



Proficiency Testing

Sample # 201551

Poultry Layer Feed

All Tests Report
Minerals Program

Labs Reporting: 13

Issue Date : 05/03/2015

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Labs			
002	Protein (%)	508	45.919	0.22900			0.22900	1			
003	Fat (%)	508	0.31935	0.03050			0.03050	1			
015	Aluminum (mg / kg (ppm))	870	3.2940	0.08000	367.24	24.152	24.230	9	-15.07	015.42	0
015	Aluminum (mg / kg (ppm))	510	242.50	5.0000	367.24	24.152	24.230	9	-5.16	015.43	0
015	Aluminum (mg / kg (ppm))	42	345.00	74.000	367.24	24.152	24.230	9	-0.92	015.42	0
015	Aluminum (mg / kg (ppm))	160	363.50	33.000	367.24	24.152	24.230	9	-0.16	015.42	0
015	Aluminum (mg / kg (ppm))	227	370.00	20.000	367.24	24.152	24.230	9	0.11	015.41	0
015	Aluminum (mg / kg (ppm))	98	381.70	5.0000	367.24	24.152	24.230	9	0.60	015.43	0
015	Aluminum (mg / kg (ppm))	964	382.62	39.990	367.24	24.152	24.230	9	0.64	015.41	0
015	Aluminum (mg / kg (ppm))	553	408.00	28.000	367.24	24.152	24.230	9	1.69	015.53	0
015	Aluminum (mg / kg (ppm))	208	426.50	13.000	367.24	24.152	24.230	9	2.45	015.41	0
017	Boron (mg / kg (ppm))	870	2.1905	0.06700	220.91	15.684	3.4734	5	-13.46	017.42	0
017	Boron (mg / kg (ppm))	510	192.00	4.0000	220.91	15.684	3.4734	5	1.14	017.43	0
017	Boron (mg / kg (ppm))	208	209.00	4.0000	220.91	15.684	3.4734	5	2.45	017.44	0
017	Boron (mg / kg (ppm))	98	229.15	4.3000	220.91	15.684	3.4734	5	4.00	017.43	0
017	Boron (mg / kg (ppm))	160	253.50	5.0000	220.91	15.684	3.4734	5	5.87	017.42	0
019	Calcium (%)	510	3.2800	0.04000	3.7551	0.12308	0.15646	5	-3.86	019.43	0
019	Calcium (%)	208	3.7180	0.20200	3.7551	0.12308	0.15646	5	-0.30	019.41	0
019	Calcium (%)	555	3.8000	0.40000	3.7551	0.12308	0.15646	5	0.36	019.42	0
019	Calcium (%)	964	3.8720	0.08700	3.7551	0.12308	0.15646	5	0.95	019.41	0
019	Calcium (%)	964	4.1056	0.05330	3.7551	0.12308	0.15646	5	2.85	019.43	0
021	Cobalt (mg / kg (ppm))	870	0.02710	0.00060	2.9005	0.39528	0.11584	13	-7.27	021.42	0
021	Cobalt (mg / kg (ppm))	208	2.5700	0.04000	2.9005	0.39528	0.11584	13	-0.84	021.31	0
021	Cobalt (mg / kg (ppm))	227	2.6000	0.20000	2.9005	0.39528	0.11584	13	-0.76	021.31	0
021	Cobalt (mg / kg (ppm))	510	2.6650	0.01000	2.9005	0.39528	0.11584	13	-0.60	021.43	0
021	Cobalt (mg / kg (ppm))	964	2.8190	0.05250	2.9005	0.39528	0.11584	13	-0.21	021.41	0
021	Cobalt (mg / kg (ppm))	42	2.8700	0.14000	2.9005	0.39528	0.11584	13	-0.08	021.32	0
021	Cobalt (mg / kg (ppm))	33	2.9050	0.11000	2.9005	0.39528	0.11584	13	0.01	021.53	0
021	Cobalt (mg / kg (ppm))	160	2.9850	0.17000	2.9005	0.39528	0.11584	13	0.21	021.42	0
021	Cobalt (mg / kg (ppm))	555	3.0500	0.10000	2.9005	0.39528	0.11584	13	0.38	021.52	0
021	Cobalt (mg / kg (ppm))	553	3.0500	0.30000	2.9005	0.39528	0.11584	13	0.38	021.53	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Labs			
021	Cobalt (mg / kg (ppm))	964	3.1695	0.35580	2.9005	0.39528	0.11584	13	0.68	021.43	0
021	Cobalt (mg / kg (ppm))	98	3.2225	0.02700	2.9005	0.39528	0.11584	13	0.81	021.43	0
021	Cobalt (mg / kg (ppm))	563	4.7000	0.00000	2.9005	0.39528	0.11584	13	4.55	021.31	0
022	Copper (mg / kg (ppm))	870	1.2690	0.02800	127.38	9.8243	4.6175	13	-12.84	022.42	0
022	Copper (mg / kg (ppm))	964	117.12	7.9900	127.38	9.8243	4.6175	13	-1.04	022.41	0
022	Copper (mg / kg (ppm))	208	119.00	14.800	127.38	9.8243	4.6175	13	-0.85	022.41	0
022	Copper (mg / kg (ppm))	510	120.00	2.0000	127.38	9.8243	4.6175	13	-0.75	022.43	0
022	Copper (mg / kg (ppm))	563	124.10	1.0000	127.38	9.8243	4.6175	13	-0.33	022.31	0
022	Copper (mg / kg (ppm))	208	126.50	1.0000	127.38	9.8243	4.6175	13	-0.09	022.31	0
022	Copper (mg / kg (ppm))	227	128.00	4.0000	127.38	9.8243	4.6175	13	0.06	022.41	0
022	Copper (mg / kg (ppm))	553	128.50	3.0000	127.38	9.8243	4.6175	13	0.11	022.41	0
022	Copper (mg / kg (ppm))	555	129.00	4.0000	127.38	9.8243	4.6175	13	0.17	022.52	0
022	Copper (mg / kg (ppm))	98	133.10	4.2000	127.38	9.8243	4.6175	13	0.58	022.53	0
022	Copper (mg / kg (ppm))	555	137.36	0.20000	127.38	9.8243	4.6175	13	1.02	022.42	0
022	Copper (mg / kg (ppm))	964	138.46	1.8100	127.38	9.8243	4.6175	13	1.13	022.43	0
022	Copper (mg / kg (ppm))	160	144.00	16.000	127.38	9.8243	4.6175	13	1.69	022.42	0
023	Fluorine (mg / kg (ppm))	555	145.00	12.000	145.75	11.016	9.6667	3	-3.91	023.01	0
023	Fluorine (mg / kg (ppm))	208	146.50	9.0000	145.75	11.016	9.6667	3	-3.81	023.01	0
023	Fluorine (mg / kg (ppm))	563	314.00	8.0000	145.75	11.016	9.6667	3	7.72	023.01	0
024	Iodine (mg / kg (ppm))	160	349.50	13.000			13.000	1			
025	Iron (mg / kg (ppm))	555	93.940	2.1600	147.66	11.138	3.1280	5	-4.82	025.42	0
025	Iron (mg / kg (ppm))	510	141.50	1.0000	147.66	11.138	3.1280	5	-0.55	025.43	0
025	Iron (mg / kg (ppm))	555	151.00	2.0000	147.66	11.138	3.1280	5	0.30	025.52	0
025	Iron (mg / kg (ppm))	208	164.70	2.8000	147.66	11.138	3.1280	5	1.53	025.41	0
025	Iron (mg / kg (ppm))	964	187.17	7.6800	147.66	11.138	3.1280	5	3.55	025.43	0
025	Iron (mg / kg (ppm))	964	179.37	48.110	147.66	11.138	3.1280	5	2.85	025.41	1
027	Magnesium (%)	510	0.24000	0.00000	0.26313	0.01287	0.01184	5	-1.90	027.43	0
027	Magnesium (%)	964	0.26535	0.00970	0.26313	0.01287	0.01184	5	0.07	027.41	0
027	Magnesium (%)	208	0.26700	0.00400	0.26313	0.01287	0.01184	5	0.19	027.41	0
027	Magnesium (%)	555	0.27000	0.04000	0.26313	0.01287	0.01184	5	0.43	027.42	0
027	Magnesium (%)	964	0.28015	0.00550	0.26313	0.01287	0.01184	5	1.21	027.43	0
028	Manganese (mg / kg (ppm))	510	137.50	5.0000	145.25	10.983	10.760	6	-0.71	028.43	0
028	Manganese (mg / kg (ppm))	208	138.65	5.1000	145.25	10.983	10.760	6	-0.60	028.41	0
028	Manganese (mg / kg (ppm))	555	142.50	13.000	145.25	10.983	10.760	6	-0.25	028.52	0
028	Manganese (mg / kg (ppm))	555	147.60	16.830	145.25	10.983	10.760	6	0.21	028.42	0
028	Manganese (mg / kg (ppm))	964	148.85	16.250	145.25	10.983	10.760	6	0.33	028.41	0
028	Manganese (mg / kg (ppm))	964	161.64	8.3800	145.25	10.983	10.760	6	1.49	028.43	0
031	Phosphorus (%)	510	0.54000	0.00000	0.59278	0.02565	0.02887	6	-2.06	031.43	0
031	Phosphorus (%)	555	0.57500	0.09000	0.59278	0.02565	0.02887	6	-0.69	031.42	0
031	Phosphorus (%)	227	0.58000	0.00000	0.59278	0.02565	0.02887	6	-0.50	031.41	0
031	Phosphorus (%)	208	0.60450	0.03500	0.59278	0.02565	0.02887	6	0.46	031.41	0
031	Phosphorus (%)	964	0.61265	0.01890	0.59278	0.02565	0.02887	6	0.77	031.41	0

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031	Phosphorus (%)	964	0.65485	0.02930	0.59278	0.02565	0.02887	6	2.42	031.43	0
032	Potassium (%)	964	0.91005	0.00030	0.97951	0.03930	0.04725	6	-1.77	032.41	0
032	Potassium (%)	208	0.92650	0.07900	0.97951	0.03930	0.04725	6	-1.35	032.41	0
032	Potassium (%)	510	0.97000	0.00000	0.97951	0.03930	0.04725	6	-0.24	032.43	0
032	Potassium (%)	227	0.98000	0.00000	0.97951	0.03930	0.04725	6	0.01	032.41	0
032	Potassium (%)	555	1.0300	0.14000	0.97951	0.03930	0.04725	6	1.28	032.42	0
032	Potassium (%)	964	1.0605	0.06420	0.97951	0.03930	0.04725	6	2.06	032.43	0
033	Salt as chloride (%)	227	0.75500	0.01000			0.02000	2	-4.31	033.01	0
033	Salt as chloride (%)	510	1.0750	0.03000			0.02000	2	4.31	033.01	0
034	Selenium (mg / kg (ppm))	870	0.07100	0.00060	3.0830	0.41630	0.22620	9	-7.24	034.42	0
034	Selenium (mg / kg (ppm))	160	1.6700	0.34000	3.0830	0.41630	0.22620	9	-3.39	034.42	0
034	Selenium (mg / kg (ppm))	555	2.3500	0.10000	3.0830	0.41630	0.22620	9	-1.76	034.99	0
034	Selenium (mg / kg (ppm))	555	3.0000	0.20000	3.0830	0.41630	0.22620	9	-0.20	034.52	0
034	Selenium (mg / kg (ppm))	33	3.3600	0.60000	3.0830	0.41630	0.22620	9	0.67	034.53	0
034	Selenium (mg / kg (ppm))	208	3.5900	0.60000	3.0830	0.41630	0.22620	9	1.22	034.04	0
034	Selenium (mg / kg (ppm))	98	3.7860	0.00000	3.0830	0.41630	0.22620	9	1.69	034.53	0
034	Selenium (mg / kg (ppm))	964	4.3516	0.14520	3.0830	0.41630	0.22620	9	3.05	034.43	0
034	Selenium (mg / kg (ppm))	563	4.4850	0.05000	3.0830	0.41630	0.22620	9	3.37	034.04	0
035	Sodium (%)	510	0.21650	0.00100	0.23789	0.01181	0.00602	5	-1.81	035.43	0
035	Sodium (%)	964	0.23245	0.00410	0.23789	0.01181	0.00602	5	-0.46	035.41	0
035	Sodium (%)	208	0.23650	0.01300	0.23789	0.01181	0.00602	5	-0.12	035.41	0
035	Sodium (%)	227	0.24900	0.00200	0.23789	0.01181	0.00602	5	0.94	035.41	0
035	Sodium (%)	555	0.25500	0.01000	0.23789	0.01181	0.00602	5	1.45	035.42	0
035	Sodium (%)	964	0.25410	0.05140	0.23789	0.01181	0.00602	5	1.37	035.43	1
036	Sulfur (%)	870	0.20750	0.00480	0.23122	0.01153	0.00991	7	-2.06	036.42	0
036	Sulfur (%)	227	0.21500	0.01000	0.23122	0.01153	0.00991	7	-1.41	036.42	0
036	Sulfur (%)	555	0.21500	0.03000	0.23122	0.01153	0.00991	7	-1.41	036.42	0
036	Sulfur (%)	98	0.22550	0.00100	0.23122	0.01153	0.00991	7	-0.50	036.43	0
036	Sulfur (%)	510	0.24000	0.00000	0.23122	0.01153	0.00991	7	0.76	036.43	0
036	Sulfur (%)	33	0.26000	0.00000	0.23122	0.01153	0.00991	7	2.50	036.43	0
036	Sulfur (%)	964	0.27080	0.02360	0.23122	0.01153	0.00991	7	3.43	036.43	0
037	Zinc (mg / kg (ppm))	555	97.000	8.0000	107.99	8.5387	9.9400	7	-1.29	037.52	0
037	Zinc (mg / kg (ppm))	227	99.500	1.0000	107.99	8.5387	9.9400	7	-0.99	037.41	0
037	Zinc (mg / kg (ppm))	510	103.50	3.0000	107.99	8.5387	9.9400	7	-0.53	037.43	0
037	Zinc (mg / kg (ppm))	964	109.79	11.000	107.99	8.5387	9.9400	7	0.21	037.41	0
037	Zinc (mg / kg (ppm))	208	109.90	2.6000	107.99	8.5387	9.9400	7	0.22	037.41	0
037	Zinc (mg / kg (ppm))	555	113.12	12.330	107.99	8.5387	9.9400	7	0.60	037.42	0
037	Zinc (mg / kg (ppm))	964	142.90	31.650	107.99	8.5387	9.9400	7	4.09	037.43	0
038	Molybdenum (mg / kg (ppm))	870	0.37180	0.00900	37.440	3.4720	1.0495	12	-10.68	038.42	0
038	Molybdenum (mg / kg (ppm))	563	31.000	0.00000	37.440	3.4720	1.0495	12	-1.85	038.34	0
038	Molybdenum (mg / kg (ppm))	208	32.600	1.0000	37.440	3.4720	1.0495	12	-1.39	038.41	0
038	Molybdenum (mg / kg (ppm))	510	34.900	0.40000	37.440	3.4720	1.0495	12	-0.73	038.43	0

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038	Molybdenum (mg / kg (ppm))	33	36.800	3.0000	37.440	3.4720	1.0495	12	-0.18	038.53	0
038	Molybdenum (mg / kg (ppm))	42	37.850	1.1000	37.440	3.4720	1.0495	12	0.12	038.42	0
038	Molybdenum (mg / kg (ppm))	160	38.250	1.9000	37.440	3.4720	1.0495	12	0.23	038.42	0
038	Molybdenum (mg / kg (ppm))	964	38.809	1.1940	37.440	3.4720	1.0495	12	0.39	038.41	0
038	Molybdenum (mg / kg (ppm))	98	40.115	1.6300	37.440	3.4720	1.0495	12	0.77	038.53	0
038	Molybdenum (mg / kg (ppm))	555	40.225	0.25000	37.440	3.4720	1.0495	12	0.80	038.42	0
038	Molybdenum (mg / kg (ppm))	964	40.570	0.31100	37.440	3.4720	1.0495	12	0.90	038.43	0
038	Molybdenum (mg / kg (ppm))	555	49.900	1.8000	37.440	3.4720	1.0495	12	3.59	038.52	0
038	Molybdenum (mg / kg (ppm))	553	40.800	5.6000	37.440	3.4720	1.0495	12	0.97	038.53	1
040	Barium (mg / kg (ppm))	555	9.4500	0.50000			2.6250	2	-1.03	040.52	0
040	Barium (mg / kg (ppm))	42	11.925	4.7500			2.6250	2	1.03	040.32	0
041	Vanadium (mg / kg (ppm))	870	0.90020	0.03060	90.136	7.3235	3.0558	7	-12.18	041.42	0
041	Vanadium (mg / kg (ppm))	563	75.435	0.45000	90.136	7.3235	3.0558	7	-2.01	041.34	0
041	Vanadium (mg / kg (ppm))	555	87.000	8.0000	90.136	7.3235	3.0558	7	-0.43	041.52	0
041	Vanadium (mg / kg (ppm))	98	92.735	0.61000	90.136	7.3235	3.0558	7	0.35	041.43	0
041	Vanadium (mg / kg (ppm))	160	93.450	3.9000	90.136	7.3235	3.0558	7	0.45	041.42	0
041	Vanadium (mg / kg (ppm))	553	97.550	4.9000	90.136	7.3235	3.0558	7	1.01	041.53	0
041	Vanadium (mg / kg (ppm))	208	97.950	3.5000	90.136	7.3235	3.0558	7	1.07	041.41	0
516	Arsenic, total (mg / kg (ppm))	870	0.22250	0.01600	27.618	2.6812	1.1452	11	-10.22	516.42	0
516	Arsenic, total (mg / kg (ppm))	563	16.110	0.02000	27.618	2.6812	1.1452	11	-4.29	516.00	0
516	Arsenic, total (mg / kg (ppm))	33	25.550	1.5000	27.618	2.6812	1.1452	11	-0.77	516.53	0
516	Arsenic, total (mg / kg (ppm))	160	26.950	2.1000	27.618	2.6812	1.1452	11	-0.25	516.42	0
516	Arsenic, total (mg / kg (ppm))	553	27.150	1.1000	27.618	2.6812	1.1452	11	-0.17	516.53	0
516	Arsenic, total (mg / kg (ppm))	98	27.365	1.6900	27.618	2.6812	1.1452	11	-0.09	516.53	0
516	Arsenic, total (mg / kg (ppm))	208	28.450	0.30000	27.618	2.6812	1.1452	11	0.31	516.52	0
516	Arsenic, total (mg / kg (ppm))	42	29.000	1.6000	27.618	2.6812	1.1452	11	0.52	516.42	0
516	Arsenic, total (mg / kg (ppm))	964	29.874	2.0117	27.618	2.6812	1.1452	11	0.84	516.43	0
516	Arsenic, total (mg / kg (ppm))	555	31.580	0.26000	27.618	2.6812	1.1452	11	1.48	516.42	0
516	Arsenic, total (mg / kg (ppm))	555	34.000	2.0000	27.618	2.6812	1.1452	11	2.38	516.52	0
518	Cadmium (mg / kg (ppm))	870	0.08580	0.00320	8.6575	1.0008	0.29609	11	-8.56	518.42	0
518	Cadmium (mg / kg (ppm))	42	7.2900	0.44000	8.6575	1.0008	0.29609	11	-1.37	518.32	0
518	Cadmium (mg / kg (ppm))	555	8.0000	0.20000	8.6575	1.0008	0.29609	11	-0.66	518.52	0
518	Cadmium (mg / kg (ppm))	160	8.1700	0.42000	8.6575	1.0008	0.29609	11	-0.49	518.42	0
518	Cadmium (mg / kg (ppm))	33	8.2750	0.13000	8.6575	1.0008	0.29609	11	-0.38	518.53	0
518	Cadmium (mg / kg (ppm))	208	8.6900	0.16000	8.6575	1.0008	0.29609	11	0.03	518.31	0
518	Cadmium (mg / kg (ppm))	555	9.3150	0.73000	8.6575	1.0008	0.29609	11	0.66	518.42	0
518	Cadmium (mg / kg (ppm))	98	9.3550	0.27000	8.6575	1.0008	0.29609	11	0.70	518.53	0
518	Cadmium (mg / kg (ppm))	964	9.6278	0.47380	8.6575	1.0008	0.29609	11	0.97	518.43	0
518	Cadmium (mg / kg (ppm))	563	9.6750	0.03000	8.6575	1.0008	0.29609	11	1.02	518.34	0
518	Cadmium (mg / kg (ppm))	553	9.6800	0.40000	8.6575	1.0008	0.29609	11	1.02	518.53	0
520	Chromium (mg / kg (ppm))	870	0.31060	0.01180	33.028	3.1212	1.7699	12	-10.48	520.42	0
520	Chromium (mg / kg (ppm))	208	27.450	0.90000	33.028	3.1212	1.7699	12	-1.79	520.41	0

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			Value	Range	Rob Mean	Horwitz SD	R-bar	# Labs			
520	Chromium (mg / kg (ppm))	563	29.220	0.36000	33.028	3.1212	1.7699	12	-1.22	520.31	0
520	Chromium (mg / kg (ppm))	33	31.300	1.8000	33.028	3.1212	1.7699	12	-0.55	520.53	0
520	Chromium (mg / kg (ppm))	510	32.065	0.45000	33.028	3.1212	1.7699	12	-0.31	520.43	0
520	Chromium (mg / kg (ppm))	555	33.000	2.0000	33.028	3.1212	1.7699	12	-0.01	520.52	0
520	Chromium (mg / kg (ppm))	160	34.100	2.6000	33.028	3.1212	1.7699	12	0.34	520.42	0
520	Chromium (mg / kg (ppm))	42	34.500	3.8000	33.028	3.1212	1.7699	12	0.47	520.32	0
520	Chromium (mg / kg (ppm))	227	35.000	4.0000	33.028	3.1212	1.7699	12	0.63	520.31	0
520	Chromium (mg / kg (ppm))	98	35.700	1.2000	33.028	3.1212	1.7699	12	0.86	520.43	0
520	Chromium (mg / kg (ppm))	964	36.992	1.6169	33.028	3.1212	1.7699	12	1.27	520.43	0
520	Chromium (mg / kg (ppm))	553	37.150	2.5000	33.028	3.1212	1.7699	12	1.32	520.53	0
526	Lead (mg / kg (ppm))	870	0.75245	0.02110	86.044	7.0401	3.6827	10	-12.12	526.42	0
526	Lead (mg / kg (ppm))	563	7.4250	0.39000	86.044	7.0401	3.6827	10	-11.17	526.34	0
526	Lead (mg / kg (ppm))	160	80.250	3.9000	86.044	7.0401	3.6827	10	-0.82	526.42	0
526	Lead (mg / kg (ppm))	42	82.800	3.4000	86.044	7.0401	3.6827	10	-0.46	526.32	0
526	Lead (mg / kg (ppm))	33	83.400	10.800	86.044	7.0401	3.6827	10	-0.38	526.53	0
526	Lead (mg / kg (ppm))	98	89.450	0.70000	86.044	7.0401	3.6827	10	0.48	526.53	0
526	Lead (mg / kg (ppm))	964	95.385	0.11570	86.044	7.0401	3.6827	10	1.33	526.43	0
526	Lead (mg / kg (ppm))	553	95.600	10.800	86.044	7.0401	3.6827	10	1.36	526.53	0
526	Lead (mg / kg (ppm))	208	97.050	2.7000	86.044	7.0401	3.6827	10	1.56	526.31	0
526	Lead (mg / kg (ppm))	555	104.00	4.0000	86.044	7.0401	3.6827	10	2.55	526.52	0
529	Mercury (µg / kg (ppb))	0553	0.54150	0.05100	510.81	90.406	6.2987	7	-5.64	529.99	0
529	Mercury (µg / kg (ppb))	0555	0.73000	0.04000	510.81	90.406	6.2987	7	-5.64	529.99	0
529	Mercury (µg / kg (ppb))	0563	65.000	4.0000	510.81	90.406	6.2987	7	-4.93	529.99	0
529	Mercury (µg / kg (ppb))	0160	279.50	3.0000	510.81	90.406	6.2987	7	-2.56	529.00	0
529	Mercury (µg / kg (ppb))	0033	410.50	21.000	510.81	90.406	6.2987	7	-1.11	529.99	0
529	Mercury (µg / kg (ppb))	0098	455.00	10.000	510.81	90.406	6.2987	7	-0.62	529.00	0
529	Mercury (µg / kg (ppb))	0208	480.00	6.0000	510.81	90.406	6.2987	7	-0.34	529.99	0
539	Nickel (mg / kg (ppm))	870	0.91540	0.03680	107.35	8.4957	7.2971	8	-12.53	539.42	0
539	Nickel (mg / kg (ppm))	42	103.50	3.0000	107.35	8.4957	7.2971	8	-0.45	539.32	0
539	Nickel (mg / kg (ppm))	160	107.00	2.0000	107.35	8.4957	7.2971	8	-0.04	539.42	0
539	Nickel (mg / kg (ppm))	553	107.40	21.200	107.35	8.4957	7.2971	8	0.01	539.53	0
539	Nickel (mg / kg (ppm))	964	107.50	14.140	107.35	8.4957	7.2971	8	0.02	539.43	0
539	Nickel (mg / kg (ppm))	208	108.50	1.0000	107.35	8.4957	7.2971	8	0.14	539.41	0
539	Nickel (mg / kg (ppm))	98	109.50	3.0000	107.35	8.4957	7.2971	8	0.25	539.53	0
539	Nickel (mg / kg (ppm))	555	111.00	14.000	107.35	8.4957	7.2971	8	0.43	539.52	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 and 8 = Analyst data exempt. Robust statistics not used if < 6 labs reporting, in this case the Z Scores are included for information only (Grey, No Action!). Flag 9 indicates no statistics calculated for this dataset. To review the problem please see all submitted data for this test. Blue values derived from calculated Spike