



AAFCO
Proficiency Testing Program



Swine Feed, Medicated

Minerals Scheme

Labs Reporting: 29

Test Material Code # 201653

Analyte Proficiency Testing Report

Issue Date : 10/31/2016

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))	2101	131.93	3.2930	167.82	12.417	5.2006	13	-2.89	015.43	0
015	Aluminum (mg / kg (ppm))	0510	135.50	1.0000	167.82	12.417	5.2006	13	-2.60	015.43	0
015	Aluminum (mg / kg (ppm))	0870	137.65	3.5000	167.82	12.417	5.2006	13	-2.43	015.42	0
015	Aluminum (mg / kg (ppm))	0098	158.05	16.900	167.82	12.417	5.2006	13	-0.79	015.43	0
015	Aluminum (mg / kg (ppm))	0278	159.95	0.30000	167.82	12.417	5.2006	13	-0.63	015.43	0
015	Aluminum (mg / kg (ppm))	0964	161.38	1.7760	167.82	12.417	5.2006	13	-0.52	015.41	0
015	Aluminum (mg / kg (ppm))	0918	163.07	2.9230	167.82	12.417	5.2006	13	-0.38	015.43	0
015	Aluminum (mg / kg (ppm))	0208	172.50	13.000	167.82	12.417	5.2006	13	0.38	015.41	0
015	Aluminum (mg / kg (ppm))	0227	173.00	6.0000	167.82	12.417	5.2006	13	0.42	015.41	0
015	Aluminum (mg / kg (ppm))	0553	191.50	7.0000	167.82	12.417	5.2006	13	1.91	015.53	0
015	Aluminum (mg / kg (ppm))	2033	192.25	0.50000	167.82	12.417	5.2006	13	1.97	015.43	0
015	Aluminum (mg / kg (ppm))	0407	195.49	1.5156	167.82	12.417	5.2006	13	2.23	015.41	0
015	Aluminum (mg / kg (ppm))	0047	231.15	9.9000	167.82	12.417	5.2006	13	5.10	015.52	0
017	Boron (mg / kg (ppm))	0208	37.050	2.5000	46.421	4.1677	1.1711	9	-2.25	017.44	0
017	Boron (mg / kg (ppm))	0510	41.400	0.20000	46.421	4.1677	1.1711	9	-1.20	017.43	0
017	Boron (mg / kg (ppm))	0870	43.340	3.0600	46.421	4.1677	1.1711	9	-0.74	017.42	0
017	Boron (mg / kg (ppm))	0918	45.370	0.58000	46.421	4.1677	1.1711	9	-0.25	017.43	0
017	Boron (mg / kg (ppm))	0226	47.720	0.14000	46.421	4.1677	1.1711	9	0.31	017.44	0
017	Boron (mg / kg (ppm))	0098	47.820	1.0400	46.421	4.1677	1.1711	9	0.34	017.43	0
017	Boron (mg / kg (ppm))	2033	48.100	1.4000	46.421	4.1677	1.1711	9	0.40	017.43	0
017	Boron (mg / kg (ppm))	0407	52.160	1.3200	46.421	4.1677	1.1711	9	1.38	017.41	0
017	Boron (mg / kg (ppm))	0553	54.250	0.30000	46.421	4.1677	1.1711	9	1.88	017.53	0
021	Cobalt (mg / kg (ppm))	0619	0.76700	0.01200	1.0401	0.16540	0.12353	18	-1.65	021.41	0
021	Cobalt (mg / kg (ppm))	0407	0.77500	0.05000	1.0401	0.16540	0.12353	18	-1.60	021.41	0
021	Cobalt (mg / kg (ppm))	0047	0.81000	0.00000	1.0401	0.16540	0.12353	18	-1.39	021.52	0
021	Cobalt (mg / kg (ppm))	0918	0.82665	0.01150	1.0401	0.16540	0.12353	18	-1.29	021.53	0
021	Cobalt (mg / kg (ppm))	2113	0.84000	0.26000	1.0401	0.16540	0.12353	18	-1.21	021.52	0
021	Cobalt (mg / kg (ppm))	2141	0.85000	0.08000	1.0401	0.16540	0.12353	18	-1.15	021.43	0
021	Cobalt (mg / kg (ppm))	0098	0.93450	0.32100	1.0401	0.16540	0.12353	18	-0.64	021.43	0
021	Cobalt (mg / kg (ppm))	2033	1.0150	0.01000	1.0401	0.16540	0.12353	18	-0.15	021.43	0
021	Cobalt (mg / kg (ppm))	0510	1.0450	0.09000	1.0401	0.16540	0.12353	18	0.03	021.43	0
021	Cobalt (mg / kg (ppm))	0033	1.0650	0.09000	1.0401	0.16540	0.12353	18	0.15	021.53	0
021	Cobalt (mg / kg (ppm))	2101	1.1025	0.03430	1.0401	0.16540	0.12353	18	0.38	021.43	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))	0870	1.1571	0.53380	1.0401	0.16540	0.12353	18	0.71	021.42	0
021	Cobalt (mg / kg (ppm))	0278	1.1850	0.13000	1.0401	0.16540	0.12353	18	0.88	021.43	0
021	Cobalt (mg / kg (ppm))	0227	1.2000	0.00000	1.0401	0.16540	0.12353	18	0.97	021.31	0
021	Cobalt (mg / kg (ppm))	0964	1.2136	0.12120	1.0401	0.16540	0.12353	18	1.05	021.43	0
021	Cobalt (mg / kg (ppm))	0553	1.2600	0.08000	1.0401	0.16540	0.12353	18	1.33	021.53	0
021	Cobalt (mg / kg (ppm))	0964	1.3020	0.14980	1.0401	0.16540	0.12353	18	1.58	021.41	0
021	Cobalt (mg / kg (ppm))	0208	1.4050	0.25000	1.0401	0.16540	0.12353	18	2.21	021.31	0
021	Cobalt (mg / kg (ppm))	0644	194.71	4.0560	1.0401	0.16540	0.12353	18	1170.92	021.43	2
022	Copper (mg / kg (ppm))	0227	131.00	2.0000	192.35	13.943	8.2774	24	-4.40	022.41	0
022	Copper (mg / kg (ppm))	0619	140.50	29.000	192.35	13.943	8.2774	24	-3.72	022.41	0
022	Copper (mg / kg (ppm))	0964	142.71	0.80900	192.35	13.943	8.2774	24	-3.56	022.41	0
022	Copper (mg / kg (ppm))	0407	152.73	10.834	192.35	13.943	8.2774	24	-2.84	022.41	0
022	Copper (mg / kg (ppm))	0563	156.76	7.0930	192.35	13.943	8.2774	24	-2.55	022.31	0
022	Copper (mg / kg (ppm))	2101	175.55	8.8130	192.35	13.943	8.2774	24	-1.21	022.43	0
022	Copper (mg / kg (ppm))	0226	188.00	12.000	192.35	13.943	8.2774	24	-0.31	022.41	0
022	Copper (mg / kg (ppm))	0208	191.50	5.0000	192.35	13.943	8.2774	24	-0.06	022.31	0
022	Copper (mg / kg (ppm))	0510	193.50	1.0000	192.35	13.943	8.2774	24	0.08	022.43	0
022	Copper (mg / kg (ppm))	2113	195.00	10.000	192.35	13.943	8.2774	24	0.19	022.52	0
022	Copper (mg / kg (ppm))	0208	195.85	16.700	192.35	13.943	8.2774	24	0.25	022.41	0
022	Copper (mg / kg (ppm))	0870	199.20	22.400	192.35	13.943	8.2774	24	0.49	022.42	0
022	Copper (mg / kg (ppm))	0098	199.75	1.3000	192.35	13.943	8.2774	24	0.53	022.53	0
022	Copper (mg / kg (ppm))	0047	200.90	1.8000	192.35	13.943	8.2774	24	0.61	022.52	0
022	Copper (mg / kg (ppm))	0202	201.00	2.0000	192.35	13.943	8.2774	24	0.62	022.42	0
022	Copper (mg / kg (ppm))	0504	202.60	12.400	192.35	13.943	8.2774	24	0.74	022.33	0
022	Copper (mg / kg (ppm))	0918	203.99	15.710	192.35	13.943	8.2774	24	0.83	022.43	0
022	Copper (mg / kg (ppm))	2141	204.40	7.4000	192.35	13.943	8.2774	24	0.86	022.43	0
022	Copper (mg / kg (ppm))	0504	207.05	8.1000	192.35	13.943	8.2774	24	1.05	022.32	0
022	Copper (mg / kg (ppm))	0964	207.38	2.3580	192.35	13.943	8.2774	24	1.08	022.43	0
022	Copper (mg / kg (ppm))	0010	213.50	3.0000	192.35	13.943	8.2774	24	1.52	022.33	0
022	Copper (mg / kg (ppm))	2033	214.00	8.0000	192.35	13.943	8.2774	24	1.55	022.43	0
022	Copper (mg / kg (ppm))	0027	221.67	5.9400	192.35	13.943	8.2774	24	2.10	022.43	0
022	Copper (mg / kg (ppm))	0553	223.50	5.0000	192.35	13.943	8.2774	24	2.23	022.53	0
023	Fluorine (mg / kg (ppm))	0619	20.500	0.20000	34.038	3.2020	1.3750	4	-4.23	023.01	0
023	Fluorine (mg / kg (ppm))	0208	26.700	2.4000	34.038	3.2020	1.3750	4	-2.29	023.01	0
023	Fluorine (mg / kg (ppm))	2033	32.000	1.2000	34.038	3.2020	1.3750	4	-0.64	023.01	0
023	Fluorine (mg / kg (ppm))	0563	56.950	1.7000	34.038	3.2020	1.3750	4	7.16	023.01	0
024	Iodine (mg / kg (ppm))	2058	337.86	12.340	370.42	24.330	12.827	3		024.53	0
024	Iodine (mg / kg (ppm))	0208	357.00	18.000	370.42	24.330	12.827	3		024.99	0
024	Iodine (mg / kg (ppm))	0027	416.41	8.1400	370.42	24.330	12.827	3		024.52	0
024	Iodine (mg / kg (ppm))	2033	0.10600	0.01400	370.42	24.330	12.827	3		024.53	3
034	Selenium (mg / kg (ppm))	2101	0.40300	0.02800	5.4969	0.68039	0.46057	19	-7.49	034.42	0

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034	Selenium (mg / kg (ppm))	0596	1.0100	0.34000	5.4969	0.68039	0.46057	19	-6.59	034.04	0
034	Selenium (mg / kg (ppm))	0619	2.6350	0.55000	5.4969	0.68039	0.46057	19	-4.21	034.43	0
034	Selenium (mg / kg (ppm))	0563	4.0550	0.25000	5.4969	0.68039	0.46057	19	-2.12	034.04	0
034	Selenium (mg / kg (ppm))	0047	4.6100	0.02000	5.4969	0.68039	0.46057	19	-1.30	034.52	0
034	Selenium (mg / kg (ppm))	2033	4.6800	0.20000	5.4969	0.68039	0.46057	19	-1.20	034.53	0
034	Selenium (mg / kg (ppm))	0033	5.3550	0.53000	5.4969	0.68039	0.46057	19	-0.21	034.53	0
034	Selenium (mg / kg (ppm))	0553	5.5050	0.11000	5.4969	0.68039	0.46057	19	0.01	034.53	0
034	Selenium (mg / kg (ppm))	0098	5.8900	0.63400	5.4969	0.68039	0.46057	19	0.58	034.53	0
034	Selenium (mg / kg (ppm))	0208	5.9750	0.13000	5.4969	0.68039	0.46057	19	0.70	034.52	0
034	Selenium (mg / kg (ppm))	0027	5.9850	1.3100	5.4969	0.68039	0.46057	19	0.72	034.43	0
034	Selenium (mg / kg (ppm))	2058	6.0950	0.57000	5.4969	0.68039	0.46057	19	0.88	034.53	0
034	Selenium (mg / kg (ppm))	0964	6.1855	0.10340	5.4969	0.68039	0.46057	19	1.01	034.43	0
034	Selenium (mg / kg (ppm))	0918	6.2340	0.16650	5.4969	0.68039	0.46057	19	1.08	034.53	0
034	Selenium (mg / kg (ppm))	0227	6.4350	0.01000	5.4969	0.68039	0.46057	19	1.38	034.04	0
034	Selenium (mg / kg (ppm))	0010	6.5000	1.0000	5.4969	0.68039	0.46057	19	1.47	034.53	0
034	Selenium (mg / kg (ppm))	0278	6.5450	0.87000	5.4969	0.68039	0.46057	19	1.54	034.43	0
034	Selenium (mg / kg (ppm))	0644	6.6280	1.7600	5.4969	0.68039	0.46057	19	1.66	034.53	0
034	Selenium (mg / kg (ppm))	0870	7.3985	0.16900	5.4969	0.68039	0.46057	19	2.79	034.42	0
034	Selenium (mg / kg (ppm))	2141	6.7650	3.6500	5.4969	0.68039	0.46057	19	1.86	034.43	1
036	Sulfur (%)	2101	0.29635	0.00650	0.49278	0.02192	0.01499	14	-8.96	036.43	0
036	Sulfur (%)	0870	0.46300	0.00840	0.49278	0.02192	0.01499	14	-1.36	036.42	0
036	Sulfur (%)	0227	0.46700	0.00600	0.49278	0.02192	0.01499	14	-1.18	036.43	0
036	Sulfur (%)	2141	0.48000	0.04000	0.49278	0.02192	0.01499	14	-0.58	036.43	0
036	Sulfur (%)	0510	0.48500	0.01000	0.49278	0.02192	0.01499	14	-0.35	036.43	0
036	Sulfur (%)	0027	0.48750	0.00900	0.49278	0.02192	0.01499	14	-0.24	036.43	0
036	Sulfur (%)	0098	0.49100	0.00800	0.49278	0.02192	0.01499	14	-0.08	036.43	0
036	Sulfur (%)	0208	0.49300	0.01400	0.49278	0.02192	0.01499	14	0.01	036.00	0
036	Sulfur (%)	0964	0.49480	0.01680	0.49278	0.02192	0.01499	14	0.09	036.43	0
036	Sulfur (%)	0202	0.49500	0.01000	0.49278	0.02192	0.01499	14	0.10	036.42	0
036	Sulfur (%)	0918	0.49800	0.05000	0.49278	0.02192	0.01499	14	0.24	036.43	0
036	Sulfur (%)	0407	0.52945	0.00110	0.49278	0.02192	0.01499	14	1.67	036.42	0
036	Sulfur (%)	2033	0.53000	0.02000	0.49278	0.02192	0.01499	14	1.70	036.43	0
036	Sulfur (%)	0226	0.53500	0.01000	0.49278	0.02192	0.01499	14	1.93	036.04	0
038	Molybdenum (mg / kg (ppm))	0098	1.1860	0.07600	1.5961	0.23797	0.06972	18	-1.72	038.53	0
038	Molybdenum (mg / kg (ppm))	0563	1.3100	0.03000	1.5961	0.23797	0.06972	18	-1.20	038.34	0
038	Molybdenum (mg / kg (ppm))	2141	1.4000	0.20000	1.5961	0.23797	0.06972	18	-0.82	038.43	0
038	Molybdenum (mg / kg (ppm))	0047	1.4200	0.04000	1.5961	0.23797	0.06972	18	-0.74	038.52	0
038	Molybdenum (mg / kg (ppm))	0964	1.4541	0.00730	1.5961	0.23797	0.06972	18	-0.60	038.41	0
038	Molybdenum (mg / kg (ppm))	2113	1.5000	0.00000	1.5961	0.23797	0.06972	18	-0.40	038.52	0
038	Molybdenum (mg / kg (ppm))	0226	1.5050	0.11000	1.5961	0.23797	0.06972	18	-0.38	038.41	0
038	Molybdenum (mg / kg (ppm))	0964	1.5481	0.12630	1.5961	0.23797	0.06972	18	-0.20	038.43	0

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038	Molybdenum (mg / kg (ppm))	2101	1.5926	0.01600	1.5961	0.23797	0.06972	18	-0.01	038.43	0
038	Molybdenum (mg / kg (ppm))	0918	1.6558	0.13740	1.5961	0.23797	0.06972	18	0.25	038.53	0
038	Molybdenum (mg / kg (ppm))	0407	1.6621	0.09100	1.5961	0.23797	0.06972	18	0.28	038.41	0
038	Molybdenum (mg / kg (ppm))	2033	1.6700	0.12000	1.5961	0.23797	0.06972	18	0.31	038.43	0
038	Molybdenum (mg / kg (ppm))	0227	1.7500	0.10000	1.5961	0.23797	0.06972	18	0.65	038.31	0
038	Molybdenum (mg / kg (ppm))	0553	1.7600	0.04000	1.5961	0.23797	0.06972	18	0.69	038.53	0
038	Molybdenum (mg / kg (ppm))	0033	1.7750	0.05000	1.5961	0.23797	0.06972	18	0.75	038.53	0
038	Molybdenum (mg / kg (ppm))	0510	1.8000	0.00000	1.5961	0.23797	0.06972	18	0.86	038.43	0
038	Molybdenum (mg / kg (ppm))	0010	1.8000	0.00000	1.5961	0.23797	0.06972	18	0.86	038.53	0
038	Molybdenum (mg / kg (ppm))	0870	1.8255	0.11100	1.5961	0.23797	0.06972	18	0.96	038.42	0
038	Molybdenum (mg / kg (ppm))	0208	1.3600	0.38000	1.5961	0.23797	0.06972	18	-0.99	038.41	1
041	Vanadium (mg / kg (ppm))	0619	0.93500	0.01200	1.7546	0.25791	0.08833	9	-3.18	041.41	0
041	Vanadium (mg / kg (ppm))	2033	1.4400	0.10000	1.7546	0.25791	0.08833	9	-1.22	041.43	0
041	Vanadium (mg / kg (ppm))	0870	1.5465	0.17900	1.7546	0.25791	0.08833	9	-0.81	041.42	0
041	Vanadium (mg / kg (ppm))	0047	1.6400	0.04000	1.7546	0.25791	0.08833	9	-0.44	041.52	0
041	Vanadium (mg / kg (ppm))	2101	1.7535	0.21400	1.7546	0.25791	0.08833	9	0.00	041.42	0
041	Vanadium (mg / kg (ppm))	0278	1.9950	0.11000	1.7546	0.25791	0.08833	9	0.93	041.43	0
041	Vanadium (mg / kg (ppm))	0098	2.0110	0.04000	1.7546	0.25791	0.08833	9	0.99	041.43	0
041	Vanadium (mg / kg (ppm))	0553	2.0150	0.01000	1.7546	0.25791	0.08833	9	1.01	041.53	0
041	Vanadium (mg / kg (ppm))	0563	2.1850	0.09000	1.7546	0.25791	0.08833	9	1.67	041.34	0
516	Arsenic, total (mg / kg (ppm))	0619	0.21450	0.00900	2.2559	0.31928	0.20022	18	-6.39	516.43	0
516	Arsenic, total (mg / kg (ppm))	0425	0.23000	0.00000	2.2559	0.31928	0.20022	18	-6.35	516.34	0
516	Arsenic, total (mg / kg (ppm))	0278	1.8450	0.19000	2.2559	0.31928	0.20022	18	-1.29	516.43	0
516	Arsenic, total (mg / kg (ppm))	0047	2.0900	0.16000	2.2559	0.31928	0.20022	18	-0.52	516.52	0
516	Arsenic, total (mg / kg (ppm))	0033	2.1050	0.17000	2.2559	0.31928	0.20022	18	-0.47	516.53	0
516	Arsenic, total (mg / kg (ppm))	2033	2.1400	0.00000	2.2559	0.31928	0.20022	18	-0.36	516.53	0
516	Arsenic, total (mg / kg (ppm))	2101	2.2005	0.17370	2.2559	0.31928	0.20022	18	-0.17	516.42	0
516	Arsenic, total (mg / kg (ppm))	2141	2.3000	0.40000	2.2559	0.31928	0.20022	18	0.14	516.43	0
516	Arsenic, total (mg / kg (ppm))	0644	2.3379	0.02060	2.2559	0.31928	0.20022	18	0.26	516.53	0
516	Arsenic, total (mg / kg (ppm))	0964	2.3462	0.18250	2.2559	0.31928	0.20022	18	0.28	516.43	0
516	Arsenic, total (mg / kg (ppm))	0010	2.3500	0.10000	2.2559	0.31928	0.20022	18	0.29	516.53	0
516	Arsenic, total (mg / kg (ppm))	0227	2.3600	0.12000	2.2559	0.31928	0.20022	18	0.33	516.53	0
516	Arsenic, total (mg / kg (ppm))	0208	2.3600	0.14000	2.2559	0.31928	0.20022	18	0.33	516.52	0
516	Arsenic, total (mg / kg (ppm))	0553	2.3800	0.70000	2.2559	0.31928	0.20022	18	0.39	516.53	0
516	Arsenic, total (mg / kg (ppm))	0918	2.3835	0.06680	2.2559	0.31928	0.20022	18	0.40	516.53	0
516	Arsenic, total (mg / kg (ppm))	0563	2.3979	0.11940	2.2559	0.31928	0.20022	18	0.44	516.00	0
516	Arsenic, total (mg / kg (ppm))	0098	2.6580	0.85200	2.2559	0.31928	0.20022	18	1.26	516.53	0
516	Arsenic, total (mg / kg (ppm))	2113	2.7000	0.20000	2.2559	0.31928	0.20022	18	1.39	516.52	0
516	Arsenic, total (mg / kg (ppm))	0504	32.025	14.410	2.2559	0.31928	0.20022	18	93.24	516.42	2
516	Arsenic, total (mg / kg (ppm))	0160	0.00000	0.00000	2.2559	0.31928	0.20022	18	-7.07	516.42	4
518	Cadmium (mg / kg (ppm))	0619	0.20550	0.00100	0.33137	0.06259	0.02569	19	-2.01	518.41	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))	0407	0.26500	0.03000	0.33137	0.06259	0.02569	19	-1.06	518.41	0
518	Cadmium (mg / kg (ppm))	0047	0.26500	0.01000	0.33137	0.06259	0.02569	19	-1.06	518.52	0
518	Cadmium (mg / kg (ppm))	0278	0.28500	0.01200	0.33137	0.06259	0.02569	19	-0.74	518.43	0
518	Cadmium (mg / kg (ppm))	2033	0.28500	0.03000	0.33137	0.06259	0.02569	19	-0.74	518.53	0
518	Cadmium (mg / kg (ppm))	0964	0.28970	0.01260	0.33137	0.06259	0.02569	19	-0.67	518.43	0
518	Cadmium (mg / kg (ppm))	2141	0.30000	0.00000	0.33137	0.06259	0.02569	19	-0.50	518.43	0
518	Cadmium (mg / kg (ppm))	0553	0.30150	0.09500	0.33137	0.06259	0.02569	19	-0.48	518.53	0
518	Cadmium (mg / kg (ppm))	2101	0.30630	0.01820	0.33137	0.06259	0.02569	19	-0.40	518.42	0
518	Cadmium (mg / kg (ppm))	0098	0.31500	0.03200	0.33137	0.06259	0.02569	19	-0.26	518.53	0
518	Cadmium (mg / kg (ppm))	0918	0.32580	0.00960	0.33137	0.06259	0.02569	19	-0.09	518.53	0
518	Cadmium (mg / kg (ppm))	0208	0.32750	0.00100	0.33137	0.06259	0.02569	19	-0.06	518.52	0
518	Cadmium (mg / kg (ppm))	0227	0.33850	0.01100	0.33137	0.06259	0.02569	19	0.11	518.53	0
518	Cadmium (mg / kg (ppm))	0010	0.38000	0.02000	0.33137	0.06259	0.02569	19	0.78	518.53	0
518	Cadmium (mg / kg (ppm))	0033	0.38500	0.11000	0.33137	0.06259	0.02569	19	0.86	518.53	0
518	Cadmium (mg / kg (ppm))	0644	0.38540	0.03620	0.33137	0.06259	0.02569	19	0.86	518.53	0
518	Cadmium (mg / kg (ppm))	0425	0.45000	0.00000	0.33137	0.06259	0.02569	19	1.90	518.43	0
518	Cadmium (mg / kg (ppm))	0563	0.47675	0.00250	0.33137	0.06259	0.02569	19	2.32	518.34	0
518	Cadmium (mg / kg (ppm))	0870	0.70450	0.05700	0.33137	0.06259	0.02569	19	5.96	518.42	0
518	Cadmium (mg / kg (ppm))	0160	0.00000	0.00000	0.33137	0.06259	0.02569	19	-5.29	518.42	4
520	Chromium (mg / kg (ppm))	0619	24.350	0.70000	54.118	4.7480	5.1268	19	-6.27	520.41	0
520	Chromium (mg / kg (ppm))	0563	38.500	3.0000	54.118	4.7480	5.1268	19	-3.29	520.31	0
520	Chromium (mg / kg (ppm))	0227	42.500	5.0000	54.118	4.7480	5.1268	19	-2.45	520.31	0
520	Chromium (mg / kg (ppm))	0010	48.900	4.0000	54.118	4.7480	5.1268	19	-1.10	520.53	0
520	Chromium (mg / kg (ppm))	0510	49.925	0.05000	54.118	4.7480	5.1268	19	-0.88	520.43	0
520	Chromium (mg / kg (ppm))	0027	50.665	3.3100	54.118	4.7480	5.1268	19	-0.73	520.43	0
520	Chromium (mg / kg (ppm))	0870	50.890	3.4200	54.118	4.7480	5.1268	19	-0.68	520.42	0
520	Chromium (mg / kg (ppm))	2113	52.500	7.0000	54.118	4.7480	5.1268	19	-0.34	520.52	0
520	Chromium (mg / kg (ppm))	0278	53.810	0.02000	54.118	4.7480	5.1268	19	-0.06	520.43	0
520	Chromium (mg / kg (ppm))	2033	54.400	4.4000	54.118	4.7480	5.1268	19	0.06	520.43	0
520	Chromium (mg / kg (ppm))	2101	56.055	0.58780	54.118	4.7480	5.1268	19	0.41	520.43	0
520	Chromium (mg / kg (ppm))	2141	56.400	2.8000	54.118	4.7480	5.1268	19	0.48	520.43	0
520	Chromium (mg / kg (ppm))	0033	56.400	11.800	54.118	4.7480	5.1268	19	0.48	520.53	0
520	Chromium (mg / kg (ppm))	0964	56.865	16.166	54.118	4.7480	5.1268	19	0.58	520.43	0
520	Chromium (mg / kg (ppm))	0918	58.126	10.697	54.118	4.7480	5.1268	19	0.84	520.53	0
520	Chromium (mg / kg (ppm))	0208	61.050	8.5000	54.118	4.7480	5.1268	19	1.46	520.41	0
520	Chromium (mg / kg (ppm))	0098	65.000	8.0000	54.118	4.7480	5.1268	19	2.29	520.43	0
520	Chromium (mg / kg (ppm))	0504	65.715	0.81000	54.118	4.7480	5.1268	19	2.44	520.42	0
520	Chromium (mg / kg (ppm))	0644	66.522	7.1474	54.118	4.7480	5.1268	19	2.61	520.53	0
520	Chromium (mg / kg (ppm))	0553	57.750	26.900	54.118	4.7480	5.1268	19	0.76	520.53	1
526	Lead (mg / kg (ppm))	0619	0.73200	0.08000	2.0487	0.29419	0.18950	21	-4.48	526.41	0
526	Lead (mg / kg (ppm))	0596	1.0650	0.15000	2.0487	0.29419	0.18950	21	-3.34	526.34	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))	0407	1.7250	0.05000	2.0487	0.29419	0.18950	21	-1.10	526.41	0
526	Lead (mg / kg (ppm))	0563	1.7550	0.03000	2.0487	0.29419	0.18950	21	-1.00	526.34	0
526	Lead (mg / kg (ppm))	0047	1.7750	0.03000	2.0487	0.29419	0.18950	21	-0.93	526.52	0
526	Lead (mg / kg (ppm))	2141	1.8000	0.20000	2.0487	0.29419	0.18950	21	-0.85	526.43	0
526	Lead (mg / kg (ppm))	0553	1.8200	0.52000	2.0487	0.29419	0.18950	21	-0.78	526.53	0
526	Lead (mg / kg (ppm))	0425	1.9000	0.00000	2.0487	0.29419	0.18950	21	-0.51	526.34	0
526	Lead (mg / kg (ppm))	0033	2.0150	0.23000	2.0487	0.29419	0.18950	21	-0.11	526.53	0
526	Lead (mg / kg (ppm))	2113	2.0500	0.50000	2.0487	0.29419	0.18950	21	0.00	526.52	0
526	Lead (mg / kg (ppm))	0278	2.0850	0.25000	2.0487	0.29419	0.18950	21	0.12	526.43	0
526	Lead (mg / kg (ppm))	0870	2.1230	0.00800	2.0487	0.29419	0.18950	21	0.25	526.42	0
526	Lead (mg / kg (ppm))	0098	2.1850	0.21000	2.0487	0.29419	0.18950	21	0.46	526.53	0
526	Lead (mg / kg (ppm))	0208	2.2450	0.19000	2.0487	0.29419	0.18950	21	0.67	526.52	0
526	Lead (mg / kg (ppm))	0010	2.2500	0.10000	2.0487	0.29419	0.18950	21	0.68	526.53	0
526	Lead (mg / kg (ppm))	0964	2.2548	0.24150	2.0487	0.29419	0.18950	21	0.70	526.43	0
526	Lead (mg / kg (ppm))	2033	2.2700	0.14000	2.0487	0.29419	0.18950	21	0.75	526.53	0
526	Lead (mg / kg (ppm))	0918	2.3173	0.08680	2.0487	0.29419	0.18950	21	0.91	526.53	0
526	Lead (mg / kg (ppm))	2101	2.3599	0.22660	2.0487	0.29419	0.18950	21	1.06	526.42	0
526	Lead (mg / kg (ppm))	0227	2.4300	0.52000	2.0487	0.29419	0.18950	21	1.30	526.53	0
526	Lead (mg / kg (ppm))	0644	2.6089	0.21650	2.0487	0.29419	0.18950	21	1.90	526.53	0
526	Lead (mg / kg (ppm))	0160	0.00000	0.00000	2.0487	0.29419	0.18950	21	-6.96	526.42	4
529	Mercury (µg / kg (ppb))	0047	0.44000	0.12000	85.038	18.708	7.0626	12	-4.52	529.99	0
529	Mercury (µg / kg (ppb))	0563	44.974	5.4360	85.038	18.708	7.0626	12	-2.14	529.99	0
529	Mercury (µg / kg (ppb))	0425	66.750	0.00000	85.038	18.708	7.0626	12	-0.98	529.00	0
529	Mercury (µg / kg (ppb))	0098	75.000	10.000	85.038	18.708	7.0626	12	-0.54	529.99	0
529	Mercury (µg / kg (ppb))	0553	84.200	14.400	85.038	18.708	7.0626	12	-0.04	529.99	0
529	Mercury (µg / kg (ppb))	2033	93.500	3.0000	85.038	18.708	7.0626	12	0.45	529.99	0
529	Mercury (µg / kg (ppb))	0208	93.750	14.500	85.038	18.708	7.0626	12	0.47	529.99	0
529	Mercury (µg / kg (ppb))	0034	94.000	1.6000	85.038	18.708	7.0626	12	0.48	529.99	0
529	Mercury (µg / kg (ppb))	0010	98.500	7.0000	85.038	18.708	7.0626	12	0.72	529.99	0
529	Mercury (µg / kg (ppb))	0644	99.376	4.7950	85.038	18.708	7.0626	12	0.77	529.99	0
529	Mercury (µg / kg (ppb))	0227	100.25	23.900	85.038	18.708	7.0626	12	0.81	529.99	0
529	Mercury (µg / kg (ppb))	0918	141.00	0.00000	85.038	18.708	7.0626	12	2.99	529.99	0
529	Mercury (µg / kg (ppb))	0596	685.57	101.01	85.038	18.708	7.0626	12	32.10	529.00	1
539	Nickel (mg / kg (ppm))	0870	197.65	13.300	216.61	15.423	11.126	17	-1.23	539.42	0
539	Nickel (mg / kg (ppm))	0964	203.75	34.248	216.61	15.423	11.126	17	-0.83	539.43	0
539	Nickel (mg / kg (ppm))	0208	208.00	26.000	216.61	15.423	11.126	17	-0.56	539.41	0
539	Nickel (mg / kg (ppm))	0047	208.45	0.50000	216.61	15.423	11.126	17	-0.53	539.52	0
539	Nickel (mg / kg (ppm))	2101	209.50	0.67400	216.61	15.423	11.126	17	-0.46	539.43	0
539	Nickel (mg / kg (ppm))	0278	209.75	9.3000	216.61	15.423	11.126	17	-0.44	539.43	0
539	Nickel (mg / kg (ppm))	2113	210.00	20.000	216.61	15.423	11.126	17	-0.43	539.52	0
539	Nickel (mg / kg (ppm))	0504	213.75	3.5000	216.61	15.423	11.126	17	-0.19	539.42	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))	2033	215.25	1.5000	216.61	15.423	11.126	17	-0.09	539.43	0
539	Nickel (mg / kg (ppm))	227	217.00	4.0000	216.61	15.423	11.126	17	0.03	539.31	0
539	Nickel (mg / kg (ppm))	10	218.00	4.0000	216.61	15.423	11.126	17	0.09	539.53	0
539	Nickel (mg / kg (ppm))	918	222.04	17.017	216.61	15.423	11.126	17	0.35	539.53	0
539	Nickel (mg / kg (ppm))	644	222.40	18.884	216.61	15.423	11.126	17	0.38	539.53	0
539	Nickel (mg / kg (ppm))	98	228.00	10.000	216.61	15.423	11.126	17	0.74	539.53	0
539	Nickel (mg / kg (ppm))	27	228.80	6.4200	216.61	15.423	11.126	17	0.79	539.43	0
539	Nickel (mg / kg (ppm))	2141	238.35	14.100	216.61	15.423	11.126	17	1.41	539.43	0
539	Nickel (mg / kg (ppm))	407	245.00	5.7000	216.61	15.423	11.126	17	1.84	539.41	0
539	Nickel (mg / kg (ppm))	553	222.00	62.000	216.61	15.423	11.126	17	0.35	539.53	1

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, 8 = Analyst data exempt and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in this case the Z Scores may be included for information only (Grey, No Action!). Flag 3 indicates not used in statistics.