



AAFCO
Association of American Feed Control Officials



Minerals Scheme
Rabbit Feed, Residue

Labs Reporting: 30
Analytes Reported 16
Issue Date : 07/31/2023

Test Material Code # 202352

Analyte Proficiency Testing Report

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Robust* Analyte Values				AAFCO PT Z Score	Your Method	Flag
			Value	Range	Rob. Mean	Horwitz SD	Rob. R-bar	# Tests			
015	Aluminum (ppm)	0186	419.7	21.87	722.5	42.92	24.44	15	-7.06	015.52	0
015	Aluminum (ppm)	0042	486.5	1.000	722.5	42.92	24.44	15	-5.50	015.42	0
015	Aluminum (ppm)	0511	591.0	36.00	722.5	42.92	24.44	15	-3.06	015.43	0
015	Aluminum (ppm)	0870	671.1	31.59	722.5	42.92	24.44	15	-1.20	015.43	0
015	Aluminum (ppm)	0208	677.5	53.00	722.5	42.92	24.44	15	-1.05	015.41	0
015	Aluminum (ppm)	0407	684.4	15.56	722.5	42.92	24.44	15	-0.89	015.41	0
015	Aluminum (ppm)	0227	708.0	78.00	722.5	42.92	24.44	15	-0.34	015.43	0
015	Aluminum (ppm)	2292	720.0	0.0000	722.5	42.92	24.44	15	-0.06	015.99	0
015	Aluminum (ppm)	0510	771.0	14.00	722.5	42.92	24.44	15	1.13	015.43	0
015	Aluminum (ppm)	0407	789.7	34.70	722.5	42.92	24.44	15	1.57	015.53	0
015	Aluminum (ppm)	0021	803.0	4.000	722.5	42.92	24.44	15	1.88	015.43	0
015	Aluminum (ppm)	0098	809.2	20.00	722.5	42.92	24.44	15	2.02	015.43	0
015	Aluminum (ppm)	0148	812.8	49.71	722.5	42.92	24.44	15	2.10	015.43	0
015	Aluminum (ppm)	0629	815.0	2.000	722.5	42.92	24.44	15	2.15	015.43	0
015	Aluminum (ppm)	0278	951.0	0.4800	722.5	42.92	24.44	15	5.32	015.43	0
017	Boron (ppm)	0870	51.07	0.0693	59.76	5.166	1.051	7	-1.68	017.43	0
017	Boron (ppm)	0629	57.90	0.4000	59.76	5.166	1.051	7	-0.36	017.43	0
017	Boron (ppm)	0407	58.86	2.507	59.76	5.166	1.051	7	-0.17	017.53	0
017	Boron (ppm)	0510	60.50	1.000	59.76	5.166	1.051	7	0.14	017.43	0
017	Boron (ppm)	0407	60.51	0.5120	59.76	5.166	1.051	7	0.14	017.41	0
017	Boron (ppm)	0021	62.50	1.000	59.76	5.166	1.051	7	0.53	017.43	0
017	Boron (ppm)	0098	62.94	1.870	59.76	5.166	1.051	7	0.61	017.43	0
021	Cobalt (ppm)	2113	5.550	0.3000	10.87	1.214	0.3750	21	-4.38	021.52	0
021	Cobalt (ppm)	0042	5.780	0.0600	10.87	1.214	0.3750	21	-4.19	021.42	0
021	Cobalt (ppm)	0186	7.312	0.3443	10.87	1.214	0.3750	21	-2.93	021.52	0
021	Cobalt (ppm)	2404	8.160	0.2000	10.87	1.214	0.3750	21	-2.23	021.53	0
021	Cobalt (ppm)	2141	8.984	0.6190	10.87	1.214	0.3750	21	-1.55	021.43	0
021	Cobalt (ppm)	0208	9.635	0.1900	10.87	1.214	0.3750	21	-1.02	021.31	0
021	Cobalt (ppm)	0511	10.00	0.0000	10.87	1.214	0.3750	21	-0.72	021.43	0
021	Cobalt (ppm)	0407	10.87	0.0567	10.87	1.214	0.3750	21	0.00	021.41	0
021	Cobalt (ppm)	0227	11.00	0.0000	10.87	1.214	0.3750	21	0.11	021.43	0
021	Cobalt (ppm)	0629	11.15	0.1000	10.87	1.214	0.3750	21	0.23	021.43	0
021	Cobalt (ppm)	0098	11.23	0.3500	10.87	1.214	0.3750	21	0.29	021.53	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Robust* Analyte Values				AAFCO PT	Your	Flag
			Value	Range	Rob. Mean	Horwitz SD	Rob. R-bar	# Tests	Z Score	Method	
021	Cobalt (ppm)	0407	11.39	0.7643	10.87	1.214	0.3750	21	0.43	021.53	0
021	Cobalt (ppm)	0563	11.62	0.2084	10.87	1.214	0.3750	21	0.61	021.31	0
021	Cobalt (ppm)	0572	11.75	0.3000	10.87	1.214	0.3750	21	0.72	021.53	0
021	Cobalt (ppm)	0510	12.15	0.3200	10.87	1.214	0.3750	21	1.05	021.43	0
021	Cobalt (ppm)	0870	12.47	0.4563	10.87	1.214	0.3750	21	1.32	021.43	0
021	Cobalt (ppm)	0021	12.50	1.000	10.87	1.214	0.3750	21	1.34	021.43	0
021	Cobalt (ppm)	0148	12.78	0.1355	10.87	1.214	0.3750	21	1.57	021.43	0
021	Cobalt (ppm)	0278	12.91	0.2100	10.87	1.214	0.3750	21	1.67	021.43	0
021	Cobalt (ppm)	2433	13.32	1.934	10.87	1.214	0.3750	21	2.02	021.42	0
021	Cobalt (ppm)	0021	14.00	2.000	10.87	1.214	0.3750	21	2.58	021.53	0
022	Copper (ppm)	0026	66.09	3.415	136.0	10.39	3.228	25	-6.73	022.42	0
022	Copper (ppm)	0148	81.88	2.765	136.0	10.39	3.228	25	-5.21	022.43	0
022	Copper (ppm)	0529	88.50	3.600	136.0	10.39	3.228	25	-4.58	022.31	0
022	Copper (ppm)	0208	96.75	4.330	136.0	10.39	3.228	25	-3.78	022.41	0
022	Copper (ppm)	0563	99.26	4.414	136.0	10.39	3.228	25	-3.54	022.31	0
022	Copper (ppm)	0407	99.68	1.509	136.0	10.39	3.228	25	-3.50	022.41	0
022	Copper (ppm)	0227	106.5	3.000	136.0	10.39	3.228	25	-2.84	022.43	0
022	Copper (ppm)	2292	126.0	2.000	136.0	10.39	3.228	25	-0.97	022.99	0
022	Copper (ppm)	0511	137.5	1.000	136.0	10.39	3.228	25	0.14	022.43	0
022	Copper (ppm)	0407	142.8	1.476	136.0	10.39	3.228	25	0.65	022.53	0
022	Copper (ppm)	0278	144.7	8.600	136.0	10.39	3.228	25	0.83	022.42	0
022	Copper (ppm)	0186	145.4	10.70	136.0	10.39	3.228	25	0.90	022.52	0
022	Copper (ppm)	0870	150.0	0.1510	136.0	10.39	3.228	25	1.34	022.43	0
022	Copper (ppm)	0629	151.5	3.000	136.0	10.39	3.228	25	1.49	022.43	0
022	Copper (ppm)	0010	152.0	8.000	136.0	10.39	3.228	25	1.54	022.33	0
022	Copper (ppm)	0572	152.0	4.000	136.0	10.39	3.228	25	1.54	022.53	0
022	Copper (ppm)	2404	152.7	2.900	136.0	10.39	3.228	25	1.60	022.53	0
022	Copper (ppm)	2433	153.6	0.8140	136.0	10.39	3.228	25	1.69	022.42	0
022	Copper (ppm)	0021	154.5	7.000	136.0	10.39	3.228	25	1.78	022.43	0
022	Copper (ppm)	2113	155.0	10.00	136.0	10.39	3.228	25	1.83	022.52	0
022	Copper (ppm)	0098	155.0	0.6000	136.0	10.39	3.228	25	1.83	022.53	0
022	Copper (ppm)	2141	158.5	0.4570	136.0	10.39	3.228	25	2.16	022.43	0
022	Copper (ppm)	0017	159.7	2.037	136.0	10.39	3.228	25	2.28	022.43	0
022	Copper (ppm)	2404	167.3	2.480	136.0	10.39	3.228	25	3.01	022.43	0
022	Copper (ppm)	0510	170.5	1.000	136.0	10.39	3.228	25	3.32	022.43	0
022	Copper (ppm)	0208	113.2	29.70	136.0	10.39	3.228	25	-2.20	022.31	1
023	Fluorine (ppm)	2325	20.11	0.2200				2		023.01	0
023	Fluorine (ppm)	0227	47.00	0.0000				2		023.01	0
024	Iodine (ppm)	0186	71.98	1.080				2		024.52	0
024	Iodine (ppm)	2404	99.92	1.500				2		024.53	0
034	Selenium, Total (Se) (ppm)	0009	0.6892	0.0140	1.228	0.1905	0.0825	14	-2.83	034.53	0
034	Selenium, Total (Se) (ppm)	0563	0.7930	0.0054	1.228	0.1905	0.0825	14	-2.29	034.04	0

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034	Selenium, Total (Se) (ppm)	0148	0.8350	0.1040	1.228	0.1905	0.0825	14	-2.07	034.42	0
034	Selenium, Total (Se) (ppm)	0227	0.8620	0.0600	1.228	0.1905	0.0825	14	-1.92	034.53	0
034	Selenium, Total (Se) (ppm)	0407	0.9581	0.0211	1.228	0.1905	0.0825	14	-1.42	034.53	0
034	Selenium, Total (Se) (ppm)	0098	1.011	0.1330	1.228	0.1905	0.0825	14	-1.14	034.53	0
034	Selenium, Total (Se) (ppm)	0021	1.100	0.2000	1.228	0.1905	0.0825	14	-0.67	034.53	0
034	Selenium, Total (Se) (ppm)	0870	1.127	0.0004	1.228	0.1905	0.0825	14	-0.53	034.43	0
034	Selenium, Total (Se) (ppm)	0278	1.255	0.1100	1.228	0.1905	0.0825	14	0.14	034.53	0
034	Selenium, Total (Se) (ppm)	0010	1.300	0.0000	1.228	0.1905	0.0825	14	0.38	034.53	0
034	Selenium, Total (Se) (ppm)	0186	1.441	0.0912	1.228	0.1905	0.0825	14	1.11	034.52	0
034	Selenium, Total (Se) (ppm)	2141	1.878	0.0700	1.228	0.1905	0.0825	14	3.41	034.43	0
034	Selenium, Total (Se) (ppm)	2404	59.35	0.0800	1.228	0.1905	0.0825	14	>100	034.43	0
034	Selenium, Total (Se) (ppm)	2404	59.79	0.6300	1.228	0.1905	0.0825	14	>100	034.53	0
034	Selenium, Total (Se) (ppm)	2433	2.678	1.896	1.228	0.1905	0.0825	14	7.61	034.42	1
034	Selenium, Total (Se) (ppm)	0629	< 1		1.228	0.1905	0.0825	14		034.43	5
034	Selenium, Total (Se) (ppm)	0572	< 1		1.228	0.1905	0.0825	14		034.53	5
034	Selenium, Total (Se) (ppm)	0021	< 22		1.228	0.1905	0.0825	14		034.43	5
036	Sulfur (%)	2141	0.2931	0.0095	0.3436	0.0161	0.0098	11	-3.13	036.43	0
036	Sulfur (%)	0186	0.2971	0.0048	0.3436	0.0161	0.0098	11	-2.88	036.52	0
036	Sulfur (%)	0629	0.3200	0.0000	0.3436	0.0161	0.0098	11	-1.46	036.43	0
036	Sulfur (%)	0227	0.3400	0.0000	0.3436	0.0161	0.0098	11	-0.22	036.53	0
036	Sulfur (%)	0407	0.3456	0.0156	0.3436	0.0161	0.0098	11	0.12	036.42	0
036	Sulfur (%)	0278	0.3500	0.0200	0.3436	0.0161	0.0098	11	0.39	036.42	0
036	Sulfur (%)	0098	0.3535	0.0110	0.3436	0.0161	0.0098	11	0.61	036.43	0
036	Sulfur (%)	0021	0.3600	0.0000	0.3436	0.0161	0.0098	11	1.01	036.43	0
036	Sulfur (%)	0510	0.3650	0.0100	0.3436	0.0161	0.0098	11	1.32	036.43	0
036	Sulfur (%)	0870	0.3725	0.0053	0.3436	0.0161	0.0098	11	1.79	036.42	0
036	Sulfur (%)	2292	0.3815	0.0030	0.3436	0.0161	0.0098	11	2.35	036.99	0
038	Molybdenum (ppm)	0563	38.97	2.980	47.91	4.281	1.741	20	-2.09	038.34	0
038	Molybdenum (ppm)	0870	39.10	0.0939	47.91	4.281	1.741	20	-2.06	038.43	0
038	Molybdenum (ppm)	0208	41.55	1.500	47.91	4.281	1.741	20	-1.49	038.41	0
038	Molybdenum (ppm)	0278	43.20	0.4200	47.91	4.281	1.741	20	-1.10	038.42	0
038	Molybdenum (ppm)	0511	45.00	0.0000	47.91	4.281	1.741	20	-0.68	038.43	0
038	Molybdenum (ppm)	2113	45.50	5.000	47.91	4.281	1.741	20	-0.56	038.52	0
038	Molybdenum (ppm)	0629	46.40	0.8000	47.91	4.281	1.741	20	-0.35	038.43	0
038	Molybdenum (ppm)	0407	46.41	1.906	47.91	4.281	1.741	20	-0.35	038.41	0
038	Molybdenum (ppm)	0227	47.00	1.800	47.91	4.281	1.741	20	-0.21	038.53	0
038	Molybdenum (ppm)	0407	47.52	2.522	47.91	4.281	1.741	20	-0.09	038.53	0
038	Molybdenum (ppm)	0098	47.56	1.660	47.91	4.281	1.741	20	-0.08	038.53	0
038	Molybdenum (ppm)	0010	47.80	0.2000	47.91	4.281	1.741	20	-0.03	038.53	0
038	Molybdenum (ppm)	0186	48.47	2.800	47.91	4.281	1.741	20	0.13	038.52	0
038	Molybdenum (ppm)	0572	50.20	1.000	47.91	4.281	1.741	20	0.53	038.53	0
038	Molybdenum (ppm)	0042	51.25	1.100	47.91	4.281	1.741	20	0.78	038.42	0

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038	Molybdenum (ppm)	0021	51.50	3.000	47.91	4.281	1.741	20	0.84	038.43	0
038	Molybdenum (ppm)	0510	51.70	0.4000	47.91	4.281	1.741	20	0.89	038.43	0
038	Molybdenum (ppm)	0148	55.51	2.380	47.91	4.281	1.741	20	1.77	038.43	0
038	Molybdenum (ppm)	2141	56.43	1.111	47.91	4.281	1.741	20	1.99	038.43	0
038	Molybdenum (ppm)	0021	57.00	4.000	47.91	4.281	1.741	20	2.12	038.53	0
041	Vanadium (ppm)	0098	1.679	0.0540	1.904	0.2765	0.0669	7	-0.82	041.53	0
041	Vanadium (ppm)	0629	1.745	0.0900	1.904	0.2765	0.0669	7	-0.58	041.43	0
041	Vanadium (ppm)	0870	1.751	0.0205	1.904	0.2765	0.0669	7	-0.55	041.43	0
041	Vanadium (ppm)	0407	1.776	0.0572	1.904	0.2765	0.0669	7	-0.47	041.53	0
041	Vanadium (ppm)	0021	2.000	0.2000	1.904	0.2765	0.0669	7	0.35	041.53	0
041	Vanadium (ppm)	0278	2.170	0.0400	1.904	0.2765	0.0669	7	0.96	041.43	0
041	Vanadium (ppm)	0563	2.210	0.0800	1.904	0.2765	0.0669	7	1.11	041.34	0
041	Vanadium (ppm)	0511	4.500	1.000	1.904	0.2765	0.0669	7	9.39	041.43	1
041	Vanadium (ppm)	0021	< 2		1.904	0.2765	0.0669	7		041.43	5
516	Arsenic, Total (As) (ppm)	0563	1.264	0.0656	3.709	0.4871	0.1066	18	-5.02	516.00	0
516	Arsenic, Total (As) (ppm)	0656	2.600	0.0000	3.709	0.4871	0.1066	18	-2.28	516.34	0
516	Arsenic, Total (As) (ppm)	0511	3.000	0.0000	3.709	0.4871	0.1066	18	-1.46	516.43	0
516	Arsenic, Total (As) (ppm)	0629	3.050	0.0600	3.709	0.4871	0.1066	18	-1.35	516.43	0
516	Arsenic, Total (As) (ppm)	2404	3.455	0.0100	3.709	0.4871	0.1066	18	-0.52	516.43	0
516	Arsenic, Total (As) (ppm)	0870	3.484	0.0081	3.709	0.4871	0.1066	18	-0.46	516.43	0
516	Arsenic, Total (As) (ppm)	0186	3.600	0.3146	3.709	0.4871	0.1066	18	-0.23	516.52	0
516	Arsenic, Total (As) (ppm)	0148	3.610	0.1600	3.709	0.4871	0.1066	18	-0.20	516.43	0
516	Arsenic, Total (As) (ppm)	0407	3.640	0.0847	3.709	0.4871	0.1066	18	-0.14	516.53	0
516	Arsenic, Total (As) (ppm)	0227	3.710	0.1000	3.709	0.4871	0.1066	18	0.00	516.53	0
516	Arsenic, Total (As) (ppm)	0043	3.797	0.0470	3.709	0.4871	0.1066	18	0.18	516.53	0
516	Arsenic, Total (As) (ppm)	0010	4.020	0.0200	3.709	0.4871	0.1066	18	0.64	516.53	0
516	Arsenic, Total (As) (ppm)	0098	4.022	0.0830	3.709	0.4871	0.1066	18	0.64	516.53	0
516	Arsenic, Total (As) (ppm)	0860	4.030	0.0000	3.709	0.4871	0.1066	18	0.66	516.43	0
516	Arsenic, Total (As) (ppm)	0278	4.165	0.1100	3.709	0.4871	0.1066	18	0.94	516.53	0
516	Arsenic, Total (As) (ppm)	0021	4.350	0.3000	3.709	0.4871	0.1066	18	1.32	516.53	0
516	Arsenic, Total (As) (ppm)	2113	4.850	0.1000	3.709	0.4871	0.1066	18	2.34	516.52	0
516	Arsenic, Total (As) (ppm)	0042	6.460	0.3800	3.709	0.4871	0.1066	18	5.65	516.42	0
516	Arsenic, Total (As) (ppm)	0572	3.750	0.5400	3.709	0.4871	0.1066	18	0.08	516.53	1
516	Arsenic, Total (As) (ppm)	0021	< 5		3.709	0.4871	0.1066	18		516.43	5
516	Arsenic, Total (As) (ppm)	2141	< 5		3.709	0.4871	0.1066	18		516.43	5
518	Cadmium (ppm)	2325	0.1400	0.0400	0.6986	0.1179	0.0247	19	-4.74	518.31	0
518	Cadmium (ppm)	0407	0.3421	0.0057	0.6986	0.1179	0.0247	19	-3.02	518.41	0
518	Cadmium (ppm)	0563	0.4197	0.0045	0.6986	0.1179	0.0247	19	-2.36	518.34	0
518	Cadmium (ppm)	0656	0.5093	0.0000	0.6986	0.1179	0.0247	19	-1.60	518.34	0
518	Cadmium (ppm)	2404	0.6200	0.0000	0.6986	0.1179	0.0247	19	-0.67	518.43	0
518	Cadmium (ppm)	0629	0.6300	0.0000	0.6986	0.1179	0.0247	19	-0.58	518.43	0
518	Cadmium (ppm)	0407	0.6775	0.0126	0.6986	0.1179	0.0247	19	-0.18	518.53	0

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518	Cadmium (ppm)	0042	0.7120	0.0280	0.6986	0.1179	0.0247	19	0.11	518.42	0
518	Cadmium (ppm)	0186	0.7187	0.0452	0.6986	0.1179	0.0247	19	0.17	518.52	0
518	Cadmium (ppm)	0010	0.7500	0.1000	0.6986	0.1179	0.0247	19	0.44	518.53	0
518	Cadmium (ppm)	0227	0.7530	0.0120	0.6986	0.1179	0.0247	19	0.46	518.53	0
518	Cadmium (ppm)	0043	0.7555	0.0070	0.6986	0.1179	0.0247	19	0.48	518.53	0
518	Cadmium (ppm)	2276	0.7863	0.0000	0.6986	0.1179	0.0247	19	0.74	518.53	0
518	Cadmium (ppm)	0148	0.8045	0.1370	0.6986	0.1179	0.0247	19	0.90	518.43	0
518	Cadmium (ppm)	2113	0.8100	0.0000	0.6986	0.1179	0.0247	19	0.94	518.52	0
518	Cadmium (ppm)	0098	0.8135	0.0090	0.6986	0.1179	0.0247	19	0.97	518.53	0
518	Cadmium (ppm)	0278	0.8200	0.0200	0.6986	0.1179	0.0247	19	1.03	518.43	0
518	Cadmium (ppm)	0021	0.8350	0.0300	0.6986	0.1179	0.0247	19	1.16	518.53	0
518	Cadmium (ppm)	0572	0.8365	0.0210	0.6986	0.1179	0.0247	19	1.17	518.53	0
518	Cadmium (ppm)	2433	1.095	0.8220	0.6986	0.1179	0.0247	19	3.36	518.42	1
518	Cadmium (ppm)	0021	< 2		0.6986	0.1179	0.0247	19		518.43	5
518	Cadmium (ppm)	2141	< 5		0.6986	0.1179	0.0247	19		518.43	5
520	Chromium, Total (Cr) (ppm)	2404	0.9790	0.0020	54.82	4.800	1.710	22	-11.22	520.53	0
520	Chromium, Total (Cr) (ppm)	2404	1.165	0.0700	54.82	4.800	1.710	22	-11.18	520.43	0
520	Chromium, Total (Cr) (ppm)	2325	24.11	0.0200	54.82	4.800	1.710	22	-6.40	520.41	0
520	Chromium, Total (Cr) (ppm)	0010	29.40	1.200	54.82	4.800	1.710	22	-5.30	520.53	0
520	Chromium, Total (Cr) (ppm)	0407	41.60	3.612	54.82	4.800	1.710	22	-2.75	520.41	0
520	Chromium, Total (Cr) (ppm)	0042	42.10	0.4000	54.82	4.800	1.710	22	-2.65	520.42	0
520	Chromium, Total (Cr) (ppm)	0563	44.31	1.674	54.82	4.800	1.710	22	-2.19	520.31	0
520	Chromium, Total (Cr) (ppm)	2113	50.50	3.000	54.82	4.800	1.710	22	-0.90	520.52	0
520	Chromium, Total (Cr) (ppm)	2141	55.47	2.330	54.82	4.800	1.710	22	0.14	520.43	0
520	Chromium, Total (Cr) (ppm)	0511	58.50	1.000	54.82	4.800	1.710	22	0.77	520.43	0
520	Chromium, Total (Cr) (ppm)	0870	61.71	2.300	54.82	4.800	1.710	22	1.44	520.43	0
520	Chromium, Total (Cr) (ppm)	0186	62.20	3.745	54.82	4.800	1.710	22	1.54	520.52	0
520	Chromium, Total (Cr) (ppm)	0098	62.50	0.6000	54.82	4.800	1.710	22	1.60	520.53	0
520	Chromium, Total (Cr) (ppm)	0208	62.65	6.300	54.82	4.800	1.710	22	1.63	520.41	0
520	Chromium, Total (Cr) (ppm)	0227	63.70	3.800	54.82	4.800	1.710	22	1.85	520.53	0
520	Chromium, Total (Cr) (ppm)	0407	64.30	1.462	54.82	4.800	1.710	22	1.97	520.53	0
520	Chromium, Total (Cr) (ppm)	0629	66.95	0.1000	54.82	4.800	1.710	22	2.53	520.43	0
520	Chromium, Total (Cr) (ppm)	0510	68.06	1.470	54.82	4.800	1.710	22	2.76	520.43	0
520	Chromium, Total (Cr) (ppm)	0148	69.30	0.6500	54.82	4.800	1.710	22	3.02	520.43	0
520	Chromium, Total (Cr) (ppm)	0860	69.66	0.0000	54.82	4.800	1.710	22	3.09	520.43	0
520	Chromium, Total (Cr) (ppm)	0021	71.00	4.000	54.82	4.800	1.710	22	3.37	520.43	0
520	Chromium, Total (Cr) (ppm)	0278	78.53	0.2400	54.82	4.800	1.710	22	4.94	520.43	0
526	Lead (ppm)	2325	0.2950	0.0500	60.30	5.205	1.171	24	-11.53	526.31	0
526	Lead (ppm)	0407	20.55	0.8555	60.30	5.205	1.171	24	-7.64	526.41	0
526	Lead (ppm)	0563	23.51	1.608	60.30	5.205	1.171	24	-7.07	526.31	0
526	Lead (ppm)	2404	50.68	0.3500	60.30	5.205	1.171	24	-1.85	526.43	0
526	Lead (ppm)	0511	51.00	4.000	60.30	5.205	1.171	24	-1.79	526.43	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Robust* Analyte Values				AAFCO PT	Your	Flag
			Value	Range	Rob. Mean	Horwitz SD	Rob. R-bar	# Tests	Z Score	Method	
526	Lead (ppm)	0629	57.25	0.5000	60.30	5.205	1.171	24	-0.59	526.43	0
526	Lead (ppm)	0407	57.47	2.709	60.30	5.205	1.171	24	-0.54	526.53	0
526	Lead (ppm)	2113	59.50	1.000	60.30	5.205	1.171	24	-0.15	526.52	0
526	Lead (ppm)	0148	60.18	1.262	60.30	5.205	1.171	24	-0.02	526.43	0
526	Lead (ppm)	0010	60.35	0.3000	60.30	5.205	1.171	24	0.01	526.53	0
526	Lead (ppm)	0186	60.65	5.155	60.30	5.205	1.171	24	0.07	526.52	0
526	Lead (ppm)	0227	60.85	0.3000	60.30	5.205	1.171	24	0.11	526.53	0
526	Lead (ppm)	2276	61.73	0.1800	60.30	5.205	1.171	24	0.27	526.53	0
526	Lead (ppm)	2433	62.17	14.78	60.30	5.205	1.171	24	0.36	526.42	0
526	Lead (ppm)	0021	62.50	1.000	60.30	5.205	1.171	24	0.42	526.43	0
526	Lead (ppm)	0870	64.07	0.8428	60.30	5.205	1.171	24	0.72	526.43	0
526	Lead (ppm)	0021	65.00	4.000	60.30	5.205	1.171	24	0.90	526.53	0
526	Lead (ppm)	0572	65.05	1.700	60.30	5.205	1.171	24	0.91	526.53	0
526	Lead (ppm)	0042	65.15	1.300	60.30	5.205	1.171	24	0.93	526.42	0
526	Lead (ppm)	0043	65.30	0.3030	60.30	5.205	1.171	24	0.96	526.53	0
526	Lead (ppm)	0860	65.49	0.0000	60.30	5.205	1.171	24	1.00	526.43	0
526	Lead (ppm)	0098	65.90	0.2000	60.30	5.205	1.171	24	1.08	526.53	0
526	Lead (ppm)	2141	66.88	0.2680	60.30	5.205	1.171	24	1.26	526.43	0
526	Lead (ppm)	0278	69.09	0.5800	60.30	5.205	1.171	24	1.69	526.43	0
526	Lead (ppm)	0656	52.15	30.00	60.30	5.205	1.171	24	-1.57	526.34	1
529	Mercury (ppb)	0227	0.1815	0.0010	121.1	26.61	5.423	9	-4.54	529.99	0
529	Mercury (ppb)	0043	0.1825	0.0030	121.1	26.61	5.423	9	-4.54	529.99	0
529	Mercury (ppb)	2325	9.110	0.0400	121.1	26.61	5.423	9	-4.21	529.99	0
529	Mercury (ppb)	0629	140.0	0.0000	121.1	26.61	5.423	9	0.71	529.99	0
529	Mercury (ppb)	0563	154.9	8.100	121.1	26.61	5.423	9	1.27	529.99	0
529	Mercury (ppb)	0186	162.6	17.50	121.1	26.61	5.423	9	1.56	529.99	0
529	Mercury (ppb)	0407	184.7	1.838	121.1	26.61	5.423	9	2.39	529.99	0
529	Mercury (ppb)	0010	201.5	7.000	121.1	26.61	5.423	9	3.02	529.99	0
529	Mercury (ppb)	0098	236.5	11.00	121.1	26.61	5.423	9	4.34	529.99	0
529	Mercury (ppb)	0208	227.0	68.00	121.1	26.61	5.423	9	3.98	529.99	1
529	Mercury (ppb)	0656	< 1.0967		121.1	26.61	5.423	9		529.99	5
539	Nickel (ppm)	0010	17.50	1.000	56.07	4.893	2.387	18	-7.88	539.53	0
539	Nickel (ppm)	0511	47.50	3.000	56.07	4.893	2.387	18	-1.75	539.43	0
539	Nickel (ppm)	0042	48.70	1.000	56.07	4.893	2.387	18	-1.51	539.42	0
539	Nickel (ppm)	0870	49.66	1.076	56.07	4.893	2.387	18	-1.31	539.43	0
539	Nickel (ppm)	0208	49.70	6.600	56.07	4.893	2.387	18	-1.30	539.41	0
539	Nickel (ppm)	0407	49.73	0.4002	56.07	4.893	2.387	18	-1.30	539.41	0
539	Nickel (ppm)	2292	51.00	2.000	56.07	4.893	2.387	18	-1.04	539.99	0
539	Nickel (ppm)	0407	54.35	1.738	56.07	4.893	2.387	18	-0.35	539.53	0
539	Nickel (ppm)	0186	56.51	5.248	56.07	4.893	2.387	18	0.09	539.52	0
539	Nickel (ppm)	0629	56.70	0.2000	56.07	4.893	2.387	18	0.13	539.43	0
539	Nickel (ppm)	2113	57.50	5.000	56.07	4.893	2.387	18	0.29	539.52	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Robust* Analyte Values				AAFCO PT	Your	Flag
			Value	Range	Rob. Mean	Horwitz SD	Rob. R-bar	# Tests	Z Score	Method	
539	Nickel (ppm)	0098	58.45	0.7000	56.07	4.893	2.387	18	0.49	539.53	0
539	Nickel (ppm)	0021	61.50	1.000	56.07	4.893	2.387	18	1.11	539.43	0
539	Nickel (ppm)	2433	62.77	8.067	56.07	4.893	2.387	18	1.37	539.42	0
539	Nickel (ppm)	0148	62.88	0.3500	56.07	4.893	2.387	18	1.39	539.43	0
539	Nickel (ppm)	0278	64.72	0.1000	56.07	4.893	2.387	18	1.77	539.43	0
539	Nickel (ppm)	0021	65.50	7.000	56.07	4.893	2.387	18	1.93	539.53	0
539	Nickel (ppm)	2141	69.91	0.9130	56.07	4.893	2.387	18	2.83	539.43	0

Note 1: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or between -2 and -3 (warning) and Green = Z <= 2 and >= -2 (OK at 95%). Horwitz SD's assigned based on Rob Mean only.

Note 2: Data Not Used Flags: 1=Rejected for duplicates too far apart, 2=Rejected as extreme outlier, 5=Reporting limit (<), 4=Zeros submitted as values and 3=Statistical problem. Flag 0 indicates data used in calculations.

Note 3: *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). A zero range is not included in robust R-bar calculation.