**0598**	91.0695	92.6609	**91.87**	**0.96**	86.41	5.687	79	
028.41	Manganese (ppm)	ICP, Dry ash	**0229**	84.63	99.6	**92.12**	**1.00**	86.41	5.687	79	
028.32	Manganese (ppm)	AAS, Open vessel	**0038**	92.3	93.6	**92.95**	**1.15**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0033**	95.3	91.9	**93.6**	**1.26**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0726**	93.9	93.7	**93.8**	**1.30**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0098**	102.5	85.24	**93.87**	**1.31**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**2129**	93.57	94.35	**93.96**	**1.33**	86.41	5.687	79	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
028.42	Manganese (ppm)	ICP, Open vessel	**0190**	92.36	96.04	**94.2**	**1.37**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0964**	92.6	96	**94.3**	**1.39**	86.41	5.687	79	
028.31	Manganese (ppm)	AAS, Dry ash	**0529**	96.1	93	**94.55**	**1.43**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0160**	98.7	90.9	**94.8**	**1.48**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0918**	96.7	93.07	**94.88**	**1.49**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0353**	93	97	**95**	**1.51**	86.41	5.687	79	
028.42	Manganese (ppm)	ICP, Open vessel	**0042**	99	91.1	**95.05**	**1.52**	86.41	5.687	79	
028.99	Manganese (ppm)	Miscellaneous	**2517**	95	100	**97.5**	**1.95**	86.41	5.687	79	
028.43	Manganese (ppm)	ICP, Microwave	**0345**	99.6	98.9	**99.25**	**2.26**	86.41	5.687	79	
					Nitrate (%)						
030.99	Nitrate (%)	Miscellaneous	**0357**	0	0	**0**					5
					Phosphorus (%)						
031.42	Phosphorus (%)	ICP, Open vessel	**0692**	0.51	0.49	**0.5**	**-4.57**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**0596**	0.53	0.52	**0.525**	**-3.71**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0357**	0.5537	0.5466	**0.5502**	**-2.84**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0083**	0.56	0.57	**0.565**	**-2.33**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0345**	0.56	0.57	**0.565**	**-2.33**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0910**	0.59	0.55	**0.57**	**-2.16**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0297**	0.58	0.59	**0.585**	**-1.64**	0.6326	0.029	104	
031.99	Phosphorus (%)	Miscellaneous	**0100**	0.6	0.58	**0.59**	**-1.47**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0366**	0.59	0.59	**0.59**	**-1.47**	0.6326	0.029	104	7
031.41	Phosphorus (%)	ICP, Dry ash	**0226**	0.59	0.59	**0.59**	**-1.47**	0.6326	0.029	104	7
031.44	Phosphorus (%)	ICP, Dry ash	**0066**	0.591	0.591	**0.591**	**-1.43**	0.6326	0.029	104	7
031.42	Phosphorus (%)	ICP, Open vessel	**0870**	0.5925	0.5945	**0.5935**	**-1.35**	0.6326	0.029	104	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
031.42	Phosphorus (%)	ICP, Open vessel	**0009**	0.592	0.596	**0.594**	**-1.33**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**2246**	0.6126	0.5863	**0.5994**	**-1.14**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0298**	0.59	0.61	**0.6**	**-1.12**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0229**	0.59	0.61	**0.6**	**-1.12**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**2181**	0.6	0.6	**0.6**	**-1.12**	0.6326	0.029	104	7
031.42	Phosphorus (%)	ICP, Open vessel	**2433**	0.6069	0.5937	**0.6003**	**-1.11**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0407**	0.5897	0.6135	**0.6016**	**-1.07**	0.6326	0.029	104	
031.99	Phosphorus (%)	Miscellaneous	**2465**	0.606	0.603	**0.6045**	**-0.97**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0693**	0.62	0.59	**0.605**	**-0.95**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**2453**	0.601	0.6092	**0.6051**	**-0.95**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0190**	0.62	0.6	**0.61**	**-0.78**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**2326**	0.59	0.63	**0.61**	**-0.78**	0.6326	0.029	104	
031.52	Phosphorus (%)	ICP-MS, Open vessel	**0154**	0.6168	0.6112	**0.614**	**-0.64**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**0035**	0.61	0.62	**0.615**	**-0.61**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0011**	0.6	0.63	**0.615**	**-0.61**	0.6326	0.029	104	
031.02	Phosphorus (%)	GQMP (AOAC 935.13-Extraction)	**0043**	0.6401	0.5913	**0.6157**	**-0.58**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0019**	0.6	0.635	**0.6175**	**-0.52**	0.6326	0.029	104	
031.44	Phosphorus (%)	ICP, Dry ash	**0098**	0.6252	0.6138	**0.6195**	**-0.45**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0045**	0.604	0.635	**0.6195**	**-0.45**	0.6326	0.029	104	
031.53	Phosphorus (%)	ICP-MS, Microwave	**0504**	0.613	0.626	**0.6195**	**-0.45**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**2259**	0.624	0.615	**0.6195**	**-0.45**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0010**	0.63	0.61	**0.62**	**-0.43**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0144**	0.63	0.61	**0.62**	**-0.43**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0089**	0.6264	0.6143	**0.6204**	**-0.42**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**0038**	0.623	0.623	**0.623**	**-0.33**	0.6326	0.029	104	7
031.43	Phosphorus (%)	ICP, Microwave	**2476**	0.636	0.61	**0.623**	**-0.33**	0.6326	0.029	104	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
031.42	Phosphorus (%)	ICP, Open vessel	**0504**	0.637	0.613	**0.625**	**-0.26**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0358**	0.62	0.63	**0.625**	**-0.26**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0294**	0.63	0.62	**0.625**	**-0.26**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0675**	0.62	0.63	**0.625**	**-0.26**	0.6326	0.029	104	
031.99	Phosphorus (%)	Miscellaneous	**2302**	0.63	0.62	**0.625**	**-0.26**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0036**	0.6345	0.6213	**0.6279**	**-0.16**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0598**	0.6278	0.6295	**0.6286**	**-0.14**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0511**	0.64	0.62	**0.63**	**-0.09**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**2302**	0.63	0.63	**0.63**	**-0.09**	0.6326	0.029	104	7
031.03	Phosphorus (%)	Autoanalyzer	**0001**	0.638	0.627	**0.6325**	**0.00**	0.6326	0.029	104	
031.53	Phosphorus (%)	ICP-MS, Microwave	**0407**	0.5941	0.6739	**0.634**	**0.05**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0610**	0.63	0.64	**0.635**	**0.08**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0028**	0.624	0.646	**0.635**	**0.08**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0004**	0.62	0.65	**0.635**	**0.08**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0171**	0.62	0.65	**0.635**	**0.08**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0848**	0.63	0.64	**0.635**	**0.08**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**2506**	0.64	0.63	**0.635**	**0.08**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0035**	0.64	0.64	**0.64**	**0.26**	0.6326	0.029	104	7
031.43	Phosphorus (%)	ICP, Microwave	**0001**	0.647	0.633	**0.64**	**0.26**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**2188**	0.64	0.64	**0.64**	**0.26**	0.6326	0.029	104	7
031.01	Phosphorus (%)	Photometric	**2146**	0.64	0.64	**0.64**	**0.26**	0.6326	0.029	104	7
031.44	Phosphorus (%)	ICP, Dry ash	**0227**	0.655	0.628	**0.6415**	**0.31**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0208**	0.6338	0.6498	**0.6418**	**0.32**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0018**	0.654	0.631	**0.6425**	**0.34**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**2196**	0.643	0.643	**0.643**	**0.36**	0.6326	0.029	104	7
031.43	Phosphorus (%)	ICP, Microwave	**0968**	0.643	0.644	**0.6435**	**0.38**	0.6326	0.029	104	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
031.01	Phosphorus (%)	Photometric	**0563**	0.647	0.6419	**0.6444**	**0.41**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0226**	0.64	0.65	**0.645**	**0.43**	0.6326	0.029	104	
031.03	Phosphorus (%)	Autoanalyzer	**0169**	0.62	0.67	**0.645**	**0.43**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0353**	0.64	0.65	**0.645**	**0.43**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0006**	0.634	0.66	**0.647**	**0.50**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0505**	0.638	0.658	**0.648**	**0.53**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0186**	0.6588	0.641	**0.6499**	**0.60**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0278**	0.68	0.62	**0.65**	**0.60**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**0529**	0.65	0.65	**0.65**	**0.60**	0.6326	0.029	104	7
031.01	Phosphorus (%)	Photometric	**0687**	0.66	0.64	**0.65**	**0.60**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0682**	0.64	0.66	**0.65**	**0.60**	0.6326	0.029	104	
031.99	Phosphorus (%)	Miscellaneous	**0852**	0.66	0.64	**0.65**	**0.60**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**2434**	0.65	0.65	**0.65**	**0.60**	0.6326	0.029	104	7
031.43	Phosphorus (%)	ICP, Microwave	**0033**	0.67	0.631	**0.6505**	**0.62**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**2006**	0.648	0.653	**0.6505**	**0.62**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0202**	0.646	0.656	**0.651**	**0.63**	0.6326	0.029	104	
031.52	Phosphorus (%)	ICP-MS, Open vessel	**0186**	0.6646	0.641	**0.6528**	**0.70**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**2532**	0.63	0.68	**0.655**	**0.77**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0512**	0.6339	0.677	**0.6554**	**0.79**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0098**	0.6588	0.6527	**0.6558**	**0.80**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0407**	0.6523	0.661	**0.6566**	**0.83**	0.6326	0.029	104	
031.41	Phosphorus (%)	ICP, Dry ash	**0520**	0.6598	0.6536	**0.6567**	**0.83**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0263**	0.659	0.656	**0.6575**	**0.86**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**0108**	0.7	0.62	**0.66**	**0.94**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0510**	0.66	0.66	**0.66**	**0.94**	0.6326	0.029	104	7
031.43	Phosphorus (%)	ICP, Microwave	**0860**	0.66	0.66	**0.66**	**0.94**	0.6326	0.029	104	7

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
031.43	Phosphorus (%)	ICP, Microwave	**0848**	0.65	0.67	**0.66**	**0.94**	0.6326	0.029	104	
031.99	Phosphorus (%)	Miscellaneous	**2517**	0.674	0.648	**0.661**	**0.98**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0964**	0.6629	0.6649	**0.6639**	**1.08**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0160**	0.69	0.64	**0.665**	**1.12**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**2526**	0.67	0.66	**0.665**	**1.12**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0726**	0.67	0.67	**0.67**	**1.29**	0.6326	0.029	104	7
031.43	Phosphorus (%)	ICP, Microwave	**2481**	0.67	0.67	**0.67**	**1.29**	0.6326	0.029	104	7
031.42	Phosphorus (%)	ICP, Open vessel	**2129**	0.674	0.671	**0.6725**	**1.38**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0035**	0.67	0.68	**0.675**	**1.46**	0.6326	0.029	104	
031.52	Phosphorus (%)	ICP-MS, Open vessel	**0560**	0.717	0.656	**0.6865**	**1.86**	0.6326	0.029	104	
031.99	Phosphorus (%)	Miscellaneous	**0123**	0.68	0.71	**0.695**	**2.15**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0870**	0.684	0.7225	**0.7032**	**2.44**	0.6326	0.029	104	
031.01	Phosphorus (%)	Photometric	**2144**	0.7	0.71	**0.705**	**2.50**	0.6326	0.029	104	
031.42	Phosphorus (%)	ICP, Open vessel	**0042**	0.702	0.724	**0.713**	**2.77**	0.6326	0.029	104	
031.43	Phosphorus (%)	ICP, Microwave	**0918**	0.644	649	**324.8**	**>100**	0.6326	0.029	104	3
					Potassium (%)						
032.43	Potassium (%)	ICP, Microwave	**0345**	0.813	0.8001	**0.8066**	**-2.77**	0.9736	0.0602	79	
032.41	Potassium (%)	ICP, Dry ash	**0004**	0.83	0.86	**0.845**	**-2.14**	0.9736	0.0602	79	
032.52	Potassium (%)	ICP-MS, Open vessel	**0154**	0.8335	0.8811	**0.8573**	**-1.93**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0083**	0.86	0.88	**0.87**	**-1.72**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0357**	0.8748	0.8773	**0.876**	**-1.62**	0.9736	0.0602	79	
032.41	Potassium (%)	ICP, Dry ash	**0066**	0.905	0.868	**0.8865**	**-1.45**	0.9736	0.0602	79	
032.41	Potassium (%)	ICP, Dry ash	**0910**	0.92	0.86	**0.89**	**-1.39**	0.9736	0.0602	79	
032.44	Potassium (%)	ICP, Dry ash	**0098**	0.91	0.88	**0.895**	**-1.31**	0.9736	0.0602	79	
032.31	Potassium (%)	AAS, Dry ash	**0563**	0.884	0.913	**0.8985**	**-1.25**	0.9736	0.0602	79	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
032.42	Potassium (%)	ICP, Open vessel	**2433**	0.9156	0.885	**0.9003**	**-1.22**	0.9736	0.0602	79	
032.31	Potassium (%)	AAS, Dry ash	**2246**	0.8998	0.9015	**0.9006**	**-1.21**	0.9736	0.0602	79	
032.41	Potassium (%)	ICP, Dry ash	**0089**	0.9059	0.8966	**0.9012**	**-1.20**	0.9736	0.0602	79	
032.31	Potassium (%)	AAS, Dry ash	**0536**	0.901	0.91	**0.9055**	**-1.13**	0.9736	0.0602	79	
032.41	Potassium (%)	ICP, Dry ash	**0019**	0.91	0.915	**0.9125**	**-1.02**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0510**	0.93	0.9	**0.915**	**-0.97**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0968**	0.937	0.93	**0.9335**	**-0.67**	0.9736	0.0602	79	
032.41	Potassium (%)	ICP, Dry ash	**0171**	0.89	0.98	**0.935**	**-0.64**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0045**	0.917	0.953	**0.935**	**-0.64**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0226**	0.94	0.94	**0.94**	**-0.56**	0.9736	0.0602	79	7
032.41	Potassium (%)	ICP, Dry ash	**0229**	0.89	0.99	**0.94**	**-0.56**	0.9736	0.0602	79	
032.99	Potassium (%)	Miscellaneous	**0123**	0.94	0.94	**0.94**	**-0.56**	0.9736	0.0602	79	7
032.42	Potassium (%)	ICP, Open vessel	**0692**	0.92	0.96	**0.94**	**-0.56**	0.9736	0.0602	79	
032.31	Potassium (%)	AAS, Dry ash	**2196**	0.94	0.94	**0.94**	**-0.56**	0.9736	0.0602	79	7
032.41	Potassium (%)	ICP, Dry ash	**0407**	0.9165	0.9689	**0.9427**	**-0.51**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0870**	0.9618	0.9238	**0.9428**	**-0.51**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0036**	0.9545	0.937	**0.9458**	**-0.46**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0918**	0.953	0.939	**0.946**	**-0.46**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0297**	0.96	0.94	**0.95**	**-0.39**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**2476**	0.965	0.935	**0.95**	**-0.39**	0.9736	0.0602	79	
032.99	Potassium (%)	Miscellaneous	**0100**	0.99	0.93	**0.96**	**-0.23**	0.9736	0.0602	79	
032.99	Potassium (%)	Miscellaneous	**2302**	0.94	0.98	**0.96**	**-0.23**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0028**	0.951	0.977	**0.964**	**-0.16**	0.9736	0.0602	79	
032.41	Potassium (%)	ICP, Dry ash	**0144**	0.97	0.96	**0.965**	**-0.14**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0675**	0.96	0.97	**0.965**	**-0.14**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0011**	0.95	0.98	**0.965**	**-0.14**	0.9736	0.0602	79	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
032.41	Potassium (%)	ICP, Dry ash	**0358**	0.96	0.97	**0.965**	**-0.14**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0366**	1.01	0.92	**0.965**	**-0.14**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0294**	0.98	0.96	**0.97**	**-0.06**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0278**	0.99	0.96	**0.975**	**0.02**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0693**	0.96	0.99	**0.975**	**0.02**	0.9736	0.0602	79	
032.53	Potassium (%)	ICP-MS, Microwave	**0407**	0.898	1.0528	**0.9754**	**0.03**	0.9736	0.0602	79	1
032.43	Potassium (%)	ICP, Microwave	**0001**	0.978	0.98	**0.979**	**0.09**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0098**	0.99	0.97	**0.98**	**0.11**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0407**	0.9724	0.9943	**0.9834**	**0.16**	0.9736	0.0602	79	
032.31	Potassium (%)	AAS, Dry ash	**0038**	1.01	0.957	**0.9835**	**0.16**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0511**	0.99	0.98	**0.985**	**0.19**	0.9736	0.0602	79	
032.99	Potassium (%)	Miscellaneous	**0001**	0.995	0.975	**0.985**	**0.19**	0.9736	0.0602	79	
032.41	Potassium (%)	ICP, Dry ash	**0226**	0.98	0.99	**0.985**	**0.19**	0.9736	0.0602	79	
032.41	Potassium (%)	ICP, Dry ash	**0520**	1.0035	0.9791	**0.9913**	**0.29**	0.9736	0.0602	79	
032.41	Potassium (%)	ICP, Dry ash	**0598**	0.992	0.9917	**0.9918**	**0.30**	0.9736	0.0602	79	
032.41	Potassium (%)	ICP, Dry ash	**0208**	0.987	1.001	**0.994**	**0.34**	0.9736	0.0602	79	
032.52	Potassium (%)	ICP-MS, Open vessel	**0186**	0.9975	0.9914	**0.9944**	**0.35**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0353**	1	0.99	**0.995**	**0.35**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0682**	0.98	1.01	**0.995**	**0.35**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0505**	0.994	1	**0.997**	**0.39**	0.9736	0.0602	79	
032.44	Potassium (%)	ICP, Dry ash	**0227**	1.02	0.974	**0.997**	**0.39**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0035**	1	1	**1**	**0.44**	0.9736	0.0602	79	7
032.43	Potassium (%)	ICP, Microwave	**0033**	1.01	0.994	**1.002**	**0.47**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0190**	1.01	1	**1.005**	**0.52**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0610**	1	1.01	**1.005**	**0.52**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0035**	1	1.02	**1.01**	**0.60**	0.9736	0.0602	79	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
032.43	Potassium (%)	ICP, Microwave	**2326**	1.02	1	**1.01**	**0.60**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0202**	1	1.03	**1.015**	**0.69**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0504**	1.02	1.01	**1.015**	**0.69**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**2532**	0.99	1.05	**1.02**	**0.77**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**2481**	0.99	1.06	**1.025**	**0.85**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0010**	1.04	1.02	**1.03**	**0.94**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0964**	1.0191	1.045	**1.032**	**0.97**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**2129**	1.031	1.036	**1.034**	**0.99**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0512**	1.017	1.064	**1.04**	**1.11**	0.9736	0.0602	79	
032.31	Potassium (%)	AAS, Dry ash	**0529**	1.03	1.06	**1.045**	**1.18**	0.9736	0.0602	79	
032.43	Potassium (%)	ICP, Microwave	**0006**	1.08	1.02	**1.05**	**1.27**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0042**	1.06	1.07	**1.065**	**1.52**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0726**	1.06	1.07	**1.065**	**1.52**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0263**	1.068	1.077	**1.072**	**1.64**	0.9736	0.0602	79	
032.32	Potassium (%)	AAS, Open vessel	**0169**	1.07	1.08	**1.075**	**1.68**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0009**	1.1453	1.0063	**1.076**	**1.70**	0.9736	0.0602	79	1
032.43	Potassium (%)	ICP, Microwave	**0870**	1.0441	1.1176	**1.081**	**1.78**	0.9736	0.0602	79	
032.42	Potassium (%)	ICP, Open vessel	**0186**	1.0878	1.0798	**1.084**	**1.83**	0.9736	0.0602	79	
032.52	Potassium (%)	ICP-MS, Open vessel	**0560**	1.136	1.033	**1.084**	**1.84**	0.9736	0.0602	79	
032.99	Potassium (%)	Miscellaneous	**2517**	1.17	1.15	**1.16**	**3.09**	0.9736	0.0602	79	

Salt as chloride (%)

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
033.01	Salt as chloride (%)	Poten Cl	**2465**	0.26	0.29	**0.275**	**-5.48**	0.4553	0.0329	53	
033.05	Salt as chloride (%)	Ion Sel Electrode	**0918**	0.36	0.36	**0.36**	**-2.90**	0.4553	0.0329	53	7
033.99	Salt (%)	Miscellaneous	**2476**	0.394	0.376	**0.385**	**-2.14**	0.4553	0.0329	53	
033.03	Salt as chloride (%)	Quantab	**2076**	0.35	0.43	**0.39**	**-1.99**	0.4553	0.0329	53	1

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
033.05	Salt as chloride (%)	Ion Sel Electrode	**0171**	0.4	0.39	**0.395**	**-1.83**	0.4553	0.0329	53	
033.99	Salt (%)	Miscellaneous	**0028**	0.41	0.412	**0.411**	**-1.35**	0.4553	0.0329	53	
033.99	Salt (%)	Miscellaneous	**0358**	0.42	0.41	**0.415**	**-1.22**	0.4553	0.0329	53	
033.99	Salt (%)	Miscellaneous	**0964**	0.422	0.41	**0.416**	**-1.19**	0.4553	0.0329	53	
033.03	Salt as chloride (%)	Quantab	**0190**	0.42	0.42	**0.42**	**-1.07**	0.4553	0.0329	53	7
033.05	Salt as chloride (%)	Ion Sel Electrode	**0278**	0.4	0.45	**0.425**	**-0.92**	0.4553	0.0329	53	
033.00	Salt as chloride (%)	Sol Cl	**2506**	0.42	0.44	**0.43**	**-0.77**	0.4553	0.0329	53	
033.99	Salt (%)	Miscellaneous	**0208**	0.439	0.424	**0.4315**	**-0.72**	0.4553	0.0329	53	
033.00	Salt as chloride (%)	Sol Cl	**2453**	0.4349	0.4333	**0.4341**	**-0.64**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**0229**	0.43	0.44	**0.435**	**-0.62**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**0964**	0.438	0.435	**0.4365**	**-0.57**	0.4553	0.0329	53	
033.00	Salt as chloride (%)	Sol Cl	**0045**	0.429	0.445	**0.437**	**-0.56**	0.4553	0.0329	53	
033.03	Salt as chloride (%)	Quantab	**0726**	0.44	0.44	**0.44**	**-0.46**	0.4553	0.0329	53	7
033.00	Salt as chloride (%)	Sol Cl	**2146**	0.44	0.44	**0.44**	**-0.46**	0.4553	0.0329	53	7
033.01	Salt as chloride (%)	Poten Cl	**0004**	0.45	0.44	**0.445**	**-0.31**	0.4553	0.0329	53	
033.99	Salt (%)	Miscellaneous	**2517**	0.44	0.45	**0.445**	**-0.31**	0.4553	0.0329	53	
033.99	Salt (%)	Miscellaneous	**2144**	0.43	0.46	**0.445**	**-0.31**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**2517**	0.44	0.45	**0.445**	**-0.31**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**2146**	0.45	0.44	**0.445**	**-0.31**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**0010**	0.45	0.45	**0.45**	**-0.16**	0.4553	0.0329	53	7
033.01	Salt as chloride (%)	Poten Cl	**0226**	0.45	0.45	**0.45**	**-0.16**	0.4553	0.0329	53	7
033.01	Salt as chloride (%)	Poten Cl	**0098**	0.46	0.44	**0.45**	**-0.16**	0.4553	0.0329	53	
033.00	Salt as chloride (%)	Sol Cl	**0123**	0.46	0.44	**0.45**	**-0.16**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**0001**	0.45	0.45	**0.45**	**-0.16**	0.4553	0.0329	53	7
033.99	Salt (%)	Miscellaneous	**2129**	0.454	0.456	**0.455**	**-0.01**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**0407**	0.452	0.46	**0.456**	**0.02**	0.4553	0.0329	53	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
033.01	Salt as chloride (%)	Poten Cl	**0089**	0.4655	0.451	**0.4582**	**0.09**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**0510**	0.46	0.46	**0.46**	**0.14**	0.4553	0.0329	53	7
033.01	Salt as chloride (%)	Poten Cl	**0242**	0.46	0.46	**0.46**	**0.14**	0.4553	0.0329	53	7
033.01	Salt as chloride (%)	Poten Cl	**0227**	0.46	0.46	**0.46**	**0.14**	0.4553	0.0329	53	7
033.99	Salt (%)	Miscellaneous	**0650**	0.46	0.46	**0.46**	**0.14**	0.4553	0.0329	53	7
033.01	Salt as chloride (%)	Poten Cl	**0019**	0.455	0.47	**0.4625**	**0.22**	0.4553	0.0329	53	
033.00	Salt as chloride (%)	Sol Cl	**0353**	0.46	0.47	**0.465**	**0.30**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**0100**	0.45	0.48	**0.465**	**0.30**	0.4553	0.0329	53	
033.99	Salt (%)	Miscellaneous	**2181**	0.46	0.48	**0.47**	**0.45**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**0083**	0.48	0.47	**0.475**	**0.60**	0.4553	0.0329	53	
033.99	Salt (%)	Miscellaneous	**2246**	0.4866	0.4724	**0.4795**	**0.74**	0.4553	0.0329	53	
033.00	Salt as chloride (%)	Sol Cl	**0693**	0.48	0.48	**0.48**	**0.75**	0.4553	0.0329	53	7
033.00	Salt as chloride (%)	Sol Cl	**0511**	0.5	0.47	**0.485**	**0.90**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**0682**	0.46	0.51	**0.485**	**0.90**	0.4553	0.0329	53	
033.00	Salt as chloride (%)	Sol Cl	**0298**	0.48	0.5	**0.49**	**1.06**	0.4553	0.0329	53	
033.00	Salt as chloride (%)	Sol Cl	**2196**	0.49	0.49	**0.49**	**1.06**	0.4553	0.0329	53	7
033.00	Salt as chloride (%)	Sol Cl	**0539**	0.51	0.48	**0.495**	**1.21**	0.4553	0.0329	53	
033.99	Salt (%)	Miscellaneous	**2326**	0.51	0.48	**0.495**	**1.21**	0.4553	0.0329	53	
033.99	Salt (%)	Miscellaneous	**0042**	0.493	0.498	**0.4955**	**1.22**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**2268**	0.52	0.48	**0.5**	**1.36**	0.4553	0.0329	53	
033.01	Salt as chloride (%)	Poten Cl	**0186**	0.51	0.5	**0.505**	**1.51**	0.4553	0.0329	53	
033.03	Salt as chloride (%)	Quantab	**0505**	0.52	0.5	**0.51**	**1.66**	0.4553	0.0329	53	
033.00	Salt as chloride (%)	Sol Cl	**0366**	0.61	0.63	**0.62**	**5.01**	0.4553	0.0329	53	
033.00	Salt as chloride (%)	Sol Cl	**2525**	0.65	0.65	**0.65**	**5.92**	0.4553	0.0329	53	7

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
				Selenium (ppm)							
034.43	Selenium (ppm)	ICP, Microwave	**0610**	<10	<10	**<10**		0.2974	0.054	17	6
034.43	Selenium (ppm)	ICP, Microwave	**0682**	<5	<5	**<5**		0.2974	0.054	17	6
034.43	Selenium (ppm)	ICP, Microwave	**2476**	0	0	**0**		0.2974	0.054	17	5
034.53	Selenium (ppm)	ICP-MS, Microwave	**0504**	0.1	0.2	**0.15**	**-2.73**	0.2974	0.054	17	
034.04	Selenium (ppm)	AA, Hydride	**0045**	0.244	0.216	**0.23**	**-1.25**	0.2974	0.054	17	
034.43	Selenium (ppm)	ICP, Microwave	**0066**	0.252	0.234	**0.243**	**-1.01**	0.2974	0.054	17	
034.04	Selenium (ppm)	AA, Hydride	**0563**	0.2508	0.245	**0.2479**	**-0.92**	0.2974	0.054	17	
034.01	Selenium (ppm)	Fluor	**0038**	0.28	0.28	**0.28**	**-0.32**	0.2974	0.054	17	7
034.53	Selenium (ppm)	ICP-MS, Microwave	**0009**	0.2586	0.3074	**0.283**	**-0.27**	0.2974	0.054	17	
034.53	Selenium (ppm)	ICP-MS, Microwave	**0227**	0.288	0.286	**0.287**	**-0.19**	0.2974	0.054	17	
034.53	Selenium (ppm)	ICP-MS, Microwave	**0010**	0.26	0.32	**0.29**	**-0.14**	0.2974	0.054	17	
034.52	Selenium (ppm)	ICP-MS, Open vessel	**0560**	0.3	0.28	**0.29**	**-0.14**	0.2974	0.054	17	
034.53	Selenium (ppm)	ICP-MS, Microwave	**0033**	0.296	0.3	**0.298**	**0.01**	0.2974	0.054	17	
034.04	Selenium (ppm)	AA, Hydride	**0169**	0.31	0.32	**0.315**	**0.33**	0.2974	0.054	17	
034.43	Selenium (ppm)	ICP, Microwave	**0278**	0.31	0.32	**0.315**	**0.33**	0.2974	0.054	17	
034.52	Selenium (ppm)	ICP-MS, Open vessel	**0186**	0.327	0.3127	**0.3198**	**0.42**	0.2974	0.054	17	
034.53	Selenium (ppm)	ICP-MS, Microwave	**0407**	0.2964	0.3454	**0.3209**	**0.44**	0.2974	0.054	17	
034.53	Selenium (ppm)	ICP-MS, Microwave	**0918**	0.3455	0.3795	**0.3625**	**1.21**	0.2974	0.054	17	
034.99	Selenium (ppm)	Miscellaneous	**2517**	1	0	**0.5**		0.2974	0.054	17	5
034.99	Selenium (ppm)	Miscellaneous	**0190**	0.625	0.626	**0.6255**	**6.08**	0.2974	0.054	17	
034.42	Selenium (ppm)	ICP, Open vessel	**0692**	1.39	0.66	**1.025**	**13.48**	0.2974	0.054	17	
				Sodium (%)							
035.52	Sodium (%)	ICP-MS, Open vessel	**0154**	0.1407	0.1483	**0.1445**	**-1.93**	0.1674	0.0118	79	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
035.41	Sodium (%)	ICP, Dry ash	**0298**	0.14	0.16	**0.15**	**-1.47**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0010**	0.14	0.16	**0.15**	**-1.47**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**0692**	0.14	0.16	**0.15**	**-1.47**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**0366**	0.151	0.151	**0.151**	**-1.38**	0.1674	0.0118	79	7
035.43	Sodium (%)	ICP, Microwave	**2476**	0.155	0.148	**0.1515**	**-1.34**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0357**	0.1529	0.1547	**0.1538**	**-1.15**	0.1674	0.0118	79	
035.05	Sodium (%)	Flame Emission	**0108**	0.16	0.15	**0.155**	**-1.04**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0511**	0.15	0.16	**0.155**	**-1.04**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0098**	0.16	0.15	**0.155**	**-1.04**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0083**	0.153	0.158	**0.1555**	**-1.00**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**0045**	0.157	0.154	**0.1555**	**-1.00**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0918**	0.157	0.155	**0.156**	**-0.96**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**0870**	0.1599	0.1562	**0.158**	**-0.79**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0407**	0.1597	0.1603	**0.16**	**-0.62**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**0278**	0.16	0.16	**0.16**	**-0.62**	0.1674	0.0118	79	7
035.99	Sodium (%)	Miscellaneous	**0100**	0.16	0.16	**0.16**	**-0.62**	0.1674	0.0118	79	7
035.43	Sodium (%)	ICP, Microwave	**0297**	0.16	0.16	**0.16**	**-0.62**	0.1674	0.0118	79	7
035.41	Sodium (%)	ICP, Dry ash	**0358**	0.16	0.16	**0.16**	**-0.62**	0.1674	0.0118	79	7
035.43	Sodium (%)	ICP, Microwave	**0098**	0.16	0.16	**0.16**	**-0.62**	0.1674	0.0118	79	7
035.42	Sodium (%)	ICP, Open vessel	**0190**	0.16	0.16	**0.16**	**-0.62**	0.1674	0.0118	79	7
035.43	Sodium (%)	ICP, Microwave	**0226**	0.16	0.16	**0.16**	**-0.62**	0.1674	0.0118	79	7
035.42	Sodium (%)	ICP, Open vessel	**0294**	0.16	0.16	**0.16**	**-0.62**	0.1674	0.0118	79	7
035.99	Sodium (%)	Miscellaneous	**2302**	0.15	0.17	**0.16**	**-0.62**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**0693**	0.155	0.165	**0.16**	**-0.62**	0.1674	0.0118	79	
035.31	Sodium (%)	AAS, Dry ash	**0563**	0.1641	0.1562	**0.1602**	**-0.61**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0028**	0.161	0.162	**0.1615**	**-0.49**	0.1674	0.0118	79	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
035.43	Sodium (%)	ICP, Microwave	**0505**	0.164	0.16	**0.162**	**-0.45**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0033**	0.163	0.161	**0.162**	**-0.45**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0001**	0.165	0.159	**0.162**	**-0.45**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0019**	0.165	0.16	**0.1625**	**-0.41**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**0504**	0.163	0.164	**0.1635**	**-0.33**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0964**	0.1659	0.1611	**0.1635**	**-0.33**	0.1674	0.0118	79	
035.53	Sodium (%)	ICP-MS, Microwave	**0504**	0.171	0.157	**0.164**	**-0.28**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0144**	0.17	0.16	**0.165**	**-0.20**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0675**	0.16	0.17	**0.165**	**-0.20**	0.1674	0.0118	79	
035.99	Sodium (%)	Miscellaneous	**0123**	0.17	0.16	**0.165**	**-0.20**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0229**	0.16	0.17	**0.165**	**-0.20**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0682**	0.16	0.17	**0.165**	**-0.20**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**2532**	0.16	0.17	**0.165**	**-0.20**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0910**	0.17	0.16	**0.165**	**-0.20**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**2326**	0.16	0.17	**0.165**	**-0.20**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**2481**	0.16	0.17	**0.165**	**-0.20**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0066**	0.168	0.167	**0.1675**	**0.01**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**0186**	0.1649	0.1705	**0.1677**	**0.03**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0208**	0.1666	0.1695	**0.168**	**0.06**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**2433**	0.1667	0.1704	**0.1686**	**0.10**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0227**	0.168	0.17	**0.169**	**0.14**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**0263**	0.17	0.169	**0.1695**	**0.18**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0226**	0.17	0.17	**0.17**	**0.22**	0.1674	0.0118	79	7
035.41	Sodium (%)	ICP, Dry ash	**0171**	0.17	0.17	**0.17**	**0.22**	0.1674	0.0118	79	7
035.43	Sodium (%)	ICP, Microwave	**0035**	0.17	0.17	**0.17**	**0.22**	0.1674	0.0118	79	7
035.42	Sodium (%)	ICP, Open vessel	**0726**	0.17	0.17	**0.17**	**0.22**	0.1674	0.0118	79	7

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
035.43	Sodium (%)	ICP, Microwave	**0512**	0.1692	0.1715	**0.1704**	**0.25**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0006**	0.179	0.164	**0.1715**	**0.35**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**2129**	0.173	0.172	**0.1725**	**0.44**	0.1674	0.0118	79	
035.52	Sodium (%)	ICP-MS, Open vessel	**0186**	0.1742	0.1751	**0.1746**	**0.62**	0.1674	0.0118	79	
035.53	Sodium (%)	ICP-MS, Microwave	**0407**	0.1746	0.1757	**0.1752**	**0.66**	0.1674	0.0118	79	
035.52	Sodium (%)	ICP-MS, Open vessel	**0560**	0.183	0.168	**0.1755**	**0.69**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0968**	0.171	0.18	**0.1755**	**0.69**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0353**	0.1766	0.1777	**0.1772**	**0.83**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0510**	0.178	0.177	**0.1775**	**0.86**	0.1674	0.0118	79	
035.31	Sodium (%)	AAS, Dry ash	**0038**	0.178	0.178	**0.178**	**0.90**	0.1674	0.0118	79	7
035.43	Sodium (%)	ICP, Microwave	**0870**	0.1758	0.1837	**0.1798**	**1.05**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**0035**	0.18	0.18	**0.18**	**1.07**	0.1674	0.0118	79	7
035.41	Sodium (%)	ICP, Dry ash	**0004**	0.17	0.19	**0.18**	**1.07**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0610**	0.18	0.18	**0.18**	**1.07**	0.1674	0.0118	79	7
035.42	Sodium (%)	ICP, Open vessel	**0202**	0.175	0.187	**0.181**	**1.15**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**2259**	0.181	0.183	**0.182**	**1.24**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0407**	0.1674	0.199	**0.1832**	**1.34**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0598**	0.1836	0.1852	**0.1844**	**1.44**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0089**	0.1833	0.186	**0.1846**	**1.46**	0.1674	0.0118	79	
035.32	Sodium (%)	AAS, Open vessel	**0169**	0.21	0.17	**0.19**	**1.92**	0.1674	0.0118	79	1
035.31	Sodium (%)	AAS, Dry ash	**2196**	0.19	0.19	**0.19**	**1.92**	0.1674	0.0118	79	7
035.31	Sodium (%)	AAS, Dry ash	**0529**	0.191	0.193	**0.192**	**2.08**	0.1674	0.0118	79	
035.41	Sodium (%)	ICP, Dry ash	**0520**	0.1895	0.1945	**0.192**	**2.08**	0.1674	0.0118	79	
035.31	Sodium (%)	AAS, Dry ash	**2246**	0.1972	0.1925	**0.1948**	**2.33**	0.1674	0.0118	79	
035.42	Sodium (%)	ICP, Open vessel	**0042**	0.194	0.196	**0.195**	**2.34**	0.1674	0.0118	79	
035.43	Sodium (%)	ICP, Microwave	**0345**	0.195	0.203	**0.199**	**2.68**	0.1674	0.0118	79	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
035.99	Sodium (%)	Miscellaneous	**0852**	0.6	0.58	**0.59**	**35.74**	0.1674	0.0118	79	
035.99	Sodium (%)	Miscellaneous	**2465**	0.958	0.919	**0.9385**	**65.21**	0.1674	0.0118	79	3
					Sulfur (%)						
036.53	Sulfur (%)	ICP-MS, Microwave	**0504**	0.172	0.177	**0.1745**	**-3.92**	0.2429	0.0175	53	
036.42	Sulfur (%)	ICP, Open vessel	**0692**	0.19	0.18	**0.185**	**-3.32**	0.2429	0.0175	53	
036.99	Sulfur (%)	Miscellaneous	**2302**	0.2	0.21	**0.205**	**-2.17**	0.2429	0.0175	53	
036.04	Sulfur (%)	LECO	**0001**	0.218	0.216	**0.217**	**-1.48**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0297**	0.22	0.22	**0.22**	**-1.31**	0.2429	0.0175	53	7
036.42	Sulfur (%)	ICP, Open vessel	**0035**	0.22	0.22	**0.22**	**-1.31**	0.2429	0.0175	53	7
036.42	Sulfur (%)	ICP, Open vessel	**0366**	0.22	0.22	**0.22**	**-1.31**	0.2429	0.0175	53	7
036.43	Sulfur (%)	ICP, Microwave	**0083**	0.225	0.224	**0.2245**	**-1.05**	0.2429	0.0175	53	
036.42	Sulfur (%)	ICP, Open vessel	**0693**	0.23	0.22	**0.225**	**-1.02**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0357**	0.2268	0.226	**0.2264**	**-0.94**	0.2429	0.0175	53	
036.42	Sulfur (%)	ICP, Open vessel	**0910**	0.2419	0.2161	**0.229**	**-0.80**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0407**	0.2284	0.2307	**0.2296**	**-0.76**	0.2429	0.0175	53	
036.99	Sulfur (%)	Miscellaneous	**0123**	0.23	0.23	**0.23**	**-0.74**	0.2429	0.0175	53	7
036.42	Sulfur (%)	ICP, Open vessel	**0294**	0.23	0.23	**0.23**	**-0.74**	0.2429	0.0175	53	7
036.42	Sulfur (%)	ICP, Open vessel	**0870**	0.2334	0.2313	**0.2324**	**-0.60**	0.2429	0.0175	53	
036.42	Sulfur (%)	ICP, Open vessel	**0045**	0.23	0.238	**0.234**	**-0.51**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**2476**	0.24	0.229	**0.2345**	**-0.48**	0.2429	0.0175	53	
036.04	Sulfur (%)	LECO	**0229**	0.23	0.24	**0.235**	**-0.45**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0011**	0.23	0.24	**0.235**	**-0.45**	0.2429	0.0175	53	
036.42	Sulfur (%)	ICP, Open vessel	**0190**	0.24	0.23	**0.235**	**-0.45**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**2326**	0.24	0.23	**0.235**	**-0.45**	0.2429	0.0175	53	
036.00	Sulfur (%)	Gravimetric	**0038**	0.222	0.255	**0.2385**	**-0.25**	0.2429	0.0175	53	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
036.43	Sulfur (%)	ICP, Microwave	**0033**	0.239	0.241	**0.24**	**-0.17**	0.2429	0.0175	53	
036.42	Sulfur (%)	ICP, Open vessel	**0708**	0.242	0.242	**0.242**	**-0.05**	0.2429	0.0175	53	7
036.52	Sulfur (%)	ICP-MS, Open vessel	**0186**	0.2464	0.2433	**0.2448**	**0.11**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0226**	0.25	0.24	**0.245**	**0.12**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0353**	0.24	0.25	**0.245**	**0.12**	0.2429	0.0175	53	
036.42	Sulfur (%)	ICP, Open vessel	**0227**	0.25	0.24	**0.245**	**0.12**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0006**	0.247	0.246	**0.2465**	**0.21**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0345**	0.246	0.247	**0.2465**	**0.21**	0.2429	0.0175	53	
036.42	Sulfur (%)	ICP, Open vessel	**0407**	0.233	0.2603	**0.2466**	**0.22**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0035**	0.25	0.25	**0.25**	**0.41**	0.2429	0.0175	53	7
036.43	Sulfur (%)	ICP, Microwave	**0010**	0.25	0.25	**0.25**	**0.41**	0.2429	0.0175	53	7
036.43	Sulfur (%)	ICP, Microwave	**0510**	0.25	0.25	**0.25**	**0.41**	0.2429	0.0175	53	7
036.04	Sulfur (%)	LECO	**0720**	0.25	0.25	**0.25**	**0.41**	0.2429	0.0175	53	7
036.42	Sulfur (%)	ICP, Open vessel	**0726**	0.25	0.25	**0.25**	**0.41**	0.2429	0.0175	53	7
036.43	Sulfur (%)	ICP, Microwave	**0505**	0.25	0.251	**0.2505**	**0.44**	0.2429	0.0175	53	
036.42	Sulfur (%)	ICP, Open vessel	**0042**	0.247	0.257	**0.252**	**0.52**	0.2429	0.0175	53	
036.42	Sulfur (%)	ICP, Open vessel	**0202**	0.25	0.255	**0.2525**	**0.55**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**2481**	0.25	0.26	**0.255**	**0.69**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0918**	0.252	0.261	**0.2565**	**0.78**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0964**	0.2546	0.2585	**0.2566**	**0.78**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0968**	0.257	0.257	**0.257**	**0.81**	0.2429	0.0175	53	7
036.42	Sulfur (%)	ICP, Open vessel	**0278**	0.26	0.26	**0.26**	**0.98**	0.2429	0.0175	53	7
036.43	Sulfur (%)	ICP, Microwave	**0001**	0.267	0.253	**0.26**	**0.98**	0.2429	0.0175	53	
036.04	Sulfur (%)	LECO	**0226**	0.26	0.26	**0.26**	**0.98**	0.2429	0.0175	53	7
036.43	Sulfur (%)	ICP, Microwave	**0870**	0.2557	0.2688	**0.2622**	**1.11**	0.2429	0.0175	53	
036.42	Sulfur (%)	ICP, Open vessel	**2129**	0.264	0.261	**0.2625**	**1.12**	0.2429	0.0175	53	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
036.43	Sulfur (%)	ICP, Microwave	**0169**	0.26	0.27	**0.265**	**1.27**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0682**	0.26	0.27	**0.265**	**1.27**	0.2429	0.0175	53	
036.42	Sulfur (%)	ICP, Open vessel	**0186**	0.2686	0.2662	**0.2674**	**1.40**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**0098**	0.2708	0.2679	**0.2694**	**1.52**	0.2429	0.0175	53	
036.43	Sulfur (%)	ICP, Microwave	**2532**	0.27	0.27	**0.27**	**1.55**	0.2429	0.0175	53	7
036.52	Sulfur (%)	ICP-MS, Open vessel	**0560**	0.38	0.271	**0.3255**	**4.73**	0.2429	0.0175	53	1
						Zinc (ppm)					
037.42	Zinc (ppm)	ICP, Open vessel	**0692**	62.41	60	**61.2**	**-2.72**	82.23	7.734	80	
037.44	Zinc (ppm)	ICP, Dry ash	**0066**	67.97	61.73	**64.85**	**-2.25**	82.23	7.734	80	
037.99	Zinc (ppm)	Miscellaneous	**2302**	68.74	69.49	**69.12**	**-1.70**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**2326**	70.3	69	**69.65**	**-1.63**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0366**	71	70	**70.5**	**-1.52**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0860**	71.07	71.07	**71.07**	**-1.44**	82.23	7.734	80	7
037.43	Zinc (ppm)	ICP, Microwave	**0511**	75	71	**73**	**-1.19**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0512**	68.6	78.3	**73.45**	**-1.13**	82.23	7.734	80	
037.41	Zinc (ppm)	ICP, Dry ash	**0910**	77	71	**74**	**-1.06**	82.23	7.734	80	
037.31	Zinc (ppm)	AAS, Dry ash	**2246**	74.9519	73.906	**74.43**	**-1.01**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0297**	74	75	**74.5**	**-1.00**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**2433**	72.1721	76.8965	**74.53**	**-0.99**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0045**	73.5	77	**75.25**	**-0.90**	82.23	7.734	80	
037.41	Zinc (ppm)	ICP, Dry ash	**0358**	77.47	73.15	**75.31**	**-0.89**	82.23	7.734	80	
037.44	Zinc (ppm)	ICP, Dry ash	**0098**	75.67	75.47	**75.57**	**-0.86**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0226**	75.52	75.65	**75.58**	**-0.86**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0510**	75	77	**76**	**-0.81**	82.23	7.734	80	
037.41	Zinc (ppm)	ICP, Dry ash	**0520**	77.785	74.67	**76.23**	**-0.78**	82.23	7.734	80	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
037.53	Zinc (ppm)	ICP-MS, Microwave	**0407**	80.4496	72.4315	**76.44**	**-0.75**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0918**	73.93	79.45	**76.69**	**-0.72**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0693**	81	73	**77**	**-0.68**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0870**	77.0874	77.852	**77.47**	**-0.62**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0169**	78.7	77.1	**77.9**	**-0.56**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0009**	73	83	**78**	**-0.55**	82.23	7.734	80	
037.44	Zinc (ppm)	ICP, Dry ash	**0227**	77.6	79.1	**78.35**	**-0.50**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**2129**	78.67	78.19	**78.43**	**-0.49**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0504**	73	84	**78.5**	**-0.48**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0357**	77.223	80.98	**79.1**	**-0.40**	82.23	7.734	80	
037.41	Zinc (ppm)	ICP, Dry ash	**0208**	77.29	81.13	**79.21**	**-0.39**	82.23	7.734	80	
037.41	Zinc (ppm)	ICP, Dry ash	**0407**	79.1348	79.6513	**79.39**	**-0.37**	82.23	7.734	80	
037.41	Zinc (ppm)	ICP, Dry ash	**0171**	78.2	80.6	**79.4**	**-0.37**	82.23	7.734	80	
037.99	Zinc (ppm)	Miscellaneous	**2517**	81	78	**79.5**	**-0.35**	82.23	7.734	80	
037.99	Zinc (ppm)	Miscellaneous	**0123**	78.1	81.9	**80**	**-0.29**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0505**	79.72	80.6	**80.16**	**-0.27**	82.23	7.734	80	
037.41	Zinc (ppm)	ICP, Dry ash	**0598**	80.7573	79.6972	**80.23**	**-0.26**	82.23	7.734	80	
037.41	Zinc (ppm)	ICP, Dry ash	**0226**	79.64	80.9	**80.27**	**-0.25**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0294**	82.06	78.49	**80.28**	**-0.25**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0407**	78.3558	82.4477	**80.4**	**-0.24**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0968**	80.913	80.997	**80.96**	**-0.16**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0098**	83.45	78.91	**81.18**	**-0.14**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0278**	84.4	78	**81.2**	**-0.13**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**2476**	81.38	81.21	**81.3**	**-0.12**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0263**	80.772	82.575	**81.67**	**-0.07**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0035**	84	83	**83.5**	**0.16**	82.23	7.734	80	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats			[4] Flag
								Robust Mean	Robust StDev	n used	
037.31	Zinc (ppm)	AAS, Dry ash	**0563**	83.03	84.11	**83.57**	**0.17**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0028**	90.253	76.998	**83.63**	**0.18**	82.23	7.734	80	
037.31	Zinc (ppm)	AAS, Dry ash	**0529**	84	84	**84**	**0.23**	82.23	7.734	80	7
037.99	Zinc (ppm)	Miscellaneous	**0100**	81	87	**84**	**0.23**	82.23	7.734	80	
037.52	Zinc (ppm)	ICP-MS, Open vessel	**0186**	87.21	80.8	**84**	**0.23**	82.23	7.734	80	
037.41	Zinc (ppm)	ICP, Dry ash	**0019**	83.225	86.355	**84.79**	**0.33**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0006**	85.1	84.7	**84.9**	**0.35**	82.23	7.734	80	
037.53	Zinc (ppm)	ICP-MS, Microwave	**0504**	89	81	**85**	**0.36**	82.23	7.734	80	
037.52	Zinc (ppm)	ICP-MS, Open vessel	**0560**	82.52	88.35	**85.44**	**0.41**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0675**	83.27	87.85	**85.56**	**0.43**	82.23	7.734	80	
037.31	Zinc (ppm)	AAS, Dry ash	**0001**	90.63	80.52	**85.58**	**0.43**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0035**	87	85	**86**	**0.49**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0001**	82.5	89.8	**86.15**	**0.51**	82.23	7.734	80	
037.31	Zinc (ppm)	AAS, Dry ash	**2196**	86.25	86.25	**86.25**	**0.52**	82.23	7.734	80	7
037.43	Zinc (ppm)	ICP, Microwave	**0610**	85.7	86.9	**86.3**	**0.53**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0083**	85.74	86.97	**86.36**	**0.53**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0010**	85	89	**87**	**0.62**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0682**	84.77	89.48	**87.12**	**0.63**	82.23	7.734	80	
037.32	Zinc (ppm)	AAS, Open vessel	**0038**	88.8	86.8	**87.8**	**0.72**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0870**	86.4507	91.5157	**88.98**	**0.87**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0353**	86	92	**89**	**0.88**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**2532**	91.9	87.9	**89.9**	**0.99**	82.23	7.734	80	
037.31	Zinc (ppm)	AAS, Dry ash	**2188**	91.24	89.57	**90.4**	**1.06**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0033**	86.2	95.8	**91**	**1.13**	82.23	7.734	80	
037.53	Zinc (ppm)	ICP-MS, Microwave	**0043**	92.2	90.5	**91.35**	**1.18**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0027**	93.21	90.04	**91.62**	**1.22**	82.23	7.734	80	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
037.42	Zinc (ppm)	ICP, Open vessel	**0726**	93.7	90.9	**92.3**	**1.30**	82.23	7.734	80	
037.41	Zinc (ppm)	ICP, Dry ash	**0229**	86.43	98.2	**92.32**	**1.30**	82.23	7.734	80	
037.41	Zinc (ppm)	ICP, Dry ash	**0004**	87.66	98.01	**92.84**	**1.37**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0202**	95.6	91.4	**93.5**	**1.46**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0190**	94.97	93.68	**94.32**	**1.56**	82.23	7.734	80	
037.42	Zinc (ppm)	ICP, Open vessel	**0042**	90.6	105	**97.8**	**2.01**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0345**	98.86	100.22	**99.54**	**2.24**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**2481**	103.2	98.7	**101**	**2.42**	82.23	7.734	80	
037.43	Zinc (ppm)	ICP, Microwave	**0848**	110.96	108.33	**109.6**	**3.55**	82.23	7.734	80	
037.41	Zinc (ppm)	ICP, Dry ash	**0848**	114.67	111.33	**113**	**3.98**	82.23	7.734	80	

Molybdenum (ppm)

038.99	Molybdenum (ppm)	Miscellaneous	**2517**	0	0	**0**		0.972	0.1893	24	5
038.43	Molybdenum (ppm)	ICP, Microwave	**0169**	0.3	0.31	**0.305**	**-3.52**	0.972	0.1893	24	
038.43	Molybdenum (ppm)	ICP, Microwave	**0353**	0.6368	0.5155	**0.5762**	**-2.09**	0.972	0.1893	24	
038.43	Molybdenum (ppm)	ICP, Microwave	**0297**	0.8	0.7	**0.75**	**-1.17**	0.972	0.1893	24	
038.42	Molybdenum (ppm)	ICP, Open vessel	**0366**	0.7	0.9	**0.8**	**-0.91**	0.972	0.1893	24	
038.43	Molybdenum (ppm)	ICP, Microwave	**0006**	0.83	0.9	**0.865**	**-0.57**	0.972	0.1893	24	
038.41	Molybdenum (ppm)	ICP, Dry ash	**0407**	0.8443	0.8922	**0.8682**	**-0.55**	0.972	0.1893	24	
038.42	Molybdenum (ppm)	ICP, Open vessel	**0202**	0.883	0.905	**0.894**	**-0.41**	0.972	0.1893	24	
038.43	Molybdenum (ppm)	ICP, Microwave	**0407**	0.8354	0.9569	**0.8962**	**-0.40**	0.972	0.1893	24	
038.43	Molybdenum (ppm)	ICP, Microwave	**0083**	0.977	0.83	**0.9035**	**-0.36**	0.972	0.1893	24	
038.53	Molybdenum (ppm)	ICP-MS, Microwave	**0227**	0.928	0.925	**0.9265**	**-0.24**	0.972	0.1893	24	
038.42	Molybdenum (ppm)	ICP, Open vessel	**0692**	1.18	0.68	**0.93**	**-0.22**	0.972	0.1893	24	
038.53	Molybdenum (ppm)	ICP-MS, Microwave	**0407**	0.8694	0.9968	**0.9331**	**-0.21**	0.972	0.1893	24	
038.52	Molybdenum (ppm)	ICP-MS, Open vessel	**0560**	0.96	0.94	**0.95**	**-0.12**	0.972	0.1893	24	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
038.53	Molybdenum (ppm)	ICP-MS, Microwave	**0504**	0.9	1	**0.95**	**-0.12**	0.972	0.1893	24	
038.52	Molybdenum (ppm)	ICP-MS, Open vessel	**0186**	0.923	1.04	**0.9815**	**0.05**	0.972	0.1893	24	
038.42	Molybdenum (ppm)	ICP, Open vessel	**0045**	1.04	0.93	**0.985**	**0.07**	0.972	0.1893	24	
038.53	Molybdenum (ppm)	ICP-MS, Microwave	**0918**	1.034	0.982	**1.008**	**0.19**	0.972	0.1893	24	
038.42	Molybdenum (ppm)	ICP, Open vessel	**0278**	1.14	1.05	**1.095**	**0.65**	0.972	0.1893	24	
038.53	Molybdenum (ppm)	ICP-MS, Microwave	**0033**	1.1	1.13	**1.115**	**0.75**	0.972	0.1893	24	
038.41	Molybdenum (ppm)	ICP, Dry ash	**0226**	1.15	1.13	**1.14**	**0.89**	0.972	0.1893	24	
038.53	Molybdenum (ppm)	ICP-MS, Microwave	**0010**	1.2	1.2	**1.2**	**1.20**	0.972	0.1893	24	7
038.43	Molybdenum (ppm)	ICP, Microwave	**0510**	1.2	1.3	**1.25**	**1.47**	0.972	0.1893	24	
038.43	Molybdenum (ppm)	ICP, Microwave	**2476**	1.8	0.86	**1.33**	**1.89**	0.972	0.1893	24	1
038.99	Molybdenum (ppm)	Miscellaneous	**0123**	1.4	1.4	**1.4**	**2.26**	0.972	0.1893	24	7
038.42	Molybdenum (ppm)	ICP, Open vessel	**0693**	1.7	2.1	**1.9**	**4.90**	0.972	0.1893	24	
						Barium (ppm)					
040.53	Barium (ppm)	ICP-MS, Microwave	**0407**	5.4181	6.222	**5.82**	**-0.60**	6.212	0.6568	3	
040.53	Barium (ppm)	ICP-MS, Microwave	**0918**	5.818	5.872	**5.845**	**-0.56**	6.212	0.6568	3	
040.43	Barium (ppm)	ICP, Microwave	**2481**	6.94	7	**6.97**	**1.15**	6.212	0.6568	3	
						Vanadium (ppm)					
041.53	Vanadium (ppm)	ICP-MS, Microwave	**0407**	0.4528	0.4941	**0.4734**					
						Chloride (%)					
042.00	Chloride (%)	Titrimetric	**2506**	0.25	0.27	**0.26**	**-1.41**	0.2925	0.0231	11	
042.00	Chloride (%)	Titrimetric	**0720**	0.28	0.27	**0.275**	**-0.76**	0.2925	0.0231	11	
042.00	Chloride (%)	Titrimetric	**2129**	0.275	0.277	**0.276**	**-0.71**	0.2925	0.0231	11	
042.00	Chloride (%)	Titrimetric	**0226**	0.28	0.28	**0.28**	**-0.54**	0.2925	0.0231	11	7

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
042.00	Chloride (%)	Titrimetric	**2433**	0.2849	0.2816	**0.2832**	**-0.40**	0.2925	0.0231	11	
042.99	Chloride (%)	Miscellaneous	**2302**	0.29	0.28	**0.285**	**-0.32**	0.2925	0.0231	11	
042.00	Chloride (%)	Titrimetric	**2326**	0.31	0.29	**0.3**	**0.33**	0.2925	0.0231	11	
042.99	Chloride (%)	Miscellaneous	**0297**	0.31	0.31	**0.31**	**0.76**	0.2925	0.0231	11	7
042.99	Chloride (%)	Miscellaneous	**2517**	0.309	0.312	**0.3105**	**0.78**	0.2925	0.0231	11	
042.99	Chloride (%)	Miscellaneous	**2465**	0.309	0.312	**0.3105**	**0.78**	0.2925	0.0231	11	
042.00	Chloride (%)	Titrimetric	**2525**	0.39	0.39	**0.39**	**4.23**	0.2925	0.0231	11	7
		Choline Chloride (ppm)									
101.99	Choline Chloride (ppm)	Miscellaneous	**0227**	1740	1690	**1715**					
		Niacin (ppm)									
102.01	Niacin (ppm)	Microbiological	**0227**	86.3	84.1	**85.2**					
		Pantothenic Acid (ppm)									
103.01	Pantothenic Acid (ppm)	Microbiological	**0227**	11.9	10.2	**11.05**					
		Riboflavin (ppm)									
104.00	Riboflavin (ppm)	Fluorometric	**0227**	8.15	8.41	**8.28**					
		Thiamine (ppm)									
105.01	Thiamine (ppm)	Fluorometer	**0227**	5.12	5.36	**5.24**					
		Vitamin A (KU/kg)									
106.01	Vitamin A (KU/kg)	UV	**0098**	4.67	2.89	**3.78**	**-1.01**	5.768	1.972	10	
106.02	Vitamin A (KU/kg)	LC	**0512**	4.42	3.774	**4.097**	**-0.85**	5.768	1.972	10	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
106.99	Vitamin A (KU/kg)	Miscellaneous	**2302**	4.14	4.54	**4.34**	**-0.72**	5.768	1.972	10	
106.02	Vitamin A (KU/kg)	LC	**0870**	2.6533	7.4633	**5.058**	**-0.36**	5.768	1.972	10	
106.02	Vitamin A (KU/kg)	LC	**0610**	5.5	5.1	**5.3**	**-0.24**	5.768	1.972	10	
106.02	Vitamin A (KU/kg)	LC	**0563**	6.263	5.067	**5.665**	**-0.05**	5.768	1.972	10	
106.02	Vitamin A (KU/kg)	LC	**0010**	5.534	5.997	**5.766**	**0.00**	5.768	1.972	10	
106.00	Vitamin A (KU/kg)	Color	**0227**	6.04	6.4	**6.22**	**0.23**	5.768	1.972	10	
106.03	Vitamin A (KU/kg)	ANKOM-LC	**0581**	6.31	12.23	**9.27**	**1.78**	5.768	1.972	10	
106.02	Vitamin A (KU/kg)	LC	**0038**	12.4	11.2	**11.8**	**3.06**	5.768	1.972	10	
						Vitamin B12 (ppb)					
107.99	Vitamin B12 (ppb)	Miscellaneous	**0227**	37	34.3	**35.65**					
107.00	Vitamin B12 (ppb)	Microbiological	**0227**	48.2	49.1	**48.65**					
						Vitamin D3 (KU/kg)					
108.99	Vitamin D3 (KU/kg)	Miscellaneous	**2302**	0	0	**0**		2.176	0.9645	5	5
108.02	Vitamin D3 (KU/kg)	LC	**0610**	1	1	**1**	**-1.22**	2.176	0.9645	5	7
108.99	Vitamin D3 (KU/kg)	Miscellaneous	**0010**	1.687	2.185	**1.936**	**-0.25**	2.176	0.9645	5	
108.02	Vitamin D3 (KU/kg)	LC	**0208**	2.06	2	**2.03**	**-0.15**	2.176	0.9645	5	
108.02	Vitamin D3 (KU/kg)	LC	**0227**	2.23	2.24	**2.235**	**0.06**	2.176	0.9645	5	
108.02	Vitamin D3 (KU/kg)	LC	**0870**	3.368	3.988	**3.678**	**1.56**	2.176	0.9645	5	
						Vitamin E (IU/kg)					
109.02	Vitamin E (IU/kg)	LC	**0098**	2.32	<40	**<40**		50.63	9.657	9	6
109.02	Vitamin E (IU/kg)	LC	**0038**	41.2	28.9	**35.05**	**-1.61**	50.63	9.657	9	
109.99	Vitamin E (IU/kg)	Miscellaneous	**0171**	38	41	**39.5**	**-1.15**	50.63	9.657	9	
109.02	Vitamin E (IU/kg)	LC	**0208**	48.6	47.6	**48.1**	**-0.26**	50.63	9.657	9	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
109.02	Vitamin E (IU/kg)	LC	**0227**	51.6	52.2	**51.9**	**0.13**	50.63	9.657	9	
109.03	Vitamin E (IU/kg)	ANKOM-LC	**0581**	50.5	54.1	**52.3**	**0.17**	50.63	9.657	9	
109.02	Vitamin E (IU/kg)	LC	**0563**	53.4511	51.9252	**52.69**	**0.21**	50.63	9.657	9	
109.02	Vitamin E (IU/kg)	LC	**0610**	49.9	55.5	**52.7**	**0.21**	50.63	9.657	9	
109.99	Vitamin E (IU/kg)	Miscellaneous	**2302**	57	62	**59.5**	**0.92**	50.63	9.657	9	
109.02	Vitamin E (IU/kg)	LC	**0870**	61.897	63.7224	**62.81**	**1.26**	50.63	9.657	9	
			Pyridoxine (ppm)								
112.01	Pyridoxine (ppm)	LC	**0227**	137	138	**137.5**					
			Folic Acid (ppm)								
113.01	Folic Acid (ppm)	Micro	**0227**	0.874	0.931	**0.9025**					
			Biotin (ppm)								
114.99	Biotin (ppm)	Miscellaneous	**0227**	0.168	0.201	**0.1845**					
			Non Protein N (NPN) (%)								
115.00	Non Protein N (NPN) (%)	Urea + Am, Urease method	**0407**	0.016	0.16	**0.088**					
			Alanine (%)								
120.05	Alanine (%)	Pre-col AQC Der	**2188**	0.8973	0.8946	**0.896**	**-1.68**	0.958	0.0369	16	
120.99	Alanine (%)	Miscellaneous	**2146**	0.91	0.91	**0.91**	**-1.30**	0.958	0.0369	16	7
120.05	Alanine (%)	Pre-col AQC Der	**2246**	0.9087	0.9202	**0.9144**	**-1.18**	0.958	0.0369	16	
120.99	Alanine (%)	Miscellaneous	**2488**	0.89	0.94	**0.915**	**-1.17**	0.958	0.0369	16	
120.00	Alanine (%)	Post-col Ninhydrin Der	**0353**	0.96	0.94	**0.95**	**-0.22**	0.958	0.0369	16	
120.00	Alanine (%)	Post-col Ninhydrin Der	**0226**	0.9579	0.9446	**0.9512**	**-0.18**	0.958	0.0369	16	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
120.00	Alanine (%)	Post-col Ninhydrin Der	**0968**	0.96	0.95	**0.955**	**-0.08**	0.958	0.0369	16	
120.02	Alanine (%)	Post-col OPA Der	**0098**	0.962	0.958	**0.96**	**0.05**	0.958	0.0369	16	
120.05	Alanine (%)	Pre-col AQC Der	**2196**	0.963	0.963	**0.963**	**0.14**	0.958	0.0369	16	7
120.05	Alanine (%)	Pre-col AQC Der	**0610**	0.96	0.97	**0.965**	**0.19**	0.958	0.0369	16	
120.00	Alanine (%)	Post-col Ninhydrin Der	**0504**	0.99	0.97	**0.98**	**0.60**	0.958	0.0369	16	
120.00	Alanine (%)	Post-col Ninhydrin Der	**0571**	0.981	0.986	**0.9835**	**0.69**	0.958	0.0369	16	
120.05	Alanine (%)	Pre-col AQC Der	**0870**	0.983	0.99	**0.9865**	**0.77**	0.958	0.0369	16	
120.00	Alanine (%)	Post-col Ninhydrin Der	**0227**	0.99	1	**0.995**	**1.00**	0.958	0.0369	16	
120.00	Alanine (%)	Post-col Ninhydrin Der	**0675**	0.995	0.996	**0.9955**	**1.02**	0.958	0.0369	16	
120.05	Alanine (%)	Pre-col AQC Der	**0407**	0.989	1.013	**1.001**	**1.17**	0.958	0.0369	16	
120.05	Alanine (%)	Pre-col AQC Der	**0682**	1.008	1.077	**1.042**	**2.29**	0.958	0.0369	16	1

Arginine (%)

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
121.99	Arginine (%)	Miscellaneous	**2488**	0.91	1	**0.955**	**-1.44**	1.036	0.0561	17	
121.05	Arginine (%)	Pre-col AQC Der	**0870**	0.987	0.978	**0.9825**	**-0.95**	1.036	0.0561	17	
121.05	Arginine (%)	Pre-col AQC Der	**2188**	1.0015	0.9732	**0.9874**	**-0.86**	1.036	0.0561	17	
121.00	Arginine (%)	Post-col Ninhydrin Der	**0968**	1	0.99	**0.995**	**-0.72**	1.036	0.0561	17	
121.05	Arginine (%)	Pre-col AQC Der	**2246**	1.0447	0.9485	**0.9966**	**-0.70**	1.036	0.0561	17	
121.02	Arginine (%)	Post-col OPA Der	**0098**	0.992	1.017	**1.004**	**-0.56**	1.036	0.0561	17	
121.99	Arginine (%)	Miscellaneous	**2146**	1	1.03	**1.015**	**-0.37**	1.036	0.0561	17	
121.00	Arginine (%)	Post-col Ninhydrin Der	**0504**	1.03	1.01	**1.02**	**-0.28**	1.036	0.0561	17	
121.00	Arginine (%)	Post-col Ninhydrin Der	**0227**	1.03	1.03	**1.03**	**-0.10**	1.036	0.0561	17	7
121.00	Arginine (%)	Post-col Ninhydrin Der	**0353**	1.02	1.05	**1.035**	**-0.01**	1.036	0.0561	17	
121.00	Arginine (%)	Post-col Ninhydrin Der	**0226**	1.0577	1.0326	**1.045**	**0.17**	1.036	0.0561	17	
121.05	Arginine (%)	Pre-col AQC Der	**0610**	1.05	1.05	**1.05**	**0.26**	1.036	0.0561	17	7
121.00	Arginine (%)	Post-col Ninhydrin Der	**0675**	1.07	1.063	**1.066**	**0.55**	1.036	0.0561	17	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
121.00	Arginine (%)	Post-col Ninhydrin Der	**0571**	1.066	1.076	**1.071**	**0.63**	1.036	0.0561	17	
121.05	Arginine (%)	Pre-col AQC Der	**0407**	1.058	1.168	**1.113**	**1.38**	1.036	0.0561	17	
121.05	Arginine (%)	Pre-col AQC Der	**0682**	1.121	1.143	**1.132**	**1.72**	1.036	0.0561	17	
121.05	Arginine (%)	Pre-col AQC Der	**2196**	1.132	1.132	**1.132**	**1.72**	1.036	0.0561	17	7
					Aspartic (%)						
122.05	Aspartic (%)	Pre-col AQC Der	**2188**	1.4043	1.4034	**1.404**	**-1.77**	1.622	0.1231	17	
122.99	Aspartic (%)	Miscellaneous	**2146**	1.46	1.46	**1.46**	**-1.32**	1.622	0.1231	17	7
122.05	Aspartic (%)	Pre-col AQC Der	**2246**	1.449	1.5032	**1.476**	**-1.19**	1.622	0.1231	17	
122.00	Aspartic (%)	Post-col Ninhydrin Der	**0968**	1.56	1.55	**1.555**	**-0.55**	1.622	0.1231	17	
122.00	Aspartic (%)	Post-col Ninhydrin Der	**0226**	1.5717	1.5695	**1.571**	**-0.42**	1.622	0.1231	17	
122.05	Aspartic (%)	Pre-col AQC Der	**0610**	1.58	1.58	**1.58**	**-0.34**	1.622	0.1231	17	7
122.00	Aspartic (%)	Post-col Ninhydrin Der	**0353**	1.58	1.59	**1.585**	**-0.30**	1.622	0.1231	17	
122.00	Aspartic (%)	Post-col Ninhydrin Der	**0504**	1.62	1.59	**1.605**	**-0.14**	1.622	0.1231	17	
122.00	Aspartic (%)	Post-col Ninhydrin Der	**0571**	1.614	1.643	**1.628**	**0.05**	1.622	0.1231	17	
122.00	Aspartic (%)	Post-col Ninhydrin Der	**0675**	1.63	1.636	**1.633**	**0.09**	1.622	0.1231	17	
122.05	Aspartic (%)	Pre-col AQC Der	**0407**	1.603	1.669	**1.636**	**0.11**	1.622	0.1231	17	
122.00	Aspartic (%)	Post-col Ninhydrin Der	**0227**	1.67	1.63	**1.65**	**0.23**	1.622	0.1231	17	
122.05	Aspartic (%)	Pre-col AQC Der	**2196**	1.706	1.706	**1.706**	**0.68**	1.622	0.1231	17	7
122.02	Aspartic (%)	Post-col OPA Der	**0098**	1.699	1.722	**1.71**	**0.72**	1.622	0.1231	17	
122.05	Aspartic (%)	Pre-col AQC Der	**0870**	1.677	1.786	**1.732**	**0.89**	1.622	0.1231	17	
122.99	Aspartic (%)	Miscellaneous	**2488**	1.85	1.81	**1.83**	**1.69**	1.622	0.1231	17	
122.05	Aspartic (%)	Pre-col AQC Der	**0682**	1.852	1.924	**1.888**	**2.16**	1.622	0.1231	17	
					Cysteine/Cystine (%)						
124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	**0870**	0.244	0.248	**0.246**	**-1.55**	0.298	0.0335	16	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	**2246**	0.2668	0.2549	**0.2608**	**-1.11**	0.298	0.0335	16	
124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	**2188**	0.2627	0.2658	**0.2642**	**-1.01**	0.298	0.0335	16	
124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	**2196**	0.269	0.269	**0.269**	**-0.87**	0.298	0.0335	16	7
124.02	Cysteine/Cystine (%)	PAO Post-col OPA Der	**0227**	0.29	0.27	**0.28**	**-0.54**	0.298	0.0335	16	
124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	**0407**	0.2792	0.2871	**0.2832**	**-0.44**	0.298	0.0335	16	
124.99	Cysteine/Cystine (%)	Miscellaneous	**2146**	0.29	0.29	**0.29**	**-0.24**	0.298	0.0335	16	7
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	**0353**	0.3	0.29	**0.295**	**-0.09**	0.298	0.0335	16	
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	**0968**	0.3	0.3	**0.3**	**0.06**	0.298	0.0335	16	7
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	**0675**	0.304	0.31	**0.307**	**0.27**	0.298	0.0335	16	
124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	**0682**	0.297	0.323	**0.31**	**0.36**	0.298	0.0335	16	
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	**0571**	0.32	0.32	**0.32**	**0.66**	0.298	0.0335	16	7
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	**0226**	0.3279	0.3211	**0.3245**	**0.79**	0.298	0.0335	16	
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	**0504**	0.33	0.33	**0.33**	**0.96**	0.298	0.0335	16	7
124.02	Cysteine/Cystine (%)	PAO Post-col OPA Der	**0098**	0.32	0.356	**0.338**	**1.20**	0.298	0.0335	16	
124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	**0610**	0.36	0.35	**0.355**	**1.70**	0.298	0.0335	16	

Glutamic (%)

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
125.05	Glutamic (%)	Pre-col AQC Der	**2188**	2.9322	2.9911	**2.962**	**-1.73**	3.206	0.1415	16	
125.05	Glutamic (%)	Pre-col AQC Der	**0407**	2.968	3.031	**3**	**-1.46**	3.206	0.1415	16	
125.00	Glutamic (%)	Post-col Ninhydrin Der	**0968**	3.07	3.07	**3.07**	**-0.96**	3.206	0.1415	16	7
125.05	Glutamic (%)	Pre-col AQC Der	**2196**	3.114	3.114	**3.114**	**-0.65**	3.206	0.1415	16	7
125.05	Glutamic (%)	Pre-col AQC Der	**0610**	3.15	3.17	**3.16**	**-0.33**	3.206	0.1415	16	
125.99	Glutamic (%)	Miscellaneous	**2146**	3.14	3.18	**3.16**	**-0.33**	3.206	0.1415	16	
125.05	Glutamic (%)	Pre-col AQC Der	**2246**	3.1481	3.1912	**3.17**	**-0.26**	3.206	0.1415	16	
125.00	Glutamic (%)	Post-col Ninhydrin Der	**0571**	3.183	3.205	**3.194**	**-0.09**	3.206	0.1415	16	
125.99	Glutamic (%)	Miscellaneous	**2488**	3.11	3.31	**3.21**	**0.03**	3.206	0.1415	16	1

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
125.00	Glutamic (%)	Post-col Ninhydrin Der	**0675**	3.254	3.21	**3.232**	**0.18**	3.206	0.1415	16	
125.05	Glutamic (%)	Pre-col AQC Der	**0870**	3.222	3.278	**3.25**	**0.31**	3.206	0.1415	16	
125.00	Glutamic (%)	Post-col Ninhydrin Der	**0504**	3.27	3.24	**3.255**	**0.34**	3.206	0.1415	16	
125.00	Glutamic (%)	Post-col Ninhydrin Der	**0226**	3.278	3.2739	**3.276**	**0.49**	3.206	0.1415	16	
125.00	Glutamic (%)	Post-col Ninhydrin Der	**0227**	3.29	3.28	**3.285**	**0.56**	3.206	0.1415	16	
125.00	Glutamic (%)	Post-col Ninhydrin Der	**0353**	3.33	3.31	**3.32**	**0.80**	3.206	0.1415	16	
125.02	Glutamic (%)	Post-col OPA Der	**0098**	3.416	3.391	**3.404**	**1.39**	3.206	0.1415	16	
125.05	Glutamic (%)	Pre-col AQC Der	**0682**	3.544	3.687	**3.616**	**2.89**	3.206	0.1415	16	

Glycine (%)

126.99	Glycine (%)	Miscellaneous	**2488**	0.64	0.65	**0.645**	**-2.78**	0.7795	0.0483	17	
126.99	Glycine (%)	Miscellaneous	**2146**	0.72	0.73	**0.725**	**-1.13**	0.7795	0.0483	17	
126.05	Glycine (%)	Pre-col AQC Der	**0870**	0.754	0.732	**0.743**	**-0.76**	0.7795	0.0483	17	
126.00	Glycine (%)	Post-col Ninhydrin Der	**0353**	0.75	0.75	**0.75**	**-0.61**	0.7795	0.0483	17	7
126.05	Glycine (%)	Pre-col AQC Der	**2188**	0.7568	0.7447	**0.7508**	**-0.60**	0.7795	0.0483	17	
126.00	Glycine (%)	Post-col Ninhydrin Der	**0226**	0.7583	0.7471	**0.7527**	**-0.55**	0.7795	0.0483	17	
126.00	Glycine (%)	Post-col Ninhydrin Der	**0968**	0.76	0.75	**0.755**	**-0.51**	0.7795	0.0483	17	
126.05	Glycine (%)	Pre-col AQC Der	**0610**	0.76	0.77	**0.765**	**-0.30**	0.7795	0.0483	17	
126.05	Glycine (%)	Pre-col AQC Der	**2246**	0.7941	0.758	**0.776**	**-0.07**	0.7795	0.0483	17	
126.00	Glycine (%)	Post-col Ninhydrin Der	**0571**	0.782	0.789	**0.7855**	**0.12**	0.7795	0.0483	17	
126.00	Glycine (%)	Post-col Ninhydrin Der	**0504**	0.81	0.77	**0.79**	**0.22**	0.7795	0.0483	17	
126.00	Glycine (%)	Post-col Ninhydrin Der	**0675**	0.798	0.79	**0.794**	**0.30**	0.7795	0.0483	17	
126.00	Glycine (%)	Post-col Ninhydrin Der	**0227**	0.8	0.8	**0.8**	**0.42**	0.7795	0.0483	17	7
126.02	Glycine (%)	Post-col OPA Der	**0098**	0.818	0.804	**0.811**	**0.65**	0.7795	0.0483	17	
126.05	Glycine (%)	Pre-col AQC Der	**0682**	0.811	0.874	**0.8425**	**1.30**	0.7795	0.0483	17	
126.05	Glycine (%)	Pre-col AQC Der	**2196**	0.866	0.866	**0.866**	**1.79**	0.7795	0.0483	17	7

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
126.05	Glycine (%)	Pre-col AQC Der	**0407**	0.998	1.079	**1.038**	**5.36**	0.7795	0.0483	17	
				Histidine (%)							
127.05	Histidine (%)	Pre-col AQC Der	**2246**	0.3696	0.3147	**0.3422**	**-5.18**	0.4635	0.0234	16	1
127.00	Histidine (%)	Post-col Ninhydrin Der	**0226**	0.4226	0.409	**0.4158**	**-2.04**	0.4635	0.0234	16	
127.05	Histidine (%)	Pre-col AQC Der	**2188**	0.4435	0.4315	**0.4375**	**-1.11**	0.4635	0.0234	16	
127.00	Histidine (%)	Post-col Ninhydrin Der	**0353**	0.44	0.45	**0.445**	**-0.79**	0.4635	0.0234	16	
127.99	Histidine (%)	Miscellaneous	**2488**	0.43	0.46	**0.445**	**-0.79**	0.4635	0.0234	16	
127.05	Histidine (%)	Pre-col AQC Der	**0870**	0.439	0.458	**0.4485**	**-0.64**	0.4635	0.0234	16	
127.00	Histidine (%)	Post-col Ninhydrin Der	**0968**	0.45	0.45	**0.45**	**-0.57**	0.4635	0.0234	16	7
127.05	Histidine (%)	Pre-col AQC Der	**0407**	0.447	0.461	**0.454**	**-0.40**	0.4635	0.0234	16	
127.05	Histidine (%)	Pre-col AQC Der	**0610**	0.46	0.46	**0.46**	**-0.15**	0.4635	0.0234	16	7
127.02	Histidine (%)	Post-col OPA Der	**0098**	0.461	0.464	**0.4625**	**-0.04**	0.4635	0.0234	16	
127.00	Histidine (%)	Post-col Ninhydrin Der	**0571**	0.463	0.471	**0.467**	**0.15**	0.4635	0.0234	16	
127.00	Histidine (%)	Post-col Ninhydrin Der	**0504**	0.48	0.48	**0.48**	**0.71**	0.4635	0.0234	16	7
127.05	Histidine (%)	Pre-col AQC Der	**2196**	0.482	0.482	**0.482**	**0.79**	0.4635	0.0234	16	7
127.00	Histidine (%)	Post-col Ninhydrin Der	**0675**	0.488	0.481	**0.4845**	**0.90**	0.4635	0.0234	16	
127.00	Histidine (%)	Post-col Ninhydrin Der	**0227**	0.49	0.48	**0.485**	**0.92**	0.4635	0.0234	16	
127.99	Histidine (%)	Miscellaneous	**2146**	0.49	0.49	**0.49**	**1.13**	0.4635	0.0234	16	7
127.05	Histidine (%)	Pre-col AQC Der	**0682**	0.486	0.506	**0.496**	**1.39**	0.4635	0.0234	16	
				Isoleucine (%)							
128.00	Isoleucine (%)	Post-col Ninhydrin Der	**0353**	0.61	0.57	**0.59**	**-3.09**	0.6912	0.0328	17	
128.99	Isoleucine (%)	Miscellaneous	**2146**	0.65	0.66	**0.655**	**-1.10**	0.6912	0.0328	17	
128.05	Isoleucine (%)	Pre-col AQC Der	**0407**	0.629	0.688	**0.6585**	**-1.00**	0.6912	0.0328	17	
128.99	Isoleucine (%)	Miscellaneous	**2488**	0.66	0.67	**0.665**	**-0.80**	0.6912	0.0328	17	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
128.00	Isoleucine (%)	Post-col Ninhydrin Der	**0968**	0.67	0.67	**0.67**	**-0.65**	0.6912	0.0328	17	7
128.05	Isoleucine (%)	Pre-col AQC Der	**2188**	0.6899	0.66	**0.675**	**-0.50**	0.6912	0.0328	17	
128.00	Isoleucine (%)	Post-col Ninhydrin Der	**0226**	0.7014	0.6546	**0.678**	**-0.40**	0.6912	0.0328	17	
128.05	Isoleucine (%)	Pre-col AQC Der	**0870**	0.691	0.68	**0.6855**	**-0.18**	0.6912	0.0328	17	
128.05	Isoleucine (%)	Pre-col AQC Der	**2246**	0.6902	0.6874	**0.6888**	**-0.07**	0.6912	0.0328	17	
128.05	Isoleucine (%)	Pre-col AQC Der	**0610**	0.7	0.7	**0.7**	**0.27**	0.6912	0.0328	17	7
128.02	Isoleucine (%)	Post-col OPA Der	**0098**	0.697	0.706	**0.7015**	**0.31**	0.6912	0.0328	17	
128.05	Isoleucine (%)	Pre-col AQC Der	**2196**	0.707	0.707	**0.707**	**0.48**	0.6912	0.0328	17	7
128.00	Isoleucine (%)	Post-col Ninhydrin Der	**0571**	0.708	0.715	**0.7115**	**0.62**	0.6912	0.0328	17	
128.00	Isoleucine (%)	Post-col Ninhydrin Der	**0675**	0.715	0.71	**0.7125**	**0.65**	0.6912	0.0328	17	
128.00	Isoleucine (%)	Post-col Ninhydrin Der	**0227**	0.73	0.71	**0.72**	**0.88**	0.6912	0.0328	17	
128.05	Isoleucine (%)	Pre-col AQC Der	**0682**	0.713	0.777	**0.745**	**1.64**	0.6912	0.0328	17	
128.00	Isoleucine (%)	Post-col Ninhydrin Der	**0504**	0.76	0.75	**0.755**	**1.94**	0.6912	0.0328	17	

Leucine (%)

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
129.00	Leucine (%)	Post-col Ninhydrin Der	**0353**	1.43	1.46	**1.445**	**-1.33**	1.519	0.0558	17	
129.05	Leucine (%)	Pre-col AQC Der	**2196**	1.449	1.449	**1.449**	**-1.26**	1.519	0.0558	17	7
129.00	Leucine (%)	Post-col Ninhydrin Der	**0968**	1.47	1.47	**1.47**	**-0.89**	1.519	0.0558	17	7
129.02	Leucine (%)	Post-col OPA Der	**0098**	1.477	1.478	**1.478**	**-0.75**	1.519	0.0558	17	
129.00	Leucine (%)	Post-col Ninhydrin Der	**0226**	1.5072	1.4605	**1.484**	**-0.64**	1.519	0.0558	17	
129.05	Leucine (%)	Pre-col AQC Der	**0407**	1.452	1.543	**1.498**	**-0.39**	1.519	0.0558	17	
129.05	Leucine (%)	Pre-col AQC Der	**0870**	1.504	1.493	**1.498**	**-0.38**	1.519	0.0558	17	
129.99	Leucine (%)	Miscellaneous	**2146**	1.5	1.5	**1.5**	**-0.35**	1.519	0.0558	17	7
129.05	Leucine (%)	Pre-col AQC Der	**0610**	1.51	1.51	**1.51**	**-0.17**	1.519	0.0558	17	7
129.05	Leucine (%)	Pre-col AQC Der	**2246**	1.5189	1.5256	**1.522**	**0.05**	1.519	0.0558	17	
129.00	Leucine (%)	Post-col Ninhydrin Der	**0571**	1.525	1.537	**1.531**	**0.21**	1.519	0.0558	17	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
129.00	Leucine (%)	Post-col Ninhydrin Der	**0504**	1.55	1.53	**1.54**	**0.37**	1.519	0.0558	17	
129.00	Leucine (%)	Post-col Ninhydrin Der	**0675**	1.559	1.563	**1.561**	**0.74**	1.519	0.0558	17	
129.00	Leucine (%)	Post-col Ninhydrin Der	**0227**	1.57	1.56	**1.565**	**0.81**	1.519	0.0558	17	
129.05	Leucine (%)	Pre-col AQC Der	**2188**	1.6012	1.5475	**1.574**	**0.98**	1.519	0.0558	17	
129.99	Leucine (%)	Miscellaneous	**2488**	1.65	1.61	**1.63**	**1.98**	1.519	0.0558	17	
129.05	Leucine (%)	Pre-col AQC Der	**0682**	1.621	1.668	**1.644**	**2.24**	1.519	0.0558	17	
					L-Lysine (%)						
130.05	L-Lysine (%)	Pre-col AQC Der	**2246**	0.6901	0.7748	**0.7324**	**-2.10**	0.8396	0.0511	20	
130.05	L-Lysine (%)	Pre-col AQC Der	**0027**	0.691	0.802	**0.7465**	**-1.82**	0.8396	0.0511	20	1
130.05	L-Lysine (%)	Pre-col AQC Der	**2188**	0.776	0.7556	**0.7658**	**-1.44**	0.8396	0.0511	20	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	**0226**	0.7859	0.775	**0.7804**	**-1.16**	0.8396	0.0511	20	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	**0353**	0.81	0.8	**0.805**	**-0.68**	0.8396	0.0511	20	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	**0968**	0.8	0.81	**0.805**	**-0.68**	0.8396	0.0511	20	
130.05	L-Lysine (%)	Pre-col AQC Der	**0610**	0.81	0.81	**0.81**	**-0.58**	0.8396	0.0511	20	7
130.00	L-Lysine (%)	Post-col Ninhydrin Der	**0848**	0.82	0.82	**0.82**	**-0.38**	0.8396	0.0511	20	7
130.99	L-Lysine (%)	Miscellaneous	**2488**	0.81	0.84	**0.825**	**-0.29**	0.8396	0.0511	20	
130.05	L-Lysine (%)	Pre-col AQC Der	**2196**	0.828	0.828	**0.828**	**-0.23**	0.8396	0.0511	20	7
130.00	L-Lysine (%)	Post-col Ninhydrin Der	**0512**	0.8393	0.8214	**0.8304**	**-0.18**	0.8396	0.0511	20	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	**2322**	0.8341	0.8401	**0.8371**	**-0.05**	0.8396	0.0511	20	
130.05	L-Lysine (%)	Pre-col AQC Der	**0870**	0.85	0.853	**0.8515**	**0.23**	0.8396	0.0511	20	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	**0571**	0.847	0.857	**0.852**	**0.24**	0.8396	0.0511	20	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	**0227**	0.87	0.85	**0.86**	**0.40**	0.8396	0.0511	20	
130.05	L-Lysine (%)	Pre-col AQC Der	**0682**	0.86	0.872	**0.866**	**0.52**	0.8396	0.0511	20	
130.02	L-Lysine (%)	Post-col OPA Der	**0098**	0.881	0.884	**0.8825**	**0.84**	0.8396	0.0511	20	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	**0675**	0.888	0.88	**0.884**	**0.87**	0.8396	0.0511	20	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
130.99	L-Lysine (%)	Miscellaneous	**2146**	0.9	0.9	**0.9**	**1.18**	0.8396	0.0511	20	7
130.00	L-Lysine (%)	Post-col Ninhydrin Der	**0504**	0.92	0.9	**0.91**	**1.38**	0.8396	0.0511	20	
130.05	L-Lysine (%)	Pre-col AQC Der	**0407**	0.912	0.925	**0.9185**	**1.54**	0.8396	0.0511	20	
						Methionine (%)					
131.05	Methionine (%)	PAO Pre-col AQC Der	**2246**	0.2339	0.2259	**0.2299**	**-3.77**	0.3046	0.0198	20	
131.99	Methionine (%)	Miscellaneous	**2146**	0.27	0.28	**0.275**	**-1.49**	0.3046	0.0198	20	
131.05	Methionine (%)	PAO Pre-col AQC Der	**0407**	0.275	0.2824	**0.2787**	**-1.31**	0.3046	0.0198	20	
131.05	Methionine (%)	PAO Pre-col AQC Der	**0610**	0.28	0.29	**0.285**	**-0.99**	0.3046	0.0198	20	
131.05	Methionine (%)	PAO Pre-col AQC Der	**2196**	0.289	0.289	**0.289**	**-0.79**	0.3046	0.0198	20	7
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	**0226**	0.2946	0.2954	**0.295**	**-0.48**	0.3046	0.0198	20	
131.05	Methionine (%)	PAO Pre-col AQC Der	**0682**	0.279	0.315	**0.297**	**-0.38**	0.3046	0.0198	20	
131.05	Methionine (%)	PAO Pre-col AQC Der	**0027**	0.343	0.254	**0.2985**	**-0.31**	0.3046	0.0198	20	1
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	**0512**	0.2859	0.313	**0.2994**	**-0.26**	0.3046	0.0198	20	
131.02	Methionine (%)	PAO Post-col OPA Der	**0098**	0.306	0.306	**0.306**	**0.07**	0.3046	0.0198	20	7
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	**0675**	0.309	0.31	**0.3095**	**0.25**	0.3046	0.0198	20	
131.05	Methionine (%)	PAO Pre-col AQC Der	**2188**	0.3035	0.3163	**0.3099**	**0.27**	0.3046	0.0198	20	
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	**0504**	0.31	0.31	**0.31**	**0.27**	0.3046	0.0198	20	7
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	**0353**	0.3	0.32	**0.31**	**0.27**	0.3046	0.0198	20	
131.05	Methionine (%)	PAO Pre-col AQC Der	**0870**	0.31	0.318	**0.314**	**0.47**	0.3046	0.0198	20	
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	**0848**	0.32	0.31	**0.315**	**0.52**	0.3046	0.0198	20	
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	**2322**	0.3104	0.3232	**0.3168**	**0.62**	0.3046	0.0198	20	
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	**0571**	0.315	0.32	**0.3175**	**0.65**	0.3046	0.0198	20	
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	**0968**	0.33	0.32	**0.325**	**1.03**	0.3046	0.0198	20	
131.02	Methionine (%)	PAO Post-col OPA Der	**0227**	0.34	0.32	**0.33**	**1.28**	0.3046	0.0198	20	
131.99	Methionine (%)	Miscellaneous	**2488**	0.32	0.35	**0.335**	**1.53**	0.3046	0.0198	20	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
				Phenylalanine (%)							
132.99	Phenylalanine (%)	Miscellaneous	**2488**	0.74	0.78	**0.76**	**-1.66**	0.8194	0.0358	16	
132.05	Phenylalanine (%)	Pre-col AQC Der	**2196**	0.78	0.78	**0.78**	**-1.10**	0.8194	0.0358	16	7
132.05	Phenylalanine (%)	Pre-col AQC Der	**0870**	0.79	0.774	**0.782**	**-1.04**	0.8194	0.0358	16	
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	**0968**	0.8	0.78	**0.79**	**-0.82**	0.8194	0.0358	16	
132.05	Phenylalanine (%)	Pre-col AQC Der	**2188**	0.815	0.7934	**0.8042**	**-0.42**	0.8194	0.0358	16	
132.05	Phenylalanine (%)	Pre-col AQC Der	**0407**	0.802	0.818	**0.81**	**-0.26**	0.8194	0.0358	16	
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	**0226**	0.82	0.8025	**0.8112**	**-0.23**	0.8194	0.0358	16	
132.05	Phenylalanine (%)	Pre-col AQC Der	**0610**	0.82	0.81	**0.815**	**-0.12**	0.8194	0.0358	16	
132.99	Phenylalanine (%)	Miscellaneous	**2146**	0.82	0.82	**0.82**	**0.02**	0.8194	0.0358	16	7
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	**0571**	0.815	0.826	**0.8205**	**0.03**	0.8194	0.0358	16	
132.02	Phenylalanine (%)	Post-col OPA Der	**0098**	0.82	0.824	**0.822**	**0.07**	0.8194	0.0358	16	
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	**0227**	0.86	0.83	**0.845**	**0.72**	0.8194	0.0358	16	
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	**0504**	0.86	0.85	**0.855**	**1.00**	0.8194	0.0358	16	
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	**0675**	0.863	0.85	**0.8565**	**1.04**	0.8194	0.0358	16	
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	**0353**	0.85	0.87	**0.86**	**1.13**	0.8194	0.0358	16	
132.05	Phenylalanine (%)	Pre-col AQC Der	**2246**	0.9351	0.8228	**0.879**	**1.66**	0.8194	0.0358	16	1
132.05	Phenylalanine (%)	Pre-col AQC Der	**0682**	0.882	0.916	**0.899**	**2.22**	0.8194	0.0358	16	
				Proline (%)							
133.99	Proline (%)	Miscellaneous	**2146**	1.07	1.07	**1.07**	**-2.25**	1.156	0.038	16	7
133.00	Proline (%)	Post-col Ninhydrin Der	**0675**	1.068	1.08	**1.074**	**-2.15**	1.156	0.038	16	
133.05	Proline (%)	Pre-col AQC Der	**2246**	1.1187	1.1277	**1.123**	**-0.85**	1.156	0.038	16	
133.05	Proline (%)	Pre-col AQC Der	**0870**	1.135	1.134	**1.134**	**-0.56**	1.156	0.038	16	
133.00	Proline (%)	Post-col Ninhydrin Der	**0968**	1.14	1.13	**1.135**	**-0.54**	1.156	0.038	16	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
133.00	Proline (%)	Post-col Ninhydrin Der	**0504**	1.15	1.13	**1.14**	**-0.41**	1.156	0.038	16	
133.05	Proline (%)	Pre-col AQC Der	**0610**	1.15	1.15	**1.15**	**-0.15**	1.156	0.038	16	7
133.00	Proline (%)	Post-col Ninhydrin Der	**0353**	1.15	1.17	**1.16**	**0.11**	1.156	0.038	16	
133.05	Proline (%)	Pre-col AQC Der	**2188**	1.1608	1.162	**1.161**	**0.15**	1.156	0.038	16	
133.00	Proline (%)	Post-col Ninhydrin Der	**0226**	1.1678	1.1557	**1.162**	**0.16**	1.156	0.038	16	
133.00	Proline (%)	Post-col Ninhydrin Der	**0571**	1.16	1.17	**1.165**	**0.24**	1.156	0.038	16	
133.00	Proline (%)	Post-col Ninhydrin Der	**0227**	1.2	1.15	**1.175**	**0.51**	1.156	0.038	16	
133.05	Proline (%)	Pre-col AQC Der	**0407**	1.175	1.181	**1.178**	**0.59**	1.156	0.038	16	
133.99	Proline (%)	Miscellaneous	**2488**	1.17	1.21	**1.19**	**0.90**	1.156	0.038	16	
133.05	Proline (%)	Pre-col AQC Der	**0682**	1.202	1.213	**1.208**	**1.36**	1.156	0.038	16	
133.05	Proline (%)	Pre-col AQC Der	**2196**	1.258	1.258	**1.258**	**2.69**	1.156	0.038	16	7
					Serine (%)						
134.00	Serine (%)	Post-col Ninhydrin Der	**0504**	0.71	0.69	**0.7**	**-3.07**	0.8521	0.0496	17	
134.02	Serine (%)	Post-col OPA Der	**0098**	0.735	0.737	**0.736**	**-2.34**	0.8521	0.0496	17	
134.05	Serine (%)	Pre-col AQC Der	**0610**	0.81	0.82	**0.815**	**-0.75**	0.8521	0.0496	17	
134.00	Serine (%)	Post-col Ninhydrin Der	**0968**	0.83	0.82	**0.825**	**-0.55**	0.8521	0.0496	17	
134.99	Serine (%)	Miscellaneous	**2488**	0.81	0.84	**0.825**	**-0.55**	0.8521	0.0496	17	
134.05	Serine (%)	Pre-col AQC Der	**2188**	0.8487	0.8287	**0.8387**	**-0.27**	0.8521	0.0496	17	
134.99	Serine (%)	Miscellaneous	**2146**	0.84	0.85	**0.845**	**-0.14**	0.8521	0.0496	17	
134.00	Serine (%)	Post-col Ninhydrin Der	**0226**	0.8405	0.8573	**0.8489**	**-0.06**	0.8521	0.0496	17	
134.05	Serine (%)	Pre-col AQC Der	**0407**	0.837	0.861	**0.849**	**-0.06**	0.8521	0.0496	17	
134.00	Serine (%)	Post-col Ninhydrin Der	**0571**	0.844	0.86	**0.852**	**0.00**	0.8521	0.0496	17	
134.00	Serine (%)	Post-col Ninhydrin Der	**0353**	0.85	0.86	**0.855**	**0.06**	0.8521	0.0496	17	
134.00	Serine (%)	Post-col Ninhydrin Der	**0675**	0.862	0.86	**0.861**	**0.18**	0.8521	0.0496	17	
134.05	Serine (%)	Pre-col AQC Der	**0870**	0.879	0.85	**0.8645**	**0.25**	0.8521	0.0496	17	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
134.00	Serine (%)	Post-col Ninhydrin Der	**0227**	0.88	0.88	**0.88**	**0.56**	0.8521	0.0496	17	7
134.05	Serine (%)	Pre-col AQC Der	**2196**	0.918	0.918	**0.918**	**1.33**	0.8521	0.0496	17	7
134.05	Serine (%)	Pre-col AQC Der	**2246**	0.9658	0.9221	**0.944**	**1.85**	0.8521	0.0496	17	
134.05	Serine (%)	Pre-col AQC Der	**0682**	0.95	0.972	**0.961**	**2.20**	0.8521	0.0496	17	
					Threonine (%)						
135.00	Threonine (%)	Post-col Ninhydrin Der	**0226**	0.6261	0.6265	**0.6263**	**-1.52**	0.6692	0.0283	16	
135.05	Threonine (%)	Pre-col AQC Der	**0407**	0.597	0.667	**0.632**	**-1.32**	0.6692	0.0283	16	1
135.05	Threonine (%)	Pre-col AQC Der	**2188**	0.6435	0.6278	**0.6356**	**-1.19**	0.6692	0.0283	16	
135.02	Threonine (%)	Post-col OPA Der	**0098**	0.64	0.643	**0.6415**	**-0.98**	0.6692	0.0283	16	
135.00	Threonine (%)	Post-col Ninhydrin Der	**0353**	0.66	0.65	**0.655**	**-0.50**	0.6692	0.0283	16	
135.99	Threonine (%)	Miscellaneous	**2488**	0.64	0.67	**0.655**	**-0.50**	0.6692	0.0283	16	
135.00	Threonine (%)	Post-col Ninhydrin Der	**0504**	0.67	0.65	**0.66**	**-0.33**	0.6692	0.0283	16	
135.05	Threonine (%)	Pre-col AQC Der	**0610**	0.66	0.66	**0.66**	**-0.33**	0.6692	0.0283	16	7
135.00	Threonine (%)	Post-col Ninhydrin Der	**0968**	0.66	0.66	**0.66**	**-0.33**	0.6692	0.0283	16	7
135.05	Threonine (%)	Pre-col AQC Der	**0870**	0.676	0.665	**0.6705**	**0.05**	0.6692	0.0283	16	
135.99	Threonine (%)	Miscellaneous	**2146**	0.67	0.68	**0.675**	**0.21**	0.6692	0.0283	16	
135.00	Threonine (%)	Post-col Ninhydrin Der	**0571**	0.671	0.684	**0.6775**	**0.29**	0.6692	0.0283	16	
135.00	Threonine (%)	Post-col Ninhydrin Der	**0227**	0.69	0.68	**0.685**	**0.56**	0.6692	0.0283	16	
135.00	Threonine (%)	Post-col Ninhydrin Der	**0675**	0.681	0.689	**0.685**	**0.56**	0.6692	0.0283	16	
135.05	Threonine (%)	Pre-col AQC Der	**2196**	0.697	0.697	**0.697**	**0.98**	0.6692	0.0283	16	7
135.05	Threonine (%)	Pre-col AQC Der	**0682**	0.718	0.743	**0.7305**	**2.17**	0.6692	0.0283	16	
135.05	Threonine (%)	Pre-col AQC Der	**2246**	0.761	0.7159	**0.7384**	**2.45**	0.6692	0.0283	16	
					Tryptophan (%)						
136.05	Tryptophan (%)	Pre-col AQC Der	**2246**	0.1456	0.1503	**0.148**	**-2.34**	0.2142	0.0283	12	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
136.05	Tryptophan (%)	Pre-col AQC Der	**0870**	0.179	0.19	**0.1845**	**-1.05**	0.2142	0.0283	12	
136.02	Tryptophan (%)	Alka-Hydrol Post-col OPA De	**0098**	0.1902	0.19	**0.1901**	**-0.85**	0.2142	0.0283	12	
136.03	Tryptophan (%)	Alka-Hydrol + IS RP LC Fl	**0353**	0.19	0.2	**0.195**	**-0.68**	0.2142	0.0283	12	
136.99	Tryptophan (%)	Miscellaneous	**0610**	0.21	0.2	**0.205**	**-0.32**	0.2142	0.0283	12	
136.99	Tryptophan (%)	Miscellaneous	**0682**	0.231	0.206	**0.2185**	**0.15**	0.2142	0.0283	12	
136.05	Tryptophan (%)	Pre-col AQC Der	**0407**	0.221	0.227	**0.224**	**0.35**	0.2142	0.0283	12	
136.01	Tryptophan (%)	Alka-Hydrol Rev Phase LC UV	**0227**	0.23	0.22	**0.225**	**0.38**	0.2142	0.0283	12	
136.01	Tryptophan (%)	Alka-Hydrol Rev Phase LC UV	**0968**	0.23	0.23	**0.23**	**0.56**	0.2142	0.0283	12	7
136.03	Tryptophan (%)	Alka-Hydrol + IS RP LC Fl	**0226**	0.2311	0.2363	**0.2337**	**0.69**	0.2142	0.0283	12	
136.03	Tryptophan (%)	Alka-Hydrol + IS RP LC Fl	**2196**	0.236	0.236	**0.236**	**0.77**	0.2142	0.0283	12	7
136.99	Tryptophan (%)	Miscellaneous	**0504**	0.61	0.61	**0.61**	**13.97**	0.2142	0.0283	12	7

Tyrosine (%)

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	**0227**	0.44	0.43	**0.435**	**-1.50**	0.5552	0.0804	16	
137.99	Tyrosine (%)	Miscellaneous	**2146**	0.45	0.46	**0.455**	**-1.25**	0.5552	0.0804	16	
137.02	Tyrosine (%)	Post-col OPA Der	**0098**	0.445	0.482	**0.4635**	**-1.14**	0.5552	0.0804	16	
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	**0504**	0.52	0.49	**0.505**	**-0.63**	0.5552	0.0804	16	
137.05	Tyrosine (%)	Pre-col AQC Der	**2246**	0.5354	0.4809	**0.5082**	**-0.59**	0.5552	0.0804	16	
137.05	Tyrosine (%)	Pre-col AQC Der	**0870**	0.525	0.497	**0.511**	**-0.55**	0.5552	0.0804	16	
137.05	Tyrosine (%)	Pre-col AQC Der	**0407**	0.518	0.57	**0.544**	**-0.14**	0.5552	0.0804	16	
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	**0968**	0.55	0.54	**0.545**	**-0.13**	0.5552	0.0804	16	
137.99	Tyrosine (%)	Miscellaneous	**2488**	0.54	0.58	**0.56**	**0.06**	0.5552	0.0804	16	
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	**0675**	0.582	0.584	**0.583**	**0.35**	0.5552	0.0804	16	
137.05	Tyrosine (%)	Pre-col AQC Der	**2188**	0.6142	0.5769	**0.5956**	**0.50**	0.5552	0.0804	16	
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	**0226**	0.6155	0.6145	**0.615**	**0.74**	0.5552	0.0804	16	
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	**0353**	0.63	0.64	**0.635**	**0.99**	0.5552	0.0804	16	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
137.05	Tyrosine (%)	Pre-col AQC Der	**2196**	0.636	0.636	**0.636**	**1.01**	0.5552	0.0804	16	7
137.05	Tyrosine (%)	Pre-col AQC Der	**0682**	0.671	0.614	**0.6425**	**1.09**	0.5552	0.0804	16	
137.05	Tyrosine (%)	Pre-col AQC Der	**0610**	0.65	0.65	**0.65**	**1.18**	0.5552	0.0804	16	7
					Valine (%)						
138.00	Valine (%)	Post-col Ninhydrin Der	**0353**	0.72	0.67	**0.695**	**-2.48**	0.8216	0.051	17	
138.05	Valine (%)	Pre-col AQC Der	**2188**	0.7562	0.7296	**0.7429**	**-1.54**	0.8216	0.051	17	
138.99	Valine (%)	Miscellaneous	**2488**	0.77	0.79	**0.78**	**-0.82**	0.8216	0.051	17	
138.99	Valine (%)	Miscellaneous	**2146**	0.78	0.79	**0.785**	**-0.72**	0.8216	0.051	17	
138.00	Valine (%)	Post-col Ninhydrin Der	**0968**	0.8	0.79	**0.795**	**-0.52**	0.8216	0.051	17	
138.05	Valine (%)	Pre-col AQC Der	**2246**	0.8046	0.798	**0.8013**	**-0.40**	0.8216	0.051	17	
138.05	Valine (%)	Pre-col AQC Der	**0870**	0.816	0.801	**0.8085**	**-0.26**	0.8216	0.051	17	
138.00	Valine (%)	Post-col Ninhydrin Der	**0226**	0.8387	0.7975	**0.8181**	**-0.07**	0.8216	0.051	17	
138.05	Valine (%)	Pre-col AQC Der	**2196**	0.819	0.819	**0.819**	**-0.05**	0.8216	0.051	17	7
138.05	Valine (%)	Pre-col AQC Der	**0407**	0.809	0.836	**0.8225**	**0.02**	0.8216	0.051	17	
138.05	Valine (%)	Pre-col AQC Der	**0610**	0.83	0.83	**0.83**	**0.16**	0.8216	0.051	17	7
138.00	Valine (%)	Post-col Ninhydrin Der	**0571**	0.838	0.842	**0.84**	**0.36**	0.8216	0.051	17	
138.00	Valine (%)	Post-col Ninhydrin Der	**0675**	0.85	0.854	**0.852**	**0.60**	0.8216	0.051	17	
138.05	Valine (%)	Pre-col AQC Der	**0682**	0.823	0.902	**0.8625**	**0.80**	0.8216	0.051	17	
138.00	Valine (%)	Post-col Ninhydrin Der	**0227**	0.87	0.89	**0.88**	**1.14**	0.8216	0.051	17	
138.00	Valine (%)	Post-col Ninhydrin Der	**0504**	0.89	0.88	**0.885**	**1.24**	0.8216	0.051	17	
138.02	Valine (%)	Post-col OPA Der	**0098**	0.902	0.91	**0.906**	**1.65**	0.8216	0.051	17	
					Taurine (%)						
139.02	Taurine (%)	Post-col OPA Der	**0098**	<0.01	<0.01	**<0.01**					6
139.02	Taurine (%)	Post-col OPA Der	**0227**	<0.01	<0.01	**<0.01**					6

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
139.05	Taurine (%)	Pre-col AQC Der	**0682**	<0.05	<0.05	**<0.05**					6
139.05	Taurine (%)	Pre-col AQC Der	**0407**	0.028	0.029	**0.0285**					
139.00	Taurine (%)	Post-col Ninhydrin Der	**0504**	0.15	0.15	**0.15**					7
		Fructose (%)									
160.10	Fructose (%)	HPAEC PAD	**0297**	0.17	0.19	**0.18**	-1.15	0.2667	0.0752	3	
160.10	Fructose (%)	HPAEC PAD	**0353**	0.3	0.31	**0.305**	0.51	0.2667	0.0752	3	
160.99	Fructose (%)	Miscellaneous	**0227**	0.3	0.33	**0.315**	0.64	0.2667	0.0752	3	
		Galactose (%)									
161.10	Galactose (%)	HPAEC PAD	**0297**	0	0	**0**					5
		Glucose (%)									
162.10	Glucose (%)	HPAEC PAD	**0297**	0.22	0.22	**0.22**	-1.15	0.28	0.0522	3	7
162.99	Glucose (%)	Miscellaneous	**0227**	0.33	0.28	**0.305**	0.48	0.28	0.0522	3	
162.10	Glucose (%)	HPAEC PAD	**0353**	0.3	0.33	**0.315**	0.67	0.28	0.0522	3	
		Lactose (%)									
163.99	Lactose (%)	Miscellaneous	**0227**	<0.15	<0.15	**<0.15**					6
163.10	Lactose (%)	HPAEC PAD	**0297**	0	0	**0**					5
163.10	Lactose (%)	HPAEC PAD	**0353**	0.09	0.09	**0.09**					7
		Maltose (%)									
164.99	Maltose (%)	Miscellaneous	**0227**	<0.15	<0.15	**<0.15**					6
164.10	Maltose (%)	HPAEC PAD	**0297**	0.2	0.2	**0.2**					7
164.10	Maltose (%)	HPAEC PAD	**0353**	0.42	0.47	**0.445**					

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
			Sucrose (%)								
165.10	Sucrose (%)	HPAEC PAD	**0297**	1.79	1.91	**1.85**	-1.08	1.968	0.1091	3	
165.10	Sucrose (%)	HPAEC PAD	**0353**	2.03	1.95	**1.99**	0.20	1.968	0.1091	3	
165.99	Sucrose (%)	Miscellaneous	**0227**	2.04	2.09	**2.065**	0.89	1.968	0.1091	3	
			Raffinose (%)								
166.99	Raffinose (%)	Miscellaneous	**0227**	0.34	0.35	**0.345**					2
166.10	Raffinose (%)	HPAEC PAD	**0353**	0.43	0.37	**0.4**					
166.10	Raffinose (%)	HPAEC PAD	**0297**	0.41	0.39	**0.4**					
			Stachyose (%)								
167.10	Stachyose (%)	HPAEC PAD	**0297**	1.09	1.07	**1.08**	-0.63	1.333	0.4046	3	
167.10	Stachyose (%)	HPAEC PAD	**0353**	1.15	1.09	**1.12**	-0.53	1.333	0.4046	3	
167.99	Stachyose (%)	Miscellaneous	**0227**	1.81	1.79	**1.8**	1.15	1.333	0.4046	3	
			Amprolium (ppm)								
345.02	Amprolium (ppm)	LC (UV or FL)	**0028**	98	102	**100**	**-0.98**	112.6	12.86	10	8
345.02	Amprolium (ppm)	LC (UV or FL)	**0512**	99.96	100.7	**100.3**	**-0.95**	112.6	12.86	10	
345.02	Amprolium (ppm)	LC (UV or FL)	**0038**	103	103	**103**	**-0.75**	112.6	12.86	10	8
345.02	Amprolium (ppm)	LC (UV or FL)	**0218**	104.87	104.24	**104.6**	**-0.62**	112.6	12.86	10	
345.00	Amprolium (ppm)	Colorimetric	**0043**	107	110	**108.5**	**-0.32**	112.6	12.86	10	8
345.02	Amprolium (ppm)	LC (UV or FL)	**0001**	114.534	111.656	**113.1**	**0.04**	112.6	12.86	10	
345.02	Amprolium (ppm)	LC (UV or FL)	**0964**	113.529	118.782	**116.2**	**0.28**	112.6	12.86	10	
345.00	Amprolium (ppm)	Colorimetric	**0013**	121	121	**121**	**0.65**	112.6	12.86	10	7
345.02	Amprolium (ppm)	LC (UV or FL)	**0036**	121	133	**127**	**1.12**	112.6	12.86	10	8

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
345.00	Amprolium (ppm)	Colorimetric	**0171**	127.2	127.6	**127.4**	**1.15**	112.6	12.86	10	
345.00	Amprolium (ppm)	Colorimetric	**0019**	154.9	152.7	**153.8**	**3.20**	112.6	12.86	10	
						Water Activity (Units)					
400.01	Water Activity (Units)	Aqualab chilled mirror	**0853**	0.6155	0.6165	**0.616**	**-1.39**	0.6453	0.0212	7	
400.01	Water Activity (Units)	Aqualab chilled mirror	**0942**	0.637	0.631	**0.634**	**-0.53**	0.6453	0.0212	7	
400.01	Water Activity (Units)	Aqualab chilled mirror	**2268**	0.661	0.618	**0.6395**	**-0.27**	0.6453	0.0212	7	1
400.01	Water Activity (Units)	Aqualab chilled mirror	**0407**	0.6411	0.6435	**0.6423**	**-0.14**	0.6453	0.0212	7	
400.01	Water Activity (Units)	Aqualab chilled mirror	**0123**	0.65	0.64	**0.645**	**-0.01**	0.6453	0.0212	7	
400.01	Water Activity (Units)	Aqualab chilled mirror	**0589**	0.648	0.65	**0.649**	**0.17**	0.6453	0.0212	7	
400.01	Water Activity (Units)	Aqualab chilled mirror	**2181**	0.6533	0.6543	**0.6538**	**0.40**	0.6453	0.0212	7	
400.99	Water Activity (Units)	Miscellaneous	**0852**	0.7	0.7	**0.7**	**2.58**	0.6453	0.0212	7	7
						Arsenic, Total (ppm)					
516.52	Arsenic, Total (ppm)	ICP-MS, Open vessel	**0186**	<0.05	<0.05	**<0.05**		0.0669	0.036	4	6
516.52	Arsenic, Total (ppm)	ICP-MS, Open vessel	**0560**	<2.5	<2.5	**<2.5**		0.0669	0.036	4	6
516.43	Arsenic, Total (ppm)	ICP, Microwave	**0682**	<20	<20	**<20**		0.0669	0.036	4	6
516.53	Arsenic, Total (ppm)	ICP-MS, Microwave	**0407**	0.0438	0.0448	**0.0443**	**-0.63**	0.0669	0.036	4	
516.53	Arsenic, Total (ppm)	ICP-MS, Microwave	**0227**	0.048	0.052	**0.05**	**-0.47**	0.0669	0.036	4	
516.00	Arsenic, Total (ppm)	AA, Hydride	**0045**	0.048	0.057	**0.0525**	**-0.40**	0.0669	0.036	4	
516.53	Arsenic, Total (ppm)	ICP-MS, Microwave	**0918**	0.1205	0.1208	**0.1206**	**1.49**	0.0669	0.036	4	
						Cadmium (ppm)					
518.53	Cadmium (ppm)	ICP-MS, Microwave	**0407**	0.0465	0.0528	**0.0496**	**-0.88**	0.0601	0.0119	7	
518.53	Cadmium (ppm)	ICP-MS, Microwave	**0227**	0.05	0.056	**0.053**	**-0.60**	0.0601	0.0119	7	
518.33	Cadmium (ppm)	AAS, Microwave	**2246**	0.0578	0.0506	**0.0542**	**-0.50**	0.0601	0.0119	7	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
518.52	Cadmium (ppm)	ICP-MS, Open vessel	**0186**	0.0538	0.0552	**0.0545**	**-0.48**	0.0601	0.0119	7	
518.41	Cadmium (ppm)	ICP, Dry ash	**0407**	0.0582	0.0638	**0.061**	**0.07**	0.0601	0.0119	7	
518.53	Cadmium (ppm)	ICP-MS, Microwave	**0918**	0.071	0.0704	**0.0707**	**0.89**	0.0601	0.0119	7	
518.43	Cadmium (ppm)	ICP, Microwave	**0407**	0.0986	0.1025	**0.1006**	**3.40**	0.0601	0.0119	7	
518.43	Cadmium (ppm)	ICP, Microwave	**0682**	0.09	0.17	**0.13**	**5.88**	0.0601	0.0119	7	1
					Chromium (ppm)						
520.43	Chromium (ppm)	ICP, Microwave	**0297**	0	0	**0**		2.165	0.5018	14	5
520.52	Chromium (ppm)	ICP-MS, Open vessel	**0560**	1.48	1.52	**1.5**	**-1.33**	2.165	0.5018	14	
520.41	Chromium (ppm)	ICP, Dry ash	**0407**	1.533	1.8984	**1.716**	**-0.90**	2.165	0.5018	14	
520.53	Chromium (ppm)	ICP-MS, Microwave	**0227**	1.55	1.91	**1.73**	**-0.87**	2.165	0.5018	14	
520.43	Chromium (ppm)	ICP, Microwave	**0968**	1.74	1.72	**1.73**	**-0.87**	2.165	0.5018	14	
520.53	Chromium (ppm)	ICP-MS, Microwave	**0407**	1.7679	2.0865	**1.927**	**-0.47**	2.165	0.5018	14	
520.52	Chromium (ppm)	ICP-MS, Open vessel	**0186**	1.97	1.89	**1.93**	**-0.47**	2.165	0.5018	14	
520.42	Chromium (ppm)	ICP, Open vessel	**0045**	2.26	1.85	**2.055**	**-0.22**	2.165	0.5018	14	
520.43	Chromium (ppm)	ICP, Microwave	**0407**	2.2169	2.2411	**2.229**	**0.13**	2.165	0.5018	14	
520.42	Chromium (ppm)	ICP, Open vessel	**0693**	2.22	2.26	**2.24**	**0.15**	2.165	0.5018	14	
520.43	Chromium (ppm)	ICP, Microwave	**2481**	2.41	2.41	**2.41**	**0.49**	2.165	0.5018	14	7
520.43	Chromium (ppm)	ICP, Microwave	**0510**	2.49	2.42	**2.455**	**0.58**	2.165	0.5018	14	
520.43	Chromium (ppm)	ICP, Microwave	**0226**	2.6	2.63	**2.615**	**0.90**	2.165	0.5018	14	
520.43	Chromium (ppm)	ICP, Microwave	**0682**	2.76	2.95	**2.855**	**1.38**	2.165	0.5018	14	
520.53	Chromium (ppm)	ICP-MS, Microwave	**0918**	2.8425	3.005	**2.924**	**1.51**	2.165	0.5018	14	
					Lead (ppm)						
526.52	Lead (ppm)	ICP-MS, Open vessel	**0560**	<0.5	<0.5	**<0.5**		0.138	0.1218	7	6
526.53	Lead (ppm)	ICP-MS, Microwave	**0407**	0.0494	0.0584	**0.0539**	**-0.69**	0.138	0.1218	7	

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
526.53	Lead (ppm)	ICP-MS, Microwave	**0227**	0.06	0.058	**0.059**	**-0.65**	0.138	0.1218	7	
526.52	Lead (ppm)	ICP-MS, Open vessel	**0186**	0.0633	0.0639	**0.0636**	**-0.61**	0.138	0.1218	7	
526.53	Lead (ppm)	ICP-MS, Microwave	**0918**	0.065	0.066	**0.0655**	**-0.60**	0.138	0.1218	7	
526.41	Lead (ppm)	ICP, Dry ash	**0407**	0.1303	0.1885	**0.1594**	**0.18**	0.138	0.1218	7	
526.43	Lead (ppm)	ICP, Microwave	**0407**	0.2117	0.2766	**0.2442**	**0.87**	0.138	0.1218	7	
526.33	Lead (ppm)	AAS, Microwave	**2246**	0.4934	0.4462	**0.4698**	**2.72**	0.138	0.1218	7	
526.43	Lead (ppm)	ICP, Microwave	**0682**	3.77	1.48	**2.625**	**20.42**	0.138	0.1218	7	1
					Mercury (ppb)						
529.99	Mercury (ppb)	Miscellaneous	**0227**	<10	<10	**<10**					6
529.99	Mercury (ppb)	Miscellaneous	**0682**	370	<100	**<100**					6
529.99	Mercury (ppb)	Miscellaneous	**0407**	5.8418	6.1208	**5.981**					
					Nickel (ppm)						
539.43	Nickel (ppm)	ICP, Microwave	**0297**	1	2	**1.5**	**-1.53**	2.49	0.6481	7	1
539.41	Nickel (ppm)	ICP, Dry ash	**0407**	1.7279	1.8076	**1.768**	**-1.11**	2.49	0.6481	7	
539.53	Nickel (ppm)	ICP-MS, Microwave	**0407**	1.9455	2.2922	**2.119**	**-0.57**	2.49	0.6481	7	
539.43	Nickel (ppm)	ICP, Microwave	**0407**	2.1633	2.2523	**2.208**	**-0.44**	2.49	0.6481	7	
539.52	Nickel (ppm)	ICP-MS, Open vessel	**0186**	2.25	2.33	**2.29**	**-0.31**	2.49	0.6481	7	
539.43	Nickel (ppm)	ICP, Microwave	**0682**	2.47	2.79	**2.63**	**0.22**	2.49	0.6481	7	
539.53	Nickel (ppm)	ICP-MS, Microwave	**0918**	2.973	2.936	**2.954**	**0.72**	2.49	0.6481	7	
539.43	Nickel (ppm)	ICP, Microwave	**0226**	5.75	5.83	**5.79**	**5.09**	2.49	0.6481	7	
					Butyric Acid (4:0) (%)						
702.00	Butyric Acid (4:0) (%)	Miscellaneous GC	**0227**	0	0	**0**					5

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats Robust Mean	Robust StDev	n used	[4] Flag
			Caproic Acid (6:0) (%)								
704.00	Caproic Acid (6:0) (%)	Miscellaneous GC	**0227**	0	0	**0**					5
			Caprylic acid (8:0) (% w/w)								
706.99	Caprylic acid (8:0) (% w/w)	Miscellaneous	**0227**	0.01	0.001	**0.0055**					
			Capric acid (10:0) (% w/w)								
708.99	Capric acid (10:0) (% w/w)	Miscellaneous	**0227**	0.007	0.001	**0.004**					
			Lauric Acid (12:0) (% w/w)								
710.99	Lauric Acid (12:0) (% w/w)	Miscellaneous	**0226**	<0.005	<0.005	**<0.005**					6
710.99	Lauric Acid (12:0) (% w/w)	Miscellaneous	**0227**	0.005	0.002	**0.0035**					
			Myristic Acid (14:0) (% w/w)								
714.99	Myristic Acid (14:0) (% w/w	Miscellaneous	**0226**	<0.005	<0.005	**<0.005**					6
714.99	Myristic Acid (14:0) (% w/w	Miscellaneous	**0227**	0.006	0.004	**0.005**					
			Palmitic Acid (16:0) (% w/w)								
716.99	Palmitic Acid (16:0) (% w/w	Miscellaneous	**0226**	0.4468	0.4301	**0.4384**					
716.99	Palmitic Acid (16:0) (% w/w	Miscellaneous	**0227**	0.469	0.437	**0.453**					
			Palmitoleic Acid (9c-16:1) (% w/w)								
718.99	Palmitoleic Acid (9c-16:1) (%	Miscellaneous	**0226**	<0.005	<0.005	**<0.005**					6
718.99	Palmitoleic Acid (9c-16:1) (%	Miscellaneous	**0227**	0.005	0.006	**0.0055**					

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
			Margaric acid (17:0) (% w/w)								
720.99	Margaric acid (17:0) (% w/	Miscellaneous	**0227**	0.005	0.004	**0.0045**					
			Stearic Acid (18:0) (% w/w)								
722.99	Stearic Acid (18:0) (% w/w)	Miscellaneous	**0226**	0.073	0.0705	**0.0718**					
722.99	Stearic Acid (18:0) (% w/w)	Miscellaneous	**0227**	0.081	0.073	**0.077**					
			Oleic Acid (9c-18:1) (% w/w)								
724.99	Oleic Acid (9c-18:1) (% w/w	Miscellaneous	**0227**	0.58	0.557	**0.5685**					
724.99	Oleic Acid (9c-18:1) (% w/w	Miscellaneous	**0226**	0.6111	0.5988	**0.605**					
			Linoleic Acid (9c,12c-18:2) (% w/w)								
726.99	Linoleic Acid (9c,12c-18:2) (	Miscellaneous	**0227**	1.494	1.399	**1.446**					
726.99	Linoleic Acid (9c,12c-18:2) (	Miscellaneous	**0226**	1.495	1.4932	**1.494**					
			alpha-Linolenic Acid (9c,12c,15c-18:3) (% w/w)								
728.99	alpha-Linolenic Acid (9c,12c,	Miscellaneous	**0227**	0.086	0.086	**0.086**					7
728.99	alpha-Linolenic Acid (9c,12c,	Miscellaneous	**0226**	0.0859	0.0872	**0.0866**					
			Arachidic Acid (20:0) (% w/w)								
730.99	Arachidic Acid (20:0) (% w/	Miscellaneous	**0226**	0.0103	0.0102	**0.0102**					
730.99	Arachidic Acid (20:0) (% w/	Miscellaneous	**0227**	0.011	0.01	**0.0105**					
			Gondoic Acid (11c-20:1) (% w/w)								
732.99	Gondoic Acid (11c-20:1) (%	Miscellaneous	**0227**	0.009	0.008	**0.0085**					
732.99	Gondoic Acid (11c-20:1) (%	Miscellaneous	**0226**	0.0087	0.0087	**0.0087**					7

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
			Arachidonic Acid (5c,8c,11c,14c-20:4) (% w/w)								
736.99	Arachidonic Acid (5c,8c,11c,	Miscellaneous	**0227**	0	0	**0**					5
			pentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%								
740.99	Eicosapentaenoic Acid EPA (	Miscellaneous	**0226**	<0.005	<0.005	**<0.005**					6
740.99	Eicosapentaenoic Acid EPA (	Miscellaneous	**0227**	0	0.001	**0.0005**					5
			Behenic Acid (22:0) (% w/w)								
742.99	Behenic Acid (22:0) (% w/w	Miscellaneous	**0226**	0.0077	0.0083	**0.008**					
742.99	Behenic Acid (22:0) (% w/w	Miscellaneous	**0227**	0.011	0.009	**0.01**					
			Erucic Acid (13c-22:1) (% w/w)								
744.99	Erucic Acid (13c-22:1) (% w/	Miscellaneous	**0226**	<0.005	<0.005	**<0.005**					6
744.99	Erucic Acid (13c-22:1) (% w/	Miscellaneous	**0227**	0.002	0.002	**0.002**					7
			pentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c- (%								
746.99	Docosapentaenoic Acid n-3	Miscellaneous	**0226**	<0.005	<0.005	**<0.005**					6
746.99	Docosapentaenoic Acid n-3	Miscellaneous	**0227**	0	0	**0**					5
			Lignoceric Acid (24:0) (% w/w)								
748.99	Lignoceric Acid (24:0) (% w/	Miscellaneous	**0226**	0.0103	0.0102	**0.0102**					
748.99	Lignoceric Acid (24:0) (% w/	Miscellaneous	**0227**	0.012	0.01	**0.011**					
			hexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22 (%								
750.99	Docosahexaenoic Acid DHA	Miscellaneous	**0226**	<0.005	<0.005	**<0.005**					6
750.99	Docosahexaenoic Acid DHA	Miscellaneous	**0227**	0.001	0.002	**0.0015**					

Code	Analyte	Method	Lab Code	Result1	Result2	[1] Lab Value	[2] Z score	[3] Robust Stats: Robust Mean	Robust StDev	n used	[4] Flag
			Nervonic Acid (24:1) isomers (% w/w)								
752.99	Nervonic Acid (24:1) isomer	Miscellaneous	**0226**	<0.005	<0.005	**<0.005**					6
752.99	Nervonic Acid (24:1) isomer	Miscellaneous	**0227**	0.004	0.003	**0.0035**					
			n-3 Polyunsaturated (Omega-3) Fatty Acids (%								
754.99	Total n-3 Polyunsaturated (	Miscellaneous	**0227**	0.087	0.089	**0.088**					
			n-6 Polyunsaturated (Omega-6) Fatty Acids (%								
756.99	Total n-6 Polyunsaturated (	Miscellaneous	**0227**	1.503	1.404	**1.454**					
			Total Saturated Fatty Acids (% w/w)								
758.99	Total Saturated Fatty Acids (	Miscellaneous	**0227**	0.62	0.553	**0.5865**					
			Total cis Monounsaturated Fatty Acids (% w/w)								
764.99	Total cis Monounsaturated	Miscellaneous	**0227**	0.638	0.609	**0.6235**					
			Total cis Polyunsaturated Fatty Acids (% w/w)								
768.99	Total cis Polyunsaturated Fa	Miscellaneous	**0227**	1.593	1.498	**1.546**					
			Total Fat (equivalent to NLEA) (% w/w)								
770.99	Total Fat (equivalent to NLE	Miscellaneous	**0227**	2.993	2.793	**2.893**					
			Total Fatty Acids (% w/w)								
772.99	Total Fatty Acids (% w/w)	Miscellaneous	**0226**	2.75	2.72	**2.735**					
772.99	Total Fatty Acids (% w/w)	Miscellaneous	**0227**	2.861	2.67	**2.766**					

1. Lab Value: Lab Value is the average of 2 reported lab results.

2. Z score: Red = Z value >3 or <-3 (action required), Orange = Z value between 2 and 3 or -2 and -3 (warning), Green = Z value between -2 and 2 (pass). Z values are shown for data populations with number of observation used (n used) >= 3 for Lab Values that are not an analytical limit or 0. Color ratings shown for number of observations used (n used) >=6. Z values were calculated as (Lab Value - Mean Value)/(standard deviation).

3. Statistical parameters: Robust statistics was employed to determine mean and standard deviation (StDev) if number of observations used (n used) >=6 (blue background). Classical statistics was employed if number of observations used (n used) = 3, 4, or 5 (pink background). Flags identify data not used to calculate mean and standard deviation.

4. Flag: Flag number identifies why data was not used to determine statistical parameters. 1 = data rejected for dups too far apart, 2 = rejected as extreme outier, 3 = rejected for both dups too far apart and extreme outlier, 4 = removed after manual inspection, 5 = rejected due to zero(s) submitted, 6 = rejected due to analytical limit submitted (eg "<0.1"), 7 = Lab's range rejected for determining mean range on Report Cards due to identical values reported for two results.

Appendix

Content Description of ANALYTE All Labs PT Report

The Analyte All Labs PT Report has results listed for every lab grouped by Analyte with data in each group sorted by lab value. The reports are helpful to see where your lab result fell within the whole set of data for the Analyte by identifying your results by your lab code. Data on the right side of the report shows the mean, standard deviation, and number of observations used (n used) in the analysis of each group. An observation was a lab value for a test which was the average of reported duplicate results. Mean and standard deviation were determined using Algorithm A robust analysis in ISO 13528:2015(E) (Statistical methods for use in proficiency testing by interlaboratory comparison) for 6 or more observations. Robust statistics has an advantage of removing undesired influence of outlying data on the mean and standard deviation without removing data from the statistical analysis. Robust statistics was only used on data sets with 6 or more observations. For data sets with 3, 4, or 5 observations, classical calculation of mean and standard deviation was performed. Z scores for data sets with a small number of observations are given less importance as indicated by no color coding of Z score with less than 6 observations. No Z scores were determined for 1 or 2 observations.

Before determining mean and standard deviation for a set of data, data was removed from statistical analysis for various reasons. Mandel statistical analysis was used to identify and remove extreme outliers and lab values from duplicate results that were too far apart (ISO 5725-2:1994, Accuracy (trueness and precision) of measurement methods and results – Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method.). Any individual result report of zero or less than a limit had lab value removed from analysis. Duplicate results that were the same were removed from determination of mean range evaluating precision to remove undo influence of entries from labs reporting one result twice. The data removed from analysis are denoted with numerical flags on the far right-hand side of the report that are defined in a footnote. Z scores are reported for data removed due to extreme outlier or duplicates too far apart even though data was not used in the determination of mean and standard deviation. However, Z scores are not reported for results reported as 0 or less than a limit. Also, any entry of just one lab result is removed for consideration in statistical analyses and presentation on reports.