



## ANALYTE All Labs PT Report

### 202624 (Equine Feed)

Issue Date: 5/31/2026

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
<b>Loss on Drying (%)</b>											
001.99	Loss on Drying (%)	Miscellaneous	0618	5.63	5.31	5.47	-12.23	9.547	0.3332	47	2
001.00	Loss on Drying (%)	Vac 95°C 5 hr	0169	8.27	8.3	8.285	-3.79	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0089	8.61	8.62	8.615	-2.80	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	2144	8.8	8.75	8.775	-2.32	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0038	9.01	9	9.005	-1.63	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0345	9.01	9.12	9.065	-1.45	9.547	0.3332	47	
001.99	Loss on Drying (%)	Miscellaneous	0852	9.01	9.33	9.17	-1.13	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	2009	9.22	9.24	9.23	-0.95	9.547	0.3332	47	
001.99	Loss on Drying (%)	Miscellaneous	0610	9.28	9.27	9.275	-0.82	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0297	9.38	9.27	9.325	-0.67	9.547	0.3332	47	
001.00	Loss on Drying (%)	Vac 95°C 5 hr	0407	9.258	9.4081	9.333	-0.64	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	2465	9.39	9.28	9.335	-0.63	9.547	0.3332	47	
001.00	Loss on Drying (%)	Vac 95°C 5 hr	0027	9.357	9.368	9.362	-0.55	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0226	9.43	9.3	9.365	-0.54	9.547	0.3332	47	
001.99	Loss on Drying (%)	Miscellaneous	0918	9.28	9.45	9.365	-0.54	9.547	0.3332	47	
001.99	Loss on Drying (%)	Miscellaneous	0720	9.41	9.38	9.395	-0.45	9.547	0.3332	47	

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								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0853	9.4	9.4	9.4	-0.44	9.547	0.3332	47	7
001.99	Loss on Drying (%)	Miscellaneous	0948	9.4	9.4	9.4	-0.44	9.547	0.3332	47	7
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0083	9.45	9.36	9.405	-0.42	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0066	9.47	9.35	9.41	-0.41	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0074	9.45	9.45	9.45	-0.29	9.547	0.3332	47	7
001.99	Loss on Drying (%)	Miscellaneous	0510	9.6	9.3	9.45	-0.29	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0581	9.51	9.41	9.46	-0.26	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0358	9.55	9.42	9.485	-0.18	9.547	0.3332	47	
001.99	Loss on Drying (%)	Miscellaneous	0186	9.4	9.6	9.5	-0.14	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0278	9.22	9.85	9.535	-0.03	9.547	0.3332	47	
001.99	Loss on Drying (%)	Miscellaneous	2268	9.47	9.66	9.565	0.06	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0876	9.5	9.8	9.65	0.31	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0035	9.58	9.72	9.65	0.31	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0407	9.6497	9.6537	9.652	0.32	9.547	0.3332	47	
001.99	Loss on Drying (%)	Miscellaneous	2319	9.6765	9.6542	9.665	0.36	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0028	9.576	9.821	9.698	0.46	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0033	9.7	9.7	9.7	0.46	9.547	0.3332	47	7
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0045	9.4	10	9.7	0.46	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0505	9.73	9.69	9.71	0.49	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0148	9.7	9.74	9.72	0.52	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0015	9.89	9.55	9.72	0.52	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0098	9.83	9.66	9.745	0.60	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0650	9.85	9.74	9.795	0.75	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0682	10.28	9.35	9.815	0.81	9.547	0.3332	47	1
001.03	Loss on Drying (%)	Low temp. methods	0202	9.85	9.82	9.835	0.87	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0366	9.3	10.4	9.85	0.91	9.547	0.3332	47	1

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001.99	Loss on Drying (%)	Miscellaneous	2392	9.8	10	9.9	1.06	9.547	0.3332	47	
001.99	Loss on Drying (%)	Miscellaneous	0019	9.99	9.84	9.915	1.11	9.547	0.3332	47	
001.00	Loss on Drying (%)	Vac 95°C 5 hr	0504	9.93	9.94	9.935	1.17	9.547	0.3332	47	
001.99	Loss on Drying (%)	Miscellaneous	0357	10.1499	10.0926	10.12	1.72	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0353	10.16	10.09	10.12	1.74	9.547	0.3332	47	
001.99	Loss on Drying (%)	Miscellaneous	0536	10.15	10.14	10.14	1.80	9.547	0.3332	47	
001.99	Loss on Drying (%)	Miscellaneous	0910	10	10.3	10.15	1.81	9.547	0.3332	47	
001.07	Loss on Drying (%)	104°C 3 hr, in malt	0693	10.3	10.1	10.2	1.96	9.547	0.3332	47	

**Protein, Crude (%)**

002.11	Protein, Crude (%)	NIR	0297	11.38	11.28	11.33	-7.33	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0520	10.7563	12.1875	11.47	-6.89	13.7	0.3237	127	1
002.01	Protein, Crude (%)	Auto Kjel-Foss	2517	11.94	13.21	12.58	-3.48	13.7	0.3237	127	1
002.00	Protein, Crude (%)	Crude	0169	12.83	12.86	12.84	-2.65	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	0921	13.005	12.8756	12.94	-2.35	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0510	13.1	13	13.05	-2.02	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0034	13.07	13.25	13.16	-1.68	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2459	13.19	13.26	13.22	-1.48	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0511	13.16	13.36	13.26	-1.37	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0042	13.3	13.3	13.3	-1.24	13.7	0.3237	127	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0956	13.2	13.4	13.3	-1.24	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0539	13.26	13.37	13.32	-1.20	13.7	0.3237	127	
002.01	Protein, Crude (%)	Auto Kjel-Foss	0674	13.34	13.34	13.34	-1.12	13.7	0.3237	127	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0610	13.4	13.3	13.35	-1.09	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0278	13.3	13.4	13.35	-1.09	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0541	13.56	13.18	13.37	-1.03	13.7	0.3237	127	

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002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0968	13.37	13.37	13.37	-1.03	13.7	0.3237	127	7
002.01	Protein, Crude (%)	Auto Kjel-Foss	2526	13.5	13.26	13.38	-1.00	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	0939	13.45	13.31	13.38	-1.00	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0529	13.59	13.17	13.38	-1.00	13.7	0.3237	127	
002.01	Protein, Crude (%)	Auto Kjel-Foss	2457	13.378	13.383	13.38	-1.00	13.7	0.3237	127	
002.02	Protein, Crude (%)	Semiauto Autoanalyzer	0066	13.43	13.34	13.38	-0.98	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0354	13.39	13.4	13.4	-0.95	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	2506	13.4	13.39	13.4	-0.95	13.7	0.3237	127	
002.11	Protein, Crude (%)	NIR	0610	13.3	13.5	13.4	-0.94	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	2453	13.4455	13.4478	13.45	-0.79	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	0643	13.451	13.463	13.46	-0.76	13.7	0.3237	127	
002.04	Protein, Crude (%)	Copper Catalyst	2531	13.42	13.51	13.46	-0.73	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0618	13.48	13.47	13.48	-0.70	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	0563	13.4959	13.4636	13.48	-0.69	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0918	13.64	13.32	13.48	-0.69	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0001	13.6	13.37	13.48	-0.67	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0297	13.43	13.55	13.49	-0.66	13.7	0.3237	127	
002.01	Protein, Crude (%)	Auto Kjel-Foss	2188	13.5	13.49	13.5	-0.64	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	0354	13.46	13.53	13.5	-0.64	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0964	13.5	13.5	13.5	-0.63	13.7	0.3237	127	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0876	13.4	13.6	13.5	-0.63	13.7	0.3237	127	
002.01	Protein, Crude (%)	Auto Kjel-Foss	0870	13.625	13.375	13.5	-0.63	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2268	13.34	13.68	13.51	-0.60	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0589	13.7	13.35	13.52	-0.55	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2392	13.587	13.464	13.53	-0.55	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0009	13.4	13.653	13.53	-0.54	13.7	0.3237	127	

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								Robust Mean	Robust StDev	n used	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0953	13.8	13.26	13.53	-0.53	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2319	13.6	13.5	13.55	-0.47	13.7	0.3237	127	
002.01	Protein, Crude (%)	Auto Kjel-Foss	0910	13.4	13.7	13.55	-0.47	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0720	13.6	13.5	13.55	-0.47	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0870	13.525	13.5812	13.55	-0.46	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0407	13.507	13.627	13.57	-0.42	13.7	0.3237	127	
002.01	Protein, Crude (%)	Auto Kjel-Foss	2196	13.57	13.57	13.57	-0.41	13.7	0.3237	127	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0358	14	13.15	13.58	-0.39	13.7	0.3237	127	
002.08	Protein, Crude (%)	Cu/Ti	0098	13.71	13.48	13.6	-0.33	13.7	0.3237	127	
002.08	Protein, Crude (%)	Cu/Ti	0563	13.5988	13.5976	13.6	-0.32	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0202	13.6	13.6	13.6	-0.32	13.7	0.3237	127	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0010	13.6	13.6	13.6	-0.32	13.7	0.3237	127	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0208	13.5	13.7	13.6	-0.32	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	0948	13.64	13.58	13.61	-0.29	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0939	13.62	13.63	13.62	-0.24	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0650	13.53	13.73	13.63	-0.22	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0294	13.68	13.59	13.64	-0.21	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2150	13.56	13.71	13.64	-0.21	13.7	0.3237	127	
002.01	Protein, Crude (%)	Auto Kjel-Foss	0968	13.65	13.65	13.65	-0.16	13.7	0.3237	127	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0033	13.7	13.6	13.65	-0.16	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	2181	13.61	13.69	13.65	-0.16	13.7	0.3237	127	
002.04	Protein, Crude (%)	Copper Catalyst	0504	13.8	13.5	13.65	-0.16	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0028	13.672	13.645	13.66	-0.14	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0027	13.6	13.72	13.66	-0.13	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	2009	13.6783	13.6419	13.66	-0.13	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0723	13.68	13.69	13.68	-0.05	13.7	0.3237	127	

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								Robust Mean	Robust StDev	n used	
002.01	Protein, Crude (%)	Auto Kjel-Foss	0227	13.81	13.56	13.68	-0.05	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	2144	13.84	13.54	13.69	-0.04	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0144	13.76	13.63	13.7	-0.02	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2433	13.7	13.7	13.7	-0.01	13.7	0.3237	127	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2532	13.5	13.9	13.7	-0.01	13.7	0.3237	127	
002.01	Protein, Crude (%)	Auto Kjel-Foss	2434	13.7	13.7	13.7	-0.01	13.7	0.3237	127	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0045	13.8	13.6	13.7	-0.01	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0100	13.75	13.68	13.72	0.04	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0227	13.88	13.56	13.72	0.05	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0036	13.793	13.656	13.72	0.07	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	2200	13.5	13.97	13.74	0.10	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0035	13.74	13.74	13.74	0.12	13.7	0.3237	127	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0505	13.76	13.72	13.74	0.12	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0693	13.6	13.9	13.75	0.15	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2349	13.7	13.8	13.75	0.15	13.7	0.3237	127	
002.02	Protein, Crude (%)	Semiauto Autoanalyzer	2522	13.74	13.79	13.76	0.19	13.7	0.3237	127	
002.01	Protein, Crude (%)	Auto Kjel-Foss	2465	13.78	13.75	13.76	0.19	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	0536	13.77	13.79	13.78	0.24	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0026	13.817	13.765	13.79	0.27	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2184	14.36	13.23	13.8	0.29	13.7	0.3237	127	1
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0853	13.9	13.7	13.8	0.30	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0948	13.82	13.79	13.8	0.32	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	2392	13.9	13.72	13.81	0.33	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0226	13.77	13.91	13.84	0.42	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0011	13.99	13.7	13.84	0.44	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0108	13.8	13.9	13.85	0.45	13.7	0.3237	127	

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002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0098	14	13.7	13.85	0.45	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0019	13.885	13.835	13.86	0.49	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2181	13.93	13.84	13.88	0.56	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0229	13.61	14.18	13.9	0.59	13.7	0.3237	127	
002.05	Protein, Crude (%)	Copper, Boric Acid	2199	13.9	13.9	13.9	0.61	13.7	0.3237	127	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0242	13.78	14.1	13.94	0.73	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0186	14.03	13.86	13.94	0.75	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0366	14	13.9	13.95	0.76	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0504	13.83	14.09	13.96	0.79	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0074	14.05	13.93	13.99	0.89	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0910	14.2	13.8	14	0.92	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0574	14.15	13.87	14.01	0.95	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2476	14.353	13.724	14.04	1.04	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0353	14	14.08	14.04	1.04	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0345	13.9	14.2	14.05	1.07	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0171	14.05	14.12	14.08	1.18	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0726	14.25	14	14.12	1.30	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0357	14.1719	14.0859	14.13	1.32	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0018	14.1	14.16	14.13	1.32	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0015	14.264	14.013	14.14	1.35	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0190	14.15	14.15	14.15	1.38	13.7	0.3237	127	7
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0687	14.02	14.38	14.2	1.54	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0682	14.38	14.12	14.25	1.69	13.7	0.3237	127	
002.99	Protein, Crude (%)	Miscellaneous	2302	14.12	14.43	14.28	1.77	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0038	14.1	14.5	14.3	1.84	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2326	14.31	14.31	14.31	1.88	13.7	0.3237	127	7

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2076	14.473	14.158	14.32	1.89	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0083	14.36	14.34	14.35	2.00	13.7	0.3237	127	
002.01	Protein, Crude (%)	Auto Kjel-Foss	0685	14.26	14.46	14.36	2.03	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2213	14.39	14.63	14.51	2.49	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0692	15	14.7	14.85	3.54	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	0598	15.31	14.73	15.02	4.07	13.7	0.3237	127	
002.11	Protein, Crude (%)	NIR	0852	14.97	15.31	15.14	4.44	13.7	0.3237	127	
002.11	Protein, Crude (%)	NIR	0047	15.23	15.09	15.16	4.50	13.7	0.3237	127	
002.06	Protein, Crude (%)	Combustion Nitrogen Analyzer	2129	15.344	15.324	15.33	5.04	13.7	0.3237	127	
002.11	Protein, Crude (%)	NIR	0553	15.34	15.6	15.47	5.46	13.7	0.3237	127	

**Fat, Crude (%)**

003.10	Fat, Crude (%)	Randall, Pet Ether	2188	2.34	2.35	2.345	-9.89	4.992	0.2677	112	2
003.99	Fat, Crude (%)	Miscellaneous	2532	2.86	3.58	3.22	-6.62	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0036	3.4824	4.4447	3.964	-3.84	4.992	0.2677	112	1
003.06	Fat, Crude (%)	Pet Ether	0169	4.45	4.28	4.365	-2.34	4.992	0.2677	112	
003.06	Fat, Crude (%)	Pet Ether	0674	4.42	4.42	4.42	-2.14	4.992	0.2677	112	7
003.14	Fat, Crude (%)	Ankom	0581	4.29	4.58	4.435	-2.08	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0089	4.44	4.44	4.44	-2.06	4.992	0.2677	112	7
003.12	Fat, Crude (%)	Hexane Ext	2199	4.1	4.8	4.45	-2.03	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	2434	4.54	4.43	4.485	-1.89	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	2009	4.47	4.52	4.495	-1.86	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	2144	4.58	4.42	4.5	-1.84	4.992	0.2677	112	
003.06	Fat, Crude (%)	Pet Ether	2392	4.77	4.4	4.585	-1.52	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0108	4.43	4.81	4.62	-1.39	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	2465	4.54	4.72	4.63	-1.35	4.992	0.2677	112	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
003.06	Fat, Crude (%)	Pet Ether	2465	4.54	4.72	4.63	-1.35	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	0045	4.61	4.73	4.67	-1.20	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	2459	4.75	4.7	4.725	-1.00	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	0042	4.66	4.79	4.725	-1.00	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	0366	4.9	4.6	4.75	-0.90	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	0693	4.8	4.75	4.775	-0.81	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	2184	4.86	4.7	4.78	-0.79	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0171	4.76	4.83	4.795	-0.74	4.992	0.2677	112	
003.06	Fat, Crude (%)	Pet Ether	0229	4.9	4.69	4.795	-0.74	4.992	0.2677	112	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	0353	4.74	4.86	4.8	-0.72	4.992	0.2677	112	
003.06	Fat, Crude (%)	Pet Ether	0918	4.87	4.73	4.8	-0.72	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0278	4.9	4.7	4.8	-0.72	4.992	0.2677	112	
003.99	Fat, Crude (%)	Miscellaneous	0536	4.82	4.81	4.815	-0.66	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0407	4.7272	4.9102	4.819	-0.65	4.992	0.2677	112	
003.00	Fat, Crude (%)	Diethyl Ether Ext., Direct	2457	4.79	4.86	4.825	-0.62	4.992	0.2677	112	
003.06	Fat, Crude (%)	Pet Ether	0297	4.83	4.83	4.83	-0.61	4.992	0.2677	112	7
003.10	Fat, Crude (%)	Randall, Pet Ether	2196	4.84	4.84	4.84	-0.57	4.992	0.2677	112	7
003.10	Fat, Crude (%)	Randall, Pet Ether	0242	4.84	4.84	4.84	-0.57	4.992	0.2677	112	7
003.14	Fat, Crude (%)	Ankom	0358	4.93	4.75	4.84	-0.57	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	0098	4.84	4.86	4.85	-0.53	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	0541	4.85	4.85	4.85	-0.53	4.992	0.2677	112	7
003.10	Fat, Crude (%)	Randall, Pet Ether	2517	4.87	4.85	4.86	-0.49	4.992	0.2677	112	
003.06	Fat, Crude (%)	Pet Ether	2517	4.87	4.85	4.86	-0.49	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0186	4.88	4.85	4.865	-0.48	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0574	4.95	4.78	4.865	-0.48	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0034	4.89	4.87	4.88	-0.42	4.992	0.2677	112	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
003.12	Fat, Crude (%)	Hexane Ext	2326	4.84	4.92	4.88	-0.42	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	2526	4.96	4.82	4.89	-0.38	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0148	4.83	4.96	4.895	-0.36	4.992	0.2677	112	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	2476	4.848	4.967	4.908	-0.32	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0144	4.9	4.92	4.91	-0.31	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0019	4.915	4.905	4.91	-0.31	4.992	0.2677	112	
003.06	Fat, Crude (%)	Pet Ether	2181	4.88	4.95	4.915	-0.29	4.992	0.2677	112	
003.01	Fat, Crude (%)	Diethyl Ether Ext (13th ed.), Indirect	0563	4.9193	4.9128	4.916	-0.28	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0357	4.91	4.93	4.92	-0.27	4.992	0.2677	112	
003.01	Fat, Crude (%)	Diethyl Ether Ext (13th ed.), Indirect	0504	5.07	4.78	4.925	-0.25	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	0148	4.98	4.87	4.925	-0.25	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	0100	4.94	4.93	4.935	-0.21	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0202	5.13	4.75	4.94	-0.19	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0033	5	4.9	4.95	-0.16	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0956	4.8	5.1	4.95	-0.16	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	2525	4.94	4.96	4.95	-0.16	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0300	5.02	4.91	4.965	-0.10	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0682	4.94	5	4.97	-0.08	4.992	0.2677	112	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	0964	5.004	4.95	4.977	-0.06	4.992	0.2677	112	
003.06	Fat, Crude (%)	Pet Ether	0294	5.1	4.88	4.99	-0.01	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0015	4.98	5.02	5	0.03	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0876	5	5	5	0.03	4.992	0.2677	112	7
003.14	Fat, Crude (%)	Ankom	0520	4.9	5.12	5.01	0.07	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0035	5.06	4.96	5.01	0.07	4.992	0.2677	112	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	0354	4.89	5.14	5.015	0.09	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	2506	4.94	5.1	5.02	0.10	4.992	0.2677	112	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	0948	5.06	5.01	5.035	0.16	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	0610	4.95	5.12	5.035	0.16	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0066	5.05	5.02	5.035	0.16	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0563	5.0228	5.0555	5.039	0.18	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	0720	5.03	5.05	5.04	0.18	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0939	4.92	5.16	5.04	0.18	4.992	0.2677	112	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	2349	5	5.1	5.05	0.22	4.992	0.2677	112	
003.00	Fat, Crude (%)	Diethyl Ether Ext., Direct	2531	4.94	5.24	5.09	0.37	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	2433	5.2453	4.9368	5.091	0.37	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	2076	5.0965	5.09	5.093	0.38	4.992	0.2677	112	
003.11	Fat, Crude (%)	NIR	0297	5.06	5.13	5.095	0.38	4.992	0.2677	112	
003.12	Fat, Crude (%)	Hexane Ext	0171	5.1	5.09	5.095	0.38	4.992	0.2677	112	
003.12	Fat, Crude (%)	Hexane Ext	2200	5.4	4.8	5.1	0.40	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0511	5.07	5.13	5.1	0.40	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0083	5.15	5.07	5.11	0.44	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0723	5.17	5.07	5.12	0.48	4.992	0.2677	112	
003.11	Fat, Crude (%)	NIR	0553	5.13	5.15	5.14	0.55	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0598	5.1	5.24	5.17	0.66	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0505	5.12	5.22	5.17	0.66	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0529	5.19	5.15	5.17	0.66	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0229	5.2	5.15	5.175	0.68	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0009	5.2	5.15	5.175	0.68	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	0618	4.86	5.5	5.18	0.70	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0968	5.18	5.18	5.18	0.70	4.992	0.2677	112	7
003.14	Fat, Crude (%)	Ankom	0001	4.976	5.418	5.197	0.77	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	0870	5.2798	5.1363	5.208	0.81	4.992	0.2677	112	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
003.06	Fat, Crude (%)	Pet Ether	0910	5.21	5.27	5.24	0.93	4.992	0.2677	112	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	0098	5.2	5.3	5.25	0.96	4.992	0.2677	112	
003.10	Fat, Crude (%)	Randall, Pet Ether	2319	5.3	5.2	5.25	0.96	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0948	5.28	5.26	5.27	1.04	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	2302	5.03	5.53	5.28	1.08	4.992	0.2677	112	
003.09	Fat, Crude (%)	Randall, Diethyl Ether Ext	0685	5.18	5.38	5.28	1.08	4.992	0.2677	112	
003.01	Fat, Crude (%)	Diethyl Ether Ext (13th ed.), Indirect	0227	5.36	5.25	5.305	1.17	4.992	0.2677	112	
003.13	Fat, Crude (%)	Randall, Hexane Ext.	0098	5.12	5.5	5.31	1.19	4.992	0.2677	112	
003.11	Fat, Crude (%)	NIR	0852	5.32	5.33	5.325	1.24	4.992	0.2677	112	
003.13	Fat, Crude (%)	Randall, Hexane Ext.	0011	5.44	5.24	5.34	1.30	4.992	0.2677	112	
003.00	Fat, Crude (%)	Diethyl Ether Ext., Direct	2322	5.34	5.36	5.35	1.34	4.992	0.2677	112	
003.00	Fat, Crude (%)	Diethyl Ether Ext., Direct	0682	5.34	5.41	5.375	1.43	4.992	0.2677	112	
003.06	Fat, Crude (%)	Pet Ether	0682	5.34	5.41	5.375	1.43	4.992	0.2677	112	
003.06	Fat, Crude (%)	Pet Ether	0687	5.35	5.4	5.375	1.43	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0510	5.34	5.46	5.4	1.52	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0692	5.42	5.4	5.41	1.56	4.992	0.2677	112	
003.12	Fat, Crude (%)	Hexane Ext	2522	5.42	5.48	5.45	1.71	4.992	0.2677	112	
003.00	Fat, Crude (%)	Diethyl Ether Ext., Direct	0345	5.61	5.4	5.505	1.92	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0226	5.47	5.54	5.505	1.92	4.992	0.2677	112	
003.11	Fat, Crude (%)	NIR	0047	5.56	5.5	5.53	2.01	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0042	5	6.1	5.55	2.08	4.992	0.2677	112	1
003.14	Fat, Crude (%)	Ankom	0726	5.61	5.59	5.6	2.27	4.992	0.2677	112	
003.14	Fat, Crude (%)	Ankom	0190	6.23	6.25	6.24	4.66	4.992	0.2677	112	

**Fiber, Crude (%)**

004.11	Fiber, Crude (%)	NIR	0852	10.7	10.52	10.61	-10.42	18	0.7094	90	2
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Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
004.11	Fiber, Crude (%)	NIR	0610	13	13.4	13.2	-6.77	18	0.7094	90	
004.00	Fiber, Crude (%)	Asbestos Free	0186	15.84	15.81	15.82	-3.07	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	2199	15.95	15.95	15.95	-2.89	18	0.7094	90	7
004.07	Fiber, Crude (%)	ANKOM	0019	15.87	16.265	16.07	-2.73	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0407	16.3398	16.4403	16.39	-2.27	18	0.7094	90	
004.11	Fiber, Crude (%)	NIR	0047	16.31	16.51	16.41	-2.25	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0366	16.4	17.3	16.85	-1.63	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0011	16.68	17.1	16.89	-1.57	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0956	16.7	17.1	16.9	-1.56	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0100	17.06	16.88	16.97	-1.46	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0643	17.017	16.977	17	-1.42	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2144	17.05	16.98	17.02	-1.39	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0226	17.18	17.09	17.14	-1.22	18	0.7094	90	
004.03	Fiber, Crude (%)	Fritted Glass	0921	17.15	17.15	17.15	-1.20	18	0.7094	90	7
004.07	Fiber, Crude (%)	ANKOM	0190	17.3	17.2	17.25	-1.06	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0948	17.33	17.27	17.3	-0.99	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0563	17.4381	17.3451	17.39	-0.86	18	0.7094	90	
004.00	Fiber, Crude (%)	Asbestos Free	0171	17.36	17.47	17.42	-0.83	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2196	17.42	17.42	17.42	-0.82	18	0.7094	90	7
004.07	Fiber, Crude (%)	ANKOM	2506	17.24	17.8	17.52	-0.68	18	0.7094	90	
004.00	Fiber, Crude (%)	Asbestos Free	0169	17.69	17.41	17.55	-0.64	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0202	17.9	17.3	17.6	-0.57	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0083	17.53	17.68	17.6	-0.56	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0148	17.83	17.49	17.66	-0.48	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	0964	17.99	17.34	17.66	-0.48	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	0948	17.52	17.86	17.69	-0.44	18	0.7094	90	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
004.07	Fiber, Crude (%)	ANKOM	0723	17.72	17.72	17.72	-0.40	18	0.7094	90	7
004.07	Fiber, Crude (%)	ANKOM	2302	17.72	17.76	17.74	-0.37	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0098	17.53	17.96	17.74	-0.36	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0511	17.7	17.8	17.75	-0.36	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0504	17.7	17.83	17.76	-0.34	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0505	17.51	18.03	17.77	-0.33	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	0674	17.8	17.8	17.8	-0.29	18	0.7094	90	7
004.07	Fiber, Crude (%)	ANKOM	0692	17.82	17.81	17.82	-0.27	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	2349	17.9	17.8	17.85	-0.22	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2476	18.167	17.632	17.9	-0.15	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	0968	18.05	17.77	17.91	-0.13	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2392	18.07	17.8	17.94	-0.10	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	0098	17.7	18.2	17.95	-0.08	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0066	17.91	18.01	17.96	-0.06	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2184	17.83	18.1	17.96	-0.05	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0034	18.02	17.92	17.97	-0.05	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2532	17.75	18.24	18	-0.01	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0581	17.84	18.24	18.04	0.05	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2181	18.04	18.05	18.04	0.06	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2434	18.06	18.06	18.06	0.08	18	0.7094	90	7
004.07	Fiber, Crude (%)	ANKOM	0870	18.0663	18.0788	18.07	0.10	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0354	17.9	18.3	18.1	0.14	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0876	18.2	18	18.1	0.14	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0553	18	18.22	18.11	0.15	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0918	18.49	17.77	18.13	0.18	18	0.7094	90	
004.00	Fiber, Crude (%)	Asbestos Free	0345	18.02	18.25	18.14	0.19	18	0.7094	90	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
004.06	Fiber, Crude (%)	Fibertec	0610	18.1	18.2	18.15	0.21	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0045	18.4	17.9	18.15	0.21	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2433	18.1065	18.2348	18.17	0.24	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	0038	18	18.4	18.2	0.28	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0693	18.1	18.3	18.2	0.28	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0510	18.3	18.2	18.25	0.35	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	0027	18.376	18.196	18.29	0.40	18	0.7094	90	
004.03	Fiber, Crude (%)	Fritted Glass	0353	18.08	18.51	18.3	0.41	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2326	18.28	18.32	18.3	0.42	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0009	18.24	18.39	18.32	0.44	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0242	17.86	18.84	18.35	0.49	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0294	18.47	18.25	18.36	0.50	18	0.7094	90	
004.00	Fiber, Crude (%)	Asbestos Free	0227	18.3	18.5	18.4	0.56	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0968	18.4	18.4	18.4	0.56	18	0.7094	90	7
004.07	Fiber, Crude (%)	ANKOM	0015	18.59	18.35	18.47	0.66	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0589	19.06	17.89	18.48	0.66	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0536	18.62	18.33	18.48	0.66	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0089	18.44	18.53	18.48	0.68	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2188	18.25	18.8	18.52	0.74	18	0.7094	90	
004.99	Fiber, Crude (%)	Miscellaneous	2129	17.9238	19.2549	18.59	0.83	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2457	18.58	18.6	18.59	0.83	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	2522	18.68	18.53	18.6	0.85	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0028	19.831	17.419	18.62	0.88	18	0.7094	90	1
004.07	Fiber, Crude (%)	ANKOM	0229	18.58	18.68	18.63	0.88	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0682	19.1	18.2	18.65	0.91	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0910	18.7	18.6	18.65	0.91	18	0.7094	90	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
004.07	Fiber, Crude (%)	ANKOM	0939	18.61	18.72	18.66	0.93	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0278	18.8	18.6	18.7	0.98	18	0.7094	90	
004.00	Fiber, Crude (%)	Asbestos Free	2531	18.74	18.68	18.71	1.00	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	0685	18.72	18.92	18.82	1.15	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0598	18.77	18.93	18.85	1.19	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0300	18.75	19.27	19.01	1.42	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	0720	19.02	19.09	19.06	1.48	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	2009	19.25	19.5343	19.39	1.96	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0529	19.76	19.1	19.43	2.01	18	0.7094	90	
004.00	Fiber, Crude (%)	Asbestos Free	0208	19.8	19.4	19.6	2.25	18	0.7094	90	
004.06	Fiber, Crude (%)	Fibertec	2465	19.67	19.66	19.66	2.34	18	0.7094	90	
004.99	Fiber, Crude (%)	Miscellaneous	2465	19.67	19.66	19.66	2.34	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0042	18.33	21.81	20.07	2.91	18	0.7094	90	1
004.07	Fiber, Crude (%)	ANKOM	0726	20.89	20.963	20.93	4.12	18	0.7094	90	
004.07	Fiber, Crude (%)	ANKOM	0520	20.03	23.1	21.56	5.02	18	0.7094	90	1

Ash (%)

005.11	Ash (%)	NIR	0610	6.6	6.55	6.575	-5.34	7.997	0.2663	108	
005.11	Ash (%)	NIR	0297	7.07	7.09	7.08	-3.44	7.997	0.2663	108	
005.11	Ash (%)	NIR	0047	7.2	7.12	7.16	-3.14	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2532	7.33	7.41	7.37	-2.36	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0953	7.62	7.56	7.59	-1.53	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0169	7.59	7.61	7.6	-1.49	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0539	7.63	7.64	7.635	-1.36	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0208	7.67	7.63	7.65	-1.30	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0598	7.63	7.68	7.655	-1.28	7.997	0.2663	108	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
005.00	Ash (%)	2h @ 600°C	0574	7.69	7.63	7.66	-1.27	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0505	7.68	7.64	7.66	-1.27	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0015	7.58	7.75	7.665	-1.25	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0042	7.63	7.7	7.665	-1.25	7.997	0.2663	108	
005.05	Ash (%)	3h @ 550°C	0692	7.74	7.64	7.69	-1.15	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2326	7.64	7.75	7.695	-1.13	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2433	7.7223	7.6885	7.705	-1.10	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2268	7.55	7.87	7.71	-1.08	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2188	7.72	7.76	7.74	-0.97	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0027	7.773	7.726	7.75	-0.93	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0682	7.76	7.75	7.755	-0.91	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2302	7.8	7.72	7.76	-0.89	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0186	7.74	7.82	7.78	-0.82	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2526	7.76	7.81	7.785	-0.80	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0148	7.82	7.77	7.795	-0.76	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0366	7.5	8.1	7.8	-0.74	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0956	7.8	7.8	7.8	-0.74	7.997	0.2663	108	7
005.00	Ash (%)	2h @ 600°C	0876	7.9	7.7	7.8	-0.74	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0918	7.85	7.75	7.8	-0.74	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0504	7.88	7.74	7.81	-0.70	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0358	7.76	7.9	7.83	-0.63	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0229	7.56	8.11	7.835	-0.61	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0968	7.85	7.85	7.85	-0.55	7.997	0.2663	108	7
005.00	Ash (%)	2h @ 600°C	0011	7.97	7.76	7.865	-0.50	7.997	0.2663	108	
005.05	Ash (%)	3h @ 550°C	2009	7.8517	7.8927	7.872	-0.47	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0278	7.77	8.01	7.89	-0.40	7.997	0.2663	108	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
005.00	Ash (%)	2h @ 600°C	2199	7.76	8.02	7.89	-0.40	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2457	7.71	8.08	7.895	-0.38	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2459	7.93	7.86	7.895	-0.38	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0242	7.8	8.01	7.905	-0.35	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0171	7.93	7.9	7.915	-0.31	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0089	7.92	7.92	7.92	-0.29	7.997	0.2663	108	7
005.00	Ash (%)	2h @ 600°C	2531	7.91	7.94	7.925	-0.27	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2349	8.02	7.85	7.935	-0.23	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2392	7.96	7.92	7.94	-0.21	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0001	7.909	7.98	7.944	-0.20	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2522	7.94	7.95	7.945	-0.20	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2476	7.988	7.918	7.953	-0.17	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0407	7.9265	7.9843	7.955	-0.16	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0685	7.86	8.06	7.96	-0.14	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0589	7.89	8.04	7.965	-0.12	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0870	7.8976	8.0507	7.974	-0.09	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2184	8.04	7.92	7.98	-0.06	7.997	0.2663	108	
005.05	Ash (%)	3h @ 550°C	2517	7.98	7.98	7.98	-0.06	7.997	0.2663	108	7
005.05	Ash (%)	3h @ 550°C	0726	7.98	7.98	7.98	-0.06	7.997	0.2663	108	7
005.00	Ash (%)	2h @ 600°C	0723	8.04	7.97	8.005	0.03	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0520	8.06	8.01	8.035	0.14	7.997	0.2663	108	
005.05	Ash (%)	3h @ 550°C	0294	8.06	8.01	8.035	0.14	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0035	8.04	8.04	8.04	0.16	7.997	0.2663	108	7
005.00	Ash (%)	2h @ 600°C	0083	8.04	8.05	8.045	0.18	7.997	0.2663	108	
005.03	Ash (%)	Microwave furnace	0511	8.3	7.8	8.05	0.20	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0033	8.1	8	8.05	0.20	7.997	0.2663	108	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
005.00	Ash (%)	2h @ 600°C	0853	8	8.1	8.05	0.20	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0529	8.06	8.05	8.055	0.22	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0563	8.0543	8.0601	8.057	0.23	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2434	8.04	8.08	8.06	0.24	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0964	8.247	7.89	8.068	0.27	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2322	8.05	8.09	8.07	0.27	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0297	7.96	8.18	8.07	0.27	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0553	8.12	8.03	8.075	0.29	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0227	8.18	7.98	8.08	0.31	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2076	8.035	8.1278	8.081	0.32	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0100	7.98	8.19	8.085	0.33	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0045	8.29	7.89	8.09	0.35	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0353	7.81	8.38	8.095	0.37	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0357	8.1	8.1	8.1	0.39	7.997	0.2663	108	7
005.00	Ash (%)	2h @ 600°C	2525	8.13	8.07	8.1	0.39	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0345	8.07	8.15	8.11	0.42	7.997	0.2663	108	
005.05	Ash (%)	3h @ 550°C	0643	8.13	8.104	8.117	0.45	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0108	8.29	7.95	8.12	0.46	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2196	8.13	8.13	8.13	0.50	7.997	0.2663	108	7
005.05	Ash (%)	3h @ 550°C	0066	8.14	8.17	8.155	0.59	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2506	8.16	8.16	8.16	0.61	7.997	0.2663	108	7
005.00	Ash (%)	2h @ 600°C	0144	8.1	8.22	8.16	0.61	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0354	8.13	8.21	8.17	0.65	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0098	8.2	8.14	8.17	0.65	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0038	8.14	8.22	8.18	0.69	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0948	8.22	8.16	8.19	0.72	7.997	0.2663	108	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
005.05	Ash (%)	3h @ 550°C	0034	8.22	8.25	8.235	0.89	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0019	7.9	8.6	8.25	0.95	7.997	0.2663	108	1
005.00	Ash (%)	2h @ 600°C	0693	8.3	8.2	8.25	0.95	7.997	0.2663	108	
005.05	Ash (%)	3h @ 550°C	2465	8.42	8.1	8.26	0.99	7.997	0.2663	108	
005.03	Ash (%)	Microwave furnace	2465	8.42	8.1	8.26	0.99	7.997	0.2663	108	
005.05	Ash (%)	3h @ 550°C	0610	8.26	8.33	8.295	1.12	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0674	8.3	8.3	8.3	1.14	7.997	0.2663	108	7
005.05	Ash (%)	3h @ 550°C	0939	8.33	8.33	8.33	1.25	7.997	0.2663	108	7
005.00	Ash (%)	2h @ 600°C	2453	8.3357	8.3429	8.339	1.28	7.997	0.2663	108	
005.05	Ash (%)	3h @ 550°C	2144	8.32	8.37	8.345	1.31	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	2181	8.38	8.32	8.35	1.32	7.997	0.2663	108	
005.99	Ash (%)	Miscellaneous	0202	8.27	8.46	8.365	1.38	7.997	0.2663	108	
005.05	Ash (%)	3h @ 550°C	2129	8.3916	8.3748	8.383	1.45	7.997	0.2663	108	
005.99	Ash (%)	Miscellaneous	0910	8.3	8.5	8.4	1.51	7.997	0.2663	108	
005.05	Ash (%)	3h @ 550°C	0720	8.49	8.45	8.47	1.78	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0650	8.04	8.96	8.5	1.89	7.997	0.2663	108	1
005.00	Ash (%)	2h @ 600°C	0541	8.32	8.7	8.51	1.93	7.997	0.2663	108	
005.99	Ash (%)	Miscellaneous	2319	8.5	8.6	8.55	2.08	7.997	0.2663	108	
005.05	Ash (%)	3h @ 550°C	0190	8.55	8.57	8.56	2.11	7.997	0.2663	108	
005.99	Ash (%)	Miscellaneous	0536	8.75	8.84	8.795	3.00	7.997	0.2663	108	
005.11	Ash (%)	NIR	0852	8.93	9.04	8.985	3.71	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0510	9.27	9.26	9.265	4.76	7.997	0.2663	108	
005.00	Ash (%)	2h @ 600°C	0226	9.42	9.6	9.51	5.68	7.997	0.2663	108	
005.05	Ash (%)	3h @ 550°C	0921	11.0611	10.8874	10.97	11.18	7.997	0.2663	108	2

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
<b>Total Sugars (%)</b>											
006.99	Total Sugars (%)	Miscellaneous	<b>0226</b>	3.55	3.58	<b>3.565</b>	<b>-1.69</b>	5.264	1.003	9	
006.99	Total Sugars (%)	Miscellaneous	<b>0852</b>	4.04	4.14	<b>4.09</b>	<b>-1.17</b>	5.264	1.003	9	
006.99	Total Sugars (%)	Miscellaneous	<b>0066</b>	4.76	5.38	<b>5.07</b>	<b>-0.19</b>	5.264	1.003	9	
006.00	Total Sugars (%)	As sucrose	<b>0407</b>	5.57	4.93	<b>5.25</b>	<b>-0.01</b>	5.264	1.003	9	
006.99	Total Sugars (%)	Miscellaneous	<b>0939</b>	5.09	5.66	<b>5.375</b>	<b>0.11</b>	5.264	1.003	9	
006.00	Total Sugars (%)	As sucrose	<b>0910</b>	5.05	5.97	<b>5.51</b>	<b>0.25</b>	5.264	1.003	9	
006.00	Total Sugars (%)	As sucrose	<b>2319</b>	5.8	5.8	<b>5.8</b>	<b>0.53</b>	5.264	1.003	9	7
006.01	Total Sugars (%)	Mod. Fehling Soln	<b>0038</b>	6.15	5.69	<b>5.92</b>	<b>0.65</b>	5.264	1.003	9	
006.99	Total Sugars (%)	Miscellaneous	<b>0956</b>	6.9	6.3	<b>6.6</b>	<b>1.33</b>	5.264	1.003	9	

<b>Fiber, Acid Detergent (%)</b>											
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	<b>2129</b>	18.8323	18.6736	<b>18.75</b>	<b>-3.39</b>	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	<b>0968</b>	20	20	<b>20</b>	<b>-2.33</b>	22.74	1.175	49	7
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	<b>0504</b>	20.36	20.37	<b>20.36</b>	<b>-2.02</b>	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	<b>2181</b>	20.83	20.28	<b>20.56</b>	<b>-1.86</b>	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	<b>0723</b>	21.34	21.18	<b>21.26</b>	<b>-1.26</b>	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	<b>0956</b>	21.4	21.4	<b>21.4</b>	<b>-1.14</b>	22.74	1.175	49	7
008.99	Fiber, Acid Detergent (%)	Miscellaneous	<b>0027</b>	21.345	21.549	<b>21.45</b>	<b>-1.10</b>	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	<b>0536</b>	21.57	21.5	<b>21.54</b>	<b>-1.02</b>	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	<b>0939</b>	21.7	21.54	<b>21.62</b>	<b>-0.95</b>	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	<b>0407</b>	21.6248	21.6558	<b>21.64</b>	<b>-0.93</b>	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	<b>0948</b>	21.41	21.99	<b>21.7</b>	<b>-0.88</b>	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	<b>0918</b>	21.39	22.01	<b>21.7</b>	<b>-0.88</b>	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	<b>2196</b>	21.79	21.79	<b>21.79</b>	<b>-0.81</b>	22.74	1.175	49	7

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	2433	22.1475	21.4795	21.81	-0.79	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0358	21.85	22.04	21.94	-0.67	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0870	21.6216	22.3938	22.01	-0.62	22.74	1.175	49	
008.02	Fiber, Acid Detergent (%)	Crucible	0948	22.01	22.09	22.05	-0.59	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0354	22.33	22.62	22.48	-0.22	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0278	22.5	22.7	22.6	-0.12	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	2457	23.39	22.03	22.71	-0.02	22.74	1.175	49	
008.99	Fiber, Acid Detergent (%)	Miscellaneous	0610	22.5	23	22.75	0.01	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0511	22.4	23.1	22.75	0.01	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	2326	22.58	22.93	22.76	0.01	22.74	1.175	49	
008.02	Fiber, Acid Detergent (%)	Crucible	0098	23.03	22.6	22.82	0.07	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0297	22.8	23	22.9	0.14	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0357	23.18	22.75	22.96	0.19	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0510	23	23	23	0.22	22.74	1.175	49	7
008.02	Fiber, Acid Detergent (%)	Crucible	0345	22.62	23.46	23.04	0.26	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0042	22.61	23.5	23.06	0.27	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0148	22.91	23.38	23.14	0.35	22.74	1.175	49	
008.02	Fiber, Acid Detergent (%)	Crucible	0674	23.2	23.2	23.2	0.39	22.74	1.175	49	7
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0682	23.3	23.1	23.2	0.39	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	2302	23.03	23.42	23.22	0.41	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0066	22.97	23.52	23.24	0.43	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0083	23.39	23.24	23.32	0.49	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0001	23.095	23.801	23.45	0.60	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0015	23.64	23.39	23.52	0.66	22.74	1.175	49	
008.02	Fiber, Acid Detergent (%)	Crucible	0964	23.075	24.031	23.55	0.69	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0294	23.34	23.85	23.6	0.73	22.74	1.175	49	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0693	23.8	23.6	23.7	0.82	22.74	1.175	49	
008.02	Fiber, Acid Detergent (%)	Crucible	0148	23.96	23.48	23.72	0.84	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0366	23.7	23.9	23.8	0.90	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0910	21.23	26.5	23.86	0.96	22.74	1.175	49	1
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0581	24.28	23.68	23.98	1.06	22.74	1.175	49	
008.02	Fiber, Acid Detergent (%)	Crucible	0226	24	24.18	24.09	1.15	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0045	24.3	24	24.15	1.20	22.74	1.175	49	
008.02	Fiber, Acid Detergent (%)	Crucible	0353	24.67	23.74	24.2	1.25	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0227	24.3	24.6	24.45	1.46	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0190	24.73	24.5	24.62	1.60	22.74	1.175	49	
008.08	Fiber, Acid Detergent (%)	Filter Bag - ANKOM	0726	24.73	24.5	24.62	1.60	22.74	1.175	49	

**Fiber, Neutral Detergent (%)**

009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	2129	30.6274	31.33	30.98	-3.73	35.99	1.344	44	
009.07	Fiber, Neutral Detergent (%)	AOAC -ENZ Pretreat	0910	32.5	32.9	32.7	-2.45	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	0407	32.8478	33.6081	33.23	-2.05	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	0504	33.68	33.98	33.83	-1.61	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	0682	34.8	34.9	34.85	-0.85	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	0536	34.79	35.1	34.94	-0.78	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	2433	35.1154	34.7914	34.95	-0.77	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	0968	34.96	34.96	34.96	-0.77	35.99	1.344	44	7
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	2196	35	35	35	-0.74	35.99	1.344	44	7
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	0948	34.88	35.16	35.02	-0.72	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	0358	35.49	34.58	35.04	-0.71	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	0015	35.64	34.52	35.08	-0.68	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	0278	35.2	35.2	35.2	-0.59	35.99	1.344	44	7

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0956	35.2	35.4	35.3	-0.51	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0598	35.39	35.4	35.4	-0.44	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0148	35.82	35.12	35.47	-0.39	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0939	35.61	35.33	35.47	-0.39	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0918	35.465	35.53	35.5	-0.37	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		2302	35.62	35.38	35.5	-0.36	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0723	35.54	35.6	35.57	-0.31	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0870	35.5891	35.6603	35.62	-0.27	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0354	35.56	35.7	35.63	-0.27	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0045	35.6	35.8	35.7	-0.21	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0581	34.89	36.61	35.75	-0.18	35.99	1.344	44	1
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0294	35.15	36.5	35.82	-0.12	35.99	1.344	44	
009.07	Fiber, Neutral Detergent (%) AOAC -ENZ Pretreat		0948	35.76	35.98	35.87	-0.09	35.99	1.344	44	
009.07	Fiber, Neutral Detergent (%) AOAC -ENZ Pretreat		0098	35.8	36	35.9	-0.07	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0083	36.2	36.31	36.26	0.20	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0510	36.2	36.4	36.3	0.23	35.99	1.344	44	
009.07	Fiber, Neutral Detergent (%) AOAC -ENZ Pretreat		0353	36.26	36.45	36.36	0.27	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		2457	36.4	36.8	36.6	0.46	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0066	37.05	36.58	36.82	0.62	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0227	37.1	36.7	36.9	0.68	35.99	1.344	44	
009.07	Fiber, Neutral Detergent (%) AOAC -ENZ Pretreat		0964	37.621	36.212	36.92	0.69	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		2326	37.17	36.9	37.04	0.78	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0357	37.2	37.27	37.24	0.93	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0366	37.2	37.5	37.35	1.01	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0693	38	36.8	37.4	1.05	35.99	1.344	44	
009.09	Fiber, Neutral Detergent (%) Filter Bag - ANKOM		0726	37.43	37.6	37.52	1.14	35.99	1.344	44	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	0190	37.43	37.6	37.52	1.14	35.99	1.344	44	
009.07	Fiber, Neutral Detergent (%)	AOAC -ENZ Pretreat	0226	37.71	37.87	37.79	1.34	35.99	1.344	44	
009.07	Fiber, Neutral Detergent (%)	AOAC -ENZ Pretreat	0610	37.8	37.8	37.8	1.35	35.99	1.344	44	7
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	0297	38.4	38.8	38.6	1.94	35.99	1.344	44	
009.07	Fiber, Neutral Detergent (%)	AOAC -ENZ Pretreat	0674	38.95	38.95	38.95	2.20	35.99	1.344	44	7
009.09	Fiber, Neutral Detergent (%)	Filter Bag - ANKOM	2181	40.34	40.7	40.52	3.37	35.99	1.344	44	

**Moisture (%)**

010.99	Moisture (%)	Miscellaneous	2129	7.6743	7.3873	7.531	-4.33	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	0852	9.01	9.33	9.17	-1.05	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	0964	9.046	9.373	9.21	-0.98	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	0019	9.505	8.995	9.25	-0.89	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	2465	9.39	9.28	9.335	-0.72	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	0939	9.42	9.32	9.37	-0.65	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	0948	9.4	9.4	9.4	-0.59	9.697	0.4999	22	7
010.99	Moisture (%)	Miscellaneous	2525	9.47	9.37	9.42	-0.55	9.697	0.4999	22	
010.11	Moisture (%)	NIR	0047	9.48	9.5	9.49	-0.41	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	0034	9.63	9.49	9.56	-0.27	9.697	0.4999	22	
010.03	Moisture (%)	Karl-Fischer	0227	9.6	9.52	9.56	-0.27	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	0692	9.61	9.53	9.57	-0.25	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	2150	9.83	9.79	9.81	0.23	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	2076	9.75	9.92	9.835	0.28	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	2506	9.83	9.88	9.855	0.32	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	0726	9.98	9.89	9.935	0.48	9.697	0.4999	22	
010.11	Moisture (%)	NIR	0610	10	10	10	0.61	9.697	0.4999	22	7
010.99	Moisture (%)	Miscellaneous	0011	10.04	9.97	10	0.62	9.697	0.4999	22	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
010.99	Moisture (%)	Miscellaneous	0190	10.33	10.36	10.34	1.30	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	2066	10.39	10.36	10.38	1.36	9.697	0.4999	22	
010.99	Moisture (%)	Miscellaneous	2476	10.743	10.618	10.68	1.97	9.697	0.4999	22	
010.11	Moisture (%)	NIR	0852	11.5	11.39	11.44	3.50	9.697	0.4999	22	

**Loss on Drying (%)**

011.01	Loss on Drying (%)	135°C 2hr	2199	8.48	9.03	8.755	-4.83	10.45	0.3519	58	
011.99	Loss on Drying (%)	High Temp. Methods Miscellaneous	0852	9.01	9.33	9.17	-3.65	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2200	9.7	9	9.35	-3.14	10.45	0.3519	58	1
011.01	Loss on Drying (%)	135°C 2hr	2322	9.3	9.42	9.36	-3.11	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0553	9.5	9.46	9.48	-2.77	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2326	9.75	9.41	9.58	-2.48	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2181	9.64	9.73	9.685	-2.19	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2457	9.72	9.74	9.73	-2.06	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0563	9.888	9.8241	9.856	-1.70	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2522	9.94	9.9	9.92	-1.52	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2531	10.03	10.02	10.02	-1.22	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0066	10.17	10.24	10.2	-0.71	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0723	10.25	10.16	10.2	-0.71	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0226	10.26	10.19	10.22	-0.65	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0953	10.33	10.15	10.24	-0.61	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2434	10.26	10.29	10.28	-0.51	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0171	10.25	10.32	10.28	-0.48	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0294	10.3	10.28	10.29	-0.47	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0108	10.33	10.26	10.3	-0.45	10.45	0.3519	58	
011.02	Loss on Drying (%)	130°C for 2 hours	0942	10.25	10.38	10.32	-0.40	10.45	0.3519	58	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
011.01	Loss on Drying (%)	135°C 2hr	2066	10.36	10.32	10.34	-0.32	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2302	10.32	10.42	10.37	-0.24	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0100	10.47	10.31	10.39	-0.18	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0208	10.4	10.4	10.4	-0.15	10.45	0.3519	58	7
011.01	Loss on Drying (%)	135°C 2hr	0511	10.35	10.49	10.42	-0.10	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0682	10.52	10.33	10.42	-0.08	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2268	10.29	10.57	10.43	-0.07	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0354	10.46	10.41	10.44	-0.05	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0144	10.47	10.43	10.45	-0.01	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0685	10.4	10.6	10.5	0.13	10.45	0.3519	58	
011.02	Loss on Drying (%)	130°C for 2 hours	0529	10.69	10.33	10.51	0.16	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0536	10.53	10.51	10.52	0.19	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2196	10.55	10.55	10.55	0.27	10.45	0.3519	58	7
011.01	Loss on Drying (%)	135°C 2hr	2453	10.4475	10.6551	10.55	0.28	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0643	10.54	10.567	10.55	0.28	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2184	10.58	10.54	10.56	0.30	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0618	10.64	10.55	10.6	0.40	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0098	10.56	10.64	10.6	0.41	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2532	10.46	10.82	10.64	0.53	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0539	10.69	10.59	10.64	0.53	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0574	10.64	10.65	10.64	0.54	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0229	10.59	10.7	10.64	0.54	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0598	10.62	10.67	10.64	0.54	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0589	10.76	10.53	10.64	0.54	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0510	10.6	10.7	10.65	0.56	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0300	10.54	10.77	10.66	0.57	10.45	0.3519	58	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
011.01	Loss on Drying (%)	135°C 2hr	2433	10.8229	10.5447	10.68	0.65	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0520	10.74	10.71	10.72	0.77	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0968	10.74	10.74	10.74	0.81	10.45	0.3519	58	7
011.01	Loss on Drying (%)	135°C 2hr	0948	10.69	10.8	10.74	0.83	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0541	10.6	10.94	10.77	0.90	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2459	10.69	10.94	10.82	1.03	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0870	10.7628	10.879	10.82	1.04	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0242	10.81	10.89	10.85	1.13	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0407	10.8454	10.9106	10.88	1.20	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0227	10.73	11.14	10.94	1.37	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	0674	10.95	10.95	10.95	1.41	10.45	0.3519	58	7
011.01	Loss on Drying (%)	135°C 2hr	2526	11.5	11.1	11.3	2.40	10.45	0.3519	58	
011.01	Loss on Drying (%)	135°C 2hr	2188	12.01	12.12	12.06	4.58	10.45	0.3519	58	

**Starch (%)**

012.03	Starch (%)	Enzymatic-Colorimetric Method,	0407	10.338	10.975	10.66	-1.64	13.66	1.832	32	
012.01	Starch (%)	Enzymatic-Colorimetric Method	0407	11.0241	11.3609	11.19	-1.35	13.66	1.832	32	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	2129	11.1194	11.3823	11.25	-1.31	13.66	1.832	32	
012.01	Starch (%)	Enzymatic-Colorimetric Method	0227	11.7	11.1	11.4	-1.23	13.66	1.832	32	
012.01	Starch (%)	Enzymatic-Colorimetric Method	0910	11.2	11.6	11.4	-1.23	13.66	1.832	32	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	0510	11.4	11.4	11.4	-1.23	13.66	1.832	32	7
012.04	Starch (%)	Enzymatic-Enzyme Membrane	0278	12.3	12.2	12.25	-0.77	13.66	1.832	32	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	0226	12.62	12.44	12.53	-0.62	13.66	1.832	32	
012.20	Starch (%)	Dietary, Enzymatic-Colorimetric	0353	12.51	12.78	12.64	-0.55	13.66	1.832	32	
012.01	Starch (%)	Enzymatic-Colorimetric Method	0956	12.8	12.6	12.7	-0.52	13.66	1.832	32	
012.03	Starch (%)	Enzymatic-Colorimetric Method,	0297	12.9	13.11	13	-0.36	13.66	1.832	32	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
012.01	Starch (%)	Enzymatic-Colorimetric Method	0870	13.3256	12.8635	13.09	-0.31	13.66	1.832	32	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	0045	12.8	13.4	13.1	-0.31	13.66	1.832	32	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	0948	13.19	13.2	13.2	-0.25	13.66	1.832	32	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	0693	13.8	13	13.4	-0.14	13.66	1.832	32	
012.01	Starch (%)	Enzymatic-Colorimetric Method	0148	13.36	13.59	13.48	-0.10	13.66	1.832	32	
012.00	Starch (%)	Polarimetric (Ewers)	2319	13.7	13.6	13.65	0.00	13.66	1.832	32	
012.99	Starch (%)	Miscellaneous	0066	13.91	13.84	13.88	0.12	13.66	1.832	32	
012.01	Starch (%)	Enzymatic-Colorimetric Method	0366	14	14	14	0.19	13.66	1.832	32	7
012.00	Starch (%)	Polarimetric (Ewers)	0723	14.33	14.33	14.33	0.37	13.66	1.832	32	7
012.01	Starch (%)	Enzymatic-Colorimetric Method	0171	14.8	14.3	14.55	0.49	13.66	1.832	32	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	0098	15	14.3	14.65	0.54	13.66	1.832	32	
012.00	Starch (%)	Polarimetric (Ewers)	2196	14.74	14.74	14.74	0.59	13.66	1.832	32	7
012.00	Starch (%)	Polarimetric (Ewers)	0610	14.9	14.8	14.85	0.65	13.66	1.832	32	
012.00	Starch (%)	Polarimetric (Ewers)	2181	15.22	14.89	15.06	0.76	13.66	1.832	32	
012.00	Starch (%)	Polarimetric (Ewers)	0910	16.2	14	15.1	0.79	13.66	1.832	32	1
012.00	Starch (%)	Polarimetric (Ewers)	0227	15.4	15.2	15.3	0.90	13.66	1.832	32	
012.00	Starch (%)	Polarimetric (Ewers)	0354	15.39	15.5	15.44	0.98	13.66	1.832	32	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	0208	15.4	15.6	15.5	1.01	13.66	1.832	32	
012.04	Starch (%)	Enzymatic-Enzyme Membrane	0674	15.69	15.69	15.69	1.11	13.66	1.832	32	7
012.11	Starch (%)	NIR	0297	15.67	15.71	15.69	1.11	13.66	1.832	32	
012.00	Starch (%)	Polarimetric (Ewers)	0939	16.58	16.52	16.55	1.58	13.66	1.832	32	
012.11	Starch (%)	NIR	0852	26.05	25.85	25.95	6.71	13.66	1.832	32	

**Fat, Pretreat (%)**

013.08	Fat, Pretreat (%)	Roese-Gottlieb Modified	0618	4.13	3.33	3.73	-3.62	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	0618	4.56	3.2	3.88	-3.39	6.1	0.654	45	1

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0870	4.8649	4.967	4.916	-1.81	6.1	0.654	45	
013.10	Fat, Pretreat (%)	Soxtec-Acid Hydrolysis	2268	4.94	5.07	5.005	-1.67	6.1	0.654	45	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0563	5.2155	5.4028	5.309	-1.21	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	0229	5.49	5.38	5.435	-1.02	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	0297	5.33	5.6	5.465	-0.97	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	0242	5.39	5.54	5.465	-0.97	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	2181	5.65	5.29	5.47	-0.96	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	2076	5.5006	5.5019	5.501	-0.92	6.1	0.654	45	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	0036	5.431	5.6752	5.553	-0.84	6.1	0.654	45	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0098	5.55	5.73	5.64	-0.70	6.1	0.654	45	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	0581	5.66	5.71	5.685	-0.63	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	2144	5.66	5.87	5.765	-0.51	6.1	0.654	45	
013.10	Fat, Pretreat (%)	Soxtec-Acid Hydrolysis	2196	5.79	5.79	5.79	-0.47	6.1	0.654	45	7
013.10	Fat, Pretreat (%)	Soxtec-Acid Hydrolysis	0610	5.75	5.83	5.79	-0.47	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	0650	5.57	6.2	5.885	-0.33	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	0541	5.96	5.83	5.895	-0.31	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	2319	5.9	5.9	5.9	-0.31	6.1	0.654	45	7
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0208	5.87	5.95	5.91	-0.29	6.1	0.654	45	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	0939	6	5.93	5.965	-0.21	6.1	0.654	45	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0964	6	5.93	5.965	-0.21	6.1	0.654	45	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	0968	5.94	6.02	5.98	-0.18	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	0910	6.08	5.95	6.015	-0.13	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	0083	6.03	6.01	6.02	-0.12	6.1	0.654	45	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	0354	5.97	6.25	6.11	0.02	6.1	0.654	45	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	0027	6.0651	6.1746	6.12	0.03	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	0948	6.18	6.15	6.165	0.10	6.1	0.654	45	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0045	6.1	6.29	6.195	0.15	6.1	0.654	45	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	2129	6.3087	6.1389	6.224	0.19	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	0853	6.5	6.2	6.35	0.38	6.1	0.654	45	
013.10	Fat, Pretreat (%)	Soxtec-Acid Hydrolysis	0353	6.39	6.36	6.375	0.42	6.1	0.654	45	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	2433	6.4321	6.3534	6.393	0.45	6.1	0.654	45	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	2302	6.42	6.51	6.465	0.56	6.1	0.654	45	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0066	6.16	6.94	6.55	0.69	6.1	0.654	45	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0148	6.34	6.81	6.575	0.73	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	0202	6.28	6.87	6.575	0.73	6.1	0.654	45	
013.10	Fat, Pretreat (%)	Soxtec-Acid Hydrolysis	2349	6.73	6.64	6.685	0.89	6.1	0.654	45	
013.00	Fat, Pretreat (%)	Acid hydrolysis	2150	6.84	6.74	6.79	1.05	6.1	0.654	45	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0227	6.79	6.89	6.84	1.13	6.1	0.654	45	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0407	7.165	6.69	6.928	1.27	6.1	0.654	45	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	0643	7.022	7.209	7.116	1.55	6.1	0.654	45	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0553	7.1	7.2	7.15	1.61	6.1	0.654	45	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0682	7.15	7.5	7.325	1.87	6.1	0.654	45	
013.02	Fat, Pretreat (%)	Mojonnier, Bak Ext	0693	7.2	7.5	7.35	1.91	6.1	0.654	45	
013.13	Fat, Pretreat (%)	Ankom- Acid Hydrolysis	0407	7.14	7.6191	7.38	1.96	6.1	0.654	45	

**Fiber, Total Dietary (%)**

014.02	Fiber, Total Dietary (%)	ANKOM Enz-Grav	0208	41.9	42.3	42.1					
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**Aluminum (ppm)**

015.42	Aluminum (ppm)	ICP, Open vessel	0692	70	71	70.5	-6.48	239.6	26.07	14	
015.43	Aluminum (ppm)	ICP, Microwave	0510	210	211	210.5	-1.11	239.6	26.07	14	
015.41	Aluminum (ppm)	ICP, Dry ash	0407	208.545	214.192	211.4	-1.08	239.6	26.07	14	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
015.41	Aluminum (ppm)	ICP, Dry ash	0520	222.924	231.685	227.3	-0.47	239.6	26.07	14	
015.53	Aluminum (ppm)	ICP-MS, Microwave	0939	233	222	227.5	-0.46	239.6	26.07	14	
015.43	Aluminum (ppm)	ICP, Microwave	0407	226.558	243.121	234.8	-0.18	239.6	26.07	14	
015.43	Aluminum (ppm)	ICP, Microwave	0353	236	234	235	-0.18	239.6	26.07	14	
015.41	Aluminum (ppm)	ICP, Dry ash	0227	238	242	240	0.02	239.6	26.07	14	
015.43	Aluminum (ppm)	ICP, Microwave	0297	241	247	244	0.17	239.6	26.07	14	
015.43	Aluminum (ppm)	ICP, Microwave	0226	258.63	257.77	258.2	0.71	239.6	26.07	14	
015.53	Aluminum (ppm)	ICP-MS, Microwave	0407	256.899	262.982	259.9	0.78	239.6	26.07	14	
015.42	Aluminum (ppm)	ICP, Open vessel	2129	273.3	249.2	261.2	0.83	239.6	26.07	14	
015.43	Aluminum (ppm)	ICP, Microwave	2481	267.06	268.08	267.6	1.07	239.6	26.07	14	
015.43	Aluminum (ppm)	ICP, Microwave	0964	278	274	276	1.40	239.6	26.07	14	

**Boron (ppm)**

017.43	Boron (ppm)	ICP, Microwave	0297	7	7	7	-6.69	16.29	1.39	17	7
017.43	Boron (ppm)	ICP, Microwave	0510	14	14	14	-1.65	16.29	1.39	17	7
017.43	Boron (ppm)	ICP, Microwave	0083	15.19	14.76	14.98	-0.95	16.29	1.39	17	
017.42	Boron (ppm)	ICP, Open vessel	0693	15	15	15	-0.93	16.29	1.39	17	7
017.42	Boron (ppm)	ICP, Open vessel	0045	16.4	15.5	15.95	-0.25	16.29	1.39	17	
017.43	Boron (ppm)	ICP, Microwave	0407	15.7949	16.2419	16.02	-0.20	16.29	1.39	17	
017.52	Boron (ppm)	ICP-MS, Open vessel	0096	15.903	16.1931	16.05	-0.18	16.29	1.39	17	
017.41	Boron (ppm)	ICP, Dry ash	0407	15.6909	16.5189	16.1	-0.14	16.29	1.39	17	
017.41	Boron (ppm)	ICP, Dry ash	0358	16.76	15.87	16.32	0.01	16.29	1.39	17	
017.43	Boron (ppm)	ICP, Microwave	0226	16.51	16.53	16.52	0.16	16.29	1.39	17	
017.53	Boron (ppm)	ICP-MS, Microwave	0407	16.0385	17.0866	16.56	0.19	16.29	1.39	17	
017.41	Boron (ppm)	ICP, Dry ash	0226	16.79	16.7	16.74	0.32	16.29	1.39	17	
017.41	Boron (ppm)	ICP, Dry ash	0229	17.01	16.83	16.92	0.45	16.29	1.39	17	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
017.43	Boron (ppm)	ICP, Microwave	0918	17.54	16.81	17.18	0.63	16.29	1.39	17	
017.43	Boron (ppm)	ICP, Microwave	0353	18	17	17.5	0.87	16.29	1.39	17	
017.42	Boron (ppm)	ICP, Open vessel	0294	19.16	20.34	19.75	2.49	16.29	1.39	17	
017.42	Boron (ppm)	ICP, Open vessel	2129	24.13	22.05	23.09	4.89	16.29	1.39	17	

**Calcium (%)**

019.43	Calcium (%)	ICP, Microwave	0345	0.744	0.742	0.743	-4.73	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0009	0.9277	0.8518	0.8898	-2.19	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0910	0.91	0.89	0.9	-2.01	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0066	0.925	0.918	0.9215	-1.63	1.016	0.0577	110	
019.31	Calcium (%)	AAS, Dry ash	2453	0.92	0.93	0.925	-1.57	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0018	0.891	0.966	0.9285	-1.51	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0036	0.9274	0.9436	0.9355	-1.39	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0357	0.9344	0.9424	0.9384	-1.34	1.016	0.0577	110	
019.52	Calcium (%)	ICP-MS, Open vessel	0154	0.9284	0.9665	0.9474	-1.18	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0089	0.9534	0.9451	0.9492	-1.15	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0096	0.8945	1.004	0.9492	-1.15	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0870	0.9342	0.9686	0.9514	-1.12	1.016	0.0577	110	
019.31	Calcium (%)	AAS, Dry ash	0536	0.95	0.96	0.955	-1.05	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	2433	0.94	0.975	0.9575	-1.01	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0685	0.94	0.98	0.96	-0.97	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0511	0.96	0.96	0.96	-0.97	1.016	0.0577	110	7
019.31	Calcium (%)	AAS, Dry ash	0939	0.95	0.97	0.96	-0.97	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0870	0.9609	0.9676	0.9642	-0.89	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0229	0.97	0.96	0.965	-0.88	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0682	0.92	1.01	0.965	-0.88	1.016	0.0577	110	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
019.43	Calcium (%)	ICP, Microwave	2481	0.97	0.96	0.965	-0.88	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0300	0.95	0.983	0.9665	-0.85	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0520	0.9602	0.9782	0.9692	-0.81	1.016	0.0577	110	
019.53	Calcium (%)	ICP-MS, Microwave	0939	0.98	0.96	0.97	-0.79	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0693	0.99	0.95	0.97	-0.79	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	2326	0.959	0.984	0.9715	-0.77	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0019	0.945	1.005	0.975	-0.71	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0504	0.944	1.01	0.977	-0.67	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0202	0.944	1.01	0.977	-0.67	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0226	0.98	0.98	0.98	-0.62	1.016	0.0577	110	7
019.41	Calcium (%)	ICP, Dry ash	0674	0.98	0.98	0.98	-0.62	1.016	0.0577	110	7
019.53	Calcium (%)	ICP-MS, Microwave	0553	1	0.961	0.9805	-0.61	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	2319	0.9618	1.0031	0.9824	-0.58	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0001	0.987	0.984	0.9855	-0.52	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0668	0.9529	1.0239	0.9884	-0.47	1.016	0.0577	110	
019.44	Calcium (%)	ICP, Dry ash	0098	1	0.98	0.99	-0.45	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0297	0.97	1.01	0.99	-0.45	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0692	0.98	1	0.99	-0.45	1.016	0.0577	110	
019.31	Calcium (%)	AAS, Dry ash	0687	1.06	0.92	0.99	-0.45	1.016	0.0577	110	
019.31	Calcium (%)	AAS, Dry ash	0948	0.99	0.99	0.99	-0.45	1.016	0.0577	110	7
019.43	Calcium (%)	ICP, Microwave	0354	0.993	0.992	0.9925	-0.40	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0144	1	0.99	0.995	-0.36	1.016	0.0577	110	
019.44	Calcium (%)	ICP, Dry ash	0227	0.944	1.05	0.997	-0.33	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0598	0.9966	0.9978	0.9972	-0.32	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0226	1.01	0.99	1	-0.27	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0510	1	1	1	-0.27	1.016	0.0577	110	7

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
019.41	Calcium (%)	ICP, Dry ash	0208	0.9759	1.027	1.001	-0.25	1.016	0.0577	110	
019.31	Calcium (%)	AAS, Dry ash	0001	1.007	0.9964	1.002	-0.24	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0610	1	1.01	1.005	-0.19	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0723	1.01	1.001	1.006	-0.18	1.016	0.0577	110	
019.08	Calcium (%)	EDTA	2009	1.0055	1.006	1.006	-0.17	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0027	1.0085	1.0038	1.006	-0.17	1.016	0.0577	110	
019.31	Calcium (%)	AAS, Dry ash	2196	1.01	1.01	1.01	-0.10	1.016	0.0577	110	7
019.08	Calcium (%)	EDTA	2506	1.03	0.99	1.01	-0.10	1.016	0.0577	110	
019.08	Calcium (%)	EDTA	2188	1.01	1.01	1.01	-0.10	1.016	0.0577	110	7
019.43	Calcium (%)	ICP, Microwave	0876	1.006	1.022	1.014	-0.03	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	2476	1.004	1.025	1.014	-0.02	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0278	1	1.03	1.015	-0.01	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0358	1.01	1.02	1.015	-0.01	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0968	1.01	1.023	1.016	0.01	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0098	1.02	1.02	1.02	0.07	1.016	0.0577	110	7
019.31	Calcium (%)	AAS, Dry ash	0038	1.01	1.03	1.02	0.07	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0148	1.03	1.01	1.02	0.07	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0045	1.05	0.997	1.024	0.13	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0407	1.0169	1.0346	1.026	0.17	1.016	0.0577	110	
019.52	Calcium (%)	ICP-MS, Open vessel	0186	1.0305	1.029	1.03	0.24	1.016	0.0577	110	
019.08	Calcium (%)	EDTA	2525	1.03	1.03	1.03	0.25	1.016	0.0577	110	7
019.08	Calcium (%)	EDTA	2196	1.03	1.03	1.03	0.25	1.016	0.0577	110	7
019.42	Calcium (%)	ICP, Open vessel	0294	1.04	1.02	1.03	0.25	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0171	1.04	1.02	1.03	0.25	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0964	1.0205	1.0452	1.033	0.30	1.016	0.0577	110	
019.31	Calcium (%)	AAS, Dry ash	0529	1.03	1.04	1.035	0.33	1.016	0.0577	110	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
019.41	Calcium (%)	ICP, Dry ash	0407	1.0025	1.0741	1.038	0.39	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0028	1.066	1.012	1.039	0.40	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0505	1.033	1.046	1.04	0.41	1.016	0.0577	110	
019.99	Calcium (%)	Miscellaneous	0242	1.05	1.03	1.04	0.42	1.016	0.0577	110	
019.08	Calcium (%)	EDTA	2434	1.04	1.04	1.04	0.42	1.016	0.0577	110	7
019.43	Calcium (%)	ICP, Microwave	0083	1.03	1.05	1.04	0.42	1.016	0.0577	110	
019.99	Calcium (%)	Miscellaneous	2302	1.02	1.06	1.04	0.42	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0043	1.0427	1.05	1.046	0.53	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0186	1.0551	1.0417	1.048	0.57	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0011	1.08	1.02	1.05	0.59	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0033	1.06	1.04	1.05	0.59	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0366	1.06	1.04	1.05	0.59	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0010	1.02	1.08	1.05	0.59	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0035	1.06	1.05	1.055	0.68	1.016	0.0577	110	
019.08	Calcium (%)	EDTA	2526	1.01	1.1	1.055	0.68	1.016	0.0577	110	
019.52	Calcium (%)	ICP-MS, Open vessel	0096	1.0567	1.056	1.056	0.70	1.016	0.0577	110	
019.99	Calcium (%)	Miscellaneous	0100	1.05	1.07	1.06	0.77	1.016	0.0577	110	
019.08	Calcium (%)	EDTA	2200	1.03	1.1	1.065	0.85	1.016	0.0577	110	
019.52	Calcium (%)	ICP-MS, Open vessel	0560	1.077	1.058	1.068	0.90	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0035	1.06	1.08	1.07	0.94	1.016	0.0577	110	
019.08	Calcium (%)	EDTA	2392	1.08	1.06	1.07	0.94	1.016	0.0577	110	
019.31	Calcium (%)	AAS, Dry ash	0563	1.0969	1.0642	1.081	1.12	1.016	0.0577	110	
019.32	Calcium (%)	AAS, Open vessel	0169	1.09	1.1	1.095	1.37	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0353	1.08	1.11	1.095	1.37	1.016	0.0577	110	
019.43	Calcium (%)	ICP, Microwave	0918	1.102	1.106	1.104	1.53	1.016	0.0577	110	
019.53	Calcium (%)	ICP-MS, Microwave	0407	1.102	1.1066	1.104	1.54	1.016	0.0577	110	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
019.42	Calcium (%)	ICP, Open vessel	0042	1.11	1.11	1.11	1.63	1.016	0.0577	110	7
019.43	Calcium (%)	ICP, Microwave	2532	1.11	1.12	1.115	1.72	1.016	0.0577	110	
019.41	Calcium (%)	ICP, Dry ash	0720	1.1	1.17	1.135	2.07	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0190	1.14	1.14	1.14	2.15	1.016	0.0577	110	7
019.31	Calcium (%)	AAS, Dry ash	2188	1.15	1.15	1.15	2.33	1.016	0.0577	110	7
019.99	Calcium (%)	Miscellaneous	2517	1.2	1.22	1.21	3.37	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	2129	1.255	1.172	1.214	3.43	1.016	0.0577	110	
019.42	Calcium (%)	ICP, Open vessel	0726	1.28	1.2	1.24	3.89	1.016	0.0577	110	
019.00	Calcium (%)	Ox-Mn04 Vol.	2453	1.2925	1.3154	1.304	5.00	1.016	0.0577	110	
019.99	Calcium (%)	Miscellaneous	2465	1.54	1.13	1.335	5.54	1.016	0.0577	110	1
019.99	Calcium (%)	Miscellaneous	0852	1.26	1.41	1.335	5.54	1.016	0.0577	110	
019.31	Calcium (%)	AAS, Dry ash	0108	1.44	1.32	1.38	6.32	1.016	0.0577	110	
019.00	Calcium (%)	Ox-Mn04 Vol.	2181	1.53	1.55	1.54	9.09	1.016	0.0577	110	

**Cobalt (ppm)**

021.52	Cobalt (ppm)	ICP-MS, Open vessel	0910	0.87	0.96	0.915	-3.05	3.985	1.007	29	
021.52	Cobalt (ppm)	ICP-MS, Open vessel	0096	1.2351	1.3157	1.275	-2.69	3.985	1.007	29	
021.42	Cobalt (ppm)	ICP, Open vessel	0693	1.74	1.5	1.62	-2.35	3.985	1.007	29	
021.52	Cobalt (ppm)	ICP-MS, Open vessel	0560	1.88	1.68	1.78	-2.19	3.985	1.007	29	
021.42	Cobalt (ppm)	ICP, Open vessel	0045	1.95	1.95	1.95	-2.02	3.985	1.007	29	7
021.43	Cobalt (ppm)	ICP, Microwave	0682	1.8	4.2	3	-0.98	3.985	1.007	29	1
021.42	Cobalt (ppm)	ICP, Open vessel	0366	3	3	3	-0.98	3.985	1.007	29	7
021.43	Cobalt (ppm)	ICP, Microwave	0297	3	3	3	-0.98	3.985	1.007	29	7
021.43	Cobalt (ppm)	ICP, Microwave	2326	3.37	3.73	3.55	-0.43	3.985	1.007	29	
021.52	Cobalt (ppm)	ICP-MS, Open vessel	0186	3.86	3.58	3.72	-0.26	3.985	1.007	29	
021.53	Cobalt (ppm)	ICP-MS, Microwave	0553	3.41	4.26	3.835	-0.15	3.985	1.007	29	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
021.43	Cobalt (ppm)	ICP, Microwave	0226	4.04	4.03	4.035	0.05	3.985	1.007	29	
021.41	Cobalt (ppm)	ICP, Dry ash	0227	4.2	3.99	4.095	0.11	3.985	1.007	29	
021.43	Cobalt (ppm)	ICP, Microwave	0964	4.11	4.12	4.115	0.13	3.985	1.007	29	
021.41	Cobalt (ppm)	ICP, Dry ash	0407	4.0674	4.2923	4.18	0.19	3.985	1.007	29	
021.31	Cobalt (ppm)	AAS, Dry ash	0939	4.25	4.18	4.215	0.23	3.985	1.007	29	
021.43	Cobalt (ppm)	ICP, Microwave	0169	4.22	4.33	4.275	0.29	3.985	1.007	29	
021.43	Cobalt (ppm)	ICP, Microwave	0968	4.298	4.291	4.294	0.31	3.985	1.007	29	
021.43	Cobalt (ppm)	ICP, Microwave	0407	4.3169	4.4613	4.389	0.40	3.985	1.007	29	
021.41	Cobalt (ppm)	ICP, Dry ash	0066	4.35	4.537	4.444	0.45	3.985	1.007	29	
021.99	Cobalt (ppm)	Miscellaneous	2517	5	4	4.5	0.51	3.985	1.007	29	
021.53	Cobalt (ppm)	ICP-MS, Microwave	0033	4.4	4.68	4.54	0.55	3.985	1.007	29	
021.43	Cobalt (ppm)	ICP, Microwave	2476	4.973	4.145	4.559	0.57	3.985	1.007	29	
021.43	Cobalt (ppm)	ICP, Microwave	0510	4.56	4.58	4.57	0.58	3.985	1.007	29	
021.53	Cobalt (ppm)	ICP-MS, Microwave	0407	4.3503	4.9162	4.633	0.64	3.985	1.007	29	
021.43	Cobalt (ppm)	ICP, Microwave	0278	4.556	4.905	4.73	0.74	3.985	1.007	29	
021.53	Cobalt (ppm)	ICP-MS, Microwave	0610	4.84	4.69	4.765	0.77	3.985	1.007	29	
021.41	Cobalt (ppm)	ICP, Dry ash	0148	5.13	4.78	4.955	0.96	3.985	1.007	29	
021.31	Cobalt (ppm)	AAS, Dry ash	0563	5.4515	5.219	5.335	1.34	3.985	1.007	29	
021.43	Cobalt (ppm)	ICP, Microwave	2481	5.43	5.5	5.465	1.47	3.985	1.007	29	

**Copper (ppm)**

022.31	Copper (ppm)	AAS, Dry ash	0536	53.8	53.1	53.45	-2.01	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	2326	54.17	54.78	54.48	-1.79	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	2392	56.11	53.39	54.75	-1.73	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0692	53	57	55	-1.68	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0357	53.538	57.276	55.41	-1.59	62.78	4.629	83	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
022.43	Copper (ppm)	ICP, Microwave	2532	58.1	53.38	55.74	-1.52	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	0598	54.2204	58.2837	56.25	-1.41	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0202	58	56.9	57.45	-1.15	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0682	57.7	57.4	57.55	-1.13	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0511	58	58	58	-1.03	62.78	4.629	83	7
022.31	Copper (ppm)	AAS, Dry ash	2188	58.41	57.64	58.02	-1.03	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0278	59.7	56.6	58.15	-1.00	62.78	4.629	83	
022.53	Copper (ppm)	ICP-MS, Microwave	0553	58.2	58.2	58.2	-0.99	62.78	4.629	83	7
022.44	Copper (ppm)	ICP, Dry ash	0098	59.77	56.66	58.22	-0.99	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	0723	57.711	58.894	58.3	-0.97	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	0720	58.44	58.37	58.4	-0.94	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	0358	59.23	57.89	58.56	-0.91	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	0229	57.12	61.72	59.42	-0.73	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	0674	59.49	59.49	59.49	-0.71	62.78	4.629	83	7
022.42	Copper (ppm)	ICP, Open vessel	2433	60.3635	58.6341	59.5	-0.71	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0918	62.97	56.62	59.8	-0.64	62.78	4.629	83	
022.53	Copper (ppm)	ICP-MS, Microwave	0939	60.17	59.55	59.86	-0.63	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0009	63.5	56.7	60.1	-0.58	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0870	61.925	58.2777	60.1	-0.58	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0510	60	61	60.5	-0.49	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0505	57.78	63.39	60.58	-0.47	62.78	4.629	83	
022.31	Copper (ppm)	AAS, Dry ash	0939	60	61.27	60.64	-0.46	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	0520	60.607	60.966	60.79	-0.43	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0042	60.5	61.1	60.8	-0.43	62.78	4.629	83	
022.31	Copper (ppm)	AAS, Dry ash	0921	59.93	61.68	60.8	-0.43	62.78	4.629	83	
022.52	Copper (ppm)	ICP-MS, Open vessel	0560	60.41	61.54	60.98	-0.39	62.78	4.629	83	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
022.43	Copper (ppm)	ICP, Microwave	0407	61.4865	61.5594	61.52	-0.27	62.78	4.629	83	
022.31	Copper (ppm)	AAS, Dry ash	0001	63.01	60.04	61.52	-0.27	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0096	57.0541	66.2846	61.67	-0.24	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	2476	60.29	63.13	61.71	-0.23	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0297	61	63	62	-0.17	62.78	4.629	83	
022.99	Copper (ppm)	Miscellaneous	0100	62	62	62	-0.17	62.78	4.629	83	7
022.43	Copper (ppm)	ICP, Microwave	0870	62.6765	61.66	62.17	-0.13	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0169	62.8	61.7	62.25	-0.11	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0028	60.511	64.004	62.26	-0.11	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0027	61.04	63.59	62.32	-0.10	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0001	66.1	58.7	62.4	-0.08	62.78	4.629	83	
022.52	Copper (ppm)	ICP-MS, Open vessel	0186	64.78	60.02	62.4	-0.08	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	0019	62.29	63.04	62.66	-0.02	62.78	4.629	83	
022.31	Copper (ppm)	AAS, Dry ash	0948	63.62	62.78	63.2	0.09	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0968	63.069	63.917	63.49	0.15	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0035	66	61	63.5	0.16	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	0407	60.1427	67.1619	63.65	0.19	62.78	4.629	83	
022.44	Copper (ppm)	ICP, Dry ash	0066	62.81	64.54	63.68	0.19	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0045	63.6	64	63.8	0.22	62.78	4.629	83	
022.44	Copper (ppm)	ICP, Dry ash	0227	63.9	64	63.95	0.25	62.78	4.629	83	
022.99	Copper (ppm)	Miscellaneous	0242	64	64	64	0.26	62.78	4.629	83	7
022.53	Copper (ppm)	ICP-MS, Microwave	0504	61.9	66.2	64.05	0.28	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	0148	64.55	63.77	64.16	0.30	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	2319	66.2756	62.6946	64.49	0.37	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0366	67	62	64.5	0.37	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0190	63.55	65.48	64.52	0.38	62.78	4.629	83	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
022.43	Copper (ppm)	ICP, Microwave	0964	67.6	62	64.8	0.44	62.78	4.629	83	
022.52	Copper (ppm)	ICP-MS, Open vessel	0096	64.9282	64.8976	64.91	0.46	62.78	4.629	83	
022.31	Copper (ppm)	AAS, Dry ash	0563	63.23	66.85	65.04	0.49	62.78	4.629	83	
022.53	Copper (ppm)	ICP-MS, Microwave	0407	61.0352	69.0666	65.05	0.49	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0693	64	67	65.5	0.59	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0083	64.77	66.67	65.72	0.64	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0098	65.71	66.15	65.93	0.68	62.78	4.629	83	
022.31	Copper (ppm)	AAS, Dry ash	2196	66	66	66	0.70	62.78	4.629	83	7
022.32	Copper (ppm)	AAS, Open vessel	0038	70	62.7	66.35	0.77	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0354	63.97	68.99	66.48	0.80	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0035	67	66	66.5	0.80	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0726	66.6	67.1	66.85	0.88	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0610	68.6	65.5	67.05	0.92	62.78	4.629	83	
022.31	Copper (ppm)	AAS, Dry ash	0529	67	68.2	67.6	1.04	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0226	66.59	68.66	67.62	1.05	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0033	71.3	66.2	68.75	1.29	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0685	68.59	70.59	69.59	1.47	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	0294	66.69	72.55	69.62	1.48	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0010	67.9	71.7	69.8	1.52	62.78	4.629	83	
022.99	Copper (ppm)	Miscellaneous	2302	70.71	74.32	72.52	2.10	62.78	4.629	83	
022.42	Copper (ppm)	ICP, Open vessel	2129	72.77	73.4	73.08	2.23	62.78	4.629	83	
022.99	Copper (ppm)	Miscellaneous	2517	70	77	73.5	2.32	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	0171	75.1	72.6	73.85	2.39	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	0353	74	76	75	2.64	62.78	4.629	83	
022.41	Copper (ppm)	ICP, Dry ash	0226	75.45	76.25	75.85	2.82	62.78	4.629	83	
022.43	Copper (ppm)	ICP, Microwave	2481	81.32	80.18	80.75	3.88	62.78	4.629	83	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats		
								Robust Mean	Robust StDev	n used
<b>Iodine (ppm)</b>										
024.52	Iodine (ppm)	ICP-MS, Open vessel	0910	5.99	4.93	5.46				
<b>Iron (ppm)</b>										
025.43	Iron (ppm)	ICP, Microwave	0083	265.27	267.56	266.4	-3.25	396.9	40.1	80
025.52	Iron (ppm)	ICP-MS, Open vessel	0154	283.08	260.98	272	-3.11	396.9	40.1	80
025.42	Iron (ppm)	ICP, Open vessel	0294	289.41	277	283.2	-2.84	396.9	40.1	80
025.42	Iron (ppm)	ICP, Open vessel	0726	288	285	286.5	-2.75	396.9	40.1	80
025.42	Iron (ppm)	ICP, Open vessel	0042	323	289	306	-2.27	396.9	40.1	80
025.41	Iron (ppm)	ICP, Dry ash	0066	318.7	313.7	316.2	-2.01	396.9	40.1	80
025.42	Iron (ppm)	ICP, Open vessel	0202	320	313	316.5	-2.01	396.9	40.1	80
025.42	Iron (ppm)	ICP, Open vessel	0692	312	326	319	-1.94	396.9	40.1	80
025.52	Iron (ppm)	ICP-MS, Open vessel	0560	332.86	309.9	321.4	-1.88	396.9	40.1	80
025.42	Iron (ppm)	ICP, Open vessel	0096	304.408	339.031	321.7	-1.88	396.9	40.1	80
025.42	Iron (ppm)	ICP, Open vessel	2319	331.696	327.324	329.5	-1.68	396.9	40.1	80
025.41	Iron (ppm)	ICP, Dry ash	0723	347	327.72	337.4	-1.49	396.9	40.1	80
025.42	Iron (ppm)	ICP, Open vessel	2433	340.023	342.500	341.3	-1.39	396.9	40.1	80
025.41	Iron (ppm)	ICP, Dry ash	0598	341.800	343.225	342.5	-1.36	396.9	40.1	80
025.41	Iron (ppm)	ICP, Dry ash	0674	351.19	351.19	351.2	-1.14	396.9	40.1	80
025.99	Iron (ppm)	Miscellaneous	2302	358.74	367.95	363.3	-0.84	396.9	40.1	80
025.42	Iron (ppm)	ICP, Open vessel	0190	366.21	366.81	366.5	-0.76	396.9	40.1	80
025.41	Iron (ppm)	ICP, Dry ash	0520	361.447	375.79	368.6	-0.71	396.9	40.1	80
025.42	Iron (ppm)	ICP, Open vessel	0278	382	364	373	-0.60	396.9	40.1	80
025.53	Iron (ppm)	ICP-MS, Microwave	0553	380	368	374	-0.57	396.9	40.1	80
025.52	Iron (ppm)	ICP-MS, Open vessel	0096	366.196	384.138	375.2	-0.54	396.9	40.1	80

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
025.41	Iron (ppm)	ICP, Dry ash	0910	370	384	377	-0.50	396.9	40.1	80	
025.42	Iron (ppm)	ICP, Open vessel	0045	373	385	379	-0.45	396.9	40.1	80	
025.42	Iron (ppm)	ICP, Open vessel	0870	397.343	361.367	379.4	-0.44	396.9	40.1	80	
025.42	Iron (ppm)	ICP, Open vessel	0504	388	386	387	-0.25	396.9	40.1	80	
025.41	Iron (ppm)	ICP, Dry ash	0208	367.2	407.1	387.2	-0.24	396.9	40.1	80	
025.42	Iron (ppm)	ICP, Open vessel	0693	400	376	388	-0.22	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0357	392.567	387.51	390	-0.17	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0511	392	391	391.5	-0.14	396.9	40.1	80	
025.41	Iron (ppm)	ICP, Dry ash	0407	371.536	412.239	391.9	-0.13	396.9	40.1	80	
025.99	Iron (ppm)	Miscellaneous	0100	387	400	393.5	-0.09	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0968	394.697	393.469	394.1	-0.07	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0870	392.966	404.95	399	0.05	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0510	399	399	399	0.05	396.9	40.1	80	7
025.31	Iron (ppm)	AAS, Dry ash	0001	397.3	401.4	399.4	0.06	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0169	400	399	399.5	0.06	396.9	40.1	80	
025.41	Iron (ppm)	ICP, Dry ash	0358	397.71	402.03	399.9	0.07	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0407	394.900	407.217	401.1	0.10	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0682	393.66	410.55	402.1	0.13	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0964	403	403	403	0.15	396.9	40.1	80	7
025.41	Iron (ppm)	ICP, Dry ash	0019	402.95	408.65	405.8	0.22	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	2326	401	411	406	0.23	396.9	40.1	80	
025.41	Iron (ppm)	ICP, Dry ash	0227	389	424	406.5	0.24	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0297	407	406	406.5	0.24	396.9	40.1	80	
025.31	Iron (ppm)	AAS, Dry ash	0948	407.05	408.89	408	0.28	396.9	40.1	80	
025.31	Iron (ppm)	AAS, Dry ash	2196	408.74	408.74	408.7	0.29	396.9	40.1	80	7
025.41	Iron (ppm)	ICP, Dry ash	0229	415.98	401.95	409	0.30	396.9	40.1	80	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
025.43	Iron (ppm)	ICP, Microwave	0010	414	405	409.5	0.31	396.9	40.1	80	
025.53	Iron (ppm)	ICP-MS, Microwave	0407	395.491	423.629	409.6	0.32	396.9	40.1	80	
025.41	Iron (ppm)	ICP, Dry ash	0171	404.8	414.6	409.7	0.32	396.9	40.1	80	
025.41	Iron (ppm)	ICP, Dry ash	0098	416.6	405.1	410.8	0.35	396.9	40.1	80	
025.41	Iron (ppm)	ICP, Dry ash	0720	415.3	409.1	412.2	0.38	396.9	40.1	80	
025.42	Iron (ppm)	ICP, Open vessel	0366	426	401	413.5	0.41	396.9	40.1	80	
025.53	Iron (ppm)	ICP-MS, Microwave	0939	420	407	413.5	0.41	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0505	413.3	416.7	415	0.45	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	2532	408.33	424.06	416.2	0.48	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0001	421	412	416.5	0.49	396.9	40.1	80	
025.99	Iron (ppm)	Miscellaneous	0242	417	418	417.5	0.51	396.9	40.1	80	
025.41	Iron (ppm)	ICP, Dry ash	0148	427.42	413.24	420.3	0.58	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0610	420	423	421.5	0.61	396.9	40.1	80	
025.41	Iron (ppm)	ICP, Dry ash	0226	423.07	423.81	423.4	0.66	396.9	40.1	80	
025.31	Iron (ppm)	AAS, Dry ash	0563	421.924	425.252	423.6	0.66	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0028	438.316	409.064	423.7	0.67	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0354	432.31	415.53	423.9	0.67	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0098	432.6	424.8	428.7	0.79	396.9	40.1	80	
025.31	Iron (ppm)	AAS, Dry ash	0529	433.8	424.5	429.2	0.80	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0876	430.5	431	430.8	0.84	396.9	40.1	80	
025.42	Iron (ppm)	ICP, Open vessel	0035	443	419	431	0.85	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0033	437	426	431.5	0.86	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	2476	431.7	433.2	432.4	0.89	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0035	438	430	434	0.92	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0918	440.17	438.42	439.3	1.06	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0226	441.36	439.62	440.5	1.09	396.9	40.1	80	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
025.99	Iron (ppm)	Miscellaneous	2517	431	459	445	1.20	396.9	40.1	80	
025.31	Iron (ppm)	AAS, Dry ash	0038	438	455	446.5	1.24	396.9	40.1	80	
025.31	Iron (ppm)	AAS, Dry ash	0939	450.2	443.5	446.8	1.24	396.9	40.1	80	
025.31	Iron (ppm)	AAS, Dry ash	2188	458.07	460.11	459.1	1.55	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	2481	453.83	474.46	464.1	1.68	396.9	40.1	80	
025.43	Iron (ppm)	ICP, Microwave	0353	475	464	469.5	1.81	396.9	40.1	80	
025.42	Iron (ppm)	ICP, Open vessel	2129	580.5	558.4	569.4	4.30	396.9	40.1	80	

**Magnesium (%)**

027.43	Magnesium (%)	ICP, Microwave	0511	0.27	0.27	0.27	-3.02	0.3229	0.0175	88	7
027.31	Magnesium (%)	AAS, Dry ash	0921	0.2734	0.2903	0.2818	-2.34	0.3229	0.0175	88	
027.41	Magnesium (%)	ICP, Dry ash	0066	0.295	0.282	0.2885	-1.96	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0357	0.2897	0.2937	0.2917	-1.78	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0202	0.301	0.286	0.2935	-1.68	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0089	0.2942	0.2946	0.2944	-1.63	0.3229	0.0175	88	
027.41	Magnesium (%)	ICP, Dry ash	0910	0.3	0.29	0.295	-1.59	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0692	0.29	0.3	0.295	-1.59	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0043	0.296	0.2974	0.2967	-1.49	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	2532	0.3	0.3	0.3	-1.31	0.3229	0.0175	88	7
027.43	Magnesium (%)	ICP, Microwave	0510	0.3	0.3	0.3	-1.31	0.3229	0.0175	88	7
027.42	Magnesium (%)	ICP, Open vessel	2433	0.2989	0.3035	0.3012	-1.24	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0096	0.2921	0.3109	0.3015	-1.22	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0083	0.295	0.312	0.3035	-1.11	0.3229	0.0175	88	
027.53	Magnesium (%)	ICP-MS, Microwave	0939	0.31	0.3	0.305	-1.02	0.3229	0.0175	88	
027.41	Magnesium (%)	ICP, Dry ash	0520	0.3071	0.3057	0.3064	-0.94	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0504	0.306	0.31	0.308	-0.85	0.3229	0.0175	88	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
027.43	Magnesium (%)	ICP, Microwave	0682	0.3	0.32	0.31	-0.74	0.3229	0.0175	88	
027.44	Magnesium (%)	ICP, Dry ash	0098	0.31	0.31	0.31	-0.74	0.3229	0.0175	88	7
027.31	Magnesium (%)	AAS, Dry ash	0001	0.3096	0.3153	0.3124	-0.60	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	2326	0.307	0.319	0.313	-0.56	0.3229	0.0175	88	
027.41	Magnesium (%)	ICP, Dry ash	0229	0.31	0.32	0.315	-0.45	0.3229	0.0175	88	
027.31	Magnesium (%)	AAS, Dry ash	0948	0.32	0.31	0.315	-0.45	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0693	0.31	0.32	0.315	-0.45	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0226	0.31	0.32	0.315	-0.45	0.3229	0.0175	88	
027.31	Magnesium (%)	AAS, Dry ash	0939	0.31	0.32	0.315	-0.45	0.3229	0.0175	88	
027.31	Magnesium (%)	AAS, Dry ash	0038	0.315	0.315	0.315	-0.45	0.3229	0.0175	88	7
027.43	Magnesium (%)	ICP, Microwave	0668	0.3102	0.3199	0.315	-0.45	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0407	0.3127	0.3213	0.317	-0.34	0.3229	0.0175	88	
027.53	Magnesium (%)	ICP-MS, Microwave	0553	0.325	0.31	0.3175	-0.31	0.3229	0.0175	88	
027.52	Magnesium (%)	ICP-MS, Open vessel	0154	0.3191	0.3163	0.3177	-0.30	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0001	0.32	0.316	0.318	-0.28	0.3229	0.0175	88	
027.41	Magnesium (%)	ICP, Dry ash	0598	0.3182	0.3187	0.3184	-0.25	0.3229	0.0175	88	
027.41	Magnesium (%)	ICP, Dry ash	0208	0.3065	0.3314	0.319	-0.23	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0870	0.3203	0.318	0.3192	-0.21	0.3229	0.0175	88	
027.31	Magnesium (%)	AAS, Dry ash	2196	0.32	0.32	0.32	-0.17	0.3229	0.0175	88	7
027.41	Magnesium (%)	ICP, Dry ash	0358	0.32	0.32	0.32	-0.17	0.3229	0.0175	88	7
027.43	Magnesium (%)	ICP, Microwave	0297	0.32	0.32	0.32	-0.17	0.3229	0.0175	88	7
027.41	Magnesium (%)	ICP, Dry ash	0674	0.32	0.32	0.32	-0.17	0.3229	0.0175	88	7
027.43	Magnesium (%)	ICP, Microwave	0098	0.32	0.32	0.32	-0.17	0.3229	0.0175	88	7
027.43	Magnesium (%)	ICP, Microwave	0028	0.323	0.318	0.3205	-0.14	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0045	0.327	0.316	0.3215	-0.08	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	2476	0.32	0.324	0.322	-0.05	0.3229	0.0175	88	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
027.42	Magnesium (%)	ICP, Open vessel	2319	0.3231	0.322	0.3226	-0.02	0.3229	0.0175	88	
027.41	Magnesium (%)	ICP, Dry ash	0407	0.313	0.3333	0.3232	0.01	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0964	0.3191	0.3281	0.3236	0.04	0.3229	0.0175	88	
027.41	Magnesium (%)	ICP, Dry ash	0723	0.3235	0.3246	0.324	0.07	0.3229	0.0175	88	
027.41	Magnesium (%)	ICP, Dry ash	0171	0.323	0.326	0.3245	0.09	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0870	0.3241	0.3254	0.3248	0.11	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0610	0.32	0.33	0.325	0.12	0.3229	0.0175	88	
027.41	Magnesium (%)	ICP, Dry ash	0019	0.32	0.33	0.325	0.12	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0010	0.33	0.32	0.325	0.12	0.3229	0.0175	88	
027.32	Magnesium (%)	AAS, Open vessel	0169	0.33	0.32	0.325	0.12	0.3229	0.0175	88	
027.31	Magnesium (%)	AAS, Dry ash	0529	0.33	0.32	0.325	0.12	0.3229	0.0175	88	
027.99	Magnesium (%)	Miscellaneous	2302	0.3	0.35	0.325	0.12	0.3229	0.0175	88	1
027.43	Magnesium (%)	ICP, Microwave	0968	0.326	0.325	0.3255	0.15	0.3229	0.0175	88	
027.44	Magnesium (%)	ICP, Dry ash	0227	0.308	0.343	0.3255	0.15	0.3229	0.0175	88	
027.52	Magnesium (%)	ICP-MS, Open vessel	0096	0.3319	0.3263	0.3291	0.35	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0294	0.32	0.34	0.33	0.41	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0353	0.33	0.33	0.33	0.41	0.3229	0.0175	88	7
027.43	Magnesium (%)	ICP, Microwave	0354	0.335	0.326	0.3305	0.43	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0918	0.339	0.323	0.331	0.46	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0505	0.331	0.333	0.332	0.52	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0009	0.3383	0.3298	0.334	0.64	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0345	0.332	0.337	0.3345	0.66	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0278	0.34	0.33	0.335	0.69	0.3229	0.0175	88	
027.99	Magnesium (%)	Miscellaneous	0100	0.33	0.34	0.335	0.69	0.3229	0.0175	88	
027.41	Magnesium (%)	ICP, Dry ash	0720	0.34	0.33	0.335	0.69	0.3229	0.0175	88	
027.41	Magnesium (%)	ICP, Dry ash	0148	0.34	0.33	0.335	0.69	0.3229	0.0175	88	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
027.42	Magnesium (%)	ICP, Open vessel	0190	0.34	0.33	0.335	0.69	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0685	0.33	0.34	0.335	0.69	0.3229	0.0175	88	
027.52	Magnesium (%)	ICP-MS, Open vessel	0560	0.338	0.335	0.3365	0.78	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0033	0.34	0.338	0.339	0.92	0.3229	0.0175	88	
027.53	Magnesium (%)	ICP-MS, Microwave	0407	0.3391	0.3392	0.3392	0.93	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	2481	0.34	0.34	0.34	0.98	0.3229	0.0175	88	7
027.42	Magnesium (%)	ICP, Open vessel	0726	0.34	0.34	0.34	0.98	0.3229	0.0175	88	7
027.42	Magnesium (%)	ICP, Open vessel	0035	0.34	0.34	0.34	0.98	0.3229	0.0175	88	7
027.43	Magnesium (%)	ICP, Microwave	0876	0.34	0.342	0.341	1.03	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0042	0.339	0.343	0.341	1.03	0.3229	0.0175	88	
027.42	Magnesium (%)	ICP, Open vessel	0366	0.36	0.33	0.345	1.26	0.3229	0.0175	88	
027.99	Magnesium (%)	Miscellaneous	0242	0.35	0.34	0.345	1.26	0.3229	0.0175	88	
027.31	Magnesium (%)	AAS, Dry ash	0563	0.35	0.346	0.348	1.43	0.3229	0.0175	88	
027.52	Magnesium (%)	ICP-MS, Open vessel	0186	0.345	0.3531	0.349	1.49	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0035	0.35	0.35	0.35	1.55	0.3229	0.0175	88	7
027.42	Magnesium (%)	ICP, Open vessel	0186	0.354	0.3484	0.3512	1.61	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0011	0.35	0.36	0.355	1.83	0.3229	0.0175	88	
027.43	Magnesium (%)	ICP, Microwave	0300	0.359	0.359	0.359	2.06	0.3229	0.0175	88	7
027.41	Magnesium (%)	ICP, Dry ash	0226	0.37	0.37	0.37	2.69	0.3229	0.0175	88	7
027.42	Magnesium (%)	ICP, Open vessel	2129	0.4002	0.3651	0.3826	3.41	0.3229	0.0175	88	
027.99	Magnesium (%)	Miscellaneous	2517	0.579	0.574	0.5765	14.47	0.3229	0.0175	88	2

**Manganese (ppm)**

028.44	Manganese (ppm)	ICP, Dry ash	0066	286	289.9	288	-3.97	363.3	18.97	82	
028.41	Manganese (ppm)	ICP, Dry ash	0520	306.423	319.819	313.1	-2.65	363.3	18.97	82	
028.41	Manganese (ppm)	ICP, Dry ash	0598	332.200	333.010	332.6	-1.62	363.3	18.97	82	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
028.41	Manganese (ppm)	ICP, Dry ash	0226	344.07	326.06	335.1	-1.49	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	2433	336.696	339.563	338.1	-1.33	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0692	340	343	341.5	-1.15	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0202	374	310	342	-1.12	363.3	18.97	82	1
028.43	Manganese (ppm)	ICP, Microwave	0511	350	335	342.5	-1.10	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0682	350.23	335.48	342.9	-1.08	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0169	337	349	343	-1.07	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0035	348	339	343.5	-1.05	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0870	342.189	347.91	345	-0.96	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0096	320.541	370.454	345.5	-0.94	363.3	18.97	82	
028.41	Manganese (ppm)	ICP, Dry ash	0229	345.31	347.94	346.6	-0.88	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0870	354.601	339.001	346.8	-0.87	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0357	342.831	351.043	346.9	-0.86	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0968	345.155	350.801	348	-0.81	363.3	18.97	82	
028.53	Manganese (ppm)	ICP-MS, Microwave	0939	360	336	348	-0.81	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0510	352	344	348	-0.81	363.3	18.97	82	
028.41	Manganese (ppm)	ICP, Dry ash	0358	343.37	354.05	348.7	-0.77	363.3	18.97	82	
028.44	Manganese (ppm)	ICP, Dry ash	0098	347.2	352.9	350	-0.70	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0610	350	352	351	-0.65	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0504	341	362	351.5	-0.62	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	2326	357	348	352.5	-0.57	363.3	18.97	82	
028.31	Manganese (ppm)	AAS, Dry ash	0939	350.6	354.7	352.6	-0.56	363.3	18.97	82	
028.41	Manganese (ppm)	ICP, Dry ash	0208	337.6	367.8	352.7	-0.56	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0001	352	354	353	-0.54	363.3	18.97	82	
028.31	Manganese (ppm)	AAS, Dry ash	0001	352.9	355.9	354.4	-0.47	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0294	357.16	353.03	355.1	-0.43	363.3	18.97	82	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
028.99	Manganese (ppm)	Miscellaneous	2302	344.86	365.85	355.4	-0.42	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0407	351.168	360.205	355.7	-0.40	363.3	18.97	82	
028.41	Manganese (ppm)	ICP, Dry ash	0674	356.14	356.14	356.1	-0.38	363.3	18.97	82	7
028.41	Manganese (ppm)	ICP, Dry ash	0407	335.402	377.074	356.2	-0.37	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0685	353.24	359.24	356.2	-0.37	363.3	18.97	82	
028.41	Manganese (ppm)	ICP, Dry ash	0019	344.3	368.2	356.2	-0.37	363.3	18.97	82	
028.41	Manganese (ppm)	ICP, Dry ash	0723	351.145	363.366	357.3	-0.32	363.3	18.97	82	
028.41	Manganese (ppm)	ICP, Dry ash	0171	354.4	360.8	357.6	-0.30	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0083	364.32	352.61	358.5	-0.26	363.3	18.97	82	
028.52	Manganese (ppm)	ICP-MS, Open vessel	0096	344.461	373.554	359	-0.23	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0964	361	358	359.5	-0.20	363.3	18.97	82	
028.52	Manganese (ppm)	ICP-MS, Open vessel	0560	379.65	340.26	360	-0.18	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0035	373	351	362	-0.07	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0027	365.62	358.38	362	-0.07	363.3	18.97	82	
028.99	Manganese (ppm)	Miscellaneous	2517	349	375	362	-0.07	363.3	18.97	82	
028.41	Manganese (ppm)	ICP, Dry ash	0720	363.79	361.54	362.7	-0.04	363.3	18.97	82	
028.31	Manganese (ppm)	AAS, Dry ash	2196	362.73	362.73	362.7	-0.03	363.3	18.97	82	7
028.53	Manganese (ppm)	ICP-MS, Microwave	0553	376	351	363.5	0.01	363.3	18.97	82	
028.53	Manganese (ppm)	ICP-MS, Microwave	0407	351.367	375.911	363.6	0.02	363.3	18.97	82	
028.31	Manganese (ppm)	AAS, Dry ash	0529	345	382.7	363.8	0.03	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0042	374	355	364.5	0.06	363.3	18.97	82	
028.00	Manganese (ppm)	Color	2392	376	353	364.5	0.06	363.3	18.97	82	
028.31	Manganese (ppm)	AAS, Dry ash	0948	362.91	366.73	364.8	0.08	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0726	367	364	365.5	0.11	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0354	371.06	360.69	365.9	0.13	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0226	361.87	370.7	366.3	0.16	363.3	18.97	82	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
028.44	Manganese (ppm)	ICP, Dry ash	0227	348	385	366.5	0.17	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	2532	353.5	386.16	369.8	0.34	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0505	374.9	366.4	370.6	0.39	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	2476	368.1	374.2	371.2	0.41	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0918	368.04	376.87	372.5	0.48	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	2319	389.686	358.213	373.9	0.56	363.3	18.97	82	
028.99	Manganese (ppm)	Miscellaneous	0100	371	381	376	0.67	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0297	375	379	377	0.72	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0353	381	375	378	0.77	363.3	18.97	82	
028.52	Manganese (ppm)	ICP-MS, Open vessel	0186	393.71	365.96	379.8	0.87	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0366	387	373	380	0.88	363.3	18.97	82	
028.31	Manganese (ppm)	AAS, Dry ash	0536	380.443	383.443	381.9	0.98	363.3	18.97	82	
028.41	Manganese (ppm)	ICP, Dry ash	0148	392.03	372.35	382.2	0.99	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0045	387	378	382.5	1.01	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0190	382.94	383.51	383.2	1.05	363.3	18.97	82	
028.41	Manganese (ppm)	ICP, Dry ash	0910	388	381	384.5	1.12	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0098	392.3	383	387.6	1.28	363.3	18.97	82	
028.31	Manganese (ppm)	AAS, Dry ash	2188	388.58	389.89	389.2	1.37	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0010	386.9	395.5	391.2	1.47	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0693	392	393	392.5	1.54	363.3	18.97	82	
028.32	Manganese (ppm)	AAS, Open vessel	0038	389	396	392.5	1.54	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	2481	391.83	398.09	395	1.67	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	0278	400	407	403.5	2.12	363.3	18.97	82	
028.31	Manganese (ppm)	AAS, Dry ash	0563	406.32	404.885	405.6	2.23	363.3	18.97	82	
028.99	Manganese (ppm)	Miscellaneous	0242	400	418	409	2.41	363.3	18.97	82	
028.43	Manganese (ppm)	ICP, Microwave	0033	390	428	409	2.41	363.3	18.97	82	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
028.42	Manganese (ppm)	ICP, Open vessel	0009	429	397	413	2.62	363.3	18.97	82	
028.42	Manganese (ppm)	ICP, Open vessel	2129	444.4	409.7	427	3.36	363.3	18.97	82	

**Nitrate (%)**

030.99	Nitrate (%)	Miscellaneous	0357	0.0004	0.0007	0.0006					
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**Phosphorus (%)**

031.41	Phosphorus (%)	ICP, Dry ash	0685	0.39	0.4	0.395	-3.17	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0692	0.37	0.43	0.4	-3.00	0.4844	0.0282	102	1
031.43	Phosphorus (%)	ICP, Microwave	0345	0.394	0.407	0.4005	-2.98	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	0108	0.42	0.42	0.42	-2.29	0.4844	0.0282	102	7
031.99	Phosphorus (%)	Miscellaneous	2517	0.417	0.435	0.426	-2.07	0.4844	0.0282	102	
031.44	Phosphorus (%)	ICP, Dry ash	0066	0.434	0.43	0.432	-1.86	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0229	0.43	0.44	0.435	-1.75	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	2532	0.44	0.43	0.435	-1.75	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	2526	0.42	0.45	0.435	-1.75	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0009	0.4417	0.4377	0.4397	-1.59	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0083	0.452	0.436	0.444	-1.43	0.4844	0.0282	102	
031.99	Phosphorus (%)	Miscellaneous	2302	0.45	0.44	0.445	-1.40	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0910	0.45	0.44	0.445	-1.40	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	2433	0.4454	0.4517	0.4486	-1.27	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0674	0.45	0.45	0.45	-1.22	0.4844	0.0282	102	7
031.42	Phosphorus (%)	ICP, Open vessel	0504	0.444	0.456	0.45	-1.22	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0019	0.45	0.45	0.45	-1.22	0.4844	0.0282	102	7
031.43	Phosphorus (%)	ICP, Microwave	0511	0.45	0.45	0.45	-1.22	0.4844	0.0282	102	7
031.99	Phosphorus (%)	Miscellaneous	0100	0.45	0.45	0.45	-1.22	0.4844	0.0282	102	7

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
031.43	Phosphorus (%)	ICP, Microwave	2326	0.442	0.461	0.4515	-1.17	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0357	0.4495	0.4586	0.454	-1.08	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0186	0.4548	0.4538	0.4543	-1.07	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0598	0.4554	0.4583	0.4568	-0.98	0.4844	0.0282	102	
031.99	Phosphorus (%)	Miscellaneous	2465	0.456	0.458	0.457	-0.97	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0610	0.45	0.47	0.46	-0.87	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0297	0.45	0.47	0.46	-0.87	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0520	0.4684	0.4601	0.4642	-0.71	0.4844	0.0282	102	
031.52	Phosphorus (%)	ICP-MS, Open vessel	0186	0.4664	0.4663	0.4664	-0.64	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0407	0.4656	0.4818	0.4737	-0.38	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0001	0.467	0.481	0.474	-0.37	0.4844	0.0282	102	
031.03	Phosphorus (%)	Autoanalyzer	0169	0.47	0.48	0.475	-0.33	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0208	0.4583	0.4927	0.4755	-0.31	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0723	0.478	0.48	0.479	-0.19	0.4844	0.0282	102	
031.03	Phosphorus (%)	Autoanalyzer	0001	0.4864	0.4721	0.4792	-0.18	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0407	0.4624	0.4976	0.48	-0.16	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0968	0.48	0.481	0.4805	-0.14	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0089	0.4865	0.477	0.4818	-0.09	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0043	0.4835	0.4824	0.483	-0.05	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	2453	0.4897	0.48	0.4848	0.02	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0693	0.47	0.5	0.485	0.02	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0010	0.49	0.48	0.485	0.02	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0011	0.48	0.49	0.485	0.02	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0018	0.457	0.513	0.485	0.02	0.4844	0.0282	102	
031.99	Phosphorus (%)	Miscellaneous	0242	0.48	0.49	0.485	0.02	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	2188	0.48	0.49	0.485	0.02	0.4844	0.0282	102	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
031.42	Phosphorus (%)	ICP, Open vessel	0047	0.48	0.49	0.485	0.02	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	0529	0.49	0.48	0.485	0.02	0.4844	0.0282	102	
031.44	Phosphorus (%)	ICP, Dry ash	0098	0.4811	0.4895	0.4853	0.03	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	2476	0.484	0.487	0.4855	0.04	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0668	0.4755	0.4973	0.4864	0.07	0.4844	0.0282	102	
031.52	Phosphorus (%)	ICP-MS, Open vessel	0154	0.4987	0.4749	0.4868	0.09	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0964	0.4816	0.4924	0.487	0.09	0.4844	0.0282	102	
031.53	Phosphorus (%)	ICP-MS, Microwave	0407	0.4729	0.5037	0.4883	0.14	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0870	0.496	0.4824	0.4892	0.17	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0028	0.486	0.493	0.4895	0.18	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	0038	0.488	0.491	0.4895	0.18	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0354	0.491	0.489	0.49	0.20	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0353	0.49	0.49	0.49	0.20	0.4844	0.0282	102	7
031.01	Phosphorus (%)	Photometric	2506	0.49	0.49	0.49	0.20	0.4844	0.0282	102	7
031.41	Phosphorus (%)	ICP, Dry ash	0144	0.5	0.48	0.49	0.20	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0278	0.49	0.49	0.49	0.20	0.4844	0.0282	102	7
031.43	Phosphorus (%)	ICP, Microwave	0036	0.4899	0.491	0.4904	0.22	0.4844	0.0282	102	
031.44	Phosphorus (%)	ICP, Dry ash	0227	0.479	0.508	0.4935	0.32	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0033	0.495	0.494	0.4945	0.36	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0096	0.4992	0.4907	0.495	0.38	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0510	0.49	0.5	0.495	0.38	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0294	0.49	0.5	0.495	0.38	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0366	0.48	0.51	0.495	0.38	0.4844	0.0282	102	
031.53	Phosphorus (%)	ICP-MS, Microwave	0939	0.49	0.5	0.495	0.38	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0726	0.49	0.5	0.495	0.38	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0190	0.49	0.5	0.495	0.38	0.4844	0.0282	102	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
031.43	Phosphorus (%)	ICP, Microwave	0682	0.46	0.53	0.495	0.38	0.4844	0.0282	102	1
031.43	Phosphorus (%)	ICP, Microwave	0098	0.4943	0.4974	0.4958	0.41	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	2009	0.5014	0.4918	0.4966	0.43	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0045	0.491	0.505	0.498	0.48	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0870	0.4965	0.5008	0.4986	0.51	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0876	0.495	0.504	0.4995	0.54	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0035	0.51	0.49	0.5	0.55	0.4844	0.0282	102	
031.52	Phosphorus (%)	ICP-MS, Open vessel	0560	0.489	0.511	0.5	0.55	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0358	0.49	0.51	0.5	0.55	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	2434	0.5	0.5	0.5	0.55	0.4844	0.0282	102	7
031.01	Phosphorus (%)	Photometric	2196	0.5	0.5	0.5	0.55	0.4844	0.0282	102	7
031.01	Phosphorus (%)	Photometric	0687	0.48	0.52	0.5	0.55	0.4844	0.0282	102	
031.53	Phosphorus (%)	ICP-MS, Microwave	0553	0.506	0.495	0.5005	0.57	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0202	0.504	0.502	0.503	0.66	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	0042	0.497	0.513	0.505	0.73	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0171	0.51	0.5	0.505	0.73	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	0939	0.51	0.5	0.505	0.73	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0226	0.51	0.51	0.51	0.91	0.4844	0.0282	102	7
031.01	Phosphorus (%)	Photometric	2392	0.51	0.51	0.51	0.91	0.4844	0.0282	102	7
031.43	Phosphorus (%)	ICP, Microwave	0035	0.51	0.52	0.515	1.09	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0918	0.519	0.512	0.5155	1.10	0.4844	0.0282	102	
031.42	Phosphorus (%)	ICP, Open vessel	2319	0.5226	0.5096	0.5161	1.13	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	0563	0.5183	0.5185	0.5184	1.21	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0720	0.53	0.51	0.52	1.26	0.4844	0.0282	102	
031.41	Phosphorus (%)	ICP, Dry ash	0148	0.524	0.52	0.522	1.34	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	2481	0.53	0.52	0.525	1.44	0.4844	0.0282	102	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
031.41	Phosphorus (%)	ICP, Dry ash	0226	0.52	0.53	0.525	1.44	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0505	0.529	0.522	0.5255	1.46	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	0948	0.54	0.52	0.53	1.62	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	2181	0.54	0.53	0.535	1.80	0.4844	0.0282	102	
031.43	Phosphorus (%)	ICP, Microwave	0300	0.548	0.546	0.547	2.22	0.4844	0.0282	102	
031.01	Phosphorus (%)	Photometric	2200	0.56	0.56	0.56	2.68	0.4844	0.0282	102	7
031.42	Phosphorus (%)	ICP, Open vessel	2129	0.5839	0.576	0.58	3.39	0.4844	0.0282	102	
031.99	Phosphorus (%)	Miscellaneous	0852	0.99	1.04	1.015	18.84	0.4844	0.0282	102	2

Potassium (%)

032.43	Potassium (%)	ICP, Microwave	0345	1.065	0.998	1.032	-7.15	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0357	1.3529	1.359	1.356	-2.69	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0043	1.383	1.3848	1.384	-2.31	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0083	1.42	1.36	1.39	-2.23	1.552	0.0727	89	
032.44	Potassium (%)	ICP, Dry ash	0098	1.35	1.44	1.395	-2.16	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0066	1.407	1.409	1.408	-1.98	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0968	1.472	1.392	1.432	-1.65	1.552	0.0727	89	
032.52	Potassium (%)	ICP-MS, Open vessel	0154	1.4348	1.4368	1.436	-1.60	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0226	1.42	1.46	1.44	-1.54	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	2326	1.486	1.415	1.45	-1.39	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0510	1.46	1.46	1.46	-1.26	1.552	0.0727	89	7
032.42	Potassium (%)	ICP, Open vessel	0692	1.39	1.53	1.46	-1.26	1.552	0.0727	89	
032.42	Potassium (%)	ICP, Open vessel	0202	1.46	1.47	1.465	-1.19	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0229	1.44	1.49	1.465	-1.19	1.552	0.0727	89	
032.42	Potassium (%)	ICP, Open vessel	2433	1.4906	1.4609	1.476	-1.05	1.552	0.0727	89	
032.31	Potassium (%)	AAS, Dry ash	0536	1.478	1.488	1.483	-0.95	1.552	0.0727	89	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
032.41	Potassium (%)	ICP, Dry ash	0019	1.455	1.515	1.485	-0.92	1.552	0.0727	89	
032.31	Potassium (%)	AAS, Dry ash	2196	1.49	1.49	1.49	-0.85	1.552	0.0727	89	7
032.42	Potassium (%)	ICP, Open vessel	0693	1.51	1.48	1.495	-0.78	1.552	0.0727	89	
032.53	Potassium (%)	ICP-MS, Microwave	0939	1.5	1.5	1.5	-0.71	1.552	0.0727	89	7
032.42	Potassium (%)	ICP, Open vessel	0366	1.5	1.5	1.5	-0.71	1.552	0.0727	89	7
032.43	Potassium (%)	ICP, Microwave	0089	1.515	1.488	1.502	-0.69	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0723	1.5245	1.483	1.504	-0.66	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0918	1.539	1.485	1.512	-0.55	1.552	0.0727	89	
032.31	Potassium (%)	AAS, Dry ash	0563	1.519	1.525	1.522	-0.41	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0036	1.5185	1.5264	1.522	-0.40	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0511	1.54	1.51	1.525	-0.37	1.552	0.0727	89	
032.42	Potassium (%)	ICP, Open vessel	0294	1.5	1.55	1.525	-0.37	1.552	0.0727	89	
032.32	Potassium (%)	AAS, Open vessel	0169	1.55	1.5	1.525	-0.37	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0028	1.535	1.521	1.528	-0.33	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0171	1.54	1.52	1.53	-0.30	1.552	0.0727	89	
032.53	Potassium (%)	ICP-MS, Microwave	0553	1.56	1.5	1.53	-0.30	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0910	1.5	1.57	1.535	-0.23	1.552	0.0727	89	
032.42	Potassium (%)	ICP, Open vessel	0045	1.56	1.51	1.535	-0.23	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0598	1.532	1.5382	1.535	-0.23	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0870	1.5111	1.5638	1.537	-0.20	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0001	1.55	1.53	1.54	-0.16	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0407	1.5215	1.5636	1.543	-0.13	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0720	1.55	1.54	1.545	-0.09	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0010	1.55	1.54	1.545	-0.09	1.552	0.0727	89	
032.99	Potassium (%)	Miscellaneous	2302	1.5	1.59	1.545	-0.09	1.552	0.0727	89	
032.52	Potassium (%)	ICP-MS, Open vessel	2319	1.5096	1.5822	1.546	-0.08	1.552	0.0727	89	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
032.31	Potassium (%)	AAS, Dry ash	0948	1.55	1.55	1.55	-0.03	1.552	0.0727	89	7
032.31	Potassium (%)	AAS, Dry ash	0038	1.51	1.59	1.55	-0.03	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0208	1.48	1.624	1.552	0.00	1.552	0.0727	89	
032.99	Potassium (%)	Miscellaneous	0100	1.52	1.59	1.555	0.04	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0098	1.56	1.55	1.555	0.04	1.552	0.0727	89	
032.42	Potassium (%)	ICP, Open vessel	0278	1.56	1.55	1.555	0.04	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0407	1.4525	1.6629	1.558	0.08	1.552	0.0727	89	1
032.43	Potassium (%)	ICP, Microwave	0353	1.56	1.56	1.56	0.11	1.552	0.0727	89	7
032.41	Potassium (%)	ICP, Dry ash	0144	1.58	1.55	1.565	0.18	1.552	0.0727	89	
032.99	Potassium (%)	Miscellaneous	0242	1.58	1.55	1.565	0.18	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0027	1.5697	1.5662	1.568	0.22	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0682	1.57	1.57	1.57	0.25	1.552	0.0727	89	7
032.43	Potassium (%)	ICP, Microwave	0668	1.5191	1.6276	1.573	0.29	1.552	0.0727	89	
032.44	Potassium (%)	ICP, Dry ash	0227	1.48	1.67	1.575	0.32	1.552	0.0727	89	1
032.43	Potassium (%)	ICP, Microwave	0354	1.584	1.568	1.576	0.33	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0964	1.5566	1.5996	1.578	0.36	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0520	1.5647	1.5923	1.578	0.37	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	2476	1.575	1.595	1.585	0.46	1.552	0.0727	89	
032.42	Potassium (%)	ICP, Open vessel	0035	1.6	1.57	1.585	0.46	1.552	0.0727	89	
032.42	Potassium (%)	ICP, Open vessel	0504	1.56	1.61	1.585	0.46	1.552	0.0727	89	
032.52	Potassium (%)	ICP-MS, Open vessel	0186	1.6015	1.5837	1.593	0.56	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0358	1.59	1.6	1.595	0.59	1.552	0.0727	89	
032.99	Potassium (%)	Miscellaneous	0001	1.611	1.584	1.598	0.63	1.552	0.0727	89	
032.02	Potassium (%)	Flame Emission	2392	1.59	1.61	1.6	0.66	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0148	1.61	1.59	1.6	0.66	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0033	1.6	1.6	1.6	0.66	1.552	0.0727	89	7

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
032.31	Potassium (%)	AAS, Dry ash	0939	1.61	1.59	1.6	0.66	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0297	1.61	1.59	1.6	0.66	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0876	1.613	1.592	1.602	0.70	1.552	0.0727	89	
032.42	Potassium (%)	ICP, Open vessel	0096	1.6042	1.6008	1.602	0.70	1.552	0.0727	89	
032.42	Potassium (%)	ICP, Open vessel	0870	1.6072	1.6009	1.604	0.72	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0505	1.608	1.611	1.61	0.79	1.552	0.0727	89	
032.42	Potassium (%)	ICP, Open vessel	0009	1.6464	1.5728	1.61	0.79	1.552	0.0727	89	
032.31	Potassium (%)	AAS, Dry ash	0529	1.59	1.63	1.61	0.80	1.552	0.0727	89	
032.42	Potassium (%)	ICP, Open vessel	0190	1.61	1.61	1.61	0.80	1.552	0.0727	89	7
032.43	Potassium (%)	ICP, Microwave	0035	1.6	1.63	1.615	0.87	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	0610	1.62	1.62	1.62	0.94	1.552	0.0727	89	7
032.41	Potassium (%)	ICP, Dry ash	0226	1.62	1.62	1.62	0.94	1.552	0.0727	89	7
032.42	Potassium (%)	ICP, Open vessel	0042	1.63	1.63	1.63	1.07	1.552	0.0727	89	7
032.43	Potassium (%)	ICP, Microwave	2481	1.62	1.65	1.635	1.14	1.552	0.0727	89	
032.52	Potassium (%)	ICP-MS, Open vessel	0560	1.637	1.639	1.638	1.18	1.552	0.0727	89	
032.53	Potassium (%)	ICP-MS, Microwave	0407	1.6496	1.6505	1.65	1.35	1.552	0.0727	89	
032.43	Potassium (%)	ICP, Microwave	2532	1.68	1.65	1.665	1.55	1.552	0.0727	89	
032.41	Potassium (%)	ICP, Dry ash	0674	1.68	1.68	1.68	1.76	1.552	0.0727	89	7
032.42	Potassium (%)	ICP, Open vessel	0047	1.7	1.7	1.7	2.04	1.552	0.0727	89	7
032.43	Potassium (%)	ICP, Microwave	0011	1.68	1.75	1.715	2.24	1.552	0.0727	89	
032.42	Potassium (%)	ICP, Open vessel	0186	1.7692	1.7466	1.758	2.83	1.552	0.0727	89	
032.99	Potassium (%)	Miscellaneous	2517	1.83	1.83	1.83	3.82	1.552	0.0727	89	7
032.42	Potassium (%)	ICP, Open vessel	2129	1.965	1.784	1.874	4.44	1.552	0.0727	89	1
032.42	Potassium (%)	ICP, Open vessel	0726	1.85	1.99	1.92	5.06	1.552	0.0727	89	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
<b>Salt (%)</b>											
033.99	Salt (%)	Miscellaneous	0358	0.46	0.47	0.465	-6.81	0.8136	0.0512	38	
033.99	Salt (%)	Miscellaneous	0042	0.465	0.467	0.466	-6.79	0.8136	0.0512	38	
033.99	Salt (%)	Miscellaneous	0300	0.543	0.494	0.5185	-5.77	0.8136	0.0512	38	
033.01	Salt as chloride (%)	Poten Cl	2465	0.54	0.57	0.555	-5.05	0.8136	0.0512	38	
033.05	Salt as chloride (%)	Ion Sel Electrode	0278	0.78	0.72	0.75	-1.24	0.8136	0.0512	38	
033.00	Salt as chloride (%)	Sol Cl	2453	0.7668	0.7581	0.7624	-1.00	0.8136	0.0512	38	
033.00	Salt as chloride (%)	Sol Cl	2196	0.77	0.77	0.77	-0.85	0.8136	0.0512	38	7
033.00	Salt as chloride (%)	Sol Cl	0693	0.79	0.76	0.775	-0.75	0.8136	0.0512	38	
033.03	Salt as chloride (%)	Quantab	2076	0.8	0.75	0.775	-0.75	0.8136	0.0512	38	
033.00	Salt as chloride (%)	Sol Cl	0045	0.77	0.791	0.7805	-0.65	0.8136	0.0512	38	
033.99	Salt (%)	Miscellaneous	0910	0.78	0.79	0.785	-0.56	0.8136	0.0512	38	
033.01	Salt as chloride (%)	Poten Cl	0229	0.76	0.81	0.785	-0.56	0.8136	0.0512	38	
033.01	Salt as chloride (%)	Poten Cl	0510	0.79	0.79	0.79	-0.46	0.8136	0.0512	38	7
033.01	Salt as chloride (%)	Poten Cl	0226	0.79	0.8	0.795	-0.36	0.8136	0.0512	38	
033.99	Salt (%)	Miscellaneous	0650	0.8	0.799	0.7995	-0.27	0.8136	0.0512	38	
033.00	Salt as chloride (%)	Sol Cl	2506	0.79	0.81	0.8	-0.27	0.8136	0.0512	38	
033.01	Salt as chloride (%)	Poten Cl	0148	0.808	0.808	0.808	-0.11	0.8136	0.0512	38	7
033.01	Salt as chloride (%)	Poten Cl	0948	0.82	0.81	0.815	0.03	0.8136	0.0512	38	
033.00	Salt as chloride (%)	Sol Cl	2525	0.84	0.8	0.82	0.13	0.8136	0.0512	38	
033.99	Salt (%)	Miscellaneous	2517	0.83	0.82	0.825	0.22	0.8136	0.0512	38	
033.01	Salt as chloride (%)	Poten Cl	2517	0.83	0.82	0.825	0.22	0.8136	0.0512	38	
033.01	Salt as chloride (%)	Poten Cl	0354	0.83	0.82	0.825	0.22	0.8136	0.0512	38	
033.01	Salt as chloride (%)	Poten Cl	0682	0.82	0.84	0.83	0.32	0.8136	0.0512	38	
033.01	Salt as chloride (%)	Poten Cl	0242	0.83	0.83	0.83	0.32	0.8136	0.0512	38	7

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
033.01	Salt as chloride (%)	Poten Cl	0227	0.83	0.83	0.83	0.32	0.8136	0.0512	38	7
033.01	Salt as chloride (%)	Poten Cl	0100	0.83	0.83	0.83	0.32	0.8136	0.0512	38	7
033.01	Salt as chloride (%)	Poten Cl	0407	0.829	0.835	0.832	0.36	0.8136	0.0512	38	
033.01	Salt as chloride (%)	Poten Cl	0098	0.83	0.84	0.835	0.42	0.8136	0.0512	38	
033.99	Salt (%)	Miscellaneous	2129	0.8373	0.8527	0.845	0.61	0.8136	0.0512	38	
033.01	Salt as chloride (%)	Poten Cl	0089	0.85	0.86	0.855	0.81	0.8136	0.0512	38	
033.00	Salt as chloride (%)	Sol Cl	0353	0.86	0.86	0.86	0.91	0.8136	0.0512	38	7
033.03	Salt as chloride (%)	Quantab	0726	0.86	0.86	0.86	0.91	0.8136	0.0512	38	7
033.01	Salt as chloride (%)	Poten Cl	0083	0.86	0.86	0.86	0.91	0.8136	0.0512	38	7
033.00	Salt as chloride (%)	Sol Cl	0539	0.86	0.87	0.865	1.00	0.8136	0.0512	38	
033.99	Salt (%)	Miscellaneous	2181	0.89	0.87	0.88	1.30	0.8136	0.0512	38	
033.01	Salt as chloride (%)	Poten Cl	2268	0.89	0.91	0.9	1.69	0.8136	0.0512	38	
033.01	Salt as chloride (%)	Poten Cl	0186	0.93	0.88	0.905	1.79	0.8136	0.0512	38	
033.00	Salt as chloride (%)	Sol Cl	0366	0.96	0.94	0.95	2.67	0.8136	0.0512	38	

**Selenium (ppm)**

034.42	Selenium (ppm)	ICP, Open vessel	0692	<1	<1	<1		0.503	0.0706	19	6
034.42	Selenium (ppm)	ICP, Open vessel	0096	<20	<20	<20		0.503	0.0706	19	6
034.43	Selenium (ppm)	ICP, Microwave	0682	<5	<5	<5		0.503	0.0706	19	6
034.43	Selenium (ppm)	ICP, Microwave	2476	0	0	0		0.503	0.0706	19	5
034.99	Selenium (ppm)	Miscellaneous	2302	0	0	0		0.503	0.0706	19	5
034.04	Selenium (ppm)	AA, Hydride	0563	0.2421	0.2456	0.2438	-3.67	0.503	0.0706	19	
034.04	Selenium (ppm)	AA, Hydride	0045	0.334	0.507	0.4205	-1.17	0.503	0.0706	19	
034.53	Selenium (ppm)	ICP-MS, Microwave	0227	0.421	0.472	0.4465	-0.80	0.503	0.0706	19	
034.52	Selenium (ppm)	ICP-MS, Open vessel	0560	0.45	0.46	0.455	-0.68	0.503	0.0706	19	
034.52	Selenium (ppm)	ICP-MS, Open vessel	0096	0.4428	0.4728	0.4578	-0.64	0.503	0.0706	19	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
034.53	Selenium (ppm)	ICP-MS, Microwave	0033	0.488	0.429	0.4585	-0.63	0.503	0.0706	19	
034.43	Selenium (ppm)	ICP, Microwave	0066	0.455	0.472	0.4635	-0.56	0.503	0.0706	19	
034.53	Selenium (ppm)	ICP-MS, Microwave	0553	0.409	0.533	0.471	-0.45	0.503	0.0706	19	
034.53	Selenium (ppm)	ICP-MS, Microwave	0610	0.5	0.45	0.475	-0.40	0.503	0.0706	19	
034.01	Selenium (ppm)	Fluor	0038	0.469	0.484	0.4765	-0.38	0.503	0.0706	19	
034.53	Selenium (ppm)	ICP-MS, Microwave	0009	0.4806	0.5461	0.5134	0.15	0.503	0.0706	19	
034.52	Selenium (ppm)	ICP-MS, Open vessel	0042	0.535	0.511	0.523	0.28	0.503	0.0706	19	
034.52	Selenium (ppm)	ICP-MS, Open vessel	0910	0.54	0.54	0.54	0.52	0.503	0.0706	19	7
034.43	Selenium (ppm)	ICP, Microwave	0278	0.56	0.52	0.54	0.52	0.503	0.0706	19	
034.04	Selenium (ppm)	AA, Hydride	0169	0.56	0.54	0.55	0.67	0.503	0.0706	19	
034.53	Selenium (ppm)	ICP-MS, Microwave	0939	0.58	0.56	0.57	0.95	0.503	0.0706	19	
034.52	Selenium (ppm)	ICP-MS, Open vessel	0186	0.5876	0.5929	0.5902	1.23	0.503	0.0706	19	
034.53	Selenium (ppm)	ICP-MS, Microwave	0407	0.5783	0.6221	0.6002	1.38	0.503	0.0706	19	
034.99	Selenium (ppm)	Miscellaneous	0190	1.01	1.04	1.025	7.39	0.503	0.0706	19	
034.99	Selenium (ppm)	Miscellaneous	2517	2	1	1.5	14.11	0.503	0.0706	19	1

**Sodium (%)**

035.31	Sodium (%)	AAS, Dry ash	0536	0.132	0.146	0.139	-3.35	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0674	0.15	0.15	0.15	-2.46	0.1803	0.0123	86	7
035.43	Sodium (%)	ICP, Microwave	0682	0.15	0.16	0.155	-2.05	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0357	0.1559	0.1547	0.1553	-2.03	0.1803	0.0123	86	
035.53	Sodium (%)	ICP-MS, Microwave	0939	0.16	0.16	0.16	-1.65	0.1803	0.0123	86	7
035.52	Sodium (%)	ICP-MS, Open vessel	0154	0.164	0.1611	0.1626	-1.44	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0505	0.164	0.166	0.165	-1.24	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	2532	0.16	0.17	0.165	-1.24	0.1803	0.0123	86	
035.99	Sodium (%)	Miscellaneous	0100	0.15	0.18	0.165	-1.24	0.1803	0.0123	86	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
035.43	Sodium (%)	ICP, Microwave	2326	0.165	0.167	0.166	-1.16	0.1803	0.0123	86	
035.53	Sodium (%)	ICP-MS, Microwave	0553	0.169	0.164	0.1665	-1.12	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0723	0.1666	0.1713	0.169	-0.92	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	0096	0.1643	0.1737	0.169	-0.92	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	0278	0.17	0.17	0.17	-0.84	0.1803	0.0123	86	7
035.43	Sodium (%)	ICP, Microwave	0511	0.17	0.17	0.17	-0.84	0.1803	0.0123	86	7
035.42	Sodium (%)	ICP, Open vessel	0692	0.17	0.17	0.17	-0.84	0.1803	0.0123	86	7
035.43	Sodium (%)	ICP, Microwave	0226	0.17	0.17	0.17	-0.84	0.1803	0.0123	86	7
035.99	Sodium (%)	Miscellaneous	0242	0.17	0.17	0.17	-0.84	0.1803	0.0123	86	7
035.41	Sodium (%)	ICP, Dry ash	0229	0.17	0.17	0.17	-0.84	0.1803	0.0123	86	7
035.43	Sodium (%)	ICP, Microwave	0610	0.17	0.17	0.17	-0.84	0.1803	0.0123	86	7
035.42	Sodium (%)	ICP, Open vessel	0504	0.167	0.174	0.1705	-0.80	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0918	0.178	0.165	0.1715	-0.71	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	0693	0.182	0.161	0.1715	-0.71	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0043	0.1803	0.1627	0.1715	-0.71	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	0045	0.174	0.17	0.172	-0.67	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0019	0.175	0.17	0.1725	-0.63	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0066	0.167	0.178	0.1725	-0.63	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	0294	0.17	0.18	0.175	-0.43	0.1803	0.0123	86	
035.31	Sodium (%)	AAS, Dry ash	0939	0.17	0.18	0.175	-0.43	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	2319	0.1731	0.1774	0.1752	-0.41	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	2129	0.1882	0.1634	0.1758	-0.37	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0407	0.174	0.178	0.176	-0.35	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0001	0.179	0.173	0.176	-0.35	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0668	0.1666	0.186	0.1763	-0.33	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0598	0.1732	0.1801	0.1766	-0.30	0.1803	0.0123	86	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
035.43	Sodium (%)	ICP, Microwave	0354	0.175	0.179	0.177	-0.27	0.1803	0.0123	86	
035.31	Sodium (%)	AAS, Dry ash	0563	0.1786	0.176	0.1773	-0.24	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0353	0.1766	0.1783	0.1774	-0.23	0.1803	0.0123	86	
035.53	Sodium (%)	ICP-MS, Microwave	0407	0.1779	0.1787	0.1783	-0.16	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0028	0.18	0.177	0.1785	-0.15	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0098	0.18	0.18	0.18	-0.03	0.1803	0.0123	86	7
035.41	Sodium (%)	ICP, Dry ash	0144	0.18	0.18	0.18	-0.03	0.1803	0.0123	86	7
035.41	Sodium (%)	ICP, Dry ash	0098	0.18	0.18	0.18	-0.03	0.1803	0.0123	86	7
035.42	Sodium (%)	ICP, Open vessel	0190	0.18	0.18	0.18	-0.03	0.1803	0.0123	86	7
035.41	Sodium (%)	ICP, Dry ash	0358	0.18	0.18	0.18	-0.03	0.1803	0.0123	86	7
035.52	Sodium (%)	ICP-MS, Open vessel	0096	0.1788	0.1819	0.1804	0.00	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0208	0.171	0.1897	0.1804	0.00	0.1803	0.0123	86	
035.52	Sodium (%)	ICP-MS, Open vessel	0560	0.184	0.177	0.1805	0.02	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0033	0.187	0.178	0.1825	0.18	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0171	0.181	0.185	0.183	0.22	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0964	0.1858	0.1807	0.1832	0.24	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	0042	0.183	0.184	0.1835	0.26	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0226	0.19	0.18	0.185	0.38	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0910	0.2	0.17	0.185	0.38	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0035	0.19	0.18	0.185	0.38	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0010	0.19	0.18	0.185	0.38	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	2481	0.18	0.19	0.185	0.38	0.1803	0.0123	86	
035.52	Sodium (%)	ICP-MS, Open vessel	0186	0.1849	0.1861	0.1855	0.42	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	2476	0.195	0.177	0.186	0.46	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0968	0.187	0.185	0.186	0.46	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0876	0.186	0.187	0.1865	0.50	0.1803	0.0123	86	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
035.42	Sodium (%)	ICP, Open vessel	0186	0.1878	0.1854	0.1866	0.51	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	0366	0.193	0.182	0.1875	0.58	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0089	0.1906	0.1846	0.1876	0.59	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0407	0.1863	0.1909	0.1886	0.67	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0520	0.1929	0.1846	0.1888	0.68	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0227	0.188	0.19	0.189	0.70	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0297	0.19	0.19	0.19	0.78	0.1803	0.0123	86	7
035.05	Sodium (%)	Flame Emission	0108	0.2	0.18	0.19	0.78	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	0726	0.19	0.19	0.19	0.78	0.1803	0.0123	86	7
035.99	Sodium (%)	Miscellaneous	2302	0.19	0.19	0.19	0.78	0.1803	0.0123	86	7
035.43	Sodium (%)	ICP, Microwave	0870	0.1891	0.1954	0.1922	0.97	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0148	0.197	0.188	0.1925	0.99	0.1803	0.0123	86	
035.31	Sodium (%)	AAS, Dry ash	0529	0.194	0.192	0.193	1.03	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	0035	0.2	0.19	0.195	1.19	0.1803	0.0123	86	
035.31	Sodium (%)	AAS, Dry ash	0948	0.2	0.19	0.195	1.19	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	2433	0.1935	0.1981	0.1958	1.25	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0083	0.194	0.205	0.1995	1.55	0.1803	0.0123	86	
035.05	Sodium (%)	Flame Emission	2392	0.2	0.2	0.2	1.59	0.1803	0.0123	86	7
035.42	Sodium (%)	ICP, Open vessel	0870	0.204	0.1973	0.2006	1.65	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0300	0.214	0.194	0.204	1.92	0.1803	0.0123	86	
035.43	Sodium (%)	ICP, Microwave	0510	0.206	0.204	0.205	2.00	0.1803	0.0123	86	
035.32	Sodium (%)	AAS, Open vessel	0169	0.2	0.21	0.205	2.00	0.1803	0.0123	86	
035.42	Sodium (%)	ICP, Open vessel	0202	0.187	0.228	0.2075	2.20	0.1803	0.0123	86	1
035.31	Sodium (%)	AAS, Dry ash	2196	0.21	0.21	0.21	2.41	0.1803	0.0123	86	7
035.31	Sodium (%)	AAS, Dry ash	0038	0.23	0.205	0.2175	3.01	0.1803	0.0123	86	
035.41	Sodium (%)	ICP, Dry ash	0720	0.26	0.28	0.27	7.27	0.1803	0.0123	86	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
035.99	Sodium (%)	Miscellaneous	2465	1.13	1.13	1.13	76.94	0.1803	0.0123	86	2

**Sulfur (%)**

036.53	Sulfur (%)	ICP-MS, Microwave	0553	0.182	0.173	0.1775	-2.18	0.2146	0.017	53	
036.42	Sulfur (%)	ICP, Open vessel	0692	0.17	0.19	0.18	-2.03	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	2326	0.189	0.18	0.1845	-1.77	0.2146	0.017	53	
036.42	Sulfur (%)	ICP, Open vessel	0910	0.187	0.192	0.1895	-1.47	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0357	0.1907	0.1947	0.1927	-1.29	0.2146	0.017	53	
036.42	Sulfur (%)	ICP, Open vessel	0693	0.2	0.19	0.195	-1.15	0.2146	0.017	53	
036.42	Sulfur (%)	ICP, Open vessel	0294	0.2	0.19	0.195	-1.15	0.2146	0.017	53	
036.04	Sulfur (%)	LECO	0720	0.19	0.2	0.195	-1.15	0.2146	0.017	53	
036.04	Sulfur (%)	LECO	0229	0.2	0.19	0.195	-1.15	0.2146	0.017	53	
036.99	Sulfur (%)	Miscellaneous	0242	0.19	0.2	0.195	-1.15	0.2146	0.017	53	
036.99	Sulfur (%)	Miscellaneous	2302	0.19	0.2	0.195	-1.15	0.2146	0.017	53	
036.42	Sulfur (%)	ICP, Open vessel	0035	0.2	0.2	0.2	-0.86	0.2146	0.017	53	7
036.04	Sulfur (%)	LECO	0948	0.2	0.2	0.2	-0.86	0.2146	0.017	53	7
036.43	Sulfur (%)	ICP, Microwave	0083	0.204	0.201	0.2025	-0.71	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0043	0.2075	0.2057	0.2066	-0.47	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	2476	0.206	0.208	0.207	-0.45	0.2146	0.017	53	
036.52	Sulfur (%)	ICP-MS, Open vessel	0186	0.2124	0.2073	0.2098	-0.28	0.2146	0.017	53	
036.42	Sulfur (%)	ICP, Open vessel	0366	0.21	0.21	0.21	-0.27	0.2146	0.017	53	7
036.43	Sulfur (%)	ICP, Microwave	0510	0.21	0.21	0.21	-0.27	0.2146	0.017	53	7
036.43	Sulfur (%)	ICP, Microwave	0297	0.21	0.21	0.21	-0.27	0.2146	0.017	53	7
036.42	Sulfur (%)	ICP, Open vessel	0870	0.2127	0.2077	0.2102	-0.26	0.2146	0.017	53	
036.42	Sulfur (%)	ICP, Open vessel	0407	0.2089	0.2172	0.213	-0.09	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0407	0.2124	0.2155	0.214	-0.04	0.2146	0.017	53	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
036.42	Sulfur (%)	ICP, Open vessel	0042	0.216	0.213	0.2145	0.00	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0870	0.2125	0.2172	0.2148	0.02	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0226	0.21	0.22	0.215	0.03	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0353	0.22	0.21	0.215	0.03	0.2146	0.017	53	
036.42	Sulfur (%)	ICP, Open vessel	0227	0.22	0.21	0.215	0.03	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0033	0.216	0.215	0.2155	0.05	0.2146	0.017	53	
036.42	Sulfur (%)	ICP, Open vessel	0045	0.213	0.219	0.216	0.08	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0505	0.218	0.216	0.217	0.14	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0010	0.22	0.22	0.22	0.32	0.2146	0.017	53	7
036.43	Sulfur (%)	ICP, Microwave	0682	0.21	0.23	0.22	0.32	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0001	0.222	0.219	0.2205	0.35	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0968	0.222	0.221	0.2215	0.41	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0668	0.2126	0.2318	0.2222	0.45	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0876	0.224	0.223	0.2235	0.52	0.2146	0.017	53	
036.42	Sulfur (%)	ICP, Open vessel	0202	0.226	0.223	0.2245	0.58	0.2146	0.017	53	
036.42	Sulfur (%)	ICP, Open vessel	0190	0.23	0.22	0.225	0.61	0.2146	0.017	53	
036.04	Sulfur (%)	LECO	0226	0.22	0.23	0.225	0.61	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0964	0.22	0.2303	0.2252	0.62	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	2481	0.23	0.23	0.23	0.91	0.2146	0.017	53	7
036.04	Sulfur (%)	LECO	0001	0.246	0.214	0.23	0.91	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0035	0.23	0.23	0.23	0.91	0.2146	0.017	53	7
036.42	Sulfur (%)	ICP, Open vessel	0726	0.23	0.23	0.23	0.91	0.2146	0.017	53	7
036.42	Sulfur (%)	ICP, Open vessel	0278	0.23	0.23	0.23	0.91	0.2146	0.017	53	7
036.42	Sulfur (%)	ICP, Open vessel	0186	0.2337	0.2302	0.232	1.02	0.2146	0.017	53	
036.52	Sulfur (%)	ICP-MS, Open vessel	0560	0.231	0.234	0.2325	1.05	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0098	0.2365	0.2333	0.2349	1.20	0.2146	0.017	53	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
036.04	Sulfur (%)	LECO	0610	0.24	0.24	0.24	1.49	0.2146	0.017	53	7
036.00	Sulfur (%)	Gravimetric	0038	0.209	0.281	0.245	1.79	0.2146	0.017	53	1
036.43	Sulfur (%)	ICP, Microwave	0169	0.24	0.26	0.25	2.08	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	0918	0.279	0.226	0.2525	2.23	0.2146	0.017	53	1
036.42	Sulfur (%)	ICP, Open vessel	2129	0.27	0.2577	0.2638	2.90	0.2146	0.017	53	
036.43	Sulfur (%)	ICP, Microwave	2532	0.28	0.25	0.265	2.96	0.2146	0.017	53	

Zinc (ppm)

037.41	Zinc (ppm)	ICP, Dry ash	0520	184.516	203.944	194.2	-3.94	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0692	205	209	207	-3.22	264.3	17.81	82	
037.99	Zinc (ppm)	Miscellaneous	2302	212.66	205.44	209	-3.10	264.3	17.81	82	
037.44	Zinc (ppm)	ICP, Dry ash	0066	208.1	213.4	210.8	-3.01	264.3	17.81	82	
037.99	Zinc (ppm)	Miscellaneous	2517	221	205	213	-2.88	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0345	224.4	218.7	221.6	-2.40	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0357	223.061	228.669	225.9	-2.16	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0598	228.372	233.989	231.2	-1.86	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	2532	232.42	233.18	232.8	-1.77	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0682	232.59	235.32	234	-1.71	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0045	245	233	239	-1.42	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0009	241	248	244.5	-1.11	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0511	248	243	245.5	-1.06	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	2433	241.571	256.545	249.1	-0.86	264.3	17.81	82	
037.44	Zinc (ppm)	ICP, Dry ash	0098	257.9	241.5	249.7	-0.82	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0366	254	247	250.5	-0.78	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0870	256.089	245.04	250.6	-0.77	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0870	238.483	263.339	250.9	-0.75	264.3	17.81	82	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
037.43	Zinc (ppm)	ICP, Microwave	0510	251	251	251	-0.75	264.3	17.81	82	7
037.53	Zinc (ppm)	ICP-MS, Microwave	0939	253	249	251	-0.75	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0028	250.46	253.524	252	-0.69	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0294	247.22	256.8	252	-0.69	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	2326	255	251	253	-0.64	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0226	251.06	256.86	254	-0.58	264.3	17.81	82	
037.52	Zinc (ppm)	ICP-MS, Open vessel	0560	252.74	261.72	257.2	-0.40	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	2129	264	250.7	257.4	-0.39	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0229	247.1	268.77	257.9	-0.36	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0208	250.2	267.7	259	-0.30	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0918	264.47	254	259.2	-0.29	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0354	262.33	258.41	260.4	-0.22	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0910	265	256	260.5	-0.22	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0674	261.71	261.71	261.7	-0.15	264.3	17.81	82	7
037.31	Zinc (ppm)	AAS, Dry ash	0001	261.6	263	262.3	-0.11	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0504	257	268	262.5	-0.10	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0407	262.194	263.520	262.9	-0.08	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0723	269.124	257.416	263.3	-0.06	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0169	267	260	263.5	-0.05	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0001	253	274	263.5	-0.05	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0010	262	267	264.5	0.01	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0278	263.3	268.6	266	0.09	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0358	267.93	264.66	266.3	0.11	264.3	17.81	82	
037.52	Zinc (ppm)	ICP-MS, Open vessel	0186	268.18	264.46	266.3	0.11	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0096	263.527	269.762	266.6	0.13	264.3	17.81	82	
037.44	Zinc (ppm)	ICP, Dry ash	0227	251	283	267	0.15	264.3	17.81	82	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
037.43	Zinc (ppm)	ICP, Microwave	0083	264.11	270	267.1	0.15	264.3	17.81	82	
037.31	Zinc (ppm)	AAS, Dry ash	0939	264.9	269.3	267.1	0.16	264.3	17.81	82	
037.31	Zinc (ppm)	AAS, Dry ash	0948	271.93	263.84	267.9	0.20	264.3	17.81	82	
037.53	Zinc (ppm)	ICP-MS, Microwave	0553	264	272	268	0.21	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0505	268.6	267.4	268	0.21	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0019	264.65	273.05	268.8	0.25	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0968	271.188	266.56	268.9	0.25	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0027	268.52	270.19	269.4	0.28	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0407	250.538	289.546	270	0.32	264.3	17.81	82	
037.53	Zinc (ppm)	ICP-MS, Microwave	0407	262.891	277.461	270.2	0.33	264.3	17.81	82	
037.31	Zinc (ppm)	AAS, Dry ash	0921	262.71	278.35	270.5	0.35	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	2319	271.201	272.297	271.7	0.42	264.3	17.81	82	
037.31	Zinc (ppm)	AAS, Dry ash	0563	271.16	274.42	272.8	0.47	264.3	17.81	82	
037.52	Zinc (ppm)	ICP-MS, Open vessel	0096	264.656	281.426	273	0.49	264.3	17.81	82	
037.31	Zinc (ppm)	AAS, Dry ash	2196	273.16	273.16	273.2	0.50	264.3	17.81	82	7
037.43	Zinc (ppm)	ICP, Microwave	0964	270	277	273.5	0.51	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0353	273	275	274	0.54	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0171	274.2	275.5	274.8	0.59	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0226	281.42	274.7	278.1	0.77	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	2476	279	278.41	278.7	0.81	264.3	17.81	82	
037.99	Zinc (ppm)	Miscellaneous	0242	286	272	279	0.82	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0148	275.54	284.42	280	0.88	264.3	17.81	82	
037.32	Zinc (ppm)	AAS, Open vessel	0038	272	288	280	0.88	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0876	281	280.5	280.8	0.92	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0035	279	283	281	0.94	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0033	287	278	282.5	1.02	264.3	17.81	82	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
037.42	Zinc (ppm)	ICP, Open vessel	0035	292	276	284	1.10	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0098	281.3	287	284.2	1.11	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0726	282	288	285	1.16	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0190	282.52	287.93	285.2	1.17	264.3	17.81	82	
037.31	Zinc (ppm)	AAS, Dry ash	2188	289.45	283.12	286.3	1.23	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0202	305	268	286.5	1.24	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0693	286	288	287	1.27	264.3	17.81	82	
037.42	Zinc (ppm)	ICP, Open vessel	0042	280	298	289	1.38	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0610	286	293	289.5	1.41	264.3	17.81	82	
037.99	Zinc (ppm)	Miscellaneous	0100	290	305	297.5	1.86	264.3	17.81	82	
037.43	Zinc (ppm)	ICP, Microwave	0297	297	298	297.5	1.86	264.3	17.81	82	
037.41	Zinc (ppm)	ICP, Dry ash	0720	282.39	385.71	334	3.91	264.3	17.81	82	1
037.43	Zinc (ppm)	ICP, Microwave	2481	338.59	337.69	338.1	4.14	264.3	17.81	82	

Molybdenum (ppm)

038.42	Molybdenum (ppm)	ICP, Open vessel	0096	<2	<2	<2		1.572	0.2246	19	6
038.99	Molybdenum (ppm)	Miscellaneous	2517	0	0	0		1.572	0.2246	19	5
038.43	Molybdenum (ppm)	ICP, Microwave	0353	1.0197	0.8397	0.9297	-2.86	1.572	0.2246	19	
038.52	Molybdenum (ppm)	ICP-MS, Open vessel	0910	1.16	1.17	1.165	-1.81	1.572	0.2246	19	
038.43	Molybdenum (ppm)	ICP, Microwave	0083	1.3	1.34	1.32	-1.12	1.572	0.2246	19	
038.52	Molybdenum (ppm)	ICP-MS, Open vessel	0560	1.36	1.32	1.34	-1.04	1.572	0.2246	19	
038.41	Molybdenum (ppm)	ICP, Dry ash	0407	1.3786	1.4407	1.41	-0.72	1.572	0.2246	19	
038.43	Molybdenum (ppm)	ICP, Microwave	0297	1.4	1.6	1.5	-0.32	1.572	0.2246	19	
038.43	Molybdenum (ppm)	ICP, Microwave	0510	1.5	1.5	1.5	-0.32	1.572	0.2246	19	7
038.52	Molybdenum (ppm)	ICP-MS, Open vessel	0096	1.5553	1.5532	1.554	-0.08	1.572	0.2246	19	
038.52	Molybdenum (ppm)	ICP-MS, Open vessel	0186	1.6	1.58	1.59	0.08	1.572	0.2246	19	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
038.41	Molybdenum (ppm)	ICP, Dry ash	0226	1.61	1.62	1.615	0.19	1.572	0.2246	19	
038.43	Molybdenum (ppm)	ICP, Microwave	0407	1.6029	1.6279	1.615	0.19	1.572	0.2246	19	
038.53	Molybdenum (ppm)	ICP-MS, Microwave	0227	1.59	1.68	1.635	0.28	1.572	0.2246	19	
038.42	Molybdenum (ppm)	ICP, Open vessel	0202	1.35	1.96	1.655	0.37	1.572	0.2246	19	1
038.42	Molybdenum (ppm)	ICP, Open vessel	0278	1.55	1.77	1.66	0.39	1.572	0.2246	19	
038.42	Molybdenum (ppm)	ICP, Open vessel	0045	1.62	1.71	1.665	0.41	1.572	0.2246	19	
038.42	Molybdenum (ppm)	ICP, Open vessel	0692	1.75	1.68	1.715	0.63	1.572	0.2246	19	
038.53	Molybdenum (ppm)	ICP-MS, Microwave	0407	1.6757	1.7588	1.717	0.64	1.572	0.2246	19	
038.42	Molybdenum (ppm)	ICP, Open vessel	0693	2	1.5	1.75	0.79	1.572	0.2246	19	
038.43	Molybdenum (ppm)	ICP, Microwave	2476	1.88	2.18	2.03	2.04	1.572	0.2246	19	
038.42	Molybdenum (ppm)	ICP, Open vessel	0366	2.1	2	2.05	2.13	1.572	0.2246	19	

**Barium (ppm)**

040.52	Barium (ppm)	ICP-MS, Open vessel	0096	29.4368	29.3977	29.42	-0.96	32.12	2.812	3	
040.53	Barium (ppm)	ICP-MS, Microwave	0407	31.7847	32.0222	31.9	-0.08	32.12	2.812	3	
040.43	Barium (ppm)	ICP, Microwave	2481	34.98	35.08	35.03	1.04	32.12	2.812	3	

**Vanadium (ppm)**

041.53	Vanadium (ppm)	ICP-MS, Microwave	0407	0.8513	0.8577	0.8545					
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**Chloride (%)**

042.99	Chloride (%)	Miscellaneous	2302	0.45	0.47	0.46	-1.60	0.4976	0.0235	14	
042.00	Chloride (%)	Titrimetric	2200	0.46	0.47	0.465	-1.39	0.4976	0.0235	14	
042.99	Chloride (%)	Miscellaneous	2517	0.476	0.487	0.4815	-0.69	0.4976	0.0235	14	
042.00	Chloride (%)	Titrimetric	0226	0.48	0.49	0.485	-0.54	0.4976	0.0235	14	
042.00	Chloride (%)	Titrimetric	2506	0.48	0.49	0.485	-0.54	0.4976	0.0235	14	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
042.00	Chloride (%)	Titrimetric	0948	0.5	0.49	0.495	-0.11	0.4976	0.0235	14	
042.00	Chloride (%)	Titrimetric	2525	0.51	0.48	0.495	-0.11	0.4976	0.0235	14	
042.00	Chloride (%)	Titrimetric	0720	0.5	0.5	0.5	0.10	0.4976	0.0235	14	7
042.00	Chloride (%)	Titrimetric	2433	0.5042	0.5042	0.5042	0.28	0.4976	0.0235	14	7
042.00	Chloride (%)	Titrimetric	2392	0.506	0.51	0.508	0.44	0.4976	0.0235	14	
042.00	Chloride (%)	Titrimetric	2129	0.5079	0.5172	0.5126	0.64	0.4976	0.0235	14	
042.99	Chloride (%)	Miscellaneous	0297	0.53	0.5	0.515	0.74	0.4976	0.0235	14	
042.00	Chloride (%)	Titrimetric	2326	0.52	0.53	0.525	1.17	0.4976	0.0235	14	
042.99	Chloride (%)	Miscellaneous	2465	0.579	0.597	0.588	3.85	0.4976	0.0235	14	

**Choline Chloride (ppm)**

101.99	Choline Chloride (ppm)	Miscellaneous	0227	1340	1310	1325
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**Niacin (ppm)**

102.02	Niacin (ppm)	LC	2319	60.682	63.815	62.25
102.01	Niacin (ppm)	Microbiological	0227	121	130	125.5

**Pantothenic Acid (ppm)**

103.01	Pantothenic Acid (ppm)	Microbiological	0227	43.6	44.5	44.05
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**Riboflavin (ppm)**

104.03	Riboflavin (ppm)	LC	0910	15.73	15.78	15.76	-0.88	19.31	4.036	6
104.03	Riboflavin (ppm)	LC	0208	16.1	17	16.55	-0.68	19.31	4.036	6
104.03	Riboflavin (ppm)	LC	0171	17.3	17.6	17.45	-0.46	19.31	4.036	6
104.03	Riboflavin (ppm)	LC	2319	20.71	18.9	19.8	0.12	19.31	4.036	6
104.00	Riboflavin (ppm)	Fluorometric	0227	20.7	21.2	20.95	0.41	19.31	4.036	6

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
104.03	Riboflavin (ppm)	LC	0027	25.8316	27.9888	26.91	1.88	19.31	4.036	6	

**Thiamine (ppm)**

105.00	Thiamine (ppm)	LC	2319	15.7485	14.3818	15.07	-1.41	24.82	6.931	5	
105.00	Thiamine (ppm)	LC	0208	19	22.7	20.85	-0.57	24.82	6.931	5	
105.00	Thiamine (ppm)	LC	0027	26.2297	25.5604	25.9	0.16	24.82	6.931	5	
105.01	Thiamine (ppm)	Fluorometer	0227	29.87	31.65	30.76	0.86	24.82	6.931	5	
105.00	Thiamine (ppm)	LC	0910	30.07	32.96	31.52	0.97	24.82	6.931	5	

**Vitamin A (KU/kg)**

106.02	Vitamin A (KU/kg)	LC	0563	3.6845	4.5149	4.1	-1.96	8.295	2.137	10	
106.02	Vitamin A (KU/kg)	LC	0610	6.5	6.3	6.4	-0.89	8.295	2.137	10	
106.02	Vitamin A (KU/kg)	LC	2319	6.7859	6.6125	6.699	-0.75	8.295	2.137	10	
106.02	Vitamin A (KU/kg)	LC	2103	8.286	6.148	7.217	-0.50	8.295	2.137	10	
106.02	Vitamin A (KU/kg)	LC	0038	9.03	7.82	8.425	0.06	8.295	2.137	10	
106.02	Vitamin A (KU/kg)	LC	0910	9.7	7.6	8.65	0.17	8.295	2.137	10	
106.02	Vitamin A (KU/kg)	LC	0036	8.5	10.9	9.7	0.66	8.295	2.137	10	
106.02	Vitamin A (KU/kg)	LC	0921	9.0514	10.7656	9.908	0.76	8.295	2.137	10	
106.00	Vitamin A (KU/kg)	Color	0227	10.3	9.52	9.91	0.76	8.295	2.137	10	
106.01	Vitamin A (KU/kg)	UV	0098	11.3	10.6	10.95	1.24	8.295	2.137	10	
106.02	Vitamin A (KU/kg)	LC	0171	2850	2275	2562	>100	8.295	2.137	10	3

**Vitamin B12 (ppb)**

107.99	Vitamin B12 (ppb)	Miscellaneous	0227	26.4	26	26.2					
107.00	Vitamin B12 (ppb)	Microbiological	0227	29.5	31.4	30.45					

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
<b>Vitamin D3 (KU/kg)</b>											
108.02	Vitamin D3 (KU/kg)	LC	0910	0.55	0.72	0.635	-1.39	1.084	0.3229	5	
108.02	Vitamin D3 (KU/kg)	LC	2319	0.995	0.993	0.994	-0.28	1.084	0.3229	5	
108.02	Vitamin D3 (KU/kg)	LC	0870	1.228	1	1.114	0.09	1.084	0.3229	5	
108.99	Vitamin D3 (KU/kg)	Miscellaneous	0010	1.087	1.193	1.14	0.17	1.084	0.3229	5	
108.02	Vitamin D3 (KU/kg)	LC	0208	1.88	0.934	1.407	1.00	1.084	0.3229	5	1
108.02	Vitamin D3 (KU/kg)	LC	0227	1.51	1.56	1.535	1.40	1.084	0.3229	5	
<b>Vitamin E (IU/kg)</b>											
109.02	Vitamin E (IU/kg)	LC	2319	242.74	242.998	242.9	-1.42	305.7	44.27	10	
109.02	Vitamin E (IU/kg)	LC	0563	266.686	279.652	273.2	-0.74	305.7	44.27	10	
109.02	Vitamin E (IU/kg)	LC	0036	274.9	273.2	274	-0.72	305.7	44.27	10	
109.02	Vitamin E (IU/kg)	LC	0098	263	300	281.5	-0.55	305.7	44.27	10	
109.02	Vitamin E (IU/kg)	LC	0910	302	301	301.5	-0.10	305.7	44.27	10	
109.02	Vitamin E (IU/kg)	LC	0242	318	301	309.5	0.09	305.7	44.27	10	
109.99	Vitamin E (IU/kg)	Miscellaneous	0171	328	315	321.5	0.36	305.7	44.27	10	
109.02	Vitamin E (IU/kg)	LC	0610	335	342	338.5	0.74	305.7	44.27	10	
109.02	Vitamin E (IU/kg)	LC	0227	344	341	342.5	0.83	305.7	44.27	10	
109.02	Vitamin E (IU/kg)	LC	0870	490.614	472.691	481.7	3.97	305.7	44.27	10	
<b>Vitamin C, Phosphorylated (ppm)</b>											
111.00	Vitamin C, Phosphorylated ( LC		0227	178	185	181.5					
111.00	Vitamin C, Phosphorylated ( LC		0208	336	295	315.5					

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
<b>Pyridoxine (ppm)</b>											
112.01	Pyridoxine (ppm)	LC	<b>2319</b>	2.12	2.06	<b>2.09</b>					
112.01	Pyridoxine (ppm)	LC	<b>0227</b>	4.45	4.55	<b>4.5</b>					
<b>Folic acid (ppm)</b>											
113.02	Folic acid (ppm)	LC	<b>2319</b>	<0.12	0.15	<b>&lt;0.12</b>					6
113.01	Folic Acid (ppm)	Micro	<b>0227</b>	1.26	1.65	<b>1.455</b>					
<b>Biotin (ppm)</b>											
114.99	Biotin (ppm)	Miscellaneous	<b>0227</b>	0.167	0.177	<b>0.172</b>					
<b>Non Protein N (NPN) (%)</b>											
115.00	Non Protein N (NPN) (%)	Urea + Am, Urease method	<b>0407</b>	0.558	0.575	<b>0.5665</b>					
115.00	Non Protein N (NPN) (%)	Urea + Am, Urease method	<b>0098</b>	1.38	1.39	<b>1.385</b>					
<b>Alanine (%)</b>											
120.05	Alanine (%)	Pre-col AQC Der	<b>0407</b>	0.594	0.616	<b>0.605</b>	<b>-1.90</b>	0.6325	0.0145	13	
120.00	Alanine (%)	Post-col Ninhydrin Der	<b>0353</b>	0.6	0.63	<b>0.615</b>	<b>-1.21</b>	0.6325	0.0145	13	
120.05	Alanine (%)	Pre-col AQC Der	<b>0682</b>	0.637	0.603	<b>0.62</b>	<b>-0.86</b>	0.6325	0.0145	13	
120.00	Alanine (%)	Post-col Ninhydrin Der	<b>0226</b>	0.6171	0.6244	<b>0.6208</b>	<b>-0.81</b>	0.6325	0.0145	13	
120.00	Alanine (%)	Post-col Ninhydrin Der	<b>0723</b>	0.631	0.631	<b>0.631</b>	<b>-0.10</b>	0.6325	0.0145	13	7
120.05	Alanine (%)	Pre-col AQC Der	<b>2319</b>	0.6475	0.6211	<b>0.6343</b>	<b>0.13</b>	0.6325	0.0145	13	
120.05	Alanine (%)	Pre-col AQC Der	<b>0870</b>	0.637	0.632	<b>0.6345</b>	<b>0.14</b>	0.6325	0.0145	13	
120.00	Alanine (%)	Post-col Ninhydrin Der	<b>0939</b>	0.63	0.64	<b>0.635</b>	<b>0.17</b>	0.6325	0.0145	13	
120.02	Alanine (%)	Post-col OPA Der	<b>0098</b>	0.638	0.636	<b>0.637</b>	<b>0.31</b>	0.6325	0.0145	13	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
120.00	Alanine (%)	Post-col Ninhydrin Der	0227	0.65	0.63	0.64	0.52	0.6325	0.0145	13	
120.05	Alanine (%)	Pre-col AQC Der	2188	0.6403	0.6454	0.6428	0.72	0.6325	0.0145	13	
120.00	Alanine (%)	Post-col Ninhydrin Der	0354	0.649	0.645	0.647	1.00	0.6325	0.0145	13	
120.05	Alanine (%)	Pre-col AQC Der	2196	0.684	0.684	0.684	3.56	0.6325	0.0145	13	7
120.00	Alanine (%)	Post-col Ninhydrin Der	0910	0.6	63	31.8	>100	0.6325	0.0145	13	3

**Arginine (%)**

121.05	Arginine (%)	Pre-col AQC Der	0870	0.59	0.624	0.607	-2.86	0.69	0.029	15	
121.02	Arginine (%)	Post-col OPA Der	0098	0.652	0.656	0.654	-1.24	0.69	0.029	15	
121.00	Arginine (%)	Post-col Ninhydrin Der	0504	0.66	0.67	0.665	-0.86	0.69	0.029	15	
121.00	Arginine (%)	Post-col Ninhydrin Der	0226	0.6676	0.6708	0.6692	-0.72	0.69	0.029	15	
121.00	Arginine (%)	Post-col Ninhydrin Der	0353	0.68	0.68	0.68	-0.35	0.69	0.029	15	7
121.00	Arginine (%)	Post-col Ninhydrin Der	0939	0.68	0.69	0.685	-0.17	0.69	0.029	15	
121.00	Arginine (%)	Post-col Ninhydrin Der	0354	0.691	0.683	0.687	-0.10	0.69	0.029	15	
121.05	Arginine (%)	Pre-col AQC Der	2319	0.6909	0.6869	0.6889	-0.04	0.69	0.029	15	
121.00	Arginine (%)	Post-col Ninhydrin Der	0227	0.7	0.68	0.69	0.00	0.69	0.029	15	
121.00	Arginine (%)	Post-col Ninhydrin Der	0723	0.694	0.694	0.694	0.14	0.69	0.029	15	7
121.05	Arginine (%)	Pre-col AQC Der	2188	0.6907	0.7105	0.7006	0.36	0.69	0.029	15	
121.00	Arginine (%)	Post-col Ninhydrin Der	0910	0.7	0.72	0.71	0.69	0.69	0.029	15	
121.05	Arginine (%)	Pre-col AQC Der	0682	0.735	0.694	0.7145	0.84	0.69	0.029	15	
121.05	Arginine (%)	Pre-col AQC Der	2196	0.732	0.732	0.732	1.45	0.69	0.029	15	7
121.05	Arginine (%)	Pre-col AQC Der	0407	0.801	0.815	0.808	4.06	0.69	0.029	15	

**Aspartic (%)**

122.05	Aspartic (%)	Pre-col AQC Der	0407	1.144	1.278	1.211	-2.38	1.286	0.0317	15	
122.00	Aspartic (%)	Post-col Ninhydrin Der	0226	1.2355	1.2231	1.229	-1.80	1.286	0.0317	15	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
122.00	Aspartic (%)	Post-col Ninhydrin Der	0939	1.26	1.27	1.265	-0.67	1.286	0.0317	15	
122.05	Aspartic (%)	Pre-col AQC Der	0870	1.269	1.285	1.277	-0.29	1.286	0.0317	15	
122.05	Aspartic (%)	Pre-col AQC Der	2319	1.2927	1.2637	1.278	-0.26	1.286	0.0317	15	
122.00	Aspartic (%)	Post-col Ninhydrin Der	0910	1.27	1.29	1.28	-0.20	1.286	0.0317	15	
122.00	Aspartic (%)	Post-col Ninhydrin Der	0504	1.25	1.31	1.28	-0.20	1.286	0.0317	15	
122.05	Aspartic (%)	Pre-col AQC Der	2188	1.2831	1.2837	1.283	-0.09	1.286	0.0317	15	
122.00	Aspartic (%)	Post-col Ninhydrin Der	0227	1.3	1.27	1.285	-0.04	1.286	0.0317	15	
122.00	Aspartic (%)	Post-col Ninhydrin Der	0723	1.29	1.28	1.285	-0.04	1.286	0.0317	15	
122.00	Aspartic (%)	Post-col Ninhydrin Der	0354	1.305	1.291	1.298	0.37	1.286	0.0317	15	
122.00	Aspartic (%)	Post-col Ninhydrin Der	0353	1.25	1.36	1.305	0.59	1.286	0.0317	15	
122.05	Aspartic (%)	Pre-col AQC Der	0682	1.342	1.284	1.313	0.84	1.286	0.0317	15	
122.02	Aspartic (%)	Post-col OPA Der	0098	1.352	1.382	1.367	2.54	1.286	0.0317	15	
122.05	Aspartic (%)	Pre-col AQC Der	2196	1.37	1.37	1.37	2.64	1.286	0.0317	15	7

**Cysteine/Cystine (%)**

124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	2319	0.1637	0.1682	0.166	-1.83	0.2161	0.0273	14	
124.02	Cysteine/Cystine (%)	PAO Post-col OPA Der	0227	0.18	0.18	0.18	-1.32	0.2161	0.0273	14	7
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	0723	0.202	0.202	0.202	-0.51	0.2161	0.0273	14	7
124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	2196	0.202	0.202	0.202	-0.51	0.2161	0.0273	14	7
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	0910	0.2	0.21	0.205	-0.40	0.2161	0.0273	14	
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	0939	0.21	0.21	0.21	-0.22	0.2161	0.0273	14	7
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	0353	0.21	0.21	0.21	-0.22	0.2161	0.0273	14	7
124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	0682	0.219	0.207	0.213	-0.11	0.2161	0.0273	14	
124.02	Cysteine/Cystine (%)	PAO Post-col OPA Der	0098	0.216	0.224	0.22	0.14	0.2161	0.0273	14	
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	0226	0.2237	0.2209	0.2223	0.23	0.2161	0.0273	14	
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	0354	0.205	0.246	0.2255	0.35	0.2161	0.0273	14	1

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
124.00	Cysteine/Cystine (%)	PAO Post-col Ninhydri	0504	0.22	0.25	0.235	0.69	0.2161	0.0273	14	
124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	0870	0.251	0.241	0.246	1.10	0.2161	0.0273	14	
124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	0407	0.2442	0.2506	0.2474	1.15	0.2161	0.0273	14	
124.05	Cysteine/Cystine (%)	PAO Pre-col AQC Der	2188	0.2756	0.2756	0.2756	2.18	0.2161	0.0273	14	7

**Glutamic (%)**

125.05	Glutamic (%)	Pre-col AQC Der	2188	1.796	1.7976	1.797	-3.56	1.932	0.0381	15	
125.00	Glutamic (%)	Post-col Ninhydrin Der	0723	1.88	1.89	1.885	-1.24	1.932	0.0381	15	
125.00	Glutamic (%)	Post-col Ninhydrin Der	0939	1.89	1.89	1.89	-1.11	1.932	0.0381	15	7
125.00	Glutamic (%)	Post-col Ninhydrin Der	0227	1.94	1.87	1.905	-0.72	1.932	0.0381	15	
125.00	Glutamic (%)	Post-col Ninhydrin Der	0910	1.9	1.93	1.915	-0.46	1.932	0.0381	15	
125.00	Glutamic (%)	Post-col Ninhydrin Der	0504	1.87	1.98	1.925	-0.19	1.932	0.0381	15	
125.05	Glutamic (%)	Pre-col AQC Der	0682	1.987	1.869	1.928	-0.11	1.932	0.0381	15	
125.00	Glutamic (%)	Post-col Ninhydrin Der	0226	1.9302	1.9427	1.936	0.11	1.932	0.0381	15	
125.00	Glutamic (%)	Post-col Ninhydrin Der	0354	1.96	1.924	1.942	0.25	1.932	0.0381	15	
125.05	Glutamic (%)	Pre-col AQC Der	2196	1.945	1.945	1.945	0.33	1.932	0.0381	15	7
125.05	Glutamic (%)	Pre-col AQC Der	0870	1.961	1.945	1.953	0.54	1.932	0.0381	15	
125.02	Glutamic (%)	Post-col OPA Der	0098	1.946	1.971	1.958	0.69	1.932	0.0381	15	
125.05	Glutamic (%)	Pre-col AQC Der	2319	2.0025	1.922	1.962	0.79	1.932	0.0381	15	
125.00	Glutamic (%)	Post-col Ninhydrin Der	0353	1.93	2.02	1.975	1.12	1.932	0.0381	15	
125.05	Glutamic (%)	Pre-col AQC Der	0407	2.136	2.256	2.196	6.93	1.932	0.0381	15	

**Glycine (%)**

126.05	Glycine (%)	Pre-col AQC Der	0870	0.659	0.629	0.644	-1.19	0.6753	0.0263	15	
126.00	Glycine (%)	Post-col Ninhydrin Der	0939	0.65	0.64	0.645	-1.15	0.6753	0.0263	15	
126.05	Glycine (%)	Pre-col AQC Der	2188	0.6441	0.6575	0.6508	-0.93	0.6753	0.0263	15	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
126.00	Glycine (%)	Post-col Ninhydrin Der	0353	0.64	0.67	0.655	-0.77	0.6753	0.0263	15	
126.00	Glycine (%)	Post-col Ninhydrin Der	0723	0.665	0.654	0.6595	-0.60	0.6753	0.0263	15	
126.00	Glycine (%)	Post-col Ninhydrin Der	0226	0.6628	0.6612	0.662	-0.50	0.6753	0.0263	15	
126.00	Glycine (%)	Post-col Ninhydrin Der	0910	0.66	0.68	0.67	-0.20	0.6753	0.0263	15	
126.05	Glycine (%)	Pre-col AQC Der	0682	0.692	0.658	0.675	-0.01	0.6753	0.0263	15	
126.00	Glycine (%)	Post-col Ninhydrin Der	0354	0.683	0.677	0.68	0.18	0.6753	0.0263	15	
126.00	Glycine (%)	Post-col Ninhydrin Der	0504	0.67	0.69	0.68	0.18	0.6753	0.0263	15	
126.00	Glycine (%)	Post-col Ninhydrin Der	0227	0.69	0.68	0.685	0.37	0.6753	0.0263	15	
126.05	Glycine (%)	Pre-col AQC Der	2319	0.7091	0.6814	0.6952	0.76	0.6753	0.0263	15	
126.02	Glycine (%)	Post-col OPA Der	0098	0.702	0.694	0.698	0.87	0.6753	0.0263	15	
126.05	Glycine (%)	Pre-col AQC Der	0407	0.703	0.732	0.7175	1.61	0.6753	0.0263	15	
126.05	Glycine (%)	Pre-col AQC Der	2196	0.736	0.736	0.736	2.31	0.6753	0.0263	15	7

**Histidine (%)**

127.05	Histidine (%)	Pre-col AQC Der	0870	0.232	0.246	0.239	-2.20	0.2886	0.0226	15	
127.00	Histidine (%)	Post-col Ninhydrin Der	0226	0.2519	0.2627	0.2573	-1.39	0.2886	0.0226	15	
127.05	Histidine (%)	Pre-col AQC Der	2188	0.2673	0.2692	0.2682	-0.90	0.2886	0.0226	15	
127.00	Histidine (%)	Post-col Ninhydrin Der	0353	0.28	0.27	0.275	-0.60	0.2886	0.0226	15	
127.00	Histidine (%)	Post-col Ninhydrin Der	0723	0.28	0.28	0.28	-0.38	0.2886	0.0226	15	7
127.02	Histidine (%)	Post-col OPA Der	0098	0.282	0.286	0.284	-0.20	0.2886	0.0226	15	
127.00	Histidine (%)	Post-col Ninhydrin Der	0910	0.28	0.29	0.285	-0.16	0.2886	0.0226	15	
127.00	Histidine (%)	Post-col Ninhydrin Der	0939	0.28	0.29	0.285	-0.16	0.2886	0.0226	15	
127.05	Histidine (%)	Pre-col AQC Der	0682	0.303	0.278	0.2905	0.08	0.2886	0.0226	15	
127.00	Histidine (%)	Post-col Ninhydrin Der	0504	0.29	0.31	0.3	0.51	0.2886	0.0226	15	
127.00	Histidine (%)	Post-col Ninhydrin Der	0354	0.304	0.297	0.3005	0.53	0.2886	0.0226	15	
127.00	Histidine (%)	Post-col Ninhydrin Der	0227	0.31	0.3	0.305	0.73	0.2886	0.0226	15	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
127.05	Histidine (%)	Pre-col AQC Der	2196	0.306	0.306	0.306	0.77	0.2886	0.0226	15	7
127.05	Histidine (%)	Pre-col AQC Der	2319	0.3262	0.3042	0.3152	1.18	0.2886	0.0226	15	
127.05	Histidine (%)	Pre-col AQC Der	0407	0.335	0.336	0.3355	2.08	0.2886	0.0226	15	

Isoleucine (%)

128.05	Isoleucine (%)	Pre-col AQC Der	2319	0.403	0.41	0.4065	-1.96	0.4642	0.0294	15	
128.00	Isoleucine (%)	Post-col Ninhydrin Der	0353	0.41	0.41	0.41	-1.84	0.4642	0.0294	15	7
128.00	Isoleucine (%)	Post-col Ninhydrin Der	0226	0.4427	0.4375	0.4401	-0.82	0.4642	0.0294	15	
128.00	Isoleucine (%)	Post-col Ninhydrin Der	0939	0.45	0.44	0.445	-0.65	0.4642	0.0294	15	
128.05	Isoleucine (%)	Pre-col AQC Der	0407	0.446	0.453	0.4495	-0.50	0.4642	0.0294	15	
128.05	Isoleucine (%)	Pre-col AQC Der	0682	0.467	0.446	0.4565	-0.26	0.4642	0.0294	15	
128.00	Isoleucine (%)	Post-col Ninhydrin Der	0910	0.45	0.48	0.465	0.03	0.4642	0.0294	15	
128.02	Isoleucine (%)	Post-col OPA Der	0098	0.469	0.468	0.4685	0.15	0.4642	0.0294	15	
128.05	Isoleucine (%)	Pre-col AQC Der	0870	0.479	0.464	0.4715	0.25	0.4642	0.0294	15	
128.00	Isoleucine (%)	Post-col Ninhydrin Der	0354	0.479	0.475	0.477	0.43	0.4642	0.0294	15	
128.05	Isoleucine (%)	Pre-col AQC Der	2188	0.4767	0.4789	0.4778	0.46	0.4642	0.0294	15	
128.00	Isoleucine (%)	Post-col Ninhydrin Der	0723	0.479	0.479	0.479	0.50	0.4642	0.0294	15	7
128.00	Isoleucine (%)	Post-col Ninhydrin Der	0227	0.49	0.48	0.485	0.71	0.4642	0.0294	15	
128.00	Isoleucine (%)	Post-col Ninhydrin Der	0504	0.48	0.52	0.5	1.22	0.4642	0.0294	15	
128.05	Isoleucine (%)	Pre-col AQC Der	2196	0.517	0.517	0.517	1.79	0.4642	0.0294	15	7

Leucine (%)

129.05	Leucine (%)	Pre-col AQC Der	0407	0.827	0.83	0.8285	-1.55	0.8615	0.0213	15	
129.05	Leucine (%)	Pre-col AQC Der	2188	0.8389	0.8401	0.8395	-1.03	0.8615	0.0213	15	
129.00	Leucine (%)	Post-col Ninhydrin Der	0353	0.82	0.86	0.84	-1.01	0.8615	0.0213	15	
129.00	Leucine (%)	Post-col Ninhydrin Der	0226	0.8418	0.8458	0.8438	-0.83	0.8615	0.0213	15	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
129.05	Leucine (%)	Pre-col AQC Der	2319	0.8447	0.8488	0.8468	-0.69	0.8615	0.0213	15	
129.02	Leucine (%)	Post-col OPA Der	0098	0.852	0.847	0.8495	-0.56	0.8615	0.0213	15	
129.05	Leucine (%)	Pre-col AQC Der	0682	0.887	0.841	0.864	0.12	0.8615	0.0213	15	
129.05	Leucine (%)	Pre-col AQC Der	0870	0.861	0.872	0.8665	0.24	0.8615	0.0213	15	
129.00	Leucine (%)	Post-col Ninhydrin Der	0910	0.86	0.88	0.87	0.40	0.8615	0.0213	15	
129.00	Leucine (%)	Post-col Ninhydrin Der	0939	0.87	0.87	0.87	0.40	0.8615	0.0213	15	7
129.00	Leucine (%)	Post-col Ninhydrin Der	0354	0.876	0.867	0.8715	0.47	0.8615	0.0213	15	
129.00	Leucine (%)	Post-col Ninhydrin Der	0723	0.873	0.873	0.873	0.54	0.8615	0.0213	15	7
129.00	Leucine (%)	Post-col Ninhydrin Der	0227	0.89	0.87	0.88	0.87	0.8615	0.0213	15	
129.00	Leucine (%)	Post-col Ninhydrin Der	0504	0.86	0.91	0.885	1.10	0.8615	0.0213	15	
129.05	Leucine (%)	Pre-col AQC Der	2196	0.893	0.893	0.893	1.48	0.8615	0.0213	15	7

L-Lysine (%)

130.05	L-Lysine (%)	Pre-col AQC Der	0682	0.611	0.578	0.5945	-0.87	0.6359	0.0478	16	
130.05	L-Lysine (%)	Pre-col AQC Der	0870	0.588	0.605	0.5965	-0.82	0.6359	0.0478	16	
130.05	L-Lysine (%)	Pre-col AQC Der	2188	0.5974	0.5962	0.5968	-0.82	0.6359	0.0478	16	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	0226	0.5891	0.6048	0.597	-0.81	0.6359	0.0478	16	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	0939	0.6	0.6	0.6	-0.75	0.6359	0.0478	16	7
130.00	L-Lysine (%)	Post-col Ninhydrin Der	0171	0.59	0.61	0.6	-0.75	0.6359	0.0478	16	
130.05	L-Lysine (%)	Pre-col AQC Der	2319	0.6076	0.598	0.6028	-0.69	0.6359	0.0478	16	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	0910	0.6	0.62	0.61	-0.54	0.6359	0.0478	16	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	0227	0.65	0.62	0.635	-0.02	0.6359	0.0478	16	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	0353	0.62	0.65	0.635	-0.02	0.6359	0.0478	16	
130.05	L-Lysine (%)	Pre-col AQC Der	2196	0.656	0.656	0.656	0.42	0.6359	0.0478	16	7
130.02	L-Lysine (%)	Post-col OPA Der	0098	0.677	0.668	0.6725	0.77	0.6359	0.0478	16	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	0723	0.678	0.678	0.678	0.88	0.6359	0.0478	16	7

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
130.00	L-Lysine (%)	Post-col Ninhydrin Der	0504	0.68	0.71	0.695	1.24	0.6359	0.0478	16	
130.00	L-Lysine (%)	Post-col Ninhydrin Der	0354	0.679	0.717	0.698	1.30	0.6359	0.0478	16	
130.05	L-Lysine (%)	Pre-col AQC Der	0407	0.768	0.778	0.773	2.87	0.6359	0.0478	16	

**Methionine (%)**

131.00	Methionine (%)	PAO Post-col Ninhydrin Der	0723	0.1637	0.1637	0.1637	-1.31	0.1788	0.0116	16	7
131.05	Methionine (%)	PAO Pre-col AQC Der	2196	0.17	0.17	0.17	-0.76	0.1788	0.0116	16	7
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	0910	0.17	0.17	0.17	-0.76	0.1788	0.0116	16	7
131.02	Methionine (%)	PAO Post-col OPA Der	0098	0.168	0.1735	0.1708	-0.70	0.1788	0.0116	16	
131.05	Methionine (%)	PAO Pre-col AQC Der	0682	0.177	0.165	0.171	-0.68	0.1788	0.0116	16	
131.05	Methionine (%)	PAO Pre-col AQC Der	0870	0.171	0.172	0.1715	-0.63	0.1788	0.0116	16	
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	0226	0.176	0.1707	0.1734	-0.47	0.1788	0.0116	16	
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	0171	0.18	0.17	0.175	-0.33	0.1788	0.0116	16	
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	0504	0.17	0.19	0.18	0.10	0.1788	0.0116	16	
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	0939	0.18	0.18	0.18	0.10	0.1788	0.0116	16	7
131.02	Methionine (%)	PAO Post-col OPA Der	0227	0.18	0.18	0.18	0.10	0.1788	0.0116	16	7
131.05	Methionine (%)	PAO Pre-col AQC Der	2319	0.1855	0.1808	0.1832	0.38	0.1788	0.0116	16	
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	0354	0.187	0.181	0.184	0.45	0.1788	0.0116	16	
131.00	Methionine (%)	PAO Post-col Ninhydrin Der	0353	0.2	0.21	0.205	2.27	0.1788	0.0116	16	
131.05	Methionine (%)	PAO Pre-col AQC Der	2188	0.222	0.222	0.222	3.74	0.1788	0.0116	16	7
131.05	Methionine (%)	PAO Pre-col AQC Der	0407	0.2355	0.2478	0.2416	5.44	0.1788	0.0116	16	

**Phenylalanine (%)**

132.05	Phenylalanine (%)	Pre-col AQC Der	2188	0.4967	0.5081	0.5024	-1.86	0.5566	0.0292	14	
132.05	Phenylalanine (%)	Pre-col AQC Der	0870	0.535	0.51	0.5225	-1.17	0.5566	0.0292	14	
132.05	Phenylalanine (%)	Pre-col AQC Der	0407	0.528	0.532	0.53	-0.91	0.5566	0.0292	14	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
132.02	Phenylalanine (%)	Post-col OPA Der	0098	0.541	0.545	0.543	-0.47	0.5566	0.0292	14	
132.05	Phenylalanine (%)	Pre-col AQC Der	0682	0.558	0.531	0.5445	-0.42	0.5566	0.0292	14	
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	0910	0.55	0.55	0.55	-0.23	0.5566	0.0292	14	7
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	0227	0.56	0.55	0.555	-0.06	0.5566	0.0292	14	
132.05	Phenylalanine (%)	Pre-col AQC Der	2196	0.563	0.563	0.563	0.22	0.5566	0.0292	14	7
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	0723	0.565	0.565	0.565	0.29	0.5566	0.0292	14	7
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	0504	0.55	0.58	0.565	0.29	0.5566	0.0292	14	
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	0226	0.5786	0.5539	0.5662	0.33	0.5566	0.0292	14	
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	0939	0.57	0.58	0.575	0.63	0.5566	0.0292	14	
132.05	Phenylalanine (%)	Pre-col AQC Der	2319	0.5989	0.612	0.6054	1.67	0.5566	0.0292	14	
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	0354	0.57	0.644	0.607	1.72	0.5566	0.0292	14	1
132.00	Phenylalanine (%)	Post-col Ninhydrin Der	0353	0.6	0.62	0.61	1.83	0.5566	0.0292	14	

**Proline (%)**

133.00	Proline (%)	Post-col Ninhydrin Der	0353	0.67	0.7	0.685	-1.62	0.7657	0.0497	14	
133.00	Proline (%)	Post-col Ninhydrin Der	0939	0.7	0.7	0.7	-1.32	0.7657	0.0497	14	7
133.00	Proline (%)	Post-col Ninhydrin Der	0723	0.742	0.742	0.742	-0.48	0.7657	0.0497	14	7
133.05	Proline (%)	Pre-col AQC Der	0870	0.739	0.747	0.743	-0.46	0.7657	0.0497	14	
133.05	Proline (%)	Pre-col AQC Der	2319	0.734	0.7563	0.7452	-0.41	0.7657	0.0497	14	
133.05	Proline (%)	Pre-col AQC Der	0407	0.737	0.764	0.7505	-0.31	0.7657	0.0497	14	
133.05	Proline (%)	Pre-col AQC Der	0682	0.784	0.729	0.7565	-0.19	0.7657	0.0497	14	
133.00	Proline (%)	Post-col Ninhydrin Der	0910	0.77	0.76	0.765	-0.01	0.7657	0.0497	14	
133.00	Proline (%)	Post-col Ninhydrin Der	0354	0.789	0.754	0.7715	0.12	0.7657	0.0497	14	
133.00	Proline (%)	Post-col Ninhydrin Der	0226	0.7936	0.7757	0.7846	0.38	0.7657	0.0497	14	
133.00	Proline (%)	Post-col Ninhydrin Der	0227	0.77	0.81	0.79	0.49	0.7657	0.0497	14	
133.00	Proline (%)	Post-col Ninhydrin Der	0504	0.78	0.82	0.8	0.69	0.7657	0.0497	14	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
133.05	Proline (%)	Pre-col AQC Der	<b>2188</b>	0.9162	0.8892	<b>0.9027</b>	<b>2.76</b>	0.7657	0.0497	14	
133.05	Proline (%)	Pre-col AQC Der	<b>2196</b>	0.914	0.914	<b>0.914</b>	<b>2.98</b>	0.7657	0.0497	14	7

**Serine (%)**

134.00	Serine (%)	Post-col Ninhydrin Der	<b>0504</b>	0.51	0.52	<b>0.515</b>	<b>-4.95</b>	0.6072	0.0186	15	
134.02	Serine (%)	Post-col OPA Der	<b>0098</b>	0.528	0.54	<b>0.534</b>	<b>-3.93</b>	0.6072	0.0186	15	
134.05	Serine (%)	Pre-col AQC Der	<b>0870</b>	0.584	0.586	<b>0.585</b>	<b>-1.19</b>	0.6072	0.0186	15	
134.00	Serine (%)	Post-col Ninhydrin Der	<b>0226</b>	0.5994	0.5936	<b>0.5965</b>	<b>-0.57</b>	0.6072	0.0186	15	
134.05	Serine (%)	Pre-col AQC Der	<b>2188</b>	0.5969	0.6008	<b>0.5988</b>	<b>-0.45</b>	0.6072	0.0186	15	
134.05	Serine (%)	Pre-col AQC Der	<b>0407</b>	0.598	0.607	<b>0.6025</b>	<b>-0.25</b>	0.6072	0.0186	15	
134.00	Serine (%)	Post-col Ninhydrin Der	<b>0227</b>	0.62	0.6	<b>0.61</b>	<b>0.15</b>	0.6072	0.0186	15	
134.00	Serine (%)	Post-col Ninhydrin Der	<b>0353</b>	0.6	0.62	<b>0.61</b>	<b>0.15</b>	0.6072	0.0186	15	
134.00	Serine (%)	Post-col Ninhydrin Der	<b>0939</b>	0.62	0.61	<b>0.615</b>	<b>0.42</b>	0.6072	0.0186	15	
134.05	Serine (%)	Pre-col AQC Der	<b>2196</b>	0.616	0.616	<b>0.616</b>	<b>0.47</b>	0.6072	0.0186	15	7
134.05	Serine (%)	Pre-col AQC Der	<b>0682</b>	0.643	0.595	<b>0.619</b>	<b>0.63</b>	0.6072	0.0186	15	
134.00	Serine (%)	Post-col Ninhydrin Der	<b>0910</b>	0.61	0.63	<b>0.62</b>	<b>0.69</b>	0.6072	0.0186	15	
134.05	Serine (%)	Pre-col AQC Der	<b>2319</b>	0.6371	0.604	<b>0.6206</b>	<b>0.72</b>	0.6072	0.0186	15	
134.00	Serine (%)	Post-col Ninhydrin Der	<b>0723</b>	0.62	0.63	<b>0.625</b>	<b>0.96</b>	0.6072	0.0186	15	
134.00	Serine (%)	Post-col Ninhydrin Der	<b>0354</b>	0.634	0.628	<b>0.631</b>	<b>1.28</b>	0.6072	0.0186	15	

**Threonine (%)**

135.99	Threonine (%)	Miscellaneous	<b>0160</b>	0.41	0.45	<b>0.43</b>	<b>-1.77</b>	0.4745	0.0252	17	
135.00	Threonine (%)	Post-col Ninhydrin Der	<b>0226</b>	0.4403	0.4435	<b>0.4419</b>	<b>-1.29</b>	0.4745	0.0252	17	
135.00	Threonine (%)	Post-col Ninhydrin Der	<b>0939</b>	0.45	0.45	<b>0.45</b>	<b>-0.97</b>	0.4745	0.0252	17	7
135.05	Threonine (%)	Pre-col AQC Der	<b>2188</b>	0.4487	0.456	<b>0.4524</b>	<b>-0.88</b>	0.4745	0.0252	17	
135.02	Threonine (%)	Post-col OPA Der	<b>0098</b>	0.456	0.452	<b>0.454</b>	<b>-0.81</b>	0.4745	0.0252	17	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
135.00	Threonine (%)	Post-col Ninhydrin Der	0171	0.49	0.45	0.47	-0.18	0.4745	0.0252	17	
135.05	Threonine (%)	Pre-col AQC Der	0870	0.482	0.462	0.472	-0.10	0.4745	0.0252	17	
135.00	Threonine (%)	Post-col Ninhydrin Der	0504	0.47	0.48	0.475	0.02	0.4745	0.0252	17	
135.00	Threonine (%)	Post-col Ninhydrin Der	0910	0.47	0.48	0.475	0.02	0.4745	0.0252	17	
135.05	Threonine (%)	Pre-col AQC Der	2319	0.4823	0.4761	0.4792	0.19	0.4745	0.0252	17	
135.00	Threonine (%)	Post-col Ninhydrin Der	0227	0.49	0.47	0.48	0.22	0.4745	0.0252	17	
135.00	Threonine (%)	Post-col Ninhydrin Der	0353	0.47	0.49	0.48	0.22	0.4745	0.0252	17	
135.05	Threonine (%)	Pre-col AQC Der	0682	0.489	0.478	0.4835	0.36	0.4745	0.0252	17	
135.00	Threonine (%)	Post-col Ninhydrin Der	0723	0.493	0.493	0.493	0.74	0.4745	0.0252	17	7
135.00	Threonine (%)	Post-col Ninhydrin Der	0354	0.507	0.503	0.505	1.21	0.4745	0.0252	17	
135.05	Threonine (%)	Pre-col AQC Der	2196	0.506	0.506	0.506	1.25	0.4745	0.0252	17	7
135.05	Threonine (%)	Pre-col AQC Der	0407	0.518	0.518	0.518	1.73	0.4745	0.0252	17	7

**Tryptophan (%)**

136.99	Tryptophan (%)	Miscellaneous	0504	0.12	0.11	0.115	-2.18	0.1771	0.0285	12	
136.00	Tryptophan (%)	Alka-Hydrol Post-col Ninhyd	0910	0.15	0.14	0.145	-1.13	0.1771	0.0285	12	
136.05	Tryptophan (%)	Pre-col AQC Der	0870	0.148	0.153	0.1505	-0.93	0.1771	0.0285	12	
136.02	Tryptophan (%)	Alka-Hydrol Post-col OPA De	0098	0.1632	0.1624	0.1628	-0.50	0.1771	0.0285	12	
136.03	Tryptophan (%)	Alka-Hydrol + IS RP LC FI	2196	0.172	0.172	0.172	-0.18	0.1771	0.0285	12	7
136.05	Tryptophan (%)	Pre-col AQC Der	2319	0.163	0.185	0.174	-0.11	0.1771	0.0285	12	
136.03	Tryptophan (%)	Alka-Hydrol + IS RP LC FI	0939	0.18	0.19	0.185	0.28	0.1771	0.0285	12	
136.99	Tryptophan (%)	Miscellaneous	0682	0.195	0.179	0.187	0.35	0.1771	0.0285	12	
136.05	Tryptophan (%)	Pre-col AQC Der	0407	0.18	0.21	0.195	0.63	0.1771	0.0285	12	
136.03	Tryptophan (%)	Alka-Hydrol + IS RP LC FI	0353	0.2	0.2	0.2	0.80	0.1771	0.0285	12	7
136.03	Tryptophan (%)	Alka-Hydrol + IS RP LC FI	0226	0.2105	0.2086	0.2096	1.14	0.1771	0.0285	12	
136.01	Tryptophan (%)	Alka-Hydrol Rev Phase LC UV	0227	0.21	0.21	0.21	1.15	0.1771	0.0285	12	7

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
<b>Tyrosine (%)</b>											
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	<b>0227</b>	0.32	0.34	<b>0.33</b>	<b>-1.40</b>	0.3803	0.036	14	
137.05	Tyrosine (%)	Pre-col AQC Der	<b>0870</b>	0.338	0.326	<b>0.332</b>	<b>-1.34</b>	0.3803	0.036	14	
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	<b>0504</b>	0.35	0.34	<b>0.345</b>	<b>-0.98</b>	0.3803	0.036	14	
137.02	Tyrosine (%)	Post-col OPA Der	<b>0098</b>	0.355	0.35	<b>0.3525</b>	<b>-0.77</b>	0.3803	0.036	14	
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	<b>0910</b>	0.37	0.35	<b>0.36</b>	<b>-0.56</b>	0.3803	0.036	14	
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	<b>0939</b>	0.38	0.38	<b>0.38</b>	<b>-0.01</b>	0.3803	0.036	14	7
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	<b>0226</b>	0.3958	0.3755	<b>0.3856</b>	<b>0.15</b>	0.3803	0.036	14	
137.05	Tyrosine (%)	Pre-col AQC Der	<b>0407</b>	0.387	0.402	<b>0.3945</b>	<b>0.39</b>	0.3803	0.036	14	
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	<b>0354</b>	0.373	0.417	<b>0.395</b>	<b>0.41</b>	0.3803	0.036	14	
137.05	Tyrosine (%)	Pre-col AQC Der	<b>0682</b>	0.479	0.311	<b>0.395</b>	<b>0.41</b>	0.3803	0.036	14	1
137.05	Tyrosine (%)	Pre-col AQC Der	<b>2196</b>	0.397	0.397	<b>0.397</b>	<b>0.46</b>	0.3803	0.036	14	7
137.05	Tyrosine (%)	Pre-col AQC Der	<b>2319</b>	0.4123	0.3828	<b>0.3976</b>	<b>0.48</b>	0.3803	0.036	14	
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	<b>0723</b>	0.407	0.407	<b>0.407</b>	<b>0.74</b>	0.3803	0.036	14	7
137.05	Tyrosine (%)	Pre-col AQC Der	<b>2188</b>	0.4136	0.4146	<b>0.4141</b>	<b>0.94</b>	0.3803	0.036	14	
137.00	Tyrosine (%)	Post-col Ninhydrin Der (w/o	<b>0353</b>	0.45	0.43	<b>0.44</b>	<b>1.66</b>	0.3803	0.036	14	

<b>Valine (%)</b>											
138.99	Valine (%)	Miscellaneous	<b>0160</b>	0.51	0.51	<b>0.51</b>	<b>-1.70</b>	0.6067	0.0568	16	7
138.05	Valine (%)	Pre-col AQC Der	<b>2319</b>	0.5287	0.5189	<b>0.5238</b>	<b>-1.46</b>	0.6067	0.0568	16	
138.00	Valine (%)	Post-col Ninhydrin Der	<b>0353</b>	0.54	0.54	<b>0.54</b>	<b>-1.17</b>	0.6067	0.0568	16	7
138.00	Valine (%)	Post-col Ninhydrin Der	<b>0910</b>	0.57	0.58	<b>0.575</b>	<b>-0.56</b>	0.6067	0.0568	16	
138.00	Valine (%)	Post-col Ninhydrin Der	<b>0939</b>	0.58	0.59	<b>0.585</b>	<b>-0.38</b>	0.6067	0.0568	16	
138.05	Valine (%)	Pre-col AQC Der	<b>0682</b>	0.603	0.576	<b>0.5895</b>	<b>-0.30</b>	0.6067	0.0568	16	
138.05	Valine (%)	Pre-col AQC Der	<b>0870</b>	0.608	0.587	<b>0.5975</b>	<b>-0.16</b>	0.6067	0.0568	16	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
138.05	Valine (%)	Pre-col AQC Der	2188	0.6023	0.5953	0.5988	-0.14	0.6067	0.0568	16	
138.00	Valine (%)	Post-col Ninhydrin Der	0226	0.6177	0.624	0.6208	0.25	0.6067	0.0568	16	
138.00	Valine (%)	Post-col Ninhydrin Der	0723	0.615	0.627	0.621	0.25	0.6067	0.0568	16	
138.05	Valine (%)	Pre-col AQC Der	2196	0.629	0.629	0.629	0.39	0.6067	0.0568	16	7
138.00	Valine (%)	Post-col Ninhydrin Der	0227	0.64	0.63	0.635	0.50	0.6067	0.0568	16	
138.05	Valine (%)	Pre-col AQC Der	0407	0.631	0.688	0.6595	0.93	0.6067	0.0568	16	
138.00	Valine (%)	Post-col Ninhydrin Der	0504	0.64	0.68	0.66	0.94	0.6067	0.0568	16	
138.02	Valine (%)	Post-col OPA Der	0098	0.66	0.662	0.661	0.96	0.6067	0.0568	16	
138.00	Valine (%)	Post-col Ninhydrin Der	0354	0.686	0.693	0.6895	1.46	0.6067	0.0568	16	

**Taurine (%)**

139.02	Taurine (%)	Post-col OPA Der	0227	<0.01	<0.01	<0.01					6
139.02	Taurine (%)	Post-col OPA Der	0098	<0.01	<0.01	<0.01					6
139.05	Taurine (%)	Pre-col AQC Der	0682	<0.05	<0.05	<0.05					6
139.05	Taurine (%)	Pre-col AQC Der	0407	0.001	0.001	0.001					7
139.00	Taurine (%)	Post-col Ninhydrin Der	0504	0.15	0.13	0.14					

**Fructose (%)**

160.10	Fructose (%)	HPAEC PAD	0297	0.33	0.36	0.345	-1.15	0.425	0.0695	3	
160.99	Fructose (%)	Miscellaneous	0227	0.42	0.5	0.46	0.50	0.425	0.0695	3	
160.10	Fructose (%)	HPAEC PAD	0353	0.46	0.48	0.47	0.65	0.425	0.0695	3	

**Galactose (%)**

161.10	Galactose (%)	HPAEC PAD	0297	0	0	0					5
161.10	Galactose (%)	HPAEC PAD	0353	0.01	0.02	0.015					

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats		
								Robust Mean	Robust StDev	n used
<b>Glucose (%)</b>										
162.10	Glucose (%)	HPAEC PAD	0297	0.2	0.22	0.21	-0.86	0.2783	0.0791	3
162.10	Glucose (%)	HPAEC PAD	0353	0.26	0.26	0.26	-0.23	0.2783	0.0791	3 7
162.99	Glucose (%)	Miscellaneous	0227	0.39	0.34	0.365	1.10	0.2783	0.0791	3
<b>Lactose (%)</b>										
163.99	Lactose (%)	Miscellaneous	0227	<0.15	<0.15	<0.15				6
163.10	Lactose (%)	HPAEC PAD	0297	0	0	0				5
<b>Maltose (%)</b>										
164.99	Maltose (%)	Miscellaneous	0227	<0.15	<0.15	<0.15				6
164.10	Maltose (%)	HPAEC PAD	0297	0.19	0.2	0.195				
164.10	Maltose (%)	HPAEC PAD	0353	0.29	0.28	0.285				
<b>Sucrose (%)</b>										
165.99	Sucrose (%)	Miscellaneous	0227	2.83	3.31	3.07	-1.15	3.215	0.1258	3
165.10	Sucrose (%)	HPAEC PAD	0297	3.3	3.26	3.28	0.52	3.215	0.1258	3
165.10	Sucrose (%)	HPAEC PAD	0353	3.33	3.26	3.295	0.64	3.215	0.1258	3
<b>Raffinose (%)</b>										
166.10	Raffinose (%)	HPAEC PAD	0353	0.27	0.28	0.275	-1.14	0.2967	0.0189	3
166.99	Raffinose (%)	Miscellaneous	0227	0.31	0.3	0.305	0.44	0.2967	0.0189	3
166.10	Raffinose (%)	HPAEC PAD	0297	0.31	0.31	0.31	0.70	0.2967	0.0189	3 7
<b>Stachyose (%)</b>										
167.10	Stachyose (%)	HPAEC PAD	0353	0.32	0.35	0.335	-0.87	0.5367	0.2319	3

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
167.10	Stachyose (%)	HPAEC PAD	0297	0.49	0.48	0.485	-0.22	0.5367	0.2319	3	
167.99	Stachyose (%)	Miscellaneous	0227	0.76	0.82	0.79	1.09	0.5367	0.2319	3	

### Water Activity (Units)

400.01	Water Activity (Units)	Aqualab chilled mirror	0942	0.551	0.543	0.547	-1.23	0.5582	0.0091	6	
400.01	Water Activity (Units)	Aqualab chilled mirror	0407	0.5538	0.556	0.5549	-0.36	0.5582	0.0091	6	
400.01	Water Activity (Units)	Aqualab chilled mirror	2268	0.549	0.561	0.555	-0.35	0.5582	0.0091	6	
400.01	Water Activity (Units)	Aqualab chilled mirror	0589	0.56	0.555	0.5575	-0.08	0.5582	0.0091	6	
400.01	Water Activity (Units)	Aqualab chilled mirror	0853	0.5661	0.5648	0.5654	0.80	0.5582	0.0091	6	
400.01	Water Activity (Units)	Aqualab chilled mirror	2181	0.5685	0.5701	0.5693	1.22	0.5582	0.0091	6	

### Arsenic, Total (ppm)

516.52	Arsenic, Total (ppm)	ICP-MS, Open vessel	0560	<2.5	<2.5	<2.5		0.1493	0.0122	6	6
516.43	Arsenic, Total (ppm)	ICP, Microwave	0682	<20	<20	<20		0.1493	0.0122	6	6
516.52	Arsenic, Total (ppm)	ICP-MS, Open vessel	0186	0.1307	0.1274	0.129	-1.66	0.1493	0.0122	6	
516.52	Arsenic, Total (ppm)	ICP-MS, Open vessel	0096	0.1438	0.1397	0.1418	-0.62	0.1493	0.0122	6	
516.53	Arsenic, Total (ppm)	ICP-MS, Microwave	0407	0.1467	0.1603	0.1535	0.35	0.1493	0.0122	6	
516.52	Arsenic, Total (ppm)	ICP-MS, Open vessel	0910	0.17	0.14	0.155	0.47	0.1493	0.0122	6	
516.00	Arsenic, Total (ppm)	AA, Hydride	0045	0.149	0.161	0.155	0.47	0.1493	0.0122	6	
516.53	Arsenic, Total (ppm)	ICP-MS, Microwave	0227	0.162	0.157	0.1595	0.84	0.1493	0.0122	6	

### Cadmium (ppm)

518.41	Cadmium (ppm)	ICP, Dry ash	0407	0.0728	0.0844	0.0786	-3.18	0.1354	0.0179	9	
518.43	Cadmium (ppm)	ICP, Microwave	0407	0.1129	0.1194	0.1162	-1.08	0.1354	0.0179	9	
518.52	Cadmium (ppm)	ICP-MS, Open vessel	0186	0.1395	0.1286	0.134	-0.07	0.1354	0.0179	9	
518.52	Cadmium (ppm)	ICP-MS, Open vessel	0096	0.1361	0.1328	0.1344	-0.05	0.1354	0.0179	9	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
518.52	Cadmium (ppm)	ICP-MS, Open vessel	0910	0.14	0.13	0.135	-0.02	0.1354	0.0179	9	
518.53	Cadmium (ppm)	ICP-MS, Microwave	0939	0.14	0.14	0.14	0.26	0.1354	0.0179	9	7
518.53	Cadmium (ppm)	ICP-MS, Microwave	0407	0.138	0.1457	0.1418	0.36	0.1354	0.0179	9	
518.53	Cadmium (ppm)	ICP-MS, Microwave	0227	0.154	0.138	0.146	0.60	0.1354	0.0179	9	
518.43	Cadmium (ppm)	ICP, Microwave	0682	0.2	0.22	0.21	4.18	0.1354	0.0179	9	
518.42	Cadmium (ppm)	ICP, Open vessel	0685	7	7.2	7.1	>100	0.1354	0.0179	9	3

**Chromium (ppm)**

520.42	Chromium (ppm)	ICP, Open vessel	0685	0.13	0.09	0.11	-2.10	8.486	3.989	18	
520.51	Chromium (ppm)	ICP-MS, Dry ash	0910	1.15	1.17	1.16	-1.84	8.486	3.989	18	
520.52	Chromium (ppm)	ICP-MS, Open vessel	0560	2.97	2.85	2.91	-1.40	8.486	3.989	18	
520.52	Chromium (ppm)	ICP-MS, Open vessel	0096	4.9565	5.676	5.316	-0.79	8.486	3.989	18	
520.43	Chromium (ppm)	ICP, Microwave	0968	6.56	6.66	6.61	-0.47	8.486	3.989	18	
520.41	Chromium (ppm)	ICP, Dry ash	0407	7.0588	7.3013	7.18	-0.33	8.486	3.989	18	
520.42	Chromium (ppm)	ICP, Open vessel	0693	7.86	7.87	7.865	-0.16	8.486	3.989	18	
520.42	Chromium (ppm)	ICP, Open vessel	0045	7.43	8.49	7.96	-0.13	8.486	3.989	18	
520.52	Chromium (ppm)	ICP-MS, Open vessel	0186	9.1997	8.9772	9.088	0.15	8.486	3.989	18	
520.43	Chromium (ppm)	ICP, Microwave	0407	8.7154	9.688	9.202	0.18	8.486	3.989	18	
520.43	Chromium (ppm)	ICP, Microwave	0297	10	9	9.5	0.25	8.486	3.989	18	
520.53	Chromium (ppm)	ICP-MS, Microwave	0407	9.5284	10.2105	9.869	0.35	8.486	3.989	18	
520.42	Chromium (ppm)	ICP, Open vessel	0096	9.479	10.7213	10.1	0.40	8.486	3.989	18	
520.43	Chromium (ppm)	ICP, Microwave	0510	10.52	10.55	10.54	0.51	8.486	3.989	18	
520.43	Chromium (ppm)	ICP, Microwave	2481	11.8	11.74	11.77	0.82	8.486	3.989	18	
520.43	Chromium (ppm)	ICP, Microwave	0226	12.67	12.8	12.74	1.07	8.486	3.989	18	
520.53	Chromium (ppm)	ICP-MS, Microwave	0939	12.74	12.96	12.85	1.09	8.486	3.989	18	
520.43	Chromium (ppm)	ICP, Microwave	0682	13.59	14.91	14.25	1.44	8.486	3.989	18	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			<sup>4</sup> Flag
								Robust Mean	Robust StDev	n used	
<b>Lead (ppm)</b>											
526.43	Lead (ppm)	ICP, Microwave	0682	0.3	<0.05	<0.05		0.814	0.0675	7	6
526.41	Lead (ppm)	ICP, Dry ash	0407	0.5745	0.6468	0.6106	-3.01	0.814	0.0675	7	
526.52	Lead (ppm)	ICP-MS, Open vessel	0910	0.78	0.8	0.79	-0.36	0.814	0.0675	7	
526.52	Lead (ppm)	ICP-MS, Open vessel	0096	0.7895	0.793	0.7912	-0.34	0.814	0.0675	7	
526.53	Lead (ppm)	ICP-MS, Microwave	0407	0.7691	0.8262	0.7976	-0.24	0.814	0.0675	7	
526.53	Lead (ppm)	ICP-MS, Microwave	0227	0.834	0.866	0.85	0.53	0.814	0.0675	7	
526.52	Lead (ppm)	ICP-MS, Open vessel	0186	0.9132	0.8297	0.8714	0.85	0.814	0.0675	7	
526.53	Lead (ppm)	ICP-MS, Microwave	0939	0.89	0.88	0.885	1.05	0.814	0.0675	7	
526.43	Lead (ppm)	ICP, Microwave	0407	0.8497	1.073	0.9614	2.18	0.814	0.0675	7	1

<b>Mercury (ppb)</b>											
529.99	Mercury (ppb)	Miscellaneous	0910	<10	<10	<10					6
529.99	Mercury (ppb)	Miscellaneous	0227	<10	<10	<10					6
529.99	Mercury (ppb)	Miscellaneous	0407	1.2594	1.5676	1.414					
529.99	Mercury (ppb)	Miscellaneous	0682	790	410	600					

<b>Nickel (ppm)</b>											
539.51	Nickel (ppm)	ICP-MS, Dry ash	0910	1.55	1.59	1.57	-1.63	5.212	2.236	9	
539.52	Nickel (ppm)	ICP-MS, Open vessel	0096	3.4073	3.8532	3.63	-0.71	5.212	2.236	9	
539.41	Nickel (ppm)	ICP, Dry ash	0407	4.1068	4.6849	4.396	-0.37	5.212	2.236	9	
539.43	Nickel (ppm)	ICP, Microwave	0407	4.9776	5.0293	5.003	-0.09	5.212	2.236	9	
539.53	Nickel (ppm)	ICP-MS, Microwave	0407	5.0589	5.2887	5.174	-0.02	5.212	2.236	9	
539.52	Nickel (ppm)	ICP-MS, Open vessel	0186	5.3012	5.2302	5.266	0.02	5.212	2.236	9	
539.43	Nickel (ppm)	ICP, Microwave	0297	6	5	5.5	0.13	5.212	2.236	9	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
539.43	Nickel (ppm)	ICP, Microwave	0682	7.27	7.76	7.515	1.03	5.212	2.236	9	
539.43	Nickel (ppm)	ICP, Microwave	0226	22.09	21.5	21.8	7.42	5.212	2.236	9	
<b>Butyric Acid (4:0) (%)</b>											
702.00	Butyric Acid (4:0) (%)	Miscellaneous GC	0227	0	0	0					5
<b>Caproic Acid (6:0) (%)</b>											
704.00	Caproic Acid (6:0) (%)	Miscellaneous GC	0227	0	0	0					5
<b>Caprylic acid (8:0) (% w/w)</b>											
706.99	Caprylic acid (8:0) (% w/w)	Miscellaneous	0227	0	0	0					5
<b>Capric acid (10:0) (% w/w)</b>											
708.99	Capric acid (10:0) (% w/w)	Miscellaneous	0227	0	0	0					5
<b>Lauric Acid (12:0) (% w/w)</b>											
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	0.003	0.003	0.003					7
<b>Myristic Acid (14:0) (% w/w)</b>											
714.99	Myristic Acid (14:0) (% w/	Miscellaneous	0227	0.013	0.014	0.0135	-0.70	0.015	0.0022	3	
714.99	Myristic Acid (14:0) (% w/	Miscellaneous	0226	0.0142	0.0139	0.014	-0.45	0.015	0.0022	3	
714.02	Myristic Acid (14:0) (% w/	Direct Methylation by Acid-Alkali	0297	0.018	0.017	0.0175	1.15	0.015	0.0022	3	
<b>Palmitic Acid (16:0) (% w/w)</b>											
716.99	Palmitic Acid (16:0) (% w/w	Miscellaneous	0227	0.818	0.869	0.8435	-0.69	0.9058	0.0908	3	
716.99	Palmitic Acid (16:0) (% w/w	Miscellaneous	0226	0.8777	0.8498	0.8638	-0.46	0.9058	0.0908	3	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats			
								Robust Mean	Robust StDev	n used	<sup>4</sup> Flag
716.02	Palmitic Acid (16:0) (% w/w)	Direct Methylation by Acid-Alkali	0297	1.018	1.002	1.01	1.15	0.9058	0.0908	3	
<b>Palmitoleic Acid (9c-16:1) (% w/w)</b>											
718.02	Palmitoleic Acid (9c-16:1) (% w/w)	Direct Methylation by Acid-Alkali	0297	0	0	0					5
718.99	Palmitoleic Acid (9c-16:1) (% w/w)	Miscellaneous	0227	0.009	0.009	0.009					7
718.99	Palmitoleic Acid (9c-16:1) (% w/w)	Miscellaneous	0226	0.0155	0.0174	0.0164					
<b>Margaric acid (17:0) (% w/w)</b>											
720.02	Margaric acid (17:0) (% w/w)	Direct Methylation by Acid-Alkali	0297	0	0	0					5
720.99	Margaric acid (17:0) (% w/w)	Miscellaneous	0227	0.008	0.009	0.0085					
<b>Stearic Acid (18:0) (% w/w)</b>											
722.99	Stearic Acid (18:0) (% w/w)	Miscellaneous	0227	0.174	0.185	0.1795	-0.65	0.1985	0.0291	3	
722.99	Stearic Acid (18:0) (% w/w)	Miscellaneous	0226	0.1831	0.185	0.184	-0.50	0.1985	0.0291	3	
722.02	Stearic Acid (18:0) (% w/w)	Direct Methylation by Acid-Alkali	0297	0.238	0.226	0.232	1.15	0.1985	0.0291	3	
<b>Oleic Acid (9c-18:1) (% w/w)</b>											
724.99	Oleic Acid (9c-18:1) (% w/w)	Miscellaneous	0227	1.021	1.057	1.039	-0.73	1.111	0.0978	3	
724.99	Oleic Acid (9c-18:1) (% w/w)	Miscellaneous	0226	1.0887	1.0531	1.071	-0.41	1.111	0.0978	3	
724.02	Oleic Acid (9c-18:1) (% w/w)	Direct Methylation by Acid-Alkali	0297	1.223	1.221	1.222	1.14	1.111	0.0978	3	
<b>Linoleic Acid (9c,12c-18:2) (% w/w)</b>											
726.99	Linoleic Acid (9c,12c-18:2) (% w/w)	Miscellaneous	0227	2.112	2.185	2.148	-0.65	2.246	0.1493	3	
726.99	Linoleic Acid (9c,12c-18:2) (% w/w)	Miscellaneous	0226	2.214	2.13	2.172	-0.50	2.246	0.1493	3	
726.02	Linoleic Acid (9c,12c-18:2) (% w/w)	Direct Methylation by Acid-Alkali	0297	2.402	2.434	2.418	1.15	2.246	0.1493	3	

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats		
								Robust Mean	Robust StDev	n used
<b>alpha-Linolenic Acid (9c,12c,15c-18:3) (% w/w)</b>										
728.99	alpha-Linolenic Acid (9c,12c, Miscellaneous		<b>0227</b>	0.341	0.353	<b>0.347</b>	<b>-0.71</b>	0.3664	0.0272	3
728.99	alpha-Linolenic Acid (9c,12c, Miscellaneous		<b>0226</b>	0.3611	0.3484	<b>0.3548</b>	<b>-0.43</b>	0.3664	0.0272	3
728.02	alpha-Linolenic Acid (9c,12c, Direct Methylation by Acid-Alkali		<b>0297</b>	0.398	0.397	<b>0.3975</b>	<b>1.14</b>	0.3664	0.0272	3
<b>Arachidic Acid (20:0) (% w/w)</b>										
730.99	Arachidic Acid (20:0) (% w/ Miscellaneous		<b>0227</b>	0.019	0.02	<b>0.0195</b>				
730.99	Arachidic Acid (20:0) (% w/ Miscellaneous		<b>0226</b>	0.0215	0.0222	<b>0.0218</b>				
<b>Gondoic Acid (11c-20:1) (% w/w)</b>										
732.02	Gondoic Acid (11c-20:1) (%) Direct Methylation by Acid-Alkali		<b>0297</b>	0	0	<b>0</b>				5
732.99	Gondoic Acid (11c-20:1) (%) Miscellaneous		<b>0227</b>	0.012	0.012	<b>0.012</b>				7
732.99	Gondoic Acid (11c-20:1) (%) Miscellaneous		<b>0226</b>	0.0133	0.0137	<b>0.0135</b>				
<b>Arachidonic Acid (5c,8c,11c,14c-20:4) (% w/w)</b>										
736.99	Arachidonic Acid (5c,8c,11c, Miscellaneous		<b>0227</b>	0	0	<b>0</b>				5
<b>pentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%)</b>										
740.99	Eicosapentaenoic Acid EPA ( Miscellaneous		<b>0226</b>	<0.005	<0.005	<b>&lt;0.005</b>				6
740.99	Eicosapentaenoic Acid EPA ( Miscellaneous		<b>0227</b>	0	0	<b>0</b>				5
<b>Behenic Acid (22:0) (% w/w)</b>										
742.99	Behenic Acid (22:0) (% w/w Miscellaneous		<b>0227</b>	0.02	0.02	<b>0.02</b>				7
742.99	Behenic Acid (22:0) (% w/w Miscellaneous		<b>0226</b>	0.0247	0.0222	<b>0.0234</b>				

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats		
								Robust Mean	Robust StDev	n used
<b>Erucic Acid (13c-22:1) (% w/w)</b>										
744.99	Erucic Acid (13c-22:1) (% w/	Miscellaneous	0226	<0.005	<0.005	<0.005				6
744.02	Erucic Acid (13c-22:1) (% w/	Direct Methylation by Acid-Alkali	0297	0	0	0				5
744.99	Erucic Acid (13c-22:1) (% w/	Miscellaneous	0227	0.002	0.002	0.002				7
<b>pentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c- (%</b>										
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
<b>Lignoceric Acid (24:0) (% w/w)</b>										
748.99	Lignoceric Acid (24:0) (% w/	Miscellaneous	0227	0.016	0.017	0.0165				
748.99	Lignoceric Acid (24:0) (% w/	Miscellaneous	0226	0.0278	0.0236	0.0257				
<b>hexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22 (%</b>										
750.99	Docosahexaenoic Acid DHA	Miscellaneous	0226	<0.005	<0.005	<0.005				6
750.99	Docosahexaenoic Acid DHA	Miscellaneous	0227	0	0	0				5
<b>Nervonic Acid (24:1) isomers (% w/w)</b>										
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	0.002	0.006	0.004				
<b>n-3 Polyunsaturated (Omega-3) Fatty Acids (%</b>										
754.99	Total n-3 Polyunsaturated (	Miscellaneous	0227	0.341	0.354	0.3475				
<b>n-6 Polyunsaturated (Omega-6) Fatty Acids (%</b>										
756.99	Total n-6 Polyunsaturated (	Miscellaneous	0227	2.12	2.193	2.156				

Code	Analyte	Method	Lab Code	Result1	Result2	<sup>1</sup> Lab Value	<sup>2</sup> Z score	<sup>3</sup> Robust Stats		
								Robust Mean	Robust StDev	n used
<b>Total Saturated Fatty Acids (% w/w)</b>										
758.99	Total Saturated Fatty Acids ( Miscellaneous		0227	1.077	1.144	1.11				
758.02	Total Saturated Fatty Acids ( Direct Methylation by Acid-Alkali		0297	1.273	1.254	1.264				
<b>Total Monounsaturated Fatty Acids (% w/w)</b>										
762.02	Total Monounsaturated Fatt Direct Methylation by Acid-Alkali		0297	1.2223	1.221	1.222				
<b>Total cis Monounsaturated Fatty Acids (% w/w)</b>										
764.99	Total cis Monounsaturated Miscellaneous		0227	1.119	1.173	1.146				
<b>Total Polyunsaturated Fatty Acids (% w/w)</b>										
766.02	Total Polyunsaturated Fatty Direct Methylation by Acid-Alkali		0297	2.931	2.959	2.945				
<b>Total cis Polyunsaturated Fatty Acids (% w/w)</b>										
768.99	Total cis Polyunsaturated Fa Miscellaneous		0227	2.466	2.551	2.508				
<b>Total Fat (equivalent to NLEA) (% w/w)</b>										
770.99	Total Fat (equivalent to NLE Miscellaneous		0227	4.897	5.107	5.002				
<b>Total Fatty Acids (% w/w)</b>										
772.99	Total Fatty Acids (% w/w) Miscellaneous		0226	4.8415	4.6794	4.76	-0.61	4.991	0.3802	3
772.99	Total Fatty Acids (% w/w) Miscellaneous		0227	4.683	4.883	4.783	-0.55	4.991	0.3802	3
772.02	Total Fatty Acids (% w/w) Direct Methylation by Acid-Alkali		0297	5.43	5.43	5.43	1.15	4.991	0.3802	3 7

**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 outlier, 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 undue 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.