



AAFCO
Proficiency Testing Program



Turkey Feed

Minerals Scheme

Labs Reporting: 29

Test Material Code # 201852

Analyte Proficiency Testing Report

Issue Date : 07/31/2018

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests			
015	Aluminum (mg / kg (ppm))	0510	163.80	1.2000	271.90	18.709	9.6046	16	-5.78	015.43	0
015	Aluminum (mg / kg (ppm))	0278	164.10	7.0000	271.90	18.709	9.6046	16	-5.76	015.43	0
015	Aluminum (mg / kg (ppm))	0353	188.00	2.0000	271.90	18.709	9.6046	16	-4.48	015.43	0
015	Aluminum (mg / kg (ppm))	2058	251.85	10.220	271.90	18.709	9.6046	16	-1.07	015.43	0
015	Aluminum (mg / kg (ppm))	0918	260.55	2.6400	271.90	18.709	9.6046	16	-0.61	015.53	0
015	Aluminum (mg / kg (ppm))	0407	264.30	0.50890	271.90	18.709	9.6046	16	-0.41	015.41	0
015	Aluminum (mg / kg (ppm))	0160	275.50	21.000	271.90	18.709	9.6046	16	0.19	015.42	0
015	Aluminum (mg / kg (ppm))	0208	276.50	15.000	271.90	18.709	9.6046	16	0.25	015.41	0
015	Aluminum (mg / kg (ppm))	2207	277.50	5.0000	271.90	18.709	9.6046	16	0.30	015.52	0
015	Aluminum (mg / kg (ppm))	0047	283.17	15.130	271.90	18.709	9.6046	16	0.60	015.52	0
015	Aluminum (mg / kg (ppm))	0098	285.10	21.400	271.90	18.709	9.6046	16	0.71	015.43	0
015	Aluminum (mg / kg (ppm))	0870	300.95	8.9000	271.90	18.709	9.6046	16	1.55	015.43	0
015	Aluminum (mg / kg (ppm))	0227	301.00	0.00000	271.90	18.709	9.6046	16	1.56	015.43	0
015	Aluminum (mg / kg (ppm))	0553	308.50	1.0000	271.90	18.709	9.6046	16	1.96	015.53	0
015	Aluminum (mg / kg (ppm))	0964	316.40	4.6740	271.90	18.709	9.6046	16	2.38	015.41	0
015	Aluminum (mg / kg (ppm))	2033	332.00	38.000	271.90	18.709	9.6046	16	3.21	015.43	0
017	Boron (mg / kg (ppm))	0208	50.800	5.8000	55.272	4.8338	2.1151	11	-0.93	017.44	0
017	Boron (mg / kg (ppm))	0918	51.255	0.77000	55.272	4.8338	2.1151	11	-0.83	017.43	0
017	Boron (mg / kg (ppm))	0047	51.470	1.4400	55.272	4.8338	2.1151	11	-0.79	017.52	0
017	Boron (mg / kg (ppm))	0353	52.500	1.0000	55.272	4.8338	2.1151	11	-0.57	017.43	0
017	Boron (mg / kg (ppm))	0407	53.570	0.11610	55.272	4.8338	2.1151	11	-0.35	017.41	0
017	Boron (mg / kg (ppm))	2033	54.650	1.1000	55.272	4.8338	2.1151	11	-0.13	017.43	0
017	Boron (mg / kg (ppm))	0098	56.355	2.9900	55.272	4.8338	2.1151	11	0.22	017.43	0
017	Boron (mg / kg (ppm))	2207	56.500	1.0000	55.272	4.8338	2.1151	11	0.25	017.52	0
017	Boron (mg / kg (ppm))	0553	59.550	5.1000	55.272	4.8338	2.1151	11	0.88	017.53	0
017	Boron (mg / kg (ppm))	0510	60.050	0.30000	55.272	4.8338	2.1151	11	0.99	017.43	0
017	Boron (mg / kg (ppm))	0870	61.295	3.6500	55.272	4.8338	2.1151	11	1.25	017.43	0
021	Cobalt (mg / kg (ppm))	0047	19.825	0.07000	22.562	2.2580	1.4000	18	-1.21	021.52	0
021	Cobalt (mg / kg (ppm))	0278	20.835	0.85000	22.562	2.2580	1.4000	18	-0.76	021.43	0
021	Cobalt (mg / kg (ppm))	0407	20.942	0.06310	22.562	2.2580	1.4000	18	-0.72	021.41	0
021	Cobalt (mg / kg (ppm))	2113	21.000	4.0000	22.562	2.2580	1.4000	18	-0.69	021.52	0
021	Cobalt (mg / kg (ppm))	0208	21.150	2.9000	22.562	2.2580	1.4000	18	-0.63	021.31	0
021	Cobalt (mg / kg (ppm))	0160	21.400	1.0000	22.562	2.2580	1.4000	18	-0.51	021.42	0
021	Cobalt (mg / kg (ppm))	2033	21.875	2.9500	22.562	2.2580	1.4000	18	-0.30	021.43	0
021	Cobalt (mg / kg (ppm))	2141	21.910	0.28000	22.562	2.2580	1.4000	18	-0.29	021.43	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests			
021	Cobalt (mg / kg (ppm))	0918	22.435	1.2970	22.562	2.2580	1.4000	18	-0.06	021.53	0
021	Cobalt (mg / kg (ppm))	0186	22.500	1.0000	22.562	2.2580	1.4000	18	-0.03	021.42	0
021	Cobalt (mg / kg (ppm))	0033	22.900	0.80000	22.562	2.2580	1.4000	18	0.15	021.53	0
021	Cobalt (mg / kg (ppm))	0186	23.300	0.20000	22.562	2.2580	1.4000	18	0.33	021.52	0
021	Cobalt (mg / kg (ppm))	0510	23.600	0.80000	22.562	2.2580	1.4000	18	0.46	021.43	0
021	Cobalt (mg / kg (ppm))	2207	24.040	3.3600	22.562	2.2580	1.4000	18	0.65	021.52	0
021	Cobalt (mg / kg (ppm))	0964	24.276	2.8293	22.562	2.2580	1.4000	18	0.76	021.43	0
021	Cobalt (mg / kg (ppm))	0098	24.335	1.1300	22.562	2.2580	1.4000	18	0.79	021.43	0
021	Cobalt (mg / kg (ppm))	0227	24.500	1.0000	22.562	2.2580	1.4000	18	0.86	021.31	0
021	Cobalt (mg / kg (ppm))	0870	25.505	0.67000	22.562	2.2580	1.4000	18	1.30	021.43	0
021	Cobalt (mg / kg (ppm))	0553	27.900	9.0000	22.562	2.2580	1.4000	18	2.36	021.53	1
022	Copper (mg / kg (ppm))	2058	15.295	0.05000	18.164	1.8782	0.77669	26	-1.53	022.43	0
022	Copper (mg / kg (ppm))	2113	15.500	1.0000	18.164	1.8782	0.77669	26	-1.42	022.52	0
022	Copper (mg / kg (ppm))	0047	15.510	0.82000	18.164	1.8782	0.77669	26	-1.41	022.52	0
022	Copper (mg / kg (ppm))	0003	16.500	3.0000	18.164	1.8782	0.77669	26	-0.89	022.41	0
022	Copper (mg / kg (ppm))	0511	16.500	1.0000	18.164	1.8782	0.77669	26	-0.89	022.41	0
022	Copper (mg / kg (ppm))	0098	16.795	0.31000	18.164	1.8782	0.77669	26	-0.73	022.53	0
022	Copper (mg / kg (ppm))	0918	16.845	0.75000	18.164	1.8782	0.77669	26	-0.70	022.53	0
022	Copper (mg / kg (ppm))	0017	17.098	0.31100	18.164	1.8782	0.77669	26	-0.57	022.43	0
022	Copper (mg / kg (ppm))	0407	17.535	0.21730	18.164	1.8782	0.77669	26	-0.34	022.41	0
022	Copper (mg / kg (ppm))	0208	17.565	0.45000	18.164	1.8782	0.77669	26	-0.32	022.41	0
022	Copper (mg / kg (ppm))	0208	18.000	0.20000	18.164	1.8782	0.77669	26	-0.09	022.31	0
022	Copper (mg / kg (ppm))	0227	18.000	0.00000	18.164	1.8782	0.77669	26	-0.09	022.41	0
022	Copper (mg / kg (ppm))	0202	18.110	0.40000	18.164	1.8782	0.77669	26	-0.03	022.43	0
022	Copper (mg / kg (ppm))	0553	18.450	0.90000	18.164	1.8782	0.77669	26	0.15	022.53	0
022	Copper (mg / kg (ppm))	0186	18.500	1.0000	18.164	1.8782	0.77669	26	0.18	022.52	0
022	Copper (mg / kg (ppm))	2207	18.550	0.10000	18.164	1.8782	0.77669	26	0.21	022.52	0
022	Copper (mg / kg (ppm))	0964	18.973	0.44160	18.164	1.8782	0.77669	26	0.43	022.43	0
022	Copper (mg / kg (ppm))	2114	18.979	0.82200	18.164	1.8782	0.77669	26	0.43	022.43	0
022	Copper (mg / kg (ppm))	0010	19.000	0.00000	18.164	1.8782	0.77669	26	0.44	022.33	0
022	Copper (mg / kg (ppm))	0504	19.120	1.1000	18.164	1.8782	0.77669	26	0.51	022.32	0
022	Copper (mg / kg (ppm))	0160	19.400	0.20000	18.164	1.8782	0.77669	26	0.66	022.44	0
022	Copper (mg / kg (ppm))	0510	19.900	0.20000	18.164	1.8782	0.77669	26	0.92	022.43	0
022	Copper (mg / kg (ppm))	0870	20.081	1.2120	18.164	1.8782	0.77669	26	1.02	022.43	0
022	Copper (mg / kg (ppm))	2033	20.300	2.4000	18.164	1.8782	0.77669	26	1.14	022.43	0
022	Copper (mg / kg (ppm))	2141	20.735	2.3100	18.164	1.8782	0.77669	26	1.37	022.43	0
022	Copper (mg / kg (ppm))	0186	23.500	1.0000	18.164	1.8782	0.77669	26	2.84	022.42	0
022	Copper (mg / kg (ppm))	0353	20.500	5.0000	18.164	1.8782	0.77669	26	1.24	022.43	1
023	Fluorine (mg / kg (ppm))	2033	47.700	3.2000				2		023.01	0
023	Fluorine (mg / kg (ppm))	0208	54.350	2.1000				2		023.01	0
024	Iodine (mg / kg (ppm))	2033	1.3500	0.20000				3		024.53	0
024	Iodine (mg / kg (ppm))	0160	1.4300	0.26000				3		024.52	0

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			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests			
024	Iodine (mg / kg (ppm))	0208	1.4350	0.11000				3		024.99	0
024	Iodine (mg / kg (ppm))	0186	9.5000	1.0000				3		024.52	2
034	Selenium (mg / kg (ppm))	2114	2.9770	0.10800	5.0219	0.63011	0.26130	18	-3.25	034.43	0
034	Selenium (mg / kg (ppm))	0227	3.8350	1.0300	5.0219	0.63011	0.26130	18	-1.88	034.04	0
034	Selenium (mg / kg (ppm))	0047	4.0650	0.13000	5.0219	0.63011	0.26130	18	-1.52	034.52	0
034	Selenium (mg / kg (ppm))	2058	4.6300	0.54000	5.0219	0.63011	0.26130	18	-0.62	034.53	0
034	Selenium (mg / kg (ppm))	0278	4.7900	0.26000	5.0219	0.63011	0.26130	18	-0.37	034.43	0
034	Selenium (mg / kg (ppm))	0553	4.8350	0.23000	5.0219	0.63011	0.26130	18	-0.30	034.53	0
034	Selenium (mg / kg (ppm))	0033	4.9450	0.01000	5.0219	0.63011	0.26130	18	-0.12	034.53	0
034	Selenium (mg / kg (ppm))	0208	4.9750	0.67000	5.0219	0.63011	0.26130	18	-0.07	034.52	0
034	Selenium (mg / kg (ppm))	2141	4.9920	0.01800	5.0219	0.63011	0.26130	18	-0.05	034.43	0
034	Selenium (mg / kg (ppm))	0010	5.0000	0.00000	5.0219	0.63011	0.26130	18	-0.03	034.53	0
034	Selenium (mg / kg (ppm))	0964	5.0427	0.06070	5.0219	0.63011	0.26130	18	0.03	034.43	0
034	Selenium (mg / kg (ppm))	0098	5.0440	0.10000	5.0219	0.63011	0.26130	18	0.04	034.53	0
034	Selenium (mg / kg (ppm))	0186	5.4000	0.42000	5.0219	0.63011	0.26130	18	0.60	034.52	0
034	Selenium (mg / kg (ppm))	2033	5.4600	0.62000	5.0219	0.63011	0.26130	18	0.70	034.53	0
034	Selenium (mg / kg (ppm))	2207	5.6500	0.10000	5.0219	0.63011	0.26130	18	1.00	034.52	0
034	Selenium (mg / kg (ppm))	0918	5.6770	0.30470	5.0219	0.63011	0.26130	18	1.04	034.53	0
034	Selenium (mg / kg (ppm))	0870	5.8450	0.04200	5.0219	0.63011	0.26130	18	1.31	034.43	0
034	Selenium (mg / kg (ppm))	0407	7.1300	0.06000	5.0219	0.63011	0.26130	18	3.35	034.43	0
034	Selenium (mg / kg (ppm))	0160	< 10		5.0219	0.63011	0.26130	18		034.42	5
036	Sulfur (%)	2141	0.30315	0.00250	0.39118	0.01802	0.01211	17	-4.89	036.43	0
036	Sulfur (%)	0870	0.33710	0.01480	0.39118	0.01802	0.01211	17	-3.00	036.42	0
036	Sulfur (%)	0918	0.36100	0.00400	0.39118	0.01802	0.01211	17	-1.67	036.43	0
036	Sulfur (%)	0010	0.37500	0.01000	0.39118	0.01802	0.01211	17	-0.90	036.43	0
036	Sulfur (%)	2033	0.38000	0.04000	0.39118	0.01802	0.01211	17	-0.62	036.43	0
036	Sulfur (%)	0227	0.38900	0.01400	0.39118	0.01802	0.01211	17	-0.12	036.42	0
036	Sulfur (%)	0098	0.38950	0.02100	0.39118	0.01802	0.01211	17	-0.09	036.43	0
036	Sulfur (%)	0353	0.39000	0.02000	0.39118	0.01802	0.01211	17	-0.07	036.43	0
036	Sulfur (%)	0208	0.39200	0.00200	0.39118	0.01802	0.01211	17	0.05	036.00	0
036	Sulfur (%)	0407	0.39555	0.00970	0.39118	0.01802	0.01211	17	0.24	036.42	0
036	Sulfur (%)	0964	0.39740	0.01320	0.39118	0.01802	0.01211	17	0.35	036.43	0
036	Sulfur (%)	0202	0.40350	0.00700	0.39118	0.01802	0.01211	17	0.68	036.43	0
036	Sulfur (%)	0186	0.40400	0.01200	0.39118	0.01802	0.01211	17	0.71	036.52	0
036	Sulfur (%)	0160	0.40450	0.00560	0.39118	0.01802	0.01211	17	0.74	036.99	0
036	Sulfur (%)	2207	0.40500	0.01000	0.39118	0.01802	0.01211	17	0.77	036.42	0
036	Sulfur (%)	0186	0.42600	0.02000	0.39118	0.01802	0.01211	17	1.93	036.42	0
036	Sulfur (%)	0510	0.43000	0.00000	0.39118	0.01802	0.01211	17	2.15	036.43	0
036	Sulfur (%)	0553	0.37300	0.06600	0.39118	0.01802	0.01211	17	-1.01	036.53	1
036	Sulfur (%)	2129	0.00200	0.00000	0.39118	0.01802	0.01211	17	-21.60	036.42	2
038	Molybdenum (mg / kg (ppm))	0353	1.7330	0.23450	2.0982	0.30022	0.07686	18	-1.22	038.43	0
038	Molybdenum (mg / kg (ppm))	0098	1.7735	0.08700	2.0982	0.30022	0.07686	18	-1.08	038.53	0

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038	Molybdenum (mg / kg (ppm))	0208	1.8500	0.14000	2.0982	0.30022	0.07686	18	-0.83	038.41	0
038	Molybdenum (mg / kg (ppm))	0964	1.9814	0.09340	2.0982	0.30022	0.07686	18	-0.39	038.43	0
038	Molybdenum (mg / kg (ppm))	0407	2.0116	0.05290	2.0982	0.30022	0.07686	18	-0.29	038.41	0
038	Molybdenum (mg / kg (ppm))	0160	2.0500	0.10000	2.0982	0.30022	0.07686	18	-0.16	038.42	0
038	Molybdenum (mg / kg (ppm))	0510	2.1000	0.00000	2.0982	0.30022	0.07686	18	0.01	038.43	0
038	Molybdenum (mg / kg (ppm))	2033	2.1000	0.04000	2.0982	0.30022	0.07686	18	0.01	038.43	0
038	Molybdenum (mg / kg (ppm))	2141	2.1150	0.09000	2.0982	0.30022	0.07686	18	0.06	038.43	0
038	Molybdenum (mg / kg (ppm))	0553	2.1350	0.11000	2.0982	0.30022	0.07686	18	0.12	038.53	0
038	Molybdenum (mg / kg (ppm))	0047	2.1400	0.08000	2.0982	0.30022	0.07686	18	0.14	038.52	0
038	Molybdenum (mg / kg (ppm))	0186	2.1500	0.06000	2.0982	0.30022	0.07686	18	0.17	038.42	0
038	Molybdenum (mg / kg (ppm))	0033	2.1650	0.07000	2.0982	0.30022	0.07686	18	0.22	038.53	0
038	Molybdenum (mg / kg (ppm))	0918	2.1804	0.02570	2.0982	0.30022	0.07686	18	0.27	038.53	0
038	Molybdenum (mg / kg (ppm))	2113	2.2000	0.00000	2.0982	0.30022	0.07686	18	0.34	038.52	0
038	Molybdenum (mg / kg (ppm))	2207	2.2000	0.00000	2.0982	0.30022	0.07686	18	0.34	038.52	0
038	Molybdenum (mg / kg (ppm))	0010	2.3500	0.10000	2.0982	0.30022	0.07686	18	0.84	038.53	0
038	Molybdenum (mg / kg (ppm))	0227	2.4500	0.10000	2.0982	0.30022	0.07686	18	1.17	038.33	0
041	Vanadium (mg / kg (ppm))	0278	33.460	0.90000	44.546	4.0243	2.9767	9	-2.75	041.43	0
041	Vanadium (mg / kg (ppm))	0208	39.500	4.8000	44.546	4.0243	2.9767	9	-1.25	041.41	0
041	Vanadium (mg / kg (ppm))	0160	42.850	3.5000	44.546	4.0243	2.9767	9	-0.42	041.42	0
041	Vanadium (mg / kg (ppm))	0047	44.435	1.6300	44.546	4.0243	2.9767	9	-0.03	041.52	0
041	Vanadium (mg / kg (ppm))	2033	45.125	2.7500	44.546	4.0243	2.9767	9	0.14	041.43	0
041	Vanadium (mg / kg (ppm))	2207	46.050	2.5000	44.546	4.0243	2.9767	9	0.37	041.52	0
041	Vanadium (mg / kg (ppm))	0553	46.100	3.6000	44.546	4.0243	2.9767	9	0.39	041.53	0
041	Vanadium (mg / kg (ppm))	0098	47.760	3.8000	44.546	4.0243	2.9767	9	0.80	041.43	0
041	Vanadium (mg / kg (ppm))	0870	53.895	3.3100	44.546	4.0243	2.9767	9	2.32	041.43	0
516	Arsenic, Total (mg / kg (ppm))	0047	0.94500	0.05000	1.1331	0.17788	0.10341	18	-1.06	516.52	0
516	Arsenic, Total (mg / kg (ppm))	0964	0.98095	0.12370	1.1331	0.17788	0.10341	18	-0.86	516.43	0
516	Arsenic, Total (mg / kg (ppm))	0553	1.0150	0.01000	1.1331	0.17788	0.10341	18	-0.66	516.53	0
516	Arsenic, Total (mg / kg (ppm))	0208	1.0225	0.11500	1.1331	0.17788	0.10341	18	-0.62	516.52	0
516	Arsenic, Total (mg / kg (ppm))	0278	1.0300	0.02000	1.1331	0.17788	0.10341	18	-0.58	516.43	0
516	Arsenic, Total (mg / kg (ppm))	0186	1.0350	0.01000	1.1331	0.17788	0.10341	18	-0.55	516.52	0
516	Arsenic, Total (mg / kg (ppm))	0918	1.0771	0.10100	1.1331	0.17788	0.10341	18	-0.31	516.53	0
516	Arsenic, Total (mg / kg (ppm))	2033	1.0850	0.05000	1.1331	0.17788	0.10341	18	-0.27	516.53	0
516	Arsenic, Total (mg / kg (ppm))	0870	1.0960	0.00000	1.1331	0.17788	0.10341	18	-0.21	516.43	0
516	Arsenic, Total (mg / kg (ppm))	0033	1.1450	0.19000	1.1331	0.17788	0.10341	18	0.07	516.53	0
516	Arsenic, Total (mg / kg (ppm))	2207	1.1500	0.10000	1.1331	0.17788	0.10341	18	0.09	516.52	0
516	Arsenic, Total (mg / kg (ppm))	0227	1.1600	0.12000	1.1331	0.17788	0.10341	18	0.15	516.53	0
516	Arsenic, Total (mg / kg (ppm))	0098	1.1935	0.03100	1.1331	0.17788	0.10341	18	0.34	516.53	0
516	Arsenic, Total (mg / kg (ppm))	0010	1.2000	0.20000	1.1331	0.17788	0.10341	18	0.38	516.53	0
516	Arsenic, Total (mg / kg (ppm))	2058	1.2250	0.11000	1.1331	0.17788	0.10341	18	0.52	516.53	0
516	Arsenic, Total (mg / kg (ppm))	2113	1.3500	0.30000	1.1331	0.17788	0.10341	18	1.22	516.52	0
516	Arsenic, Total (mg / kg (ppm))	0407	1.3761	0.14070	1.1331	0.17788	0.10341	18	1.37	516.43	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests			
516	Arsenic, Total (mg / kg (ppm))	2141	1.4550	0.19000	1.1331	0.17788	0.10341	18	1.81	516.43	0
516	Arsenic, Total (mg / kg (ppm))	0425	6.9300	0.48000	1.1331	0.17788	0.10341	18	32.59	516.34	1
516	Arsenic, Total (mg / kg (ppm))	2114	< 1		1.1331	0.17788	0.10341	18		516.43	5
516	Arsenic, Total (mg / kg (ppm))	0160	< 10		1.1331	0.17788	0.10341	18		516.42	5
518	Cadmium (mg / kg (ppm))	2058	7.2800	0.22000	9.1222	1.0462	0.89799	23	-1.76	518.43	0
518	Cadmium (mg / kg (ppm))	0407	7.7663	0.07020	9.1222	1.0462	0.89799	23	-1.30	518.41	0
518	Cadmium (mg / kg (ppm))	0047	7.9750	0.99000	9.1222	1.0462	0.89799	23	-1.10	518.52	0
518	Cadmium (mg / kg (ppm))	0511	8.0000	0.00000	9.1222	1.0462	0.89799	23	-1.07	518.41	0
518	Cadmium (mg / kg (ppm))	0160	8.2550	0.85000	9.1222	1.0462	0.89799	23	-0.83	518.42	0
518	Cadmium (mg / kg (ppm))	2114	8.6350	0.20600	9.1222	1.0462	0.89799	23	-0.47	518.43	0
518	Cadmium (mg / kg (ppm))	0010	8.6500	1.3000	9.1222	1.0462	0.89799	23	-0.45	518.53	0
518	Cadmium (mg / kg (ppm))	0227	8.8450	2.0300	9.1222	1.0462	0.89799	23	-0.26	518.53	0
518	Cadmium (mg / kg (ppm))	0098	8.8500	0.16000	9.1222	1.0462	0.89799	23	-0.26	518.53	0
518	Cadmium (mg / kg (ppm))	0033	8.8850	1.5900	9.1222	1.0462	0.89799	23	-0.23	518.53	0
518	Cadmium (mg / kg (ppm))	2141	8.8850	0.01000	9.1222	1.0462	0.89799	23	-0.23	518.43	0
518	Cadmium (mg / kg (ppm))	0208	8.9050	1.7700	9.1222	1.0462	0.89799	23	-0.21	518.52	0
518	Cadmium (mg / kg (ppm))	0278	8.9350	0.39000	9.1222	1.0462	0.89799	23	-0.18	518.43	0
518	Cadmium (mg / kg (ppm))	0186	9.0000	2.0000	9.1222	1.0462	0.89799	23	-0.12	518.42	0
518	Cadmium (mg / kg (ppm))	0186	9.4900	0.62000	9.1222	1.0462	0.89799	23	0.35	518.52	0
518	Cadmium (mg / kg (ppm))	0918	9.5439	0.19860	9.1222	1.0462	0.89799	23	0.40	518.53	0
518	Cadmium (mg / kg (ppm))	0553	9.8550	1.6900	9.1222	1.0462	0.89799	23	0.70	518.53	0
518	Cadmium (mg / kg (ppm))	2033	9.9300	0.38000	9.1222	1.0462	0.89799	23	0.77	518.53	0
518	Cadmium (mg / kg (ppm))	0425	9.9650	1.6700	9.1222	1.0462	0.89799	23	0.81	518.34	0
518	Cadmium (mg / kg (ppm))	0964	10.260	0.65500	9.1222	1.0462	0.89799	23	1.09	518.43	0
518	Cadmium (mg / kg (ppm))	0870	10.465	0.57400	9.1222	1.0462	0.89799	23	1.28	518.43	0
518	Cadmium (mg / kg (ppm))	2207	10.470	3.2800	9.1222	1.0462	0.89799	23	1.29	518.52	0
518	Cadmium (mg / kg (ppm))	2113	11.000	0.00000	9.1222	1.0462	0.89799	23	1.79	518.52	0
520	Chromium (mg / kg (ppm))	0010	43.200	7.2000	53.066	4.6694	2.5026	20	-2.11	520.53	0
520	Chromium (mg / kg (ppm))	0511	43.500	3.0000	53.066	4.6694	2.5026	20	-2.05	520.41	0
520	Chromium (mg / kg (ppm))	2058	45.405	0.01000	53.066	4.6694	2.5026	20	-1.64	520.43	0
520	Chromium (mg / kg (ppm))	0047	49.175	2.8300	53.066	4.6694	2.5026	20	-0.83	520.52	0
520	Chromium (mg / kg (ppm))	0160	49.850	0.70000	53.066	4.6694	2.5026	20	-0.69	520.42	0
520	Chromium (mg / kg (ppm))	0278	49.890	1.0600	53.066	4.6694	2.5026	20	-0.68	520.43	0
520	Chromium (mg / kg (ppm))	0208	50.300	2.0000	53.066	4.6694	2.5026	20	-0.59	520.41	0
520	Chromium (mg / kg (ppm))	2033	52.850	3.9000	53.066	4.6694	2.5026	20	-0.05	520.43	0
520	Chromium (mg / kg (ppm))	0870	53.434	0.52400	53.066	4.6694	2.5026	20	0.08	520.43	0
520	Chromium (mg / kg (ppm))	2113	53.500	1.0000	53.066	4.6694	2.5026	20	0.09	520.52	0
520	Chromium (mg / kg (ppm))	2141	53.590	1.2600	53.066	4.6694	2.5026	20	0.11	520.43	0
520	Chromium (mg / kg (ppm))	0227	54.000	2.0000	53.066	4.6694	2.5026	20	0.20	520.31	0
520	Chromium (mg / kg (ppm))	2207	54.550	6.3000	53.066	4.6694	2.5026	20	0.32	520.52	0
520	Chromium (mg / kg (ppm))	0186	54.650	2.3000	53.066	4.6694	2.5026	20	0.34	520.52	0
520	Chromium (mg / kg (ppm))	0033	55.250	7.7000	53.066	4.6694	2.5026	20	0.47	520.53	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests			
520	Chromium (mg / kg (ppm))	0918	57.306	2.5337	53.066	4.6694	2.5026	20	0.91	520.53	0
520	Chromium (mg / kg (ppm))	0098	57.400	3.2000	53.066	4.6694	2.5026	20	0.93	520.43	0
520	Chromium (mg / kg (ppm))	0964	59.613	1.3461	53.066	4.6694	2.5026	20	1.40	520.43	0
520	Chromium (mg / kg (ppm))	2114	60.047	0.58800	53.066	4.6694	2.5026	20	1.49	520.43	0
520	Chromium (mg / kg (ppm))	0510	60.500	0.60000	53.066	4.6694	2.5026	20	1.59	520.43	0
520	Chromium (mg / kg (ppm))	0553	58.700	14.400	53.066	4.6694	2.5026	20	1.21	520.53	1
526	Lead (mg / kg (ppm))	0047	17.800	0.02000	25.748	2.5261	1.2761	21	-3.15	526.52	0
526	Lead (mg / kg (ppm))	2058	19.715	0.77000	25.748	2.5261	1.2761	21	-2.39	526.43	0
526	Lead (mg / kg (ppm))	0278	20.245	0.45000	25.748	2.5261	1.2761	21	-2.18	526.43	0
526	Lead (mg / kg (ppm))	0407	23.494	1.4061	25.748	2.5261	1.2761	21	-0.89	526.41	0
526	Lead (mg / kg (ppm))	0425	23.970	0.40000	25.748	2.5261	1.2761	21	-0.70	526.34	0
526	Lead (mg / kg (ppm))	0186	24.000	0.00000	25.748	2.5261	1.2761	21	-0.69	526.42	0
526	Lead (mg / kg (ppm))	0918	24.685	1.0869	25.748	2.5261	1.2761	21	-0.42	526.53	0
526	Lead (mg / kg (ppm))	0186	25.250	2.3000	25.748	2.5261	1.2761	21	-0.20	526.52	0
526	Lead (mg / kg (ppm))	0208	25.250	0.30000	25.748	2.5261	1.2761	21	-0.20	526.52	0
526	Lead (mg / kg (ppm))	2114	25.405	0.73700	25.748	2.5261	1.2761	21	-0.14	526.43	0
526	Lead (mg / kg (ppm))	0553	25.700	3.4000	25.748	2.5261	1.2761	21	-0.02	526.53	0
526	Lead (mg / kg (ppm))	0160	26.000	0.00000	25.748	2.5261	1.2761	21	0.10	526.42	0
526	Lead (mg / kg (ppm))	0964	26.732	1.3492	25.748	2.5261	1.2761	21	0.39	526.43	0
526	Lead (mg / kg (ppm))	2141	26.750	1.3800	25.748	2.5261	1.2761	21	0.40	526.43	0
526	Lead (mg / kg (ppm))	2207	26.750	0.50000	25.748	2.5261	1.2761	21	0.40	526.52	0
526	Lead (mg / kg (ppm))	0098	27.300	1.0000	25.748	2.5261	1.2761	21	0.61	526.53	0
526	Lead (mg / kg (ppm))	0033	27.700	1.0000	25.748	2.5261	1.2761	21	0.77	526.53	0
526	Lead (mg / kg (ppm))	2033	28.380	2.7600	25.748	2.5261	1.2761	21	1.04	526.53	0
526	Lead (mg / kg (ppm))	2113	29.500	3.0000	25.748	2.5261	1.2761	21	1.49	526.52	0
526	Lead (mg / kg (ppm))	0010	30.150	4.3000	25.748	2.5261	1.2761	21	1.74	526.53	0
526	Lead (mg / kg (ppm))	0870	30.271	0.63900	25.748	2.5261	1.2761	21	1.79	526.43	0
526	Lead (mg / kg (ppm))	0227	25.150	9.5000	25.748	2.5261	1.2761	21	-0.24	526.53	1
529	Mercury (µg / kg (ppb))	0047	1.5400	0.22000	1,502.3	226.04	164.70	14	-6.64	529.99	0
529	Mercury (µg / kg (ppb))	0186	1.5950	0.27000	1,502.3	226.04	164.70	14	-6.64	529.99	0
529	Mercury (µg / kg (ppb))	0098	320.00	0.00000	1,502.3	226.04	164.70	14	-5.23	529.99	0
529	Mercury (µg / kg (ppb))	2114	1,523.5	10.356	1,502.3	226.04	164.70	14	0.09	529.99	0
529	Mercury (µg / kg (ppb))	0033	1,535.0	110.00	1,502.3	226.04	164.70	14	0.14	529.99	0
529	Mercury (µg / kg (ppb))	0208	1,545.0	10.000	1,502.3	226.04	164.70	14	0.19	529.99	0
529	Mercury (µg / kg (ppb))	0160	1,683.5	471.00	1,502.3	226.04	164.70	14	0.80	529.99	0
529	Mercury (µg / kg (ppb))	0553	1,780.0	80.000	1,502.3	226.04	164.70	14	1.23	529.99	0
529	Mercury (µg / kg (ppb))	0010	1,818.5	133.00	1,502.3	226.04	164.70	14	1.40	529.99	0
529	Mercury (µg / kg (ppb))	0918	1,824.5	73.000	1,502.3	226.04	164.70	14	1.43	529.99	0
529	Mercury (µg / kg (ppb))	0227	1,885.0	410.00	1,502.3	226.04	164.70	14	1.69	529.99	0
529	Mercury (µg / kg (ppb))	2207	1,893.0	120.00	1,502.3	226.04	164.70	14	1.73	529.99	0
529	Mercury (µg / kg (ppb))	2033	1,930.0	240.00	1,502.3	226.04	164.70	14	1.89	529.99	0
529	Mercury (µg / kg (ppb))	0425	3,356.0	648.00	1,502.3	226.04	164.70	14	8.20	529.00	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Your	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests	Z Score	Method	
539	Nickel (mg / kg (ppm))	0278	43.775	1.1900	52.416	4.6208	2.6587	19	-1.87	539.43	0
539	Nickel (mg / kg (ppm))	0208	44.300	2.2000	52.416	4.6208	2.6587	19	-1.76	539.41	0
539	Nickel (mg / kg (ppm))	0047	45.200	1.8000	52.416	4.6208	2.6587	19	-1.56	539.52	0
539	Nickel (mg / kg (ppm))	0010	48.000	6.0000	52.416	4.6208	2.6587	19	-0.96	539.53	0
539	Nickel (mg / kg (ppm))	0407	49.164	0.71570	52.416	4.6208	2.6587	19	-0.70	539.41	0
539	Nickel (mg / kg (ppm))	0160	49.200	5.8000	52.416	4.6208	2.6587	19	-0.70	539.42	0
539	Nickel (mg / kg (ppm))	2114	49.935	0.65200	52.416	4.6208	2.6587	19	-0.54	539.43	0
539	Nickel (mg / kg (ppm))	0918	50.783	2.1135	52.416	4.6208	2.6587	19	-0.35	539.53	0
539	Nickel (mg / kg (ppm))	0511	51.000	2.0000	52.416	4.6208	2.6587	19	-0.31	539.41	0
539	Nickel (mg / kg (ppm))	2207	52.800	2.0000	52.416	4.6208	2.6587	19	0.08	539.52	0
539	Nickel (mg / kg (ppm))	0227	53.000	2.0000	52.416	4.6208	2.6587	19	0.13	539.33	0
539	Nickel (mg / kg (ppm))	0186	53.550	2.5000	52.416	4.6208	2.6587	19	0.25	539.52	0
539	Nickel (mg / kg (ppm))	0098	54.750	1.1000	52.416	4.6208	2.6587	19	0.51	539.53	0
539	Nickel (mg / kg (ppm))	0964	55.152	5.0401	52.416	4.6208	2.6587	19	0.59	539.43	0
539	Nickel (mg / kg (ppm))	0186	57.000	0.00000	52.416	4.6208	2.6587	19	0.99	539.42	0
539	Nickel (mg / kg (ppm))	2113	58.000	4.0000	52.416	4.6208	2.6587	19	1.21	539.52	0
539	Nickel (mg / kg (ppm))	2033	58.075	6.9500	52.416	4.6208	2.6587	19	1.22	539.43	0
539	Nickel (mg / kg (ppm))	2141	60.895	1.2500	52.416	4.6208	2.6587	19	1.83	539.43	0
539	Nickel (mg / kg (ppm))	0870	64.221	3.2040	52.416	4.6208	2.6587	19	2.55	539.43	0

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as outlier, 5 = A reporting limit and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in the case of 4 or 5 labs reporting Means and SD's may be reported based on Raw Data with obvious blunders removed (Mandel h and k exclusions apply; Grey). Flag 3 indicates not used in statistics.