



AAFCO
Association of American Feed Control Officials



Minerals Scheme

Pig Feed

Test Material Code # 202254

Analyte Proficiency Testing Report

Labs Reporting: 27

Analytes Reported 16

Issue Date : 01/31/2023

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)	0870	111.1	9.700	164.2	12.19	4.996	16	-4.36	015.43	0
015	Aluminum (ppm)	0510	139.5	3.000	164.2	12.19	4.996	16	-2.03	015.43	0
015	Aluminum (ppm)	0511	140.0	6.000	164.2	12.19	4.996	16	-1.99	015.43	0
015	Aluminum (ppm)	0407	156.3	3.869	164.2	12.19	4.996	16	-0.65	015.41	0
015	Aluminum (ppm)	0407	159.1	1.385	164.2	12.19	4.996	16	-0.42	015.53	0
015	Aluminum (ppm)	0629	160.0	4.000	164.2	12.19	4.996	16	-0.35	015.43	0
015	Aluminum (ppm)	0227	162.0	4.000	164.2	12.19	4.996	16	-0.18	015.41	0
015	Aluminum (ppm)	0964	165.0	0.0000	164.2	12.19	4.996	16	0.06	015.43	0
015	Aluminum (ppm)	0098	167.9	9.300	164.2	12.19	4.996	16	0.30	015.43	0
015	Aluminum (ppm)	0553	169.5	11.00	164.2	12.19	4.996	16	0.43	015.53	0
015	Aluminum (ppm)	2033	173.0	4.500	164.2	12.19	4.996	16	0.71	015.43	0
015	Aluminum (ppm)	0148	173.1	6.857	164.2	12.19	4.996	16	0.73	015.43	0
015	Aluminum (ppm)	0042	175.5	5.000	164.2	12.19	4.996	16	0.92	015.42	0
015	Aluminum (ppm)	0278	177.7	2.820	164.2	12.19	4.996	16	1.10	015.43	0
015	Aluminum (ppm)	0876	180.8	6.500	164.2	12.19	4.996	16	1.35	015.43	0
015	Aluminum (ppm)	2292	263.0	2.000	164.2	12.19	4.996	16	8.10	015.99	0
015	Aluminum (ppm)	0918	159.7	27.98	164.2	12.19	4.996	16	-0.37	015.53	1
017	Boron (ppm)	0870	122.5	11.73	153.3	11.50	6.505	9	-2.68	017.43	0
017	Boron (ppm)	0629	141.0	0.0000	153.3	11.50	6.505	9	-1.07	017.43	0
017	Boron (ppm)	0510	149.0	4.000	153.3	11.50	6.505	9	-0.38	017.43	0
017	Boron (ppm)	0876	154.2	8.650	153.3	11.50	6.505	9	0.07	017.43	0
017	Boron (ppm)	0098	156.9	13.80	153.3	11.50	6.505	9	0.31	017.43	0
017	Boron (ppm)	0407	157.2	0.2342	153.3	11.50	6.505	9	0.33	017.53	0
017	Boron (ppm)	0407	157.5	4.030	153.3	11.50	6.505	9	0.36	017.41	0
017	Boron (ppm)	2033	158.0	2.100	153.3	11.50	6.505	9	0.40	017.43	0
017	Boron (ppm)	0553	170.0	14.00	153.3	11.50	6.505	9	1.45	017.53	0
021	Cobalt (ppm)	2113	0.9200	0.0600	1.348	0.2062	0.0559	16	-2.08	021.52	0
021	Cobalt (ppm)	0511	1.000	0.0000	1.348	0.2062	0.0559	16	-1.69	021.43	0
021	Cobalt (ppm)	0870	1.059	0.0016	1.348	0.2062	0.0559	16	-1.40	021.43	0
021	Cobalt (ppm)	2404	1.270	0.0800	1.348	0.2062	0.0559	16	-0.38	021.53	0
021	Cobalt (ppm)	0148	1.295	0.2100	1.348	0.2062	0.0559	16	-0.26	021.43	0
021	Cobalt (ppm)	0227	1.300	0.0000	1.348	0.2062	0.0559	16	-0.23	021.41	0
021	Cobalt (ppm)	0629	1.320	0.0400	1.348	0.2062	0.0559	16	-0.14	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)	0572	1.320	0.0800	1.348	0.2062	0.0559	16	-0.14	021.53	0
021	Cobalt (ppm)	0098	1.360	0.1470	1.348	0.2062	0.0559	16	0.06	021.53	0
021	Cobalt (ppm)	0918	1.375	0.0110	1.348	0.2062	0.0559	16	0.13	021.53	0
021	Cobalt (ppm)	0407	1.401	0.1050	1.348	0.2062	0.0559	16	0.26	021.53	0
021	Cobalt (ppm)	0553	1.485	0.0500	1.348	0.2062	0.0559	16	0.66	021.53	0
021	Cobalt (ppm)	0510	1.515	0.0500	1.348	0.2062	0.0559	16	0.81	021.43	0
021	Cobalt (ppm)	0407	1.581	0.0390	1.348	0.2062	0.0559	16	1.13	021.41	0
021	Cobalt (ppm)	0278	1.590	0.0200	1.348	0.2062	0.0559	16	1.17	021.43	0
021	Cobalt (ppm)	2033	1.830	0.0000	1.348	0.2062	0.0559	16	2.34	021.43	0
021	Cobalt (ppm)	0964	1.365	0.4700	1.348	0.2062	0.0559	16	0.08	021.43	1
021	Cobalt (ppm)	0563	< 5		1.348	0.2062	0.0559	16		021.31	5
022	Copper (ppm)	0202	450.5	1.000	495.9	31.17	12.57	24	-1.46	022.43	0
022	Copper (ppm)	0148	452.7	12.85	495.9	31.17	12.57	24	-1.39	022.43	0
022	Copper (ppm)	0511	455.5	25.00	495.9	31.17	12.57	24	-1.30	022.43	0
022	Copper (ppm)	0407	467.1	5.428	495.9	31.17	12.57	24	-0.92	022.41	0
022	Copper (ppm)	0572	469.0	56.00	495.9	31.17	12.57	24	-0.86	022.53	0
022	Copper (ppm)	0870	472.1	2.950	495.9	31.17	12.57	24	-0.76	022.43	0
022	Copper (ppm)	0042	473.0	12.00	495.9	31.17	12.57	24	-0.73	022.42	0
022	Copper (ppm)	2292	475.0	8.000	495.9	31.17	12.57	24	-0.67	022.99	0
022	Copper (ppm)	0407	480.6	17.84	495.9	31.17	12.57	24	-0.49	022.53	0
022	Copper (ppm)	0629	492.0	0.0000	495.9	31.17	12.57	24	-0.12	022.43	0
022	Copper (ppm)	0227	493.5	25.00	495.9	31.17	12.57	24	-0.08	022.41	0
022	Copper (ppm)	0529	494.3	0.1000	495.9	31.17	12.57	24	-0.05	022.31	0
022	Copper (ppm)	0964	498.5	11.00	495.9	31.17	12.57	24	0.08	022.43	0
022	Copper (ppm)	0563	499.4	3.040	495.9	31.17	12.57	24	0.11	022.31	0
022	Copper (ppm)	0553	504.5	7.000	495.9	31.17	12.57	24	0.28	022.53	0
022	Copper (ppm)	0010	506.5	25.00	495.9	31.17	12.57	24	0.34	022.33	0
022	Copper (ppm)	2404	506.9	2.330	495.9	31.17	12.57	24	0.35	022.43	0
022	Copper (ppm)	0017	510.4	17.44	495.9	31.17	12.57	24	0.47	022.43	0
022	Copper (ppm)	2404	511.5	1.310	495.9	31.17	12.57	24	0.50	022.53	0
022	Copper (ppm)	0098	526.5	13.40	495.9	31.17	12.57	24	0.98	022.53	0
022	Copper (ppm)	0876	530.0	23.00	495.9	31.17	12.57	24	1.09	022.43	0
022	Copper (ppm)	0510	543.0	12.00	495.9	31.17	12.57	24	1.51	022.43	0
022	Copper (ppm)	2033	565.4	15.90	495.9	31.17	12.57	24	2.23	022.43	0
022	Copper (ppm)	0278	595.8	4.100	495.9	31.17	12.57	24	3.20	022.42	0
022	Copper (ppm)	2113	435.0	90.00	495.9	31.17	12.57	24	-1.95	022.52	1
023	Fluorine (ppm)	0227	29.50	1.000				2		023.01	0
023	Fluorine (ppm)	2033	29.80	2.800				2		023.01	0
034	Selenium, Total (Se) (ppm)	0148	2.375	0.2100	3.593	0.4742	0.1734	18	-2.57	034.42	0
034	Selenium, Total (Se) (ppm)	0511	2.625	0.2100	3.593	0.4742	0.1734	18	-2.04	034.43	0
034	Selenium, Total (Se) (ppm)	0009	2.911	0.1216	3.593	0.4742	0.1734	18	-1.44	034.53	0
034	Selenium, Total (Se) (ppm)	0629	3.025	0.0100	3.593	0.4742	0.1734	18	-1.20	034.43	0

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034	Selenium, Total (Se) (ppm)	0870	3.068	0.5233	3.593	0.4742	0.1734	18	-1.11	034.43	0
034	Selenium, Total (Se) (ppm)	0553	3.285	0.1300	3.593	0.4742	0.1734	18	-0.65	034.53	0
034	Selenium, Total (Se) (ppm)	2033	3.475	0.1100	3.593	0.4742	0.1734	18	-0.25	034.53	0
034	Selenium, Total (Se) (ppm)	0964	3.495	0.0700	3.593	0.4742	0.1734	18	-0.21	034.43	0
034	Selenium, Total (Se) (ppm)	2404	3.495	0.0900	3.593	0.4742	0.1734	18	-0.21	034.53	0
034	Selenium, Total (Se) (ppm)	2404	3.595	0.0700	3.593	0.4742	0.1734	18	0.00	034.43	0
034	Selenium, Total (Se) (ppm)	0278	3.625	0.0500	3.593	0.4742	0.1734	18	0.07	034.53	0
034	Selenium, Total (Se) (ppm)	0572	3.665	0.4500	3.593	0.4742	0.1734	18	0.15	034.53	0
034	Selenium, Total (Se) (ppm)	0227	3.720	0.0000	3.593	0.4742	0.1734	18	0.27	034.43	0
034	Selenium, Total (Se) (ppm)	0098	3.867	0.0140	3.593	0.4742	0.1734	18	0.58	034.53	0
034	Selenium, Total (Se) (ppm)	0918	4.316	0.0270	3.593	0.4742	0.1734	18	1.52	034.53	0
034	Selenium, Total (Se) (ppm)	0407	4.593	0.3249	3.593	0.4742	0.1734	18	2.11	034.53	0
034	Selenium, Total (Se) (ppm)	0010	4.900	0.6000	3.593	0.4742	0.1734	18	2.76	034.53	0
034	Selenium, Total (Se) (ppm)	0563	5.175	0.1100	3.593	0.4742	0.1734	18	3.34	034.04	0
036	Sulfur (%)	0407	0.3139	0.0045	0.3540	0.0166	0.0106	14	-2.42	036.42	0
036	Sulfur (%)	0629	0.3200	0.0000	0.3540	0.0166	0.0106	14	-2.05	036.43	0
036	Sulfur (%)	0553	0.3275	0.0170	0.3540	0.0166	0.0106	14	-1.60	036.53	0
036	Sulfur (%)	0042	0.3380	0.0020	0.3540	0.0166	0.0106	14	-0.96	036.42	0
036	Sulfur (%)	0964	0.3389	0.0149	0.3540	0.0166	0.0106	14	-0.91	036.43	0
036	Sulfur (%)	0202	0.3450	0.0100	0.3540	0.0166	0.0106	14	-0.54	036.43	0
036	Sulfur (%)	0227	0.3500	0.0000	0.3540	0.0166	0.0106	14	-0.24	036.42	0
036	Sulfur (%)	0870	0.3608	0.0102	0.3540	0.0166	0.0106	14	0.41	036.42	0
036	Sulfur (%)	0098	0.3615	0.0210	0.3540	0.0166	0.0106	14	0.46	036.43	0
036	Sulfur (%)	2033	0.3650	0.0100	0.3540	0.0166	0.0106	14	0.67	036.43	0
036	Sulfur (%)	0876	0.3695	0.0080	0.3540	0.0166	0.0106	14	0.94	036.43	0
036	Sulfur (%)	0510	0.3700	0.0000	0.3540	0.0166	0.0106	14	0.97	036.43	0
036	Sulfur (%)	2292	0.4295	0.0110	0.3540	0.0166	0.0106	14	4.56	036.99	0
036	Sulfur (%)	0278	0.4900	0.0400	0.3540	0.0166	0.0106	14	8.22	036.42	0
038	Molybdenum (ppm)	0563	110.4	8.510	141.7	10.75	4.765	20	-2.91	038.34	0
038	Molybdenum (ppm)	0870	126.0	13.97	141.7	10.75	4.765	20	-1.46	038.43	0
038	Molybdenum (ppm)	0511	131.0	6.000	141.7	10.75	4.765	20	-0.99	038.43	0
038	Molybdenum (ppm)	0227	132.3	4.350	141.7	10.75	4.765	20	-0.88	038.53	0
038	Molybdenum (ppm)	0572	133.0	2.000	141.7	10.75	4.765	20	-0.81	038.53	0
038	Molybdenum (ppm)	0010	133.2	1.100	141.7	10.75	4.765	20	-0.79	038.53	0
038	Molybdenum (ppm)	0510	137.7	2.200	141.7	10.75	4.765	20	-0.37	038.43	0
038	Molybdenum (ppm)	0629	139.0	2.000	141.7	10.75	4.765	20	-0.25	038.43	0
038	Molybdenum (ppm)	0407	139.0	5.782	141.7	10.75	4.765	20	-0.25	038.53	0
038	Molybdenum (ppm)	2113	140.0	0.0000	141.7	10.75	4.765	20	-0.16	038.52	0
038	Molybdenum (ppm)	0407	141.4	0.3075	141.7	10.75	4.765	20	-0.03	038.41	0
038	Molybdenum (ppm)	0964	141.5	9.000	141.7	10.75	4.765	20	-0.02	038.43	0
038	Molybdenum (ppm)	0553	142.5	1.000	141.7	10.75	4.765	20	0.08	038.53	0
038	Molybdenum (ppm)	0098	143.5	4.100	141.7	10.75	4.765	20	0.16	038.53	0

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038	Molybdenum (ppm)	0042	149.0	2.000	141.7	10.75	4.765	20	0.68	038.42	0
038	Molybdenum (ppm)	2033	151.9	6.800	141.7	10.75	4.765	20	0.94	038.43	0
038	Molybdenum (ppm)	0876	152.5	7.000	141.7	10.75	4.765	20	1.01	038.43	0
038	Molybdenum (ppm)	0148	158.1	1.075	141.7	10.75	4.765	20	1.52	038.43	0
038	Molybdenum (ppm)	0278	159.0	3.180	141.7	10.75	4.765	20	1.61	038.42	0
038	Molybdenum (ppm)	0918	171.3	14.93	141.7	10.75	4.765	20	2.75	038.53	0
041	Vanadium (ppm)	2033	0.9500	0.1000	1.747	0.2570	0.0704	8	-3.10	041.43	0
041	Vanadium (ppm)	0629	1.370	0.0000	1.747	0.2570	0.0704	8	-1.47	041.43	0
041	Vanadium (ppm)	0553	1.755	0.0100	1.747	0.2570	0.0704	8	0.03	041.53	0
041	Vanadium (ppm)	0098	1.766	0.0520	1.747	0.2570	0.0704	8	0.07	041.53	0
041	Vanadium (ppm)	0563	1.785	0.3100	1.747	0.2570	0.0704	8	0.15	041.34	0
041	Vanadium (ppm)	0407	1.862	0.0613	1.747	0.2570	0.0704	8	0.45	041.53	0
041	Vanadium (ppm)	0278	1.945	0.0100	1.747	0.2570	0.0704	8	0.77	041.43	0
041	Vanadium (ppm)	0870	2.397	0.0198	1.747	0.2570	0.0704	8	2.53	041.43	0
041	Vanadium (ppm)	0511	10.00	2.000	1.747	0.2570	0.0704	8	32.12	041.43	1
516	Arsenic, Total (As) (ppm)	0148	20.67	0.1916	25.76	2.528	0.7320	20	-2.01	516.43	0
516	Arsenic, Total (As) (ppm)	0511	21.00	2.000	25.76	2.528	0.7320	20	-1.89	516.43	0
516	Arsenic, Total (As) (ppm)	0629	22.45	0.1000	25.76	2.528	0.7320	20	-1.31	516.43	0
516	Arsenic, Total (As) (ppm)	0553	23.85	0.3000	25.76	2.528	0.7320	20	-0.76	516.53	0
516	Arsenic, Total (As) (ppm)	2171	24.20	0.0000	25.76	2.528	0.7320	20	-0.62	516.53	0
516	Arsenic, Total (As) (ppm)	2404	24.44	0.2600	25.76	2.528	0.7320	20	-0.52	516.43	0
516	Arsenic, Total (As) (ppm)	0870	24.49	0.6280	25.76	2.528	0.7320	20	-0.50	516.43	0
516	Arsenic, Total (As) (ppm)	0964	25.55	2.500	25.76	2.528	0.7320	20	-0.08	516.43	0
516	Arsenic, Total (As) (ppm)	0572	26.00	0.2000	25.76	2.528	0.7320	20	0.09	516.53	0
516	Arsenic, Total (As) (ppm)	0043	26.07	1.029	25.76	2.528	0.7320	20	0.12	516.53	0
516	Arsenic, Total (As) (ppm)	0098	26.29	0.4200	25.76	2.528	0.7320	20	0.21	516.53	0
516	Arsenic, Total (As) (ppm)	0042	26.35	0.7000	25.76	2.528	0.7320	20	0.23	516.42	0
516	Arsenic, Total (As) (ppm)	0010	26.35	0.7000	25.76	2.528	0.7320	20	0.23	516.53	0
516	Arsenic, Total (As) (ppm)	0227	26.50	0.7400	25.76	2.528	0.7320	20	0.29	516.53	0
516	Arsenic, Total (As) (ppm)	2033	26.85	0.0500	25.76	2.528	0.7320	20	0.43	516.53	0
516	Arsenic, Total (As) (ppm)	0278	27.41	0.4700	25.76	2.528	0.7320	20	0.65	516.53	0
516	Arsenic, Total (As) (ppm)	2113	28.00	0.0000	25.76	2.528	0.7320	20	0.88	516.52	0
516	Arsenic, Total (As) (ppm)	0918	28.08	2.646	25.76	2.528	0.7320	20	0.91	516.53	0
516	Arsenic, Total (As) (ppm)	0407	28.68	0.4452	25.76	2.528	0.7320	20	1.15	516.53	0
516	Arsenic, Total (As) (ppm)	2404	31.78	1.260	25.76	2.528	0.7320	20	2.38	516.53	0
518	Cadmium (ppm)	2404	0.3200	0.0000	0.4604	0.0828	0.0175	19	-1.70	518.43	0
518	Cadmium (ppm)	0407	0.3257	0.0040	0.4604	0.0828	0.0175	19	-1.63	518.41	0
518	Cadmium (ppm)	0629	0.3550	0.0100	0.4604	0.0828	0.0175	19	-1.27	518.43	0
518	Cadmium (ppm)	0964	0.3590	0.0480	0.4604	0.0828	0.0175	19	-1.22	518.43	0
518	Cadmium (ppm)	0563	0.3700	0.0200	0.4604	0.0828	0.0175	19	-1.09	518.31	0
518	Cadmium (ppm)	0043	0.3756	0.0178	0.4604	0.0828	0.0175	19	-1.02	518.53	0
518	Cadmium (ppm)	2033	0.3950	0.0100	0.4604	0.0828	0.0175	19	-0.79	518.53	0

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518	Cadmium (ppm)	0227	0.4015	0.0130	0.4604	0.0828	0.0175	19	-0.71	518.53	0
518	Cadmium (ppm)	2404	0.4150	0.0120	0.4604	0.0828	0.0175	19	-0.55	518.53	0
518	Cadmium (ppm)	0148	0.4210	0.0220	0.4604	0.0828	0.0175	19	-0.48	518.43	0
518	Cadmium (ppm)	0407	0.4219	0.0215	0.4604	0.0828	0.0175	19	-0.47	518.53	0
518	Cadmium (ppm)	0553	0.4360	0.0000	0.4604	0.0828	0.0175	19	-0.29	518.53	0
518	Cadmium (ppm)	0098	0.4390	0.0300	0.4604	0.0828	0.0175	19	-0.26	518.53	0
518	Cadmium (ppm)	0278	0.4550	0.0100	0.4604	0.0828	0.0175	19	-0.06	518.43	0
518	Cadmium (ppm)	2113	0.5700	0.0000	0.4604	0.0828	0.0175	19	1.32	518.52	0
518	Cadmium (ppm)	0870	0.6705	0.0019	0.4604	0.0828	0.0175	19	2.54	518.43	0
518	Cadmium (ppm)	0572	0.6755	0.0490	0.4604	0.0828	0.0175	19	2.60	518.53	0
518	Cadmium (ppm)	2171	0.7800	0.0000	0.4604	0.0828	0.0175	19	3.86	518.53	0
518	Cadmium (ppm)	0918	1.025	0.0630	0.4604	0.0828	0.0175	19	6.82	518.53	0
518	Cadmium (ppm)	0010	0.4500	0.1000	0.4604	0.0828	0.0175	19	-0.13	518.53	1
520	Chromium, Total (Cr) (ppm)	0870	146.7	9.856	192.8	13.97	5.902	19	-3.30	520.43	0
520	Chromium, Total (Cr) (ppm)	0407	152.5	4.709	192.8	13.97	5.902	19	-2.88	520.41	0
520	Chromium, Total (Cr) (ppm)	2113	175.0	10.00	192.8	13.97	5.902	19	-1.27	520.52	0
520	Chromium, Total (Cr) (ppm)	2404	176.1	1.440	192.8	13.97	5.902	19	-1.20	520.43	0
520	Chromium, Total (Cr) (ppm)	0042	179.0	8.000	192.8	13.97	5.902	19	-0.99	520.42	0
520	Chromium, Total (Cr) (ppm)	0511	180.0	14.00	192.8	13.97	5.902	19	-0.91	520.43	0
520	Chromium, Total (Cr) (ppm)	0227	187.4	0.9500	192.8	13.97	5.902	19	-0.39	520.53	0
520	Chromium, Total (Cr) (ppm)	0563	188.1	3.867	192.8	13.97	5.902	19	-0.33	520.31	0
520	Chromium, Total (Cr) (ppm)	0629	188.5	9.000	192.8	13.97	5.902	19	-0.31	520.43	0
520	Chromium, Total (Cr) (ppm)	2404	196.7	3.580	192.8	13.97	5.902	19	0.28	520.53	0
520	Chromium, Total (Cr) (ppm)	0510	199.5	0.7000	192.8	13.97	5.902	19	0.48	520.43	0
520	Chromium, Total (Cr) (ppm)	0098	201.0	6.000	192.8	13.97	5.902	19	0.59	520.53	0
520	Chromium, Total (Cr) (ppm)	0553	202.0	4.000	192.8	13.97	5.902	19	0.66	520.53	0
520	Chromium, Total (Cr) (ppm)	0407	203.7	8.523	192.8	13.97	5.902	19	0.78	520.53	0
520	Chromium, Total (Cr) (ppm)	2033	206.8	5.600	192.8	13.97	5.902	19	1.00	520.43	0
520	Chromium, Total (Cr) (ppm)	0010	207.0	12.10	192.8	13.97	5.902	19	1.01	520.53	0
520	Chromium, Total (Cr) (ppm)	0918	210.4	3.912	192.8	13.97	5.902	19	1.26	520.53	0
520	Chromium, Total (Cr) (ppm)	0148	210.6	5.152	192.8	13.97	5.902	19	1.28	520.43	0
520	Chromium, Total (Cr) (ppm)	0278	228.8	0.7500	192.8	13.97	5.902	19	2.58	520.43	0
520	Chromium, Total (Cr) (ppm)	0964	187.5	33.00	192.8	13.97	5.902	19	-0.38	520.43	1
522	Hexavalent Chromium (Cr VI) (ppm)	2404	0.0000	0.0000				0		522.99	4
526	Lead (ppm)	0148	2.615	0.7900	4.396	0.5627	0.1731	21	-3.16	526.43	0
526	Lead (ppm)	0511	3.000	0.0000	4.396	0.5627	0.1731	21	-2.48	526.43	0
526	Lead (ppm)	0563	3.655	0.0900	4.396	0.5627	0.1731	21	-1.32	526.31	0
526	Lead (ppm)	2404	3.720	0.0400	4.396	0.5627	0.1731	21	-1.20	526.43	0
526	Lead (ppm)	0407	3.761	0.1972	4.396	0.5627	0.1731	21	-1.13	526.41	0
526	Lead (ppm)	0629	3.875	0.0900	4.396	0.5627	0.1731	21	-0.93	526.43	0
526	Lead (ppm)	2113	4.150	0.1000	4.396	0.5627	0.1731	21	-0.44	526.52	0
526	Lead (ppm)	0043	4.286	0.1442	4.396	0.5627	0.1731	21	-0.19	526.53	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			
526	Lead (ppm)	0964	4.375	0.4700	4.396	0.5627	0.1731	21	-0.04	526.43	0
526	Lead (ppm)	0010	4.500	0.0000	4.396	0.5627	0.1731	21	0.19	526.53	0
526	Lead (ppm)	0870	4.551	0.6796	4.396	0.5627	0.1731	21	0.28	526.43	0
526	Lead (ppm)	0407	4.602	0.1830	4.396	0.5627	0.1731	21	0.37	526.53	0
526	Lead (ppm)	0098	4.660	0.0600	4.396	0.5627	0.1731	21	0.47	526.53	0
526	Lead (ppm)	2171	4.660	0.0000	4.396	0.5627	0.1731	21	0.47	526.53	0
526	Lead (ppm)	2033	4.715	0.0900	4.396	0.5627	0.1731	21	0.57	526.53	0
526	Lead (ppm)	0553	4.720	0.0400	4.396	0.5627	0.1731	21	0.58	526.53	0
526	Lead (ppm)	0227	4.755	0.0900	4.396	0.5627	0.1731	21	0.64	526.53	0
526	Lead (ppm)	0918	4.914	0.0620	4.396	0.5627	0.1731	21	0.92	526.53	0
526	Lead (ppm)	0572	5.070	0.4200	4.396	0.5627	0.1731	21	1.20	526.53	0
526	Lead (ppm)	0278	5.105	0.0700	4.396	0.5627	0.1731	21	1.26	526.43	0
526	Lead (ppm)	2404	5.900	0.0200	4.396	0.5627	0.1731	21	2.67	526.53	0
526	Lead (ppm)	0042	6.730	1.080	4.396	0.5627	0.1731	21	4.15	526.42	1
529	Mercury (ppb)	0563	41.40	1.400	55.44	12.20	2.326	10	-1.15	529.99	0
529	Mercury (ppb)	0407	44.70	1.003	55.44	12.20	2.326	10	-0.88	529.99	0
529	Mercury (ppb)	0043	49.79	2.294	55.44	12.20	2.326	10	-0.46	529.99	0
529	Mercury (ppb)	2171	50.00	0.0000	55.44	12.20	2.326	10	-0.45	529.99	0
529	Mercury (ppb)	0553	55.00	0.8000	55.44	12.20	2.326	10	-0.04	529.99	0
529	Mercury (ppb)	0227	55.91	3.160	55.44	12.20	2.326	10	0.04	529.99	0
529	Mercury (ppb)	2033	59.00	2.000	55.44	12.20	2.326	10	0.29	529.99	0
529	Mercury (ppb)	0010	63.00	4.000	55.44	12.20	2.326	10	0.62	529.99	0
529	Mercury (ppb)	0042	64.40	4.600	55.44	12.20	2.326	10	0.73	529.00	0
529	Mercury (ppb)	0629	91.00	4.000	55.44	12.20	2.326	10	2.92	529.99	0
529	Mercury (ppb)	0098	< 100		55.44	12.20	2.326	10		529.99	5
539	Nickel (ppm)	2292	184.5	3.000	225.0	15.93	12.85	15	-2.54	539.99	0
539	Nickel (ppm)	0511	198.0	6.000	225.0	15.93	12.85	15	-1.69	539.43	0
539	Nickel (ppm)	0042	210.0	8.000	225.0	15.93	12.85	15	-0.94	539.42	0
539	Nickel (ppm)	2113	210.0	40.00	225.0	15.93	12.85	15	-0.94	539.52	0
539	Nickel (ppm)	0964	211.5	39.00	225.0	15.93	12.85	15	-0.85	539.43	0
539	Nickel (ppm)	0629	217.0	6.000	225.0	15.93	12.85	15	-0.50	539.43	0
539	Nickel (ppm)	0407	222.2	3.521	225.0	15.93	12.85	15	-0.18	539.53	0
539	Nickel (ppm)	0407	227.4	12.62	225.0	15.93	12.85	15	0.15	539.41	0
539	Nickel (ppm)	0870	233.1	43.54	225.0	15.93	12.85	15	0.51	539.43	0
539	Nickel (ppm)	2033	237.2	6.450	225.0	15.93	12.85	15	0.77	539.43	0
539	Nickel (ppm)	0553	238.0	6.000	225.0	15.93	12.85	15	0.82	539.53	0
539	Nickel (ppm)	0098	238.5	1.000	225.0	15.93	12.85	15	0.85	539.53	0
539	Nickel (ppm)	0010	240.0	4.000	225.0	15.93	12.85	15	0.94	539.53	0
539	Nickel (ppm)	0278	247.8	5.350	225.0	15.93	12.85	15	1.43	539.43	0
539	Nickel (ppm)	0148	248.5	8.347	225.0	15.93	12.85	15	1.47	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

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			

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.