



AAFCO
Proficiency Testing Program



Dairy Feed

Minerals Scheme

Labs Reporting: 28

Test Material Code # 201853

Analyte Proficiency Testing Report

Issue Date : 10/31/2018

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))	0870	4.3125	0.11710	626.12	38.001	28.861	15	-16.36	015.43	0
015	Aluminum (mg / kg (ppm))	0353	431.50	11.000	626.12	38.001	28.861	15	-5.12	015.43	0
015	Aluminum (mg / kg (ppm))	0186	494.00	10.000	626.12	38.001	28.861	15	-3.48	015.52	0
015	Aluminum (mg / kg (ppm))	0047	530.39	0.06000	626.12	38.001	28.861	15	-2.52	015.52	0
015	Aluminum (mg / kg (ppm))	2207	547.05	47.700	626.12	38.001	28.861	15	-2.08	015.52	0
015	Aluminum (mg / kg (ppm))	0918	562.88	41.686	626.12	38.001	28.861	15	-1.66	015.53	0
015	Aluminum (mg / kg (ppm))	0510	604.00	2.0000	626.12	38.001	28.861	15	-0.58	015.43	0
015	Aluminum (mg / kg (ppm))	0407	640.57	40.893	626.12	38.001	28.861	15	0.38	015.41	0
015	Aluminum (mg / kg (ppm))	0098	699.40	83.800	626.12	38.001	28.861	15	1.93	015.43	0
015	Aluminum (mg / kg (ppm))	0964	720.44	4.1544	626.12	38.001	28.861	15	2.48	015.41	0
015	Aluminum (mg / kg (ppm))	0208	729.50	1.0000	626.12	38.001	28.861	15	2.72	015.41	0
015	Aluminum (mg / kg (ppm))	0042	736.00	110.00	626.12	38.001	28.861	15	2.89	015.42	0
015	Aluminum (mg / kg (ppm))	0227	737.50	17.000	626.12	38.001	28.861	15	2.93	015.32	0
015	Aluminum (mg / kg (ppm))	0553	752.00	44.000	626.12	38.001	28.861	15	3.31	015.53	0
015	Aluminum (mg / kg (ppm))	2033	789.25	19.500	626.12	38.001	28.861	15	4.29	015.43	0
017	Boron (mg / kg (ppm))	0870	0.29115	0.00730	28.301	2.7374	1.4600	10	-10.23	017.43	0
017	Boron (mg / kg (ppm))	2207	22.850	0.30000	28.301	2.7374	1.4600	10	-1.99	017.52	0
017	Boron (mg / kg (ppm))	0047	25.085	0.19000	28.301	2.7374	1.4600	10	-1.17	017.52	0
017	Boron (mg / kg (ppm))	0918	28.670	0.52000	28.301	2.7374	1.4600	10	0.13	017.43	0
017	Boron (mg / kg (ppm))	0353	30.000	6.0000	28.301	2.7374	1.4600	10	0.62	017.43	0
017	Boron (mg / kg (ppm))	0510	30.000	0.00000	28.301	2.7374	1.4600	10	0.62	017.43	0
017	Boron (mg / kg (ppm))	2033	30.200	0.00000	28.301	2.7374	1.4600	10	0.69	017.43	0
017	Boron (mg / kg (ppm))	0553	30.600	1.2000	28.301	2.7374	1.4600	10	0.84	017.53	0
017	Boron (mg / kg (ppm))	0098	31.330	4.3000	28.301	2.7374	1.4600	10	1.11	017.43	0
017	Boron (mg / kg (ppm))	0407	32.057	2.0822	28.301	2.7374	1.4600	10	1.37	017.41	0
021	Cobalt (mg / kg (ppm))	0870	0.16845	0.00390	14.919	1.5890	0.52726	19	-9.28	021.43	0
021	Cobalt (mg / kg (ppm))	2113	12.000	0.00000	14.919	1.5890	0.52726	19	-1.84	021.52	0
021	Cobalt (mg / kg (ppm))	0042	13.550	1.3000	14.919	1.5890	0.52726	19	-0.86	021.42	0
021	Cobalt (mg / kg (ppm))	0047	13.910	1.8200	14.919	1.5890	0.52726	19	-0.64	021.52	0
021	Cobalt (mg / kg (ppm))	0186	14.000	0.00000	14.919	1.5890	0.52726	19	-0.58	021.42	0
021	Cobalt (mg / kg (ppm))	0186	14.100	0.40000	14.919	1.5890	0.52726	19	-0.52	021.52	0
021	Cobalt (mg / kg (ppm))	0407	14.215	0.88940	14.919	1.5890	0.52726	19	-0.44	021.41	0
021	Cobalt (mg / kg (ppm))	0510	14.255	0.29000	14.919	1.5890	0.52726	19	-0.42	021.43	0
021	Cobalt (mg / kg (ppm))	2033	14.375	0.95000	14.919	1.5890	0.52726	19	-0.34	021.43	0
021	Cobalt (mg / kg (ppm))	0208	14.500	0.60000	14.919	1.5890	0.52726	19	-0.26	021.31	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	
021	Cobalt (mg / kg (ppm))	2141	14.518	0.03500	14.919	1.5890	0.52726	19	-0.25	021.43	0
021	Cobalt (mg / kg (ppm))	2207	14.615	0.15000	14.919	1.5890	0.52726	19	-0.19	021.52	0
021	Cobalt (mg / kg (ppm))	0964	16.066	0.00130	14.919	1.5890	0.52726	19	0.72	021.43	0
021	Cobalt (mg / kg (ppm))	0098	16.305	1.1500	14.919	1.5890	0.52726	19	0.87	021.43	0
021	Cobalt (mg / kg (ppm))	0033	16.350	0.30000	14.919	1.5890	0.52726	19	0.90	021.53	0
021	Cobalt (mg / kg (ppm))	0918	16.568	0.14440	14.919	1.5890	0.52726	19	1.04	021.53	0
021	Cobalt (mg / kg (ppm))	0227	17.000	0.00000	14.919	1.5890	0.52726	19	1.31	021.31	0
021	Cobalt (mg / kg (ppm))	0553	17.050	1.3000	14.919	1.5890	0.52726	19	1.34	021.53	0
021	Cobalt (mg / kg (ppm))	0563	18.021	0.68400	14.919	1.5890	0.52726	19	1.95	021.31	0
022	Copper (mg / kg (ppm))	0870	6.5321	0.07020	883.38	50.907	20.705	25	-17.22	022.43	0
022	Copper (mg / kg (ppm))	0511	684.00	128.00	883.38	50.907	20.705	25	-3.92	022.41	0
022	Copper (mg / kg (ppm))	0186	802.00	28.000	883.38	50.907	20.705	25	-1.60	022.52	0
022	Copper (mg / kg (ppm))	0553	820.50	19.000	883.38	50.907	20.705	25	-1.24	022.53	0
022	Copper (mg / kg (ppm))	0510	833.00	4.0000	883.38	50.907	20.705	25	-0.99	022.43	0
022	Copper (mg / kg (ppm))	0202	847.31	10.247	883.38	50.907	20.705	25	-0.71	022.43	0
022	Copper (mg / kg (ppm))	2114	859.12	20.694	883.38	50.907	20.705	25	-0.48	022.43	0
022	Copper (mg / kg (ppm))	2058	866.13	11.430	883.38	50.907	20.705	25	-0.34	022.43	0
022	Copper (mg / kg (ppm))	0042	868.00	2.0000	883.38	50.907	20.705	25	-0.30	022.43	0
022	Copper (mg / kg (ppm))	0918	874.55	50.340	883.38	50.907	20.705	25	-0.17	022.53	0
022	Copper (mg / kg (ppm))	2113	875.00	10.000	883.38	50.907	20.705	25	-0.16	022.52	0
022	Copper (mg / kg (ppm))	0668	880.00	32.000	883.38	50.907	20.705	25	-0.07	022.43	0
022	Copper (mg / kg (ppm))	0407	880.58	18.296	883.38	50.907	20.705	25	-0.05	022.41	0
022	Copper (mg / kg (ppm))	0353	888.50	33.000	883.38	50.907	20.705	25	0.10	022.43	0
022	Copper (mg / kg (ppm))	0208	892.40	4.8000	883.38	50.907	20.705	25	0.18	022.41	0
022	Copper (mg / kg (ppm))	0098	895.30	28.200	883.38	50.907	20.705	25	0.23	022.53	0
022	Copper (mg / kg (ppm))	0186	912.00	4.0000	883.38	50.907	20.705	25	0.56	022.42	0
022	Copper (mg / kg (ppm))	2033	913.25	4.5000	883.38	50.907	20.705	25	0.59	022.43	0
022	Copper (mg / kg (ppm))	0208	915.00	4.0000	883.38	50.907	20.705	25	0.62	022.31	0
022	Copper (mg / kg (ppm))	2207	920.95	15.900	883.38	50.907	20.705	25	0.74	022.52	0
022	Copper (mg / kg (ppm))	0964	927.63	18.476	883.38	50.907	20.705	25	0.87	022.43	0
022	Copper (mg / kg (ppm))	0010	940.00	30.000	883.38	50.907	20.705	25	1.11	022.33	0
022	Copper (mg / kg (ppm))	0227	943.50	33.000	883.38	50.907	20.705	25	1.18	022.41	0
022	Copper (mg / kg (ppm))	0017	959.95	1.8880	883.38	50.907	20.705	25	1.50	022.43	0
022	Copper (mg / kg (ppm))	2141	1,056.4	5.7800	883.38	50.907	20.705	25	3.40	022.43	0
022	Copper (mg / kg (ppm))	0563	45,554	441.44	883.38	50.907	20.705	25	877.49	022.31	2
023	Fluorine (mg / kg (ppm))	2033	8.1100	1.4000				2		023.01	0
023	Fluorine (mg / kg (ppm))	0208	15.000	1.8000				2		023.01	0
024	Iodine (mg / kg (ppm))	2033	0.27250	0.00500				3		024.53	0
024	Iodine (mg / kg (ppm))	0186	383.00	12.000				3		024.52	0
024	Iodine (mg / kg (ppm))	0208	407.50	25.000				3		024.99	0
034	Selenium (mg / kg (ppm))	0870	0.05585	0.00050	4.5495	0.57939	0.21985	17	-7.76	034.43	0
034	Selenium (mg / kg (ppm))	0047	3.1400	0.22000	4.5495	0.57939	0.21985	17	-2.43	034.52	0

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			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests			
034	Selenium (mg / kg (ppm))	2141	3.4495	0.14500	4.5495	0.57939	0.21985	17	-1.90	034.43	0
034	Selenium (mg / kg (ppm))	0563	3.8590	0.05980	4.5495	0.57939	0.21985	17	-1.19	034.04	0
034	Selenium (mg / kg (ppm))	2114	3.9200	0.10600	4.5495	0.57939	0.21985	17	-1.09	034.43	0
034	Selenium (mg / kg (ppm))	0407	4.3375	0.61500	4.5495	0.57939	0.21985	17	-0.37	034.43	0
034	Selenium (mg / kg (ppm))	0964	4.6290	0.63290	4.5495	0.57939	0.21985	17	0.14	034.43	0
034	Selenium (mg / kg (ppm))	2058	4.7900	0.22000	4.5495	0.57939	0.21985	17	0.42	034.53	0
034	Selenium (mg / kg (ppm))	0098	4.7955	0.57300	4.5495	0.57939	0.21985	17	0.42	034.53	0
034	Selenium (mg / kg (ppm))	0033	4.8300	0.18000	4.5495	0.57939	0.21985	17	0.48	034.53	0
034	Selenium (mg / kg (ppm))	0186	4.9800	0.12000	4.5495	0.57939	0.21985	17	0.74	034.52	0
034	Selenium (mg / kg (ppm))	0208	5.0100	0.22000	4.5495	0.57939	0.21985	17	0.79	034.52	0
034	Selenium (mg / kg (ppm))	0553	5.1200	0.06000	4.5495	0.57939	0.21985	17	0.98	034.53	0
034	Selenium (mg / kg (ppm))	2207	5.1500	0.10000	4.5495	0.57939	0.21985	17	1.04	034.52	0
034	Selenium (mg / kg (ppm))	2033	5.1500	0.04000	4.5495	0.57939	0.21985	17	1.04	034.53	0
034	Selenium (mg / kg (ppm))	0227	5.2150	0.33000	4.5495	0.57939	0.21985	17	1.15	034.53	0
034	Selenium (mg / kg (ppm))	0918	5.3559	0.11530	4.5495	0.57939	0.21985	17	1.39	034.53	0
036	Sulfur (%)	2141	0.74095	0.00390	0.87559	0.03573	0.02168	16	-3.77	036.43	0
036	Sulfur (%)	0870	0.77525	0.01890	0.87559	0.03573	0.02168	16	-2.81	036.42	0
036	Sulfur (%)	0186	0.84200	0.01200	0.87559	0.03573	0.02168	16	-0.94	036.52	0
036	Sulfur (%)	0227	0.84500	0.07000	0.87559	0.03573	0.02168	16	-0.86	036.42	0
036	Sulfur (%)	0407	0.85275	0.06270	0.87559	0.03573	0.02168	16	-0.64	036.42	0
036	Sulfur (%)	0208	0.85400	0.05000	0.87559	0.03573	0.02168	16	-0.60	036.00	0
036	Sulfur (%)	0202	0.85490	0.01000	0.87559	0.03573	0.02168	16	-0.58	036.43	0
036	Sulfur (%)	0918	0.86950	0.00100	0.87559	0.03573	0.02168	16	-0.17	036.43	0
036	Sulfur (%)	0668	0.87000	0.01000	0.87559	0.03573	0.02168	16	-0.16	036.43	0
036	Sulfur (%)	2207	0.88000	0.00000	0.87559	0.03573	0.02168	16	0.12	036.42	0
036	Sulfur (%)	0353	0.90500	0.03000	0.87559	0.03573	0.02168	16	0.82	036.43	0
036	Sulfur (%)	0098	0.91100	0.01400	0.87559	0.03573	0.02168	16	0.99	036.43	0
036	Sulfur (%)	2033	0.92000	0.04000	0.87559	0.03573	0.02168	16	1.24	036.43	0
036	Sulfur (%)	0964	0.92390	0.01340	0.87559	0.03573	0.02168	16	1.35	036.43	0
036	Sulfur (%)	0186	0.93250	0.00100	0.87559	0.03573	0.02168	16	1.59	036.42	0
036	Sulfur (%)	0510	0.97500	0.01000	0.87559	0.03573	0.02168	16	2.78	036.43	0
036	Sulfur (%)	0553	0.90350	0.12900	0.87559	0.03573	0.02168	16	0.78	036.53	1
038	Molybdenum (mg / kg (ppm))	0870	0.03265	0.00090	3.0287	0.41007	0.13513	17	-7.31	038.43	0
038	Molybdenum (mg / kg (ppm))	0353	2.4943	0.01090	3.0287	0.41007	0.13513	17	-1.30	038.43	0
038	Molybdenum (mg / kg (ppm))	0047	2.6550	0.07000	3.0287	0.41007	0.13513	17	-0.91	038.52	0
038	Molybdenum (mg / kg (ppm))	0098	2.7625	0.00900	3.0287	0.41007	0.13513	17	-0.65	038.53	0
038	Molybdenum (mg / kg (ppm))	0407	2.7960	0.05910	3.0287	0.41007	0.13513	17	-0.57	038.41	0
038	Molybdenum (mg / kg (ppm))	0208	2.8000	0.64000	3.0287	0.41007	0.13513	17	-0.56	038.41	0
038	Molybdenum (mg / kg (ppm))	2207	2.9000	0.00000	3.0287	0.41007	0.13513	17	-0.31	038.52	0
038	Molybdenum (mg / kg (ppm))	0918	2.9077	0.08730	3.0287	0.41007	0.13513	17	-0.30	038.53	0
038	Molybdenum (mg / kg (ppm))	2141	3.0550	0.01000	3.0287	0.41007	0.13513	17	0.06	038.43	0
038	Molybdenum (mg / kg (ppm))	0186	3.1500	0.10000	3.0287	0.41007	0.13513	17	0.30	038.42	0

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			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests			
038	Molybdenum (mg / kg (ppm))	0510	3.1500	0.10000	3.0287	0.41007	0.13513	17	0.30	038.43	0
038	Molybdenum (mg / kg (ppm))	2113	3.1500	0.10000	3.0287	0.41007	0.13513	17	0.30	038.52	0
038	Molybdenum (mg / kg (ppm))	0227	3.3350	0.29000	3.0287	0.41007	0.13513	17	0.75	038.53	0
038	Molybdenum (mg / kg (ppm))	2033	3.3450	0.31000	3.0287	0.41007	0.13513	17	0.77	038.43	0
038	Molybdenum (mg / kg (ppm))	0553	3.4200	0.18000	3.0287	0.41007	0.13513	17	0.95	038.53	0
038	Molybdenum (mg / kg (ppm))	0033	3.5100	0.10000	3.0287	0.41007	0.13513	17	1.17	038.53	0
038	Molybdenum (mg / kg (ppm))	0042	5.0450	0.23000	3.0287	0.41007	0.13513	17	4.92	038.42	0
038	Molybdenum (mg / kg (ppm))	0563	4.0746	1.5674	3.0287	0.41007	0.13513	17	2.55	038.34	1
041	Vanadium (mg / kg (ppm))	0870	0.06730	0.00120	8.8734	1.0220	0.93136	7	-8.62	041.43	0
041	Vanadium (mg / kg (ppm))	2033	7.0700	0.24000	8.8734	1.0220	0.93136	7	-1.76	041.43	0
041	Vanadium (mg / kg (ppm))	0047	8.7550	1.4100	8.8734	1.0220	0.93136	7	-0.12	041.52	0
041	Vanadium (mg / kg (ppm))	0563	9.5586	1.9583	8.8734	1.0220	0.93136	7	0.67	041.34	0
041	Vanadium (mg / kg (ppm))	0553	9.6550	0.25000	8.8734	1.0220	0.93136	7	0.76	041.53	0
041	Vanadium (mg / kg (ppm))	2207	10.250	1.7000	8.8734	1.0220	0.93136	7	1.35	041.52	0
041	Vanadium (mg / kg (ppm))	0098	11.340	0.96000	8.8734	1.0220	0.93136	7	2.41	041.43	0
516	Arsenic, Total (mg / kg (ppm))	0870	0.02695	0.00090	2.4516	0.34267	0.13337	18	-7.08	516.43	0
516	Arsenic, Total (mg / kg (ppm))	0425	0.56500	0.05000	2.4516	0.34267	0.13337	18	-5.51	516.34	0
516	Arsenic, Total (mg / kg (ppm))	0656	1.7350	0.03000	2.4516	0.34267	0.13337	18	-2.09	516.00	0
516	Arsenic, Total (mg / kg (ppm))	0407	1.9141	0.10060	2.4516	0.34267	0.13337	18	-1.57	516.43	0
516	Arsenic, Total (mg / kg (ppm))	0563	2.2261	0.60500	2.4516	0.34267	0.13337	18	-0.66	516.00	0
516	Arsenic, Total (mg / kg (ppm))	0047	2.3100	0.14000	2.4516	0.34267	0.13337	18	-0.41	516.52	0
516	Arsenic, Total (mg / kg (ppm))	0186	2.3400	0.14000	2.4516	0.34267	0.13337	18	-0.33	516.52	0
516	Arsenic, Total (mg / kg (ppm))	0227	2.5650	0.03000	2.4516	0.34267	0.13337	18	0.33	516.53	0
516	Arsenic, Total (mg / kg (ppm))	2058	2.6050	0.01000	2.4516	0.34267	0.13337	18	0.45	516.53	0
516	Arsenic, Total (mg / kg (ppm))	2033	2.6250	0.05000	2.4516	0.34267	0.13337	18	0.51	516.53	0
516	Arsenic, Total (mg / kg (ppm))	2207	2.6500	0.30000	2.4516	0.34267	0.13337	18	0.58	516.52	0
516	Arsenic, Total (mg / kg (ppm))	0553	2.7100	0.18000	2.4516	0.34267	0.13337	18	0.75	516.53	0
516	Arsenic, Total (mg / kg (ppm))	0964	2.7454	0.07160	2.4516	0.34267	0.13337	18	0.86	516.43	0
516	Arsenic, Total (mg / kg (ppm))	0098	2.7595	0.21900	2.4516	0.34267	0.13337	18	0.90	516.53	0
516	Arsenic, Total (mg / kg (ppm))	0208	2.7600	0.08000	2.4516	0.34267	0.13337	18	0.90	516.52	0
516	Arsenic, Total (mg / kg (ppm))	0918	2.7963	0.13860	2.4516	0.34267	0.13337	18	1.01	516.53	0
516	Arsenic, Total (mg / kg (ppm))	2141	2.8775	0.05500	2.4516	0.34267	0.13337	18	1.24	516.43	0
516	Arsenic, Total (mg / kg (ppm))	2113	3.0000	0.20000	2.4516	0.34267	0.13337	18	1.60	516.52	0
516	Arsenic, Total (mg / kg (ppm))	0042	10.320	1.9600	2.4516	0.34267	0.13337	18	22.96	516.42	1
516	Arsenic, Total (mg / kg (ppm))	2114	< 1		2.4516	0.34267	0.13337	18		516.43	5
518	Cadmium (mg / kg (ppm))	0870	0.03295	0.00030	2.9928	0.40594	0.20581	20	-7.29	518.43	0
518	Cadmium (mg / kg (ppm))	0563	1.6460	0.25800	2.9928	0.40594	0.20581	20	-3.32	518.31	0
518	Cadmium (mg / kg (ppm))	0407	2.5925	0.16870	2.9928	0.40594	0.20581	20	-0.99	518.41	0
518	Cadmium (mg / kg (ppm))	2114	2.6660	0.19600	2.9928	0.40594	0.20581	20	-0.81	518.43	0
518	Cadmium (mg / kg (ppm))	0047	2.7750	0.07000	2.9928	0.40594	0.20581	20	-0.54	518.52	0
518	Cadmium (mg / kg (ppm))	2058	2.8650	0.23000	2.9928	0.40594	0.20581	20	-0.31	518.53	0
518	Cadmium (mg / kg (ppm))	2033	2.8750	0.05000	2.9928	0.40594	0.20581	20	-0.29	518.53	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	
518	Cadmium (mg / kg (ppm))	0227	2.8850	0.13000	2.9928	0.40594	0.20581	20	-0.27	518.53	0
518	Cadmium (mg / kg (ppm))	2141	2.8950	0.01000	2.9928	0.40594	0.20581	20	-0.24	518.43	0
518	Cadmium (mg / kg (ppm))	0042	2.9450	0.19000	2.9928	0.40594	0.20581	20	-0.12	518.42	0
518	Cadmium (mg / kg (ppm))	0186	2.9900	0.18000	2.9928	0.40594	0.20581	20	-0.01	518.52	0
518	Cadmium (mg / kg (ppm))	0918	2.9987	0.01230	2.9928	0.40594	0.20581	20	0.01	518.53	0
518	Cadmium (mg / kg (ppm))	0098	3.0250	0.11000	2.9928	0.40594	0.20581	20	0.08	518.53	0
518	Cadmium (mg / kg (ppm))	0208	3.0450	0.17000	2.9928	0.40594	0.20581	20	0.13	518.52	0
518	Cadmium (mg / kg (ppm))	2113	3.1000	0.20000	2.9928	0.40594	0.20581	20	0.26	518.52	0
518	Cadmium (mg / kg (ppm))	0964	3.2633	0.37080	2.9928	0.40594	0.20581	20	0.67	518.43	0
518	Cadmium (mg / kg (ppm))	2207	3.4950	0.69000	2.9928	0.40594	0.20581	20	1.24	518.52	0
518	Cadmium (mg / kg (ppm))	0425	3.5000	0.20000	2.9928	0.40594	0.20581	20	1.25	518.34	0
518	Cadmium (mg / kg (ppm))	0553	3.5750	0.61000	2.9928	0.40594	0.20581	20	1.43	518.53	0
518	Cadmium (mg / kg (ppm))	0033	3.5850	0.27000	2.9928	0.40594	0.20581	20	1.46	518.53	0
520	Chromium (mg / kg (ppm))	0870	2.0797	0.02080	202.65	14.575	15.281	21	-13.76	520.43	0
520	Chromium (mg / kg (ppm))	0511	152.00	18.000	202.65	14.575	15.281	21	-3.47	520.41	0
520	Chromium (mg / kg (ppm))	0918	174.55	9.4720	202.65	14.575	15.281	21	-1.93	520.53	0
520	Chromium (mg / kg (ppm))	2113	175.00	30.000	202.65	14.575	15.281	21	-1.90	520.52	0
520	Chromium (mg / kg (ppm))	0407	176.97	5.2300	202.65	14.575	15.281	21	-1.76	520.41	0
520	Chromium (mg / kg (ppm))	0042	185.00	44.000	202.65	14.575	15.281	21	-1.21	520.42	0
520	Chromium (mg / kg (ppm))	0047	187.41	9.2200	202.65	14.575	15.281	21	-1.05	520.52	0
520	Chromium (mg / kg (ppm))	2033	188.50	7.0000	202.65	14.575	15.281	21	-0.97	520.43	0
520	Chromium (mg / kg (ppm))	0563	190.73	3.7851	202.65	14.575	15.281	21	-0.82	520.31	0
520	Chromium (mg / kg (ppm))	0208	199.50	17.000	202.65	14.575	15.281	21	-0.22	520.41	0
520	Chromium (mg / kg (ppm))	0186	200.00	16.000	202.65	14.575	15.281	21	-0.18	520.52	0
520	Chromium (mg / kg (ppm))	2058	201.25	16.540	202.65	14.575	15.281	21	-0.10	520.43	0
520	Chromium (mg / kg (ppm))	2141	212.02	2.9670	202.65	14.575	15.281	21	0.64	520.43	0
520	Chromium (mg / kg (ppm))	0510	216.95	4.6300	202.65	14.575	15.281	21	0.98	520.43	0
520	Chromium (mg / kg (ppm))	2207	219.55	37.700	202.65	14.575	15.281	21	1.16	520.52	0
520	Chromium (mg / kg (ppm))	0553	232.00	18.000	202.65	14.575	15.281	21	2.01	520.53	0
520	Chromium (mg / kg (ppm))	0098	234.00	30.000	202.65	14.575	15.281	21	2.15	520.43	0
520	Chromium (mg / kg (ppm))	0033	234.00	0.00000	202.65	14.575	15.281	21	2.15	520.53	0
520	Chromium (mg / kg (ppm))	0227	237.00	6.0000	202.65	14.575	15.281	21	2.36	520.31	0
520	Chromium (mg / kg (ppm))	2114	238.06	11.230	202.65	14.575	15.281	21	2.43	520.43	0
520	Chromium (mg / kg (ppm))	0964	239.43	34.110	202.65	14.575	15.281	21	2.52	520.43	0
526	Lead (mg / kg (ppm))	0870	0.02620	0.00100	2.6257	0.36323	0.20251	20	-7.16	526.43	0
526	Lead (mg / kg (ppm))	0563	1.2434	0.26370	2.6257	0.36323	0.20251	20	-3.81	526.31	0
526	Lead (mg / kg (ppm))	0047	2.1000	0.14000	2.6257	0.36323	0.20251	20	-1.45	526.52	0
526	Lead (mg / kg (ppm))	2058	2.2000	0.18000	2.6257	0.36323	0.20251	20	-1.17	526.53	0
526	Lead (mg / kg (ppm))	2113	2.2500	0.30000	2.6257	0.36323	0.20251	20	-1.03	526.52	0
526	Lead (mg / kg (ppm))	0407	2.3619	0.13790	2.6257	0.36323	0.20251	20	-0.73	526.41	0
526	Lead (mg / kg (ppm))	0425	2.5200	0.02000	2.6257	0.36323	0.20251	20	-0.29	526.34	0
526	Lead (mg / kg (ppm))	2033	2.5250	0.13000	2.6257	0.36323	0.20251	20	-0.28	526.53	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	
526	Lead (mg / kg (ppm))	0186	2.5600	0.16000	2.6257	0.36323	0.20251	20	-0.18	526.52	0
526	Lead (mg / kg (ppm))	0918	2.5921	0.14020	2.6257	0.36323	0.20251	20	-0.09	526.53	0
526	Lead (mg / kg (ppm))	0033	2.6750	0.33000	2.6257	0.36323	0.20251	20	0.14	526.53	0
526	Lead (mg / kg (ppm))	0098	2.7050	0.03000	2.6257	0.36323	0.20251	20	0.22	526.53	0
526	Lead (mg / kg (ppm))	2141	2.7625	0.05500	2.6257	0.36323	0.20251	20	0.38	526.43	0
526	Lead (mg / kg (ppm))	2114	2.8470	0.01400	2.6257	0.36323	0.20251	20	0.61	526.43	0
526	Lead (mg / kg (ppm))	0964	3.0136	0.37830	2.6257	0.36323	0.20251	20	1.07	526.43	0
526	Lead (mg / kg (ppm))	0208	3.0300	0.18000	2.6257	0.36323	0.20251	20	1.11	526.52	0
526	Lead (mg / kg (ppm))	0227	3.0450	0.61000	2.6257	0.36323	0.20251	20	1.15	526.53	0
526	Lead (mg / kg (ppm))	2207	3.0500	0.10000	2.6257	0.36323	0.20251	20	1.17	526.52	0
526	Lead (mg / kg (ppm))	0553	3.0800	0.20000	2.6257	0.36323	0.20251	20	1.25	526.53	0
526	Lead (mg / kg (ppm))	0042	4.5300	0.68000	2.6257	0.36323	0.20251	20	5.24	526.42	0
529	Mercury (µg / kg (ppb))	0047	0.52500	0.07000	103.28	22.722	10.677	11	-4.52	529.99	0
529	Mercury (µg / kg (ppb))	2033	90.648	3.1750	103.28	22.722	10.677	11	-0.56	529.99	0
529	Mercury (µg / kg (ppb))	0186	91.500	4.2000	103.28	22.722	10.677	11	-0.52	529.99	0
529	Mercury (µg / kg (ppb))	0098	95.000	10.000	103.28	22.722	10.677	11	-0.36	529.99	0
529	Mercury (µg / kg (ppb))	0918	96.500	1.0000	103.28	22.722	10.677	11	-0.30	529.99	0
529	Mercury (µg / kg (ppb))	0208	102.10	5.8000	103.28	22.722	10.677	11	-0.05	529.99	0
529	Mercury (µg / kg (ppb))	0553	104.90	24.200	103.28	22.722	10.677	11	0.07	529.99	0
529	Mercury (µg / kg (ppb))	0227	107.50	31.000	103.28	22.722	10.677	11	0.19	529.99	0
529	Mercury (µg / kg (ppb))	0033	113.50	11.000	103.28	22.722	10.677	11	0.45	529.99	0
529	Mercury (µg / kg (ppb))	2114	127.91	7.7990	103.28	22.722	10.677	11	1.08	529.99	0
529	Mercury (µg / kg (ppb))	0563	148.20	19.200	103.28	22.722	10.677	11	1.98	529.99	0
529	Mercury (µg / kg (ppb))	0425	0.00000	0.00000	103.28	22.722	10.677	11		529.00	4
539	Nickel (mg / kg (ppm))	0870	0.09465	0.00290	5.7588	0.70784	0.38251	17	-8.00	539.43	0
539	Nickel (mg / kg (ppm))	0047	3.3450	0.21000	5.7588	0.70784	0.38251	17	-3.41	539.52	0
539	Nickel (mg / kg (ppm))	2113	3.5500	0.10000	5.7588	0.70784	0.38251	17	-3.12	539.52	0
539	Nickel (mg / kg (ppm))	2207	4.0500	0.10000	5.7588	0.70784	0.38251	17	-2.41	539.52	0
539	Nickel (mg / kg (ppm))	0208	4.7450	1.0300	5.7588	0.70784	0.38251	17	-1.43	539.41	0
539	Nickel (mg / kg (ppm))	2114	5.3710	0.01600	5.7588	0.70784	0.38251	17	-0.55	539.43	0
539	Nickel (mg / kg (ppm))	0511	5.5000	1.0000	5.7588	0.70784	0.38251	17	-0.37	539.41	0
539	Nickel (mg / kg (ppm))	0407	5.6772	0.44300	5.7588	0.70784	0.38251	17	-0.12	539.41	0
539	Nickel (mg / kg (ppm))	0042	6.1700	1.4600	5.7588	0.70784	0.38251	17	0.58	539.42	0
539	Nickel (mg / kg (ppm))	0186	6.1850	0.15000	5.7588	0.70784	0.38251	17	0.60	539.52	0
539	Nickel (mg / kg (ppm))	0098	6.3450	0.07000	5.7588	0.70784	0.38251	17	0.83	539.53	0
539	Nickel (mg / kg (ppm))	2141	6.6250	0.21000	5.7588	0.70784	0.38251	17	1.22	539.43	0
539	Nickel (mg / kg (ppm))	0964	6.8163	0.59520	5.7588	0.70784	0.38251	17	1.49	539.43	0
539	Nickel (mg / kg (ppm))	0553	6.8900	0.58000	5.7588	0.70784	0.38251	17	1.60	539.53	0
539	Nickel (mg / kg (ppm))	0918	7.1129	0.43560	5.7588	0.70784	0.38251	17	1.91	539.53	0
539	Nickel (mg / kg (ppm))	0186	8.0000	0.00000	5.7588	0.70784	0.38251	17	3.17	539.42	0
539	Nickel (mg / kg (ppm))	2033	12.700	0.10000	5.7588	0.70784	0.38251	17	9.81	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

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			

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.