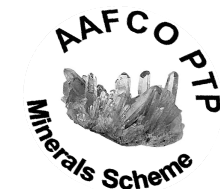




AAFCO[®]
Association of American Feed Control Officials



Minerals Scheme
Sheep Feed, Medicated

Test Material Code # 202253

Labs Reporting: 31

Analytes Reported 16

Issue Date : 10/31/2022

Analyte Proficiency Testing Report

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 (ppm)	0510	196.5	1.000	301.5	20.42	7.565	18	-5.14	015.43	0
015	Aluminum (ppm)	0511	238.5	4.630	301.5	20.42	7.565	18	-3.09	015.43	0
015	Aluminum (ppm)	0186	245.7	3.100	301.5	20.42	7.565	18	-2.73	015.52	0
015	Aluminum (ppm)	0047	248.8	11.02	301.5	20.42	7.565	18	-2.58	015.52	0
015	Aluminum (ppm)	0407	278.8	0.7683	301.5	20.42	7.565	18	-1.11	015.41	0
015	Aluminum (ppm)	2207	283.0	18.00	301.5	20.42	7.565	18	-0.90	015.42	0
015	Aluminum (ppm)	2292	286.0	0.0000	301.5	20.42	7.565	18	-0.76	015.99	0
015	Aluminum (ppm)	2033	301.8	11.00	301.5	20.42	7.565	18	0.02	015.43	0
015	Aluminum (ppm)	0042	304.5	3.000	301.5	20.42	7.565	18	0.15	015.42	0
015	Aluminum (ppm)	0278	314.0	5.170	301.5	20.42	7.565	18	0.61	015.43	0
015	Aluminum (ppm)	0148	318.0	25.42	301.5	20.42	7.565	18	0.81	015.43	0
015	Aluminum (ppm)	0870	329.0	14.87	301.5	20.42	7.565	18	1.35	015.43	0
015	Aluminum (ppm)	0227	333.5	7.000	301.5	20.42	7.565	18	1.57	015.41	0
015	Aluminum (ppm)	0407	337.0	0.0511	301.5	20.42	7.565	18	1.74	015.53	0
015	Aluminum (ppm)	0964	337.0	18.00	301.5	20.42	7.565	18	1.74	015.43	0
015	Aluminum (ppm)	0629	338.0	2.000	301.5	20.42	7.565	18	1.79	015.43	0
015	Aluminum (ppm)	0918	342.7	10.14	301.5	20.42	7.565	18	2.02	015.53	0
015	Aluminum (ppm)	0098	355.5	1.000	301.5	20.42	7.565	18	2.65	015.43	0
017	Boron (ppm)	0047	18.10	1.050	26.70	2.605	1.494	10	-3.30	017.52	0
017	Boron (ppm)	0629	21.60	0.2000	26.70	2.605	1.494	10	-1.96	017.43	0
017	Boron (ppm)	0407	25.16	0.0688	26.70	2.605	1.494	10	-0.59	017.41	0
017	Boron (ppm)	0870	26.23	4.960	26.70	2.605	1.494	10	-0.18	017.43	0
017	Boron (ppm)	2033	27.30	0.4000	26.70	2.605	1.494	10	0.23	017.43	0
017	Boron (ppm)	0510	28.00	2.000	26.70	2.605	1.494	10	0.50	017.43	0
017	Boron (ppm)	0918	28.04	1.410	26.70	2.605	1.494	10	0.51	017.43	0
017	Boron (ppm)	0407	28.70	3.197	26.70	2.605	1.494	10	0.77	017.53	0
017	Boron (ppm)	0098	29.01	0.5500	26.70	2.605	1.494	10	0.88	017.43	0
017	Boron (ppm)	2207	32.05	1.100	26.70	2.605	1.494	10	2.05	017.42	0
021	Cobalt (ppm)	0511	19.25	0.7600	26.59	2.596	1.043	22	-2.83	021.43	0
021	Cobalt (ppm)	0407	22.23	0.3715	26.59	2.596	1.043	22	-1.68	021.41	0
021	Cobalt (ppm)	0047	22.90	0.1500	26.59	2.596	1.043	22	-1.42	021.52	0
021	Cobalt (ppm)	0629	24.05	0.3000	26.59	2.596	1.043	22	-0.98	021.43	0
021	Cobalt (ppm)	2141	24.31	0.7000	26.59	2.596	1.043	22	-0.88	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 (ppm)	0227	25.00	0.0000	26.59	2.596	1.043	22	-0.61	021.41	0
021	Cobalt (ppm)	0186	25.50	1.000	26.59	2.596	1.043	22	-0.42	021.52	0
021	Cobalt (ppm)	2113	26.00	2.000	26.59	2.596	1.043	22	-0.23	021.52	0
021	Cobalt (ppm)	0033	26.35	1.300	26.59	2.596	1.043	22	-0.09	021.53	0
021	Cobalt (ppm)	0042	26.55	0.1000	26.59	2.596	1.043	22	-0.02	021.42	0
021	Cobalt (ppm)	0510	26.66	1.560	26.59	2.596	1.043	22	0.03	021.43	0
021	Cobalt (ppm)	0278	26.80	0.4700	26.59	2.596	1.043	22	0.08	021.43	0
021	Cobalt (ppm)	0964	27.00	1.400	26.59	2.596	1.043	22	0.16	021.43	0
021	Cobalt (ppm)	0910	27.17	0.8400	26.59	2.596	1.043	22	0.22	021.52	0
021	Cobalt (ppm)	0098	27.53	0.2800	26.59	2.596	1.043	22	0.36	021.53	0
021	Cobalt (ppm)	0572	28.05	0.9000	26.59	2.596	1.043	22	0.56	021.53	0
021	Cobalt (ppm)	0870	28.39	0.2785	26.59	2.596	1.043	22	0.69	021.43	0
021	Cobalt (ppm)	2033	28.43	0.8100	26.59	2.596	1.043	22	0.71	021.43	0
021	Cobalt (ppm)	0148	28.80	4.395	26.59	2.596	1.043	22	0.85	021.43	0
021	Cobalt (ppm)	2207	29.75	0.9000	26.59	2.596	1.043	22	1.22	021.52	0
021	Cobalt (ppm)	0407	30.01	0.1739	26.59	2.596	1.043	22	1.32	021.53	0
021	Cobalt (ppm)	0918	36.95	4.254	26.59	2.596	1.043	22	3.99	021.53	0
022	Copper (ppm)	2292	16.00	0.0000	23.71	2.355	1.710	26	-3.27	022.99	0
022	Copper (ppm)	0511	17.96	0.1300	23.71	2.355	1.710	26	-2.44	022.43	0
022	Copper (ppm)	0047	19.29	0.0700	23.71	2.355	1.710	26	-1.88	022.52	0
022	Copper (ppm)	0009	19.60	3.400	23.71	2.355	1.710	26	-1.75	022.42	0
022	Copper (ppm)	2113	20.00	2.000	23.71	2.355	1.710	26	-1.58	022.52	0
022	Copper (ppm)	0407	20.31	0.4094	23.71	2.355	1.710	26	-1.45	022.41	0
022	Copper (ppm)	0202	20.55	0.1000	23.71	2.355	1.710	26	-1.34	022.43	0
022	Copper (ppm)	0870	21.36	0.8026	23.71	2.355	1.710	26	-1.00	022.43	0
022	Copper (ppm)	0964	22.35	0.9000	23.71	2.355	1.710	26	-0.58	022.43	0
022	Copper (ppm)	0098	22.90	0.1800	23.71	2.355	1.710	26	-0.35	022.53	0
022	Copper (ppm)	0629	23.25	0.3000	23.71	2.355	1.710	26	-0.20	022.43	0
022	Copper (ppm)	0918	23.72	0.4400	23.71	2.355	1.710	26	0.00	022.43	0
022	Copper (ppm)	0910	24.00	2.000	23.71	2.355	1.710	26	0.12	022.41	0
022	Copper (ppm)	0510	24.00	2.000	23.71	2.355	1.710	26	0.12	022.43	0
022	Copper (ppm)	0553	24.30	1.000	23.71	2.355	1.710	26	0.25	022.53	0
022	Copper (ppm)	0017	24.54	0.9831	23.71	2.355	1.710	26	0.35	022.43	0
022	Copper (ppm)	2141	24.60	0.7590	23.71	2.355	1.710	26	0.38	022.43	0
022	Copper (ppm)	0529	24.95	4.900	23.71	2.355	1.710	26	0.53	022.31	0
022	Copper (ppm)	0227	25.00	0.0000	23.71	2.355	1.710	26	0.55	022.41	0
022	Copper (ppm)	2207	26.65	0.3000	23.71	2.355	1.710	26	1.25	022.42	0
022	Copper (ppm)	0148	26.96	5.701	23.71	2.355	1.710	26	1.38	022.43	0
022	Copper (ppm)	0010	27.50	1.000	23.71	2.355	1.710	26	1.61	022.33	0
022	Copper (ppm)	2033	27.85	0.5000	23.71	2.355	1.710	26	1.76	022.43	0
022	Copper (ppm)	0572	28.60	7.400	23.71	2.355	1.710	26	2.07	022.53	0
022	Copper (ppm)	0407	28.87	8.478	23.71	2.355	1.710	26	2.19	022.53	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag
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022	Copper (ppm)	0278	29.85	0.7000	23.71	2.355	1.710	26	2.61	022.42	0
023	Fluorine (ppm)	2033	113.5	3.000				3		023.01	0
023	Fluorine (ppm)	0910	158.1	5.300				3		023.99	0
023	Fluorine (ppm)	0227	165.0	10.00				3		023.01	0
024	Iodine (ppm)	0910	8.553	0.0250				3		024.52	0
024	Iodine (ppm)	0186	11.50	1.000				3		024.52	0
024	Iodine (ppm)	0160	11.70	0.0000				3		024.52	0
034	Selenium, Total (Se) (ppm)	0511	4.850	0.0400	6.525	0.7871	0.4162	19	-2.13	034.43	0
034	Selenium, Total (Se) (ppm)	0629	5.460	0.1400	6.525	0.7871	0.4162	19	-1.35	034.43	0
034	Selenium, Total (Se) (ppm)	0047	5.680	0.3600	6.525	0.7871	0.4162	19	-1.07	034.52	0
034	Selenium, Total (Se) (ppm)	0278	6.040	0.1800	6.525	0.7871	0.4162	19	-0.62	034.53	0
034	Selenium, Total (Se) (ppm)	0148	6.070	0.2000	6.525	0.7871	0.4162	19	-0.58	034.42	0
034	Selenium, Total (Se) (ppm)	0186	6.220	0.3400	6.525	0.7871	0.4162	19	-0.39	034.52	0
034	Selenium, Total (Se) (ppm)	0910	6.250	0.5000	6.525	0.7871	0.4162	19	-0.35	034.52	0
034	Selenium, Total (Se) (ppm)	0870	6.254	0.6115	6.525	0.7871	0.4162	19	-0.34	034.43	0
034	Selenium, Total (Se) (ppm)	0572	6.310	1.060	6.525	0.7871	0.4162	19	-0.27	034.53	0
034	Selenium, Total (Se) (ppm)	0033	6.395	0.5300	6.525	0.7871	0.4162	19	-0.17	034.53	0
034	Selenium, Total (Se) (ppm)	0553	6.430	0.4200	6.525	0.7871	0.4162	19	-0.12	034.53	0
034	Selenium, Total (Se) (ppm)	2141	6.689	0.8880	6.525	0.7871	0.4162	19	0.21	034.43	0
034	Selenium, Total (Se) (ppm)	0227	6.735	0.0900	6.525	0.7871	0.4162	19	0.27	034.43	0
034	Selenium, Total (Se) (ppm)	2207	6.950	0.1000	6.525	0.7871	0.4162	19	0.54	034.52	0
034	Selenium, Total (Se) (ppm)	0964	7.120	1.400	6.525	0.7871	0.4162	19	0.76	034.43	0
034	Selenium, Total (Se) (ppm)	0098	7.185	0.1550	6.525	0.7871	0.4162	19	0.84	034.53	0
034	Selenium, Total (Se) (ppm)	0918	7.438	0.0180	6.525	0.7871	0.4162	19	1.16	034.53	0
034	Selenium, Total (Se) (ppm)	0407	7.938	0.5744	6.525	0.7871	0.4162	19	1.79	034.53	0
034	Selenium, Total (Se) (ppm)	0010	8.450	0.3000	6.525	0.7871	0.4162	19	2.45	034.53	0
036	Sulfur (%)	2141	0.5630	0.0239	0.6285	0.0270	0.0193	17	-2.43	036.43	0
036	Sulfur (%)	0202	0.5700	0.0000	0.6285	0.0270	0.0193	17	-2.17	036.43	0
036	Sulfur (%)	0910	0.5783	0.0086	0.6285	0.0270	0.0193	17	-1.86	036.42	0
036	Sulfur (%)	0186	0.5860	0.0160	0.6285	0.0270	0.0193	17	-1.58	036.42	0
036	Sulfur (%)	0227	0.5900	0.0000	0.6285	0.0270	0.0193	17	-1.43	036.42	0
036	Sulfur (%)	2207	0.6150	0.0100	0.6285	0.0270	0.0193	17	-0.50	036.42	0
036	Sulfur (%)	2033	0.6150	0.0300	0.6285	0.0270	0.0193	17	-0.50	036.43	0
036	Sulfur (%)	0407	0.6177	0.0316	0.6285	0.0270	0.0193	17	-0.40	036.42	0
036	Sulfur (%)	0629	0.6200	0.0000	0.6285	0.0270	0.0193	17	-0.32	036.43	0
036	Sulfur (%)	0510	0.6250	0.0100	0.6285	0.0270	0.0193	17	-0.13	036.43	0
036	Sulfur (%)	0186	0.6369	0.0009	0.6285	0.0270	0.0193	17	0.31	036.52	0
036	Sulfur (%)	0964	0.6568	0.0536	0.6285	0.0270	0.0193	17	1.05	036.43	0
036	Sulfur (%)	0098	0.6640	0.0020	0.6285	0.0270	0.0193	17	1.32	036.43	0
036	Sulfur (%)	0278	0.6700	0.0400	0.6285	0.0270	0.0193	17	1.54	036.42	0
036	Sulfur (%)	0918	0.6705	0.0430	0.6285	0.0270	0.0193	17	1.56	036.43	0
036	Sulfur (%)	2292	0.7255	0.0090	0.6285	0.0270	0.0193	17	3.60	036.99	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			
036	Sulfur (%)	0870	0.7270	0.0489	0.6285	0.0270	0.0193	17	3.65	036.42	0
038	Molybdenum (ppm)	0870	7.298	0.2764	12.65	1.381	0.4021	23	-3.87	038.43	0
038	Molybdenum (ppm)	0511	9.105	0.3300	12.65	1.381	0.4021	23	-2.57	038.43	0
038	Molybdenum (ppm)	0407	10.93	0.0509	12.65	1.381	0.4021	23	-1.25	038.41	0
038	Molybdenum (ppm)	0910	11.32	0.3700	12.65	1.381	0.4021	23	-0.96	038.52	0
038	Molybdenum (ppm)	2113	11.50	1.000	12.65	1.381	0.4021	23	-0.83	038.52	0
038	Molybdenum (ppm)	0510	11.80	0.6000	12.65	1.381	0.4021	23	-0.61	038.43	0
038	Molybdenum (ppm)	0047	12.01	0.2300	12.65	1.381	0.4021	23	-0.47	038.52	0
038	Molybdenum (ppm)	0629	12.30	0.2000	12.65	1.381	0.4021	23	-0.25	038.43	0
038	Molybdenum (ppm)	0572	12.40	0.2000	12.65	1.381	0.4021	23	-0.18	038.53	0
038	Molybdenum (ppm)	0278	12.54	0.6900	12.65	1.381	0.4021	23	-0.08	038.42	0
038	Molybdenum (ppm)	0033	12.55	0.9000	12.65	1.381	0.4021	23	-0.07	038.53	0
038	Molybdenum (ppm)	0098	12.88	0.2600	12.65	1.381	0.4021	23	0.17	038.53	0
038	Molybdenum (ppm)	0964	12.95	0.9000	12.65	1.381	0.4021	23	0.22	038.43	0
038	Molybdenum (ppm)	2033	12.99	0.0900	12.65	1.381	0.4021	23	0.24	038.43	0
038	Molybdenum (ppm)	0186	13.00	0.0000	12.65	1.381	0.4021	23	0.26	038.52	0
038	Molybdenum (ppm)	0227	13.00	0.2000	12.65	1.381	0.4021	23	0.26	038.53	0
038	Molybdenum (ppm)	0010	13.15	0.5000	12.65	1.381	0.4021	23	0.36	038.53	0
038	Molybdenum (ppm)	0407	13.43	0.4288	12.65	1.381	0.4021	23	0.57	038.53	0
038	Molybdenum (ppm)	0918	13.80	0.6720	12.65	1.381	0.4021	23	0.84	038.53	0
038	Molybdenum (ppm)	2141	14.06	0.1950	12.65	1.381	0.4021	23	1.02	038.43	0
038	Molybdenum (ppm)	2207	14.10	0.2000	12.65	1.381	0.4021	23	1.05	038.52	0
038	Molybdenum (ppm)	0148	14.15	0.4559	12.65	1.381	0.4021	23	1.09	038.43	0
038	Molybdenum (ppm)	0042	14.75	0.5000	12.65	1.381	0.4021	23	1.52	038.42	0
041	Vanadium (ppm)	0278	8.030	0.0800	10.13	1.144	0.3581	9	-1.84	041.43	0
041	Vanadium (ppm)	2033	8.040	0.2800	10.13	1.144	0.3581	9	-1.83	041.43	0
041	Vanadium (ppm)	0629	8.255	0.1300	10.13	1.144	0.3581	9	-1.64	041.43	0
041	Vanadium (ppm)	0098	8.417	0.2370	10.13	1.144	0.3581	9	-1.50	041.53	0
041	Vanadium (ppm)	0407	9.497	0.1645	10.13	1.144	0.3581	9	-0.56	041.53	0
041	Vanadium (ppm)	0047	10.04	0.1820	10.13	1.144	0.3581	9	-0.08	041.52	0
041	Vanadium (ppm)	2207	10.75	0.3000	10.13	1.144	0.3581	9	0.54	041.52	0
041	Vanadium (ppm)	0870	13.90	0.9790	10.13	1.144	0.3581	9	3.29	041.43	0
041	Vanadium (ppm)	0511	28.21	0.8700	10.13	1.144	0.3581	9	15.80	041.43	0
516	Arsenic, Total (As) (ppm)	0047	16.37	0.6200	25.60	2.513	0.8759	23	-3.67	516.52	0
516	Arsenic, Total (As) (ppm)	0148	17.69	0.7686	25.60	2.513	0.8759	23	-3.15	516.43	0
516	Arsenic, Total (As) (ppm)	0511	18.54	0.6900	25.60	2.513	0.8759	23	-2.81	516.43	0
516	Arsenic, Total (As) (ppm)	0629	23.35	0.3000	25.60	2.513	0.8759	23	-0.89	516.43	0
516	Arsenic, Total (As) (ppm)	0278	23.73	0.1600	25.60	2.513	0.8759	23	-0.74	516.53	0
516	Arsenic, Total (As) (ppm)	0186	23.90	0.5200	25.60	2.513	0.8759	23	-0.67	516.52	0
516	Arsenic, Total (As) (ppm)	0553	24.10	0.2000	25.60	2.513	0.8759	23	-0.59	516.53	0
516	Arsenic, Total (As) (ppm)	0042	24.45	3.300	25.60	2.513	0.8759	23	-0.46	516.42	0
516	Arsenic, Total (As) (ppm)	0033	24.60	1.200	25.60	2.513	0.8759	23	-0.40	516.53	0

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516	Arsenic, Total (As) (ppm)	0227	25.90	0.2000	25.60	2.513	0.8759	23	0.12	516.53	0
516	Arsenic, Total (As) (ppm)	0407	25.98	1.480	25.60	2.513	0.8759	23	0.15	516.53	0
516	Arsenic, Total (As) (ppm)	0964	26.00	1.200	25.60	2.513	0.8759	23	0.16	516.43	0
516	Arsenic, Total (As) (ppm)	0098	26.01	0.4600	25.60	2.513	0.8759	23	0.17	516.53	0
516	Arsenic, Total (As) (ppm)	0910	26.02	2.500	25.60	2.513	0.8759	23	0.17	516.52	0
516	Arsenic, Total (As) (ppm)	0010	26.05	0.1000	25.60	2.513	0.8759	23	0.18	516.53	0
516	Arsenic, Total (As) (ppm)	0572	26.30	0.8000	25.60	2.513	0.8759	23	0.28	516.53	0
516	Arsenic, Total (As) (ppm)	2141	27.30	3.264	25.60	2.513	0.8759	23	0.68	516.43	0
516	Arsenic, Total (As) (ppm)	2171	27.36	0.5424	25.60	2.513	0.8759	23	0.70	516.53	0
516	Arsenic, Total (As) (ppm)	0870	27.48	1.104	25.60	2.513	0.8759	23	0.75	516.43	0
516	Arsenic, Total (As) (ppm)	2207	27.75	0.3000	25.60	2.513	0.8759	23	0.86	516.52	0
516	Arsenic, Total (As) (ppm)	0918	28.30	0.4370	25.60	2.513	0.8759	23	1.08	516.53	0
516	Arsenic, Total (As) (ppm)	2113	31.00	0.0000	25.60	2.513	0.8759	23	2.15	516.52	0
516	Arsenic, Total (As) (ppm)	0656	49.25	0.0000	25.60	2.513	0.8759	23	9.41	516.34	0
518	Cadmium (ppm)	0656	0.9540	0.0000	2.575	0.3572	0.0957	24	-4.54	518.34	0
518	Cadmium (ppm)	0511	1.705	0.0100	2.575	0.3572	0.0957	24	-2.43	518.43	0
518	Cadmium (ppm)	0407	1.870	0.1202	2.575	0.3572	0.0957	24	-1.97	518.41	0
518	Cadmium (ppm)	0629	2.275	0.0100	2.575	0.3572	0.0957	24	-0.84	518.43	0
518	Cadmium (ppm)	0910	2.325	0.1100	2.575	0.3572	0.0957	24	-0.70	518.52	0
518	Cadmium (ppm)	2141	2.344	0.0580	2.575	0.3572	0.0957	24	-0.65	518.43	0
518	Cadmium (ppm)	0186	2.485	0.0100	2.575	0.3572	0.0957	24	-0.25	518.52	0
518	Cadmium (ppm)	0278	2.520	0.0400	2.575	0.3572	0.0957	24	-0.15	518.43	0
518	Cadmium (ppm)	0870	2.540	0.0400	2.575	0.3572	0.0957	24	-0.10	518.43	0
518	Cadmium (ppm)	0033	2.565	0.0100	2.575	0.3572	0.0957	24	-0.03	518.53	0
518	Cadmium (ppm)	0010	2.600	0.2000	2.575	0.3572	0.0957	24	0.07	518.53	0
518	Cadmium (ppm)	0042	2.610	0.0800	2.575	0.3572	0.0957	24	0.10	518.42	0
518	Cadmium (ppm)	0148	2.610	0.3400	2.575	0.3572	0.0957	24	0.10	518.43	0
518	Cadmium (ppm)	0964	2.620	0.3200	2.575	0.3572	0.0957	24	0.13	518.43	0
518	Cadmium (ppm)	0227	2.635	0.0100	2.575	0.3572	0.0957	24	0.17	518.53	0
518	Cadmium (ppm)	0918	2.657	0.0160	2.575	0.3572	0.0957	24	0.23	518.53	0
518	Cadmium (ppm)	0572	2.720	0.0800	2.575	0.3572	0.0957	24	0.41	518.53	0
518	Cadmium (ppm)	0553	2.735	0.1500	2.575	0.3572	0.0957	24	0.45	518.53	0
518	Cadmium (ppm)	0407	2.737	0.0561	2.575	0.3572	0.0957	24	0.45	518.53	0
518	Cadmium (ppm)	2113	2.750	0.3000	2.575	0.3572	0.0957	24	0.49	518.52	0
518	Cadmium (ppm)	0098	2.775	0.0500	2.575	0.3572	0.0957	24	0.56	518.53	0
518	Cadmium (ppm)	2207	2.800	0.2000	2.575	0.3572	0.0957	24	0.63	518.52	0
518	Cadmium (ppm)	2171	3.032	0.0257	2.575	0.3572	0.0957	24	1.28	518.53	0
518	Cadmium (ppm)	0047	4.260	0.0600	2.575	0.3572	0.0957	24	4.72	518.52	0
520	Chromium, Total (Cr) (ppm)	0047	14.35	0.4600	21.17	2.139	1.032	22	-3.19	520.52	0
520	Chromium, Total (Cr) (ppm)	0407	15.65	0.2750	21.17	2.139	1.032	22	-2.58	520.41	0
520	Chromium, Total (Cr) (ppm)	0910	16.34	0.9700	21.17	2.139	1.032	22	-2.26	520.52	0
520	Chromium, Total (Cr) (ppm)	2113	16.50	3.000	21.17	2.139	1.032	22	-2.18	520.52	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, Total (Cr) (ppm)	0511	16.67	0.6800	21.17	2.139	1.032	22	-2.10	520.43	0
520	Chromium, Total (Cr) (ppm)	2207	19.35	0.3000	21.17	2.139	1.032	22	-0.85	520.52	0
520	Chromium, Total (Cr) (ppm)	0042	20.15	1.500	21.17	2.139	1.032	22	-0.47	520.42	0
520	Chromium, Total (Cr) (ppm)	2141	20.49	0.7330	21.17	2.139	1.032	22	-0.32	520.43	0
520	Chromium, Total (Cr) (ppm)	0629	20.65	0.1000	21.17	2.139	1.032	22	-0.24	520.43	0
520	Chromium, Total (Cr) (ppm)	0870	21.88	1.063	21.17	2.139	1.032	22	0.33	520.43	0
520	Chromium, Total (Cr) (ppm)	0098	21.90	0.0000	21.17	2.139	1.032	22	0.34	520.53	0
520	Chromium, Total (Cr) (ppm)	0510	22.36	0.9700	21.17	2.139	1.032	22	0.56	520.43	0
520	Chromium, Total (Cr) (ppm)	0227	22.70	0.0000	21.17	2.139	1.032	22	0.72	520.53	0
520	Chromium, Total (Cr) (ppm)	0033	22.85	0.9000	21.17	2.139	1.032	22	0.79	520.53	0
520	Chromium, Total (Cr) (ppm)	0010	22.90	0.8000	21.17	2.139	1.032	22	0.81	520.53	0
520	Chromium, Total (Cr) (ppm)	0278	23.01	0.5000	21.17	2.139	1.032	22	0.86	520.43	0
520	Chromium, Total (Cr) (ppm)	0553	23.05	0.5000	21.17	2.139	1.032	22	0.88	520.53	0
520	Chromium, Total (Cr) (ppm)	0186	23.45	0.9000	21.17	2.139	1.032	22	1.07	520.52	0
520	Chromium, Total (Cr) (ppm)	0407	23.70	0.1272	21.17	2.139	1.032	22	1.18	520.53	0
520	Chromium, Total (Cr) (ppm)	0148	24.28	1.597	21.17	2.139	1.032	22	1.45	520.43	0
520	Chromium, Total (Cr) (ppm)	0964	25.40	3.400	21.17	2.139	1.032	22	1.98	520.43	0
520	Chromium, Total (Cr) (ppm)	0918	30.07	3.937	21.17	2.139	1.032	22	4.17	520.53	0
526	Lead (ppm)	0148	1.350	0.4600	2.619	0.3624	0.1211	23	-3.50	526.43	0
526	Lead (ppm)	0656	1.840	0.0000	2.619	0.3624	0.1211	23	-2.15	526.34	0
526	Lead (ppm)	2141	1.976	0.0920	2.619	0.3624	0.1211	23	-1.77	526.43	0
526	Lead (ppm)	0629	2.170	0.0600	2.619	0.3624	0.1211	23	-1.24	526.43	0
526	Lead (ppm)	0407	2.286	0.0029	2.619	0.3624	0.1211	23	-0.92	526.41	0
526	Lead (ppm)	2113	2.350	0.3000	2.619	0.3624	0.1211	23	-0.74	526.52	0
526	Lead (ppm)	0964	2.370	0.5400	2.619	0.3624	0.1211	23	-0.69	526.43	0
526	Lead (ppm)	0010	2.600	0.0000	2.619	0.3624	0.1211	23	-0.05	526.53	0
526	Lead (ppm)	0033	2.615	0.0100	2.619	0.3624	0.1211	23	-0.01	526.53	0
526	Lead (ppm)	0227	2.640	0.0200	2.619	0.3624	0.1211	23	0.06	526.53	0
526	Lead (ppm)	2171	2.692	0.1197	2.619	0.3624	0.1211	23	0.20	526.53	0
526	Lead (ppm)	0910	2.720	0.1000	2.619	0.3624	0.1211	23	0.28	526.52	0
526	Lead (ppm)	0186	2.765	0.0100	2.619	0.3624	0.1211	23	0.40	526.52	0
526	Lead (ppm)	0870	2.771	0.1828	2.619	0.3624	0.1211	23	0.42	526.43	0
526	Lead (ppm)	0047	2.780	0.1400	2.619	0.3624	0.1211	23	0.44	526.52	0
526	Lead (ppm)	0098	2.780	0.1000	2.619	0.3624	0.1211	23	0.44	526.53	0
526	Lead (ppm)	0553	2.780	0.1600	2.619	0.3624	0.1211	23	0.44	526.53	0
526	Lead (ppm)	0572	2.795	0.0900	2.619	0.3624	0.1211	23	0.49	526.53	0
526	Lead (ppm)	2207	2.850	0.1000	2.619	0.3624	0.1211	23	0.64	526.52	0
526	Lead (ppm)	0278	2.895	0.0500	2.619	0.3624	0.1211	23	0.76	526.43	0
526	Lead (ppm)	0407	2.956	0.0636	2.619	0.3624	0.1211	23	0.93	526.53	0
526	Lead (ppm)	0918	3.002	0.1440	2.619	0.3624	0.1211	23	1.06	526.53	0
526	Lead (ppm)	0042	4.820	0.0400	2.619	0.3624	0.1211	23	6.07	526.42	0
526	Lead (ppm)	0511	2.310	1.520	2.619	0.3624	0.1211	23	-0.85	526.43	1

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			
529	Mercury (ppb)	0910	1.510	0.1200	1,662	246.3	47.07	14	-6.74	529.99	0
529	Mercury (ppb)	0629	1,405	10.00	1,662	246.3	47.07	14	-1.04	529.99	0
529	Mercury (ppb)	0656	1,499	0.0000	1,662	246.3	47.07	14	-0.66	529.99	0
529	Mercury (ppb)	0042	1,581	172.0	1,662	246.3	47.07	14	-0.33	529.00	0
529	Mercury (ppb)	0033	1,625	90.00	1,662	246.3	47.07	14	-0.15	529.99	0
529	Mercury (ppb)	0186	1,671	29.00	1,662	246.3	47.07	14	0.03	529.99	0
529	Mercury (ppb)	0553	1,675	110.0	1,662	246.3	47.07	14	0.05	529.99	0
529	Mercury (ppb)	0918	1,695	10.00	1,662	246.3	47.07	14	0.13	529.99	0
529	Mercury (ppb)	0227	1,720	120.0	1,662	246.3	47.07	14	0.24	529.99	0
529	Mercury (ppb)	0407	1,749	4.538	1,662	246.3	47.07	14	0.35	529.99	0
529	Mercury (ppb)	2171	1,756	6.300	1,662	246.3	47.07	14	0.38	529.99	0
529	Mercury (ppb)	0010	1,758	77.00	1,662	246.3	47.07	14	0.39	529.99	0
529	Mercury (ppb)	0098	1,785	30.00	1,662	246.3	47.07	14	0.50	529.99	0
529	Mercury (ppb)	2207	1,900	0.0000	1,662	246.3	47.07	14	0.97	529.99	0
539	Nickel (ppm)	0047	3.890	0.0850	8.081	0.9439	0.3479	20	-4.44	539.52	0
539	Nickel (ppm)	0910	5.285	0.3500	8.081	0.9439	0.3479	20	-2.96	539.52	0
539	Nickel (ppm)	2113	5.800	1.000	8.081	0.9439	0.3479	20	-2.42	539.52	0
539	Nickel (ppm)	0511	5.995	0.1300	8.081	0.9439	0.3479	20	-2.21	539.43	0
539	Nickel (ppm)	2207	6.150	0.5000	8.081	0.9439	0.3479	20	-2.05	539.52	0
539	Nickel (ppm)	0407	6.968	0.0649	8.081	0.9439	0.3479	20	-1.18	539.41	0
539	Nickel (ppm)	0629	7.230	0.0600	8.081	0.9439	0.3479	20	-0.90	539.43	0
539	Nickel (ppm)	0010	8.000	0.0000	8.081	0.9439	0.3479	20	-0.09	539.53	0
539	Nickel (ppm)	0042	8.225	0.7900	8.081	0.9439	0.3479	20	0.15	539.42	0
539	Nickel (ppm)	0098	8.290	0.3000	8.081	0.9439	0.3479	20	0.22	539.53	0
539	Nickel (ppm)	0278	8.295	0.0500	8.081	0.9439	0.3479	20	0.23	539.43	0
539	Nickel (ppm)	0186	8.835	0.1900	8.081	0.9439	0.3479	20	0.80	539.52	0
539	Nickel (ppm)	0964	8.880	0.3200	8.081	0.9439	0.3479	20	0.85	539.43	0
539	Nickel (ppm)	2033	9.000	0.2000	8.081	0.9439	0.3479	20	0.97	539.43	0
539	Nickel (ppm)	0148	9.130	1.340	8.081	0.9439	0.3479	20	1.11	539.43	0
539	Nickel (ppm)	0870	9.288	0.1713	8.081	0.9439	0.3479	20	1.28	539.43	0
539	Nickel (ppm)	2141	9.786	1.162	8.081	0.9439	0.3479	20	1.81	539.43	0
539	Nickel (ppm)	2292	10.00	0.0000	8.081	0.9439	0.3479	20	2.03	539.99	0
539	Nickel (ppm)	0918	10.48	0.2140	8.081	0.9439	0.3479	20	2.54	539.53	0
539	Nickel (ppm)	0407	10.82	0.0302	8.081	0.9439	0.3479	20	2.91	539.53	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.