AAFCO Proficiency Testing Program

ANAB ACCREDITED ISO/IEC 17043 PROFICIENCY TESTING PROVIDER

AAFCO PTP Minerals Scheme

Minerals Scheme

Dog Feed

Test Material Code # 201954

Analyte Proficiency Testing Report

 # Labs Reporting: 28

 # Analytes Reported 16

Issue Date : 01/31/2020

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)	0047	28.25	0.1100	64.76	5.530	5.167	14	-6.60	015.52	0
015	Aluminum (ppm)	0186	36.90	2.600	64.76	5.530	5.167	14	-5.04	015.52	0
015	Aluminum (ppm)	2207	50.00	2.000	64.76	5.530	5.167	14	-2.67	015.52	0
015	Aluminum (ppm)	0918	52.18	4.144	64.76	5.530	5.167	14	-2.27	015.53	0
015	Aluminum (ppm)	0510	56.50	1.000	64.76	5.530	5.167	14	-1.49	015.43	0
015	Aluminum (ppm)	0208	59.20	1.800	64.76	5.530	5.167	14	-1.01	015.41	0
015	Aluminum (ppm)	0098	67.46	0.5900	64.76	5.530	5.167	14	0.49	015.43	0
015	Aluminum (ppm)	0870	70.91	3.461	64.76	5.530	5.167	14	1.11	015.43	0
015	Aluminum (ppm)	0553	71.90	3.800	64.76	5.530	5.167	14	1.29	015.53	0
015	Aluminum (ppm)	2033	72.60	5.800	64.76	5.530	5.167	14	1.42	015.43	0
015	Aluminum (ppm)	0278	75.02	1.160	64.76	5.530	5.167	14	1.86	015.43	0
015	Aluminum (ppm)	0407	80.31	21.41	64.76	5.530	5.167	14	2.81	015.41	0
015	Aluminum (ppm)	0964	84.14	0.4511	64.76	5.530	5.167	14	3.50	015.43	0
015	Aluminum (ppm)	2260	105.6	24.00	64.76	5.530	5.167	14	7.39	015.33	0
017	Boron (ppm)	2033	22.20	0.2000	24.13	2.391	1.441	8	-0.81	017.43	0
017	Boron (ppm)	0407	22.50	1.448	24.13	2.391	1.441	8	-0.68	017.41	0
017	Boron (ppm)	2260	22.77	4.090	24.13	2.391	1.441	8	-0.57	017.99	0
017	Boron (ppm)	0918	23.29	0.1500	24.13	2.391	1.441	8	-0.35	017.43	0
017	Boron (ppm)	0098	23.87	0.3400	24.13	2.391	1.441	8	-0.11	017.43	0
017	Boron (ppm)	0510	24.50	1.000	24.13	2.391	1.441	8	0.15	017.43	0
017	Boron (ppm)	0553	26.55	2.300	24.13	2.391	1.441	8	1.01	017.53	0
017	Boron (ppm)	2207	29.00	2.000	24.13	2.391	1.441	8	2.04	017.52	0
021	Cobalt (ppm)	0918	0.6137	0.0246	1.084	0.1713	0.1079	15	-2.75	021.53	0
021	Cobalt (ppm)	2207	0.6200	0.0600	1.084	0.1713	0.1079	15	-2.71	021.52	0
021	Cobalt (ppm)	2260	0.7025	0.0550	1.084	0.1713	0.1079	15	-2.23	021.33	0
021	Cobalt (ppm)	2113	0.7550	0.2500	1.084	0.1713	0.1079	15	-1.92	021.52	0
021	Cobalt (ppm)	0278	0.8700	0.0000	1.084	0.1713	0.1079	15	-1.25	021.43	0
021	Cobalt (ppm)	0553	1.034	0.3930	1.084	0.1713	0.1079	15	-0.30	021.53	0
021	Cobalt (ppm)	0186	1.075	0.0700	1.084	0.1713	0.1079	15	-0.05	021.52	0
021	Cobalt (ppm)	0964	1.206	0.2846	1.084	0.1713	0.1079	15	0.71	021.43	0
021	Cobalt (ppm)	0098	1.219	0.0650	1.084	0.1713	0.1079	15	0.78	021.53	0
021	Cobalt (ppm)	2033	1.245	0.1100	1.084	0.1713	0.1079	15	0.94	021.43	0
021	Cobalt (ppm)	0510	1.320	0.0000	1.084	0.1713	0.1079	15	1.38	021.43	0

Test Material Code # 201954 | **Analyte Proficiency Testing Report** | **Issue Date : 01/31/2020**

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)	2141	1.352	0.1420	1.084	0.1713	0.1079	15	1.56	021.43	0
021	Cobalt (ppm)	0033	1.365	0.0500	1.084	0.1713	0.1079	15	1.64	021.53	0
021	Cobalt (ppm)	0208	1.420	0.1000	1.084	0.1713	0.1079	15	1.96	021.31	0
021	Cobalt (ppm)	0407	1.467	0.0139	1.084	0.1713	0.1079	15	2.23	021.41	0
022	Copper (ppm)	0278	14.30	7.200	20.67	2.096	0.9304	26	-3.04	022.42	0
022	Copper (ppm)	0098	18.34	0.1400	20.67	2.096	0.9304	26	-1.11	022.53	0
022	Copper (ppm)	0511	18.50	1.000	20.67	2.096	0.9304	26	-1.03	022.41	0
022	Copper (ppm)	2113	19.00	2.000	20.67	2.096	0.9304	26	-0.80	022.52	0
022	Copper (ppm)	2114	19.31	0.3942	20.67	2.096	0.9304	26	-0.65	022.99	0
022	Copper (ppm)	2146	20.04	0.9600	20.67	2.096	0.9304	26	-0.30	022.32	0
022	Copper (ppm)	0407	20.07	0.4965	20.67	2.096	0.9304	26	-0.29	022.41	0
022	Copper (ppm)	2146	20.12	0.4000	20.67	2.096	0.9304	26	-0.26	022.51	0
022	Copper (ppm)	0553	20.25	1.500	20.67	2.096	0.9304	26	-0.20	022.53	0
022	Copper (ppm)	0918	20.40	0.0000	20.67	2.096	0.9304	26	-0.13	022.43	0
022	Copper (ppm)	2141	20.47	0.5670	20.67	2.096	0.9304	26	-0.09	022.43	0
022	Copper (ppm)	0186	20.55	1.500	20.67	2.096	0.9304	26	-0.06	022.52	0
022	Copper (ppm)	0964	20.67	0.1932	20.67	2.096	0.9304	26	0.00	022.43	0
022	Copper (ppm)	2033	20.70	0.2000	20.67	2.096	0.9304	26	0.02	022.43	0
022	Copper (ppm)	0017	20.70	0.3140	20.67	2.096	0.9304	26	0.02	022.43	0
022	Copper (ppm)	0870	20.72	0.7480	20.67	2.096	0.9304	26	0.02	022.43	0
022	Copper (ppm)	0208	21.10	0.7500	20.67	2.096	0.9304	26	0.20	022.41	0
022	Copper (ppm)	0202	21.10	0.2400	20.67	2.096	0.9304	26	0.21	022.43	0
022	Copper (ppm)	0186	21.50	1.000	20.67	2.096	0.9304	26	0.40	022.42	0
022	Copper (ppm)	0529	21.55	1.100	20.67	2.096	0.9304	26	0.42	022.31	0
022	Copper (ppm)	0208	21.60	1.800	20.67	2.096	0.9304	26	0.44	022.31	0
022	Copper (ppm)	0010	22.00	0.0000	20.67	2.096	0.9304	26	0.64	022.33	0
022	Copper (ppm)	0510	22.00	0.0000	20.67	2.096	0.9304	26	0.64	022.43	0
022	Copper (ppm)	2260	22.18	1.160	20.67	2.096	0.9304	26	0.72	022.34	0
022	Copper (ppm)	2207	23.00	0.0000	20.67	2.096	0.9304	26	1.11	022.52	0
022	Copper (ppm)	0563	23.27	0.5282	20.67	2.096	0.9304	26	1.24	022.31	0
022	Copper (ppm)	0026	25.30	10.37	20.67	2.096	0.9304	26	2.21	022.42	1
023	Fluorine (ppm)	0208	171.5	7.000				3		023.01	0
023	Fluorine (ppm)	2033	178.0	6.000				3		023.01	0
023	Fluorine (ppm)	0563	298.8	4.910				3		023.01	0
024	Iodine (ppm)	0208	84.90	1.400				3		024.99	0
024	Iodine (ppm)	2033	87.50	3.000				3		024.53	0
024	Iodine (ppm)	0186	91.50	3.000				3		024.52	0
034	Selenium (ppm)	0563	0.3888	0.0209	0.5846	0.1014	0.1147	13	-1.93	034.04	0
034	Selenium (ppm)	2207	0.4000	0.2000	0.5846	0.1014	0.1147	13	-1.82	034.52	0
034	Selenium (ppm)	0553	0.5250	0.0160	0.5846	0.1014	0.1147	13	-0.59	034.53	0
034	Selenium (ppm)	0033	0.5330	0.0320	0.5846	0.1014	0.1147	13	-0.51	034.53	0
034	Selenium (ppm)	0098	0.5720	0.0540	0.5846	0.1014	0.1147	13	-0.12	034.53	0

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			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests			
034	Selenium (ppm)	0186	0.5760	0.0320	0.5846	0.1014	0.1147	13	-0.08	034.52	0
034	Selenium (ppm)	0208	0.5865	0.0370	0.5846	0.1014	0.1147	13	0.02	034.52	0
034	Selenium (ppm)	0047	0.6000	0.0200	0.5846	0.1014	0.1147	13	0.15	034.52	0
034	Selenium (ppm)	2033	0.6000	0.0200	0.5846	0.1014	0.1147	13	0.15	034.53	0
034	Selenium (ppm)	0918	0.6190	0.0154	0.5846	0.1014	0.1147	13	0.34	034.53	0
034	Selenium (ppm)	0964	0.6495	0.0339	0.5846	0.1014	0.1147	13	0.64	034.43	0
034	Selenium (ppm)	0407	1.585	0.4700	0.5846	0.1014	0.1147	13	9.87	034.41	0
034	Selenium (ppm)	2260	7.670	0.5400	0.5846	0.1014	0.1147	13	69.89	034.33	0
034	Selenium (ppm)	2141	< 1		0.5846	0.1014	0.1147	13		034.43	5
034	Selenium (ppm)	0010	< 3		0.5846	0.1014	0.1147	13		034.53	5
036	Sulfur (%)	0278	0.3500	0.0000	0.3924	0.0181	0.0153	15	-2.35	036.42	0
036	Sulfur (%)	2141	0.3530	0.0346	0.3924	0.0181	0.0153	15	-2.18	036.43	0
036	Sulfur (%)	2033	0.3650	0.0100	0.3924	0.0181	0.0153	15	-1.52	036.43	0
036	Sulfur (%)	0870	0.3762	0.0115	0.3924	0.0181	0.0153	15	-0.90	036.42	0
036	Sulfur (%)	0407	0.3766	0.0173	0.3924	0.0181	0.0153	15	-0.88	036.43	0
036	Sulfur (%)	0186	0.3785	0.0210	0.3924	0.0181	0.0153	15	-0.77	036.52	0
036	Sulfur (%)	0918	0.3870	0.0020	0.3924	0.0181	0.0153	15	-0.30	036.43	0
036	Sulfur (%)	0098	0.3890	0.0100	0.3924	0.0181	0.0153	15	-0.19	036.43	0
036	Sulfur (%)	0553	0.3930	0.0040	0.3924	0.0181	0.0153	15	0.03	036.53	0
036	Sulfur (%)	0202	0.4050	0.0100	0.3924	0.0181	0.0153	15	0.70	036.43	0
036	Sulfur (%)	0208	0.4125	0.0170	0.3924	0.0181	0.0153	15	1.11	036.00	0
036	Sulfur (%)	0964	0.4130	0.0360	0.3924	0.0181	0.0153	15	1.14	036.43	0
036	Sulfur (%)	0186	0.4220	0.0260	0.3924	0.0181	0.0153	15	1.64	036.42	0
036	Sulfur (%)	2207	0.4300	0.0200	0.3924	0.0181	0.0153	15	2.08	036.42	0
036	Sulfur (%)	0510	0.4350	0.0100	0.3924	0.0181	0.0153	15	2.36	036.43	0
038	Molybdenum (ppm)	0407	2.002	0.0463	2.286	0.3228	0.0940	15	-0.88	038.41	0
038	Molybdenum (ppm)	0918	2.081	0.0014	2.286	0.3228	0.0940	15	-0.63	038.53	0
038	Molybdenum (ppm)	2033	2.100	0.0200	2.286	0.3228	0.0940	15	-0.57	038.43	0
038	Molybdenum (ppm)	0964	2.140	0.1792	2.286	0.3228	0.0940	15	-0.45	038.43	0
038	Molybdenum (ppm)	0186	2.180	0.0800	2.286	0.3228	0.0940	15	-0.33	038.52	0
038	Molybdenum (ppm)	0098	2.184	0.1110	2.286	0.3228	0.0940	15	-0.32	038.53	0
038	Molybdenum (ppm)	0278	2.230	0.1400	2.286	0.3228	0.0940	15	-0.17	038.42	0
038	Molybdenum (ppm)	0553	2.255	0.0500	2.286	0.3228	0.0940	15	-0.09	038.53	0
038	Molybdenum (ppm)	2113	2.300	0.0000	2.286	0.3228	0.0940	15	0.04	038.52	0
038	Molybdenum (ppm)	0033	2.335	0.0100	2.286	0.3228	0.0940	15	0.15	038.53	0
038	Molybdenum (ppm)	2207	2.345	0.0500	2.286	0.3228	0.0940	15	0.18	038.52	0
038	Molybdenum (ppm)	0010	2.500	0.0000	2.286	0.3228	0.0940	15	0.66	038.53	0
038	Molybdenum (ppm)	2141	2.507	0.2740	2.286	0.3228	0.0940	15	0.69	038.43	0
038	Molybdenum (ppm)	0510	2.550	0.1000	2.286	0.3228	0.0940	15	0.82	038.43	0
038	Molybdenum (ppm)	0563	2.576	0.3479	2.286	0.3228	0.0940	15	0.90	038.34	0
038	Molybdenum (ppm)	0208	2.770	1.260	2.286	0.3228	0.0940	15	1.50	038.41	1
041	Vanadium (ppm)	2260	4.815	0.6100	10.91	1.218	0.5661	8	-5.01	041.33	0

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			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests			
041	Vanadium (ppm)	0098	9.420	0.2540	10.91	1.218	0.5661	8	-1.23	041.53	0
041	Vanadium (ppm)	2033	10.15	0.1990	10.91	1.218	0.5661	8	-0.63	041.43	0
041	Vanadium (ppm)	0278	11.02	1.610	10.91	1.218	0.5661	8	0.08	041.43	0
041	Vanadium (ppm)	0870	11.25	0.6880	10.91	1.218	0.5661	8	0.28	041.43	0
041	Vanadium (ppm)	2207	11.50	1.000	10.91	1.218	0.5661	8	0.48	041.52	0
041	Vanadium (ppm)	0047	12.15	0.0900	10.91	1.218	0.5661	8	1.01	041.52	0
041	Vanadium (ppm)	0563	14.24	0.0774	10.91	1.218	0.5661	8	2.73	041.34	0
516	Arsenic, Total (ppm)	0563	10.73	0.3785	28.62	2.763	2.191	20	-6.47	516.00	0
516	Arsenic, Total (ppm)	2146	23.65	0.8800	28.62	2.763	2.191	20	-1.80	516.52	0
516	Arsenic, Total (ppm)	2260	25.61	6.070	28.62	2.763	2.191	20	-1.09	516.00	0
516	Arsenic, Total (ppm)	0186	26.50	3.000	28.62	2.763	2.191	20	-0.77	516.42	0
516	Arsenic, Total (ppm)	0407	26.84	1.777	28.62	2.763	2.191	20	-0.64	516.43	0
516	Arsenic, Total (ppm)	0186	27.00	3.600	28.62	2.763	2.191	20	-0.59	516.52	0
516	Arsenic, Total (ppm)	0918	27.37	0.8438	28.62	2.763	2.191	20	-0.45	516.53	0
516	Arsenic, Total (ppm)	2113	27.50	1.000	28.62	2.763	2.191	20	-0.40	516.52	0
516	Arsenic, Total (ppm)	0208	28.05	3.700	28.62	2.763	2.191	20	-0.21	516.52	0
516	Arsenic, Total (ppm)	0964	28.51	0.6352	28.62	2.763	2.191	20	-0.04	516.43	0
516	Arsenic, Total (ppm)	0870	28.76	1.541	28.62	2.763	2.191	20	0.05	516.43	0
516	Arsenic, Total (ppm)	0098	29.66	2.500	28.62	2.763	2.191	20	0.38	516.53	0
516	Arsenic, Total (ppm)	2114	30.01	2.834	28.62	2.763	2.191	20	0.50	516.43	0
516	Arsenic, Total (ppm)	2033	30.06	0.8200	28.62	2.763	2.191	20	0.52	516.53	0
516	Arsenic, Total (ppm)	0033	30.30	1.000	28.62	2.763	2.191	20	0.61	516.53	0
516	Arsenic, Total (ppm)	0047	30.32	1.340	28.62	2.763	2.191	20	0.62	516.52	0
516	Arsenic, Total (ppm)	0553	30.65	1.300	28.62	2.763	2.191	20	0.74	516.53	0
516	Arsenic, Total (ppm)	2207	31.15	2.700	28.62	2.763	2.191	20	0.92	516.52	0
516	Arsenic, Total (ppm)	2141	32.23	2.106	28.62	2.763	2.191	20	1.31	516.43	0
516	Arsenic, Total (ppm)	0010	35.30	5.800	28.62	2.763	2.191	20	2.42	516.53	0
516	Arsenic, Total (ppm)	0425	87.05	4.300	28.62	2.763	2.191	20	21.14	516.34	2
518	Cadmium (ppm)	0186	9.000	0.0000	10.37	1.167	0.3921	20	-1.18	518.42	0
518	Cadmium (ppm)	0407	9.113	0.0453	10.37	1.167	0.3921	20	-1.08	518.41	0
518	Cadmium (ppm)	0278	9.220	0.3000	10.37	1.167	0.3921	20	-0.99	518.43	0
518	Cadmium (ppm)	2146	9.495	0.1100	10.37	1.167	0.3921	20	-0.75	518.52	0
518	Cadmium (ppm)	0098	9.805	0.3700	10.37	1.167	0.3921	20	-0.49	518.53	0
518	Cadmium (ppm)	0208	10.15	0.3000	10.37	1.167	0.3921	20	-0.19	518.52	0
518	Cadmium (ppm)	0186	10.20	0.4000	10.37	1.167	0.3921	20	-0.15	518.52	0
518	Cadmium (ppm)	0918	10.35	0.0842	10.37	1.167	0.3921	20	-0.01	518.53	0
518	Cadmium (ppm)	0964	10.37	0.4292	10.37	1.167	0.3921	20	0.00	518.43	0
518	Cadmium (ppm)	0870	10.39	0.4370	10.37	1.167	0.3921	20	0.02	518.43	0
518	Cadmium (ppm)	2113	10.50	1.000	10.37	1.167	0.3921	20	0.11	518.52	0
518	Cadmium (ppm)	0047	10.53	0.7800	10.37	1.167	0.3921	20	0.14	518.52	0
518	Cadmium (ppm)	0033	10.55	0.9000	10.37	1.167	0.3921	20	0.15	518.53	0
518	Cadmium (ppm)	0563	10.58	0.3353	10.37	1.167	0.3921	20	0.18	518.31	0

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518	Cadmium (ppm)	2207	10.74	0.5900	10.37	1.167	0.3921	20	0.31	518.52	0
518	Cadmium (ppm)	0553	10.90	0.4000	10.37	1.167	0.3921	20	0.45	518.53	0
518	Cadmium (ppm)	2260	11.00	0.4000	10.37	1.167	0.3921	20	0.54	518.33	0
518	Cadmium (ppm)	2033	11.28	0.1700	10.37	1.167	0.3921	20	0.77	518.53	0
518	Cadmium (ppm)	2141	11.50	0.7480	10.37	1.167	0.3921	20	0.96	518.43	0
518	Cadmium (ppm)	2114	12.00	0.0433	10.37	1.167	0.3921	20	1.40	518.99	0
518	Cadmium (ppm)	0010	10.20	2.000	10.37	1.167	0.3921	20	-0.15	518.53	1
518	Cadmium (ppm)	0425	0.5600	0.0200	10.37	1.167	0.3921	20	-8.41	518.34	2
520	Chromium (ppm)	0918	0.7082	0.1499	2.560	0.3554	0.3280	17	-5.21	520.53	0
520	Chromium (ppm)	2113	0.9100	0.1800	2.560	0.3554	0.3280	17	-4.64	520.52	0
520	Chromium (ppm)	0047	1.520	0.0000	2.560	0.3554	0.3280	17	-2.92	520.52	0
520	Chromium (ppm)	0407	1.575	0.0414	2.560	0.3554	0.3280	17	-2.77	520.41	0
520	Chromium (ppm)	2207	1.750	0.1000	2.560	0.3554	0.3280	17	-2.28	520.52	0
520	Chromium (ppm)	0553	2.155	1.230	2.560	0.3554	0.3280	17	-1.14	520.53	0
520	Chromium (ppm)	0098	2.230	0.2000	2.560	0.3554	0.3280	17	-0.93	520.53	0
520	Chromium (ppm)	0186	2.390	0.0600	2.560	0.3554	0.3280	17	-0.48	520.52	0
520	Chromium (ppm)	0278	2.435	0.2900	2.560	0.3554	0.3280	17	-0.35	520.43	0
520	Chromium (ppm)	2033	2.515	0.0700	2.560	0.3554	0.3280	17	-0.13	520.43	0
520	Chromium (ppm)	0033	2.705	0.1900	2.560	0.3554	0.3280	17	0.41	520.53	0
520	Chromium (ppm)	2141	2.944	0.4320	2.560	0.3554	0.3280	17	1.08	520.43	0
520	Chromium (ppm)	0964	3.034	0.0485	2.560	0.3554	0.3280	17	1.34	520.43	0
520	Chromium (ppm)	0510	3.115	0.0100	2.560	0.3554	0.3280	17	1.56	520.43	0
520	Chromium (ppm)	0870	4.485	0.0250	2.560	0.3554	0.3280	17	5.42	520.43	0
520	Chromium (ppm)	0208	4.950	1.920	2.560	0.3554	0.3280	17	6.73	520.41	0
520	Chromium (ppm)	2260	6.305	0.6300	2.560	0.3554	0.3280	17	10.54	520.33	0
520	Chromium (ppm)	0010	8.150	2.500	2.560	0.3554	0.3280	17	15.73	520.53	1
526	Lead (ppm)	2260	1.145	0.0900	3.740	0.4906	0.2000	21	-5.29	526.33	0
526	Lead (ppm)	0033	3.065	0.0100	3.740	0.4906	0.2000	21	-1.38	526.53	0
526	Lead (ppm)	2114	3.198	0.0736	3.740	0.4906	0.2000	21	-1.11	526.99	0
526	Lead (ppm)	2146	3.390	0.1400	3.740	0.4906	0.2000	21	-0.71	526.52	0
526	Lead (ppm)	0010	3.400	0.2000	3.740	0.4906	0.2000	21	-0.69	526.53	0
526	Lead (ppm)	0407	3.412	0.5268	3.740	0.4906	0.2000	21	-0.67	526.41	0
526	Lead (ppm)	0047	3.525	0.0300	3.740	0.4906	0.2000	21	-0.44	526.52	0
526	Lead (ppm)	2113	3.650	0.1000	3.740	0.4906	0.2000	21	-0.18	526.52	0
526	Lead (ppm)	0964	3.654	0.4626	3.740	0.4906	0.2000	21	-0.18	526.43	0
526	Lead (ppm)	0098	3.680	0.2600	3.740	0.4906	0.2000	21	-0.12	526.53	0
526	Lead (ppm)	2033	3.780	0.0400	3.740	0.4906	0.2000	21	0.08	526.53	0
526	Lead (ppm)	2141	3.809	0.0340	3.740	0.4906	0.2000	21	0.14	526.43	0
526	Lead (ppm)	0186	3.825	0.5700	3.740	0.4906	0.2000	21	0.17	526.52	0
526	Lead (ppm)	0425	3.970	0.2600	3.740	0.4906	0.2000	21	0.47	526.34	0
526	Lead (ppm)	0278	3.980	0.0200	3.740	0.4906	0.2000	21	0.49	526.43	0
526	Lead (ppm)	0870	3.997	0.2270	3.740	0.4906	0.2000	21	0.52	526.43	0

Test Material Code # 201954 | **Analyte Proficiency Testing Report** | **Issue Date : 01/31/2020**

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)	0553	4.065	0.2700	3.740	0.4906	0.2000	21	**0.66**	526.53	0
526	Lead (ppm)	0563	4.153	0.1787	3.740	0.4906	0.2000	21	**0.84**	526.31	0
526	Lead (ppm)	0208	4.245	0.1700	3.740	0.4906	0.2000	21	**1.03**	526.52	0
526	Lead (ppm)	2207	4.250	0.5000	3.740	0.4906	0.2000	21	**1.04**	526.52	0
526	Lead (ppm)	0918	4.478	0.0364	3.740	0.4906	0.2000	21	**1.50**	526.53	0
529	Mercury (ppb)	0918	0.1080	0.0120	83.24	18.31	6.277	12	**-4.54**	529.99	0
529	Mercury (ppb)	0563	0.1106	0.0091	83.24	18.31	6.277	12	**-4.54**	529.99	0
529	Mercury (ppb)	2114	0.1166	0.0041	83.24	18.31	6.277	12	**-4.54**	529.99	0
529	Mercury (ppb)	0186	85.85	17.30	83.24	18.31	6.277	12	**0.14**	529.99	0
529	Mercury (ppb)	0033	92.50	2.400	83.24	18.31	6.277	12	**0.51**	529.99	0
529	Mercury (ppb)	0010	96.50	3.000	83.24	18.31	6.277	12	**0.72**	529.99	0
529	Mercury (ppb)	2033	98.50	3.000	83.24	18.31	6.277	12	**0.83**	529.99	0
529	Mercury (ppb)	0553	99.30	15.40	83.24	18.31	6.277	12	**0.88**	529.99	0
529	Mercury (ppb)	0208	108.0	10.00	83.24	18.31	6.277	12	**1.35**	529.99	0
529	Mercury (ppb)	2207	120.0	0.0000	83.24	18.31	6.277	12	**2.01**	529.99	0
529	Mercury (ppb)	0098	120.5	13.00	83.24	18.31	6.277	12	**2.03**	529.99	0
529	Mercury (ppb)	0425	548.4	11.20	83.24	18.31	6.277	12	**25.40**	529.00	0
529	Mercury (ppb)	2260	< 50		83.24	18.31	6.277	12		529.00	5
539	Nickel (ppm)	0407	2.678	0.5093	3.318	0.4431	0.3279	15	**-1.44**	539.41	0
539	Nickel (ppm)	0098	2.810	0.4600	3.318	0.4431	0.3279	15	**-1.15**	539.53	0
539	Nickel (ppm)	2033	2.990	0.0400	3.318	0.4431	0.3279	15	**-0.74**	539.43	0
539	Nickel (ppm)	0918	3.149	0.0223	3.318	0.4431	0.3279	15	**-0.38**	539.53	0
539	Nickel (ppm)	0553	3.205	0.3700	3.318	0.4431	0.3279	15	**-0.25**	539.53	0
539	Nickel (ppm)	2113	3.250	0.9000	3.318	0.4431	0.3279	15	**-0.15**	539.52	0
539	Nickel (ppm)	2260	3.260	0.2000	3.318	0.4431	0.3279	15	**-0.13**	539.33	0
539	Nickel (ppm)	0160	3.300	0.4000	3.318	0.4431	0.3279	15	**-0.04**	539.99	0
539	Nickel (ppm)	2207	3.350	0.1000	3.318	0.4431	0.3279	15	**0.07**	539.52	0
539	Nickel (ppm)	0208	3.370	0.6000	3.318	0.4431	0.3279	15	**0.12**	539.41	0
539	Nickel (ppm)	0186	3.370	0.2400	3.318	0.4431	0.3279	15	**0.12**	539.52	0
539	Nickel (ppm)	0047	3.445	0.0700	3.318	0.4431	0.3279	15	**0.29**	539.52	0
539	Nickel (ppm)	2141	3.761	0.4280	3.318	0.4431	0.3279	15	**1.00**	539.43	0
539	Nickel (ppm)	0964	3.868	0.3284	3.318	0.4431	0.3279	15	**1.24**	539.43	0
539	Nickel (ppm)	0278	4.755	0.2500	3.318	0.4431	0.3279	15	**3.24**	539.43	0
539	Nickel (ppm)	0010	7.000	4.000	3.318	0.4431	0.3279	15	**8.31**	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, 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.