



Proficiency Testing

Sample # 201552

Rice

All Tests Report
Minerals Program

Labs Reporting: 14

Issue Date : 07/31/2015

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			
001	Loss on Drying (%)	0510	11.850	0.10000			0.10000	1			0
011	Loss on Drying (%)	0510	12.750	0.10000			0.10000	1			0
015	Aluminum (mg / kg (ppm))	0186	2.2500	0.10000			0.30350	2	-4.91	015.42	0
015	Aluminum (mg / kg (ppm))	0870	9.1265	0.50700			0.30350	2	4.91	015.42	0
015	Aluminum (mg / kg (ppm))	0021	0.00000	0.00000			0.30350	2	-8.12	015.43	4
015	Aluminum (mg / kg (ppm))	0098	0.00000	0.00000			0.30350	2	-8.12	015.43	4
017	Boron (mg / kg (ppm))	0870	352.69	5.8300	393.52	25.613	29.126	5	-1.39	017.42	0
017	Boron (mg / kg (ppm))	0208	365.50	123.00	393.52	25.613	29.126	5	-0.89	017.44	0
017	Boron (mg / kg (ppm))	0098	396.40	6.8000	393.52	25.613	29.126	5	0.34	017.43	0
017	Boron (mg / kg (ppm))	0510	411.00	0.00000	393.52	25.613	29.126	5	0.91	017.43	0
017	Boron (mg / kg (ppm))	0186	414.00	10.000	393.52	25.613	29.126	5	1.03	017.42	0
019	Calcium (%)	0504	0.00850	0.00040	0.00908	0.00074	0.00092	5	-0.79	019.32	0
019	Calcium (%)	0504	0.00850	0.00100	0.00908	0.00074	0.00092	5	-0.79	019.42	0
019	Calcium (%)	0964	0.00910	0.00180	0.00908	0.00074	0.00092	5	0.03	019.43	0
019	Calcium (%)	0555	0.00930	0.00140	0.00908	0.00074	0.00092	5	0.30	019.42	0
019	Calcium (%)	0510	0.01000	0.00000	0.00908	0.00074	0.00092	5	1.25	019.43	0
019	Calcium (%)	0208	0.02600	0.02600	0.00908	0.00074	0.00092	5	22.96	019.41	1
021	Cobalt (mg / kg (ppm))	0563	3.0900	0.18000	4.9510	0.62255	0.17954	10	-2.99	021.31	0
021	Cobalt (mg / kg (ppm))	2101	4.4570	0.08800	4.9510	0.62255	0.17954	10	-0.79	021.42	0
021	Cobalt (mg / kg (ppm))	0870	4.5270	0.24600	4.9510	0.62255	0.17954	10	-0.68	021.42	0
021	Cobalt (mg / kg (ppm))	0227	4.6500	0.10000	4.9510	0.62255	0.17954	10	-0.48	021.31	0
021	Cobalt (mg / kg (ppm))	0098	5.0270	0.04400	4.9510	0.62255	0.17954	10	0.12	021.43	0
021	Cobalt (mg / kg (ppm))	0555	5.1500	0.50000	4.9510	0.62255	0.17954	10	0.32	021.52	0
021	Cobalt (mg / kg (ppm))	0510	5.1600	0.06000	4.9510	0.62255	0.17954	10	0.34	021.43	0
021	Cobalt (mg / kg (ppm))	0033	5.3500	0.08000	4.9510	0.62255	0.17954	10	0.64	021.53	0
021	Cobalt (mg / kg (ppm))	0964	5.4144	0.15740	4.9510	0.62255	0.17954	10	0.74	021.43	0
021	Cobalt (mg / kg (ppm))	0208	5.4400	0.34000	4.9510	0.62255	0.17954	10	0.79	021.31	0
021	Cobalt (mg / kg (ppm))	0021	4.2000	1.2000	4.9510	0.62255	0.17954	10	-1.21	021.43	1
022	Copper (mg / kg (ppm))	0870	204.64	6.6800	221.79	15.736	9.8023	13	-1.09	022.42	0
022	Copper (mg / kg (ppm))	0555	214.50	9.0000	221.79	15.736	9.8023	13	-0.46	022.42	0
022	Copper (mg / kg (ppm))	0964	217.40	29.050	221.79	15.736	9.8023	13	-0.28	022.43	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			
022	Copper (mg / kg (ppm))	0098	217.60	3.2000	221.79	15.736	9.8023	13	-0.27	022.53	0
022	Copper (mg / kg (ppm))	0021	220.00	20.000	221.79	15.736	9.8023	13	-0.11	022.43	0
022	Copper (mg / kg (ppm))	0555	220.50	21.000	221.79	15.736	9.8023	13	-0.08	022.52	0
022	Copper (mg / kg (ppm))	0510	222.00	2.0000	221.79	15.736	9.8023	13	0.01	022.43	0
022	Copper (mg / kg (ppm))	0208	222.15	12.500	221.79	15.736	9.8023	13	0.02	022.41	0
022	Copper (mg / kg (ppm))	0563	224.50	1.0000	221.79	15.736	9.8023	13	0.17	022.31	0
022	Copper (mg / kg (ppm))	0504	225.30	4.0000	221.79	15.736	9.8023	13	0.22	022.32	0
022	Copper (mg / kg (ppm))	0227	225.50	5.0000	221.79	15.736	9.8023	13	0.24	022.41	0
022	Copper (mg / kg (ppm))	0208	230.50	7.0000	221.79	15.736	9.8023	13	0.55	022.31	0
022	Copper (mg / kg (ppm))	0186	250.50	7.0000	221.79	15.736	9.8023	13	1.82	022.42	0
023	Fluorine (mg / kg (ppm))	0208	17.650	1.3000	38.598	3.5630	4.0033	3	-5.88	023.01	0
023	Fluorine (mg / kg (ppm))	0563	35.645	1.7100	38.598	3.5630	4.0033	3	-0.83	023.01	0
023	Fluorine (mg / kg (ppm))	0555	62.500	9.0000	38.598	3.5630	4.0033	3	6.71	023.01	0
024	Iodine (mg / kg (ppm))	0208	455.50	203.00			113.00	2	-1.40	024.99	0
024	Iodine (mg / kg (ppm))	0160	543.50	23.000			113.00	2	1.40	024.52	0
025	Iron (mg / kg (ppm))	0555	7.6500	2.1000	14.372	1.5394	1.6848	8	-4.37	025.42	0
025	Iron (mg / kg (ppm))	0510	12.000	0.00000	14.372	1.5394	1.6848	8	-1.54	025.43	0
025	Iron (mg / kg (ppm))	0555	12.000	2.0000	14.372	1.5394	1.6848	8	-1.54	025.52	0
025	Iron (mg / kg (ppm))	0964	12.010	1.4200	14.372	1.5394	1.6848	8	-1.53	025.43	0
025	Iron (mg / kg (ppm))	0021	13.500	1.0000	14.372	1.5394	1.6848	8	-0.57	025.43	0
025	Iron (mg / kg (ppm))	0504	20.505	4.4500	14.372	1.5394	1.6848	8	3.98	025.32	0
025	Iron (mg / kg (ppm))	2101	22.801	1.5080	14.372	1.5394	1.6848	8	5.48	025.42	0
025	Iron (mg / kg (ppm))	0186	27.500	1.0000	14.372	1.5394	1.6848	8	8.53	025.42	0
025	Iron (mg / kg (ppm))	0208	26.885	17.910	14.372	1.5394	1.6848	8	8.13	025.41	1
027	Magnesium (%)	0964	0.10920	0.01340	0.11350	0.00630	0.00592	5	-0.68	027.43	0
027	Magnesium (%)	0510	0.11000	0.00000	0.11350	0.00630	0.00592	5	-0.56	027.43	0
027	Magnesium (%)	0021	0.11500	0.01000	0.11350	0.00630	0.00592	5	0.24	027.43	0
027	Magnesium (%)	0504	0.11630	0.00020	0.11350	0.00630	0.00592	5	0.44	027.32	0
027	Magnesium (%)	0208	0.11700	0.00600	0.11350	0.00630	0.00592	5	0.56	027.41	0
027	Magnesium (%)	0555	0.61685	1.0105	0.11350	0.00630	0.00592	5	79.91	027.42	1
028	Manganese (mg / kg (ppm))	0555	30.000	2.0000	32.494	3.0783	2.8319	8	-0.81	028.42	0
028	Manganese (mg / kg (ppm))	0555	30.000	2.0000	32.494	3.0783	2.8319	8	-0.81	028.52	0
028	Manganese (mg / kg (ppm))	0510	31.000	0.00000	32.494	3.0783	2.8319	8	-0.49	028.43	0
028	Manganese (mg / kg (ppm))	0964	31.888	2.4850	32.494	3.0783	2.8319	8	-0.20	028.43	0
028	Manganese (mg / kg (ppm))	0504	31.945	0.87000	32.494	3.0783	2.8319	8	-0.18	028.32	0
028	Manganese (mg / kg (ppm))	0021	33.500	3.0000	32.494	3.0783	2.8319	8	0.33	028.43	0
028	Manganese (mg / kg (ppm))	0208	37.280	8.3000	32.494	3.0783	2.8319	8	1.55	028.41	0
028	Manganese (mg / kg (ppm))	0186	38.000	4.0000	32.494	3.0783	2.8319	8	1.79	028.42	0
031	Phosphorus (%)	0555	0.31380	0.00740	0.32923	0.01556	0.01159	7	-0.99	031.42	0
031	Phosphorus (%)	0504	0.31800	0.00800	0.32923	0.01556	0.01159	7	-0.72	031.42	0
031	Phosphorus (%)	0964	0.31975	0.03370	0.32923	0.01556	0.01159	7	-0.61	031.43	0
031	Phosphorus (%)	0227	0.32600	0.00200	0.32923	0.01556	0.01159	7	-0.21	031.41	0

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031	Phosphorus (%)	0021	0.33500	0.01000	0.32923	0.01556	0.01159	7	0.37	031.43	0
031	Phosphorus (%)	0510	0.35000	0.00000	0.32923	0.01556	0.01159	7	1.33	031.43	0
031	Phosphorus (%)	0208	0.35300	0.02000	0.32923	0.01556	0.01159	7	1.53	031.41	0
032	Potassium (%)	0510	0.24000	0.00000	0.26351	0.01288	0.01396	8	-1.82	032.43	0
032	Potassium (%)	0504	0.25650	0.00100	0.26351	0.01288	0.01396	8	-0.54	032.42	0
032	Potassium (%)	0227	0.26000	0.00200	0.26351	0.01288	0.01396	8	-0.27	032.41	0
032	Potassium (%)	0964	0.26120	0.03540	0.26351	0.01288	0.01396	8	-0.18	032.43	0
032	Potassium (%)	0021	0.26500	0.03000	0.26351	0.01288	0.01396	8	0.12	032.43	0
032	Potassium (%)	0208	0.26900	0.01200	0.26351	0.01288	0.01396	8	0.43	032.41	0
032	Potassium (%)	0555	0.27065	0.03030	0.26351	0.01288	0.01396	8	0.55	032.42	0
032	Potassium (%)	0186	0.27650	0.00100	0.26351	0.01288	0.01396	8	1.01	032.42	0
033	Salt as chloride (%)	0227	0.16000	0.00000			0.00000	2	-2.15	033.01	0
033	Salt as chloride (%)	0510	0.20000	0.00000			0.00000	2	2.15	033.01	0
034	Selenium (mg / kg (ppm))	0021	3.6000	0.00000	4.5063	0.57471	0.15655	11	-1.58	034.43	0
034	Selenium (mg / kg (ppm))	0563	4.2750	0.01000	4.5063	0.57471	0.15655	11	-0.40	034.04	0
034	Selenium (mg / kg (ppm))	0870	4.2885	0.07300	4.5063	0.57471	0.15655	11	-0.38	034.42	0
034	Selenium (mg / kg (ppm))	0555	4.3500	0.30000	4.5063	0.57471	0.15655	11	-0.27	034.99	0
034	Selenium (mg / kg (ppm))	0033	4.3850	0.01000	4.5063	0.57471	0.15655	11	-0.21	034.53	0
034	Selenium (mg / kg (ppm))	0964	4.4909	0.03800	4.5063	0.57471	0.15655	11	-0.03	034.43	0
034	Selenium (mg / kg (ppm))	0555	4.5000	0.40000	4.5063	0.57471	0.15655	11	-0.01	034.52	0
034	Selenium (mg / kg (ppm))	0227	4.5650	0.07000	4.5063	0.57471	0.15655	11	0.10	034.04	0
034	Selenium (mg / kg (ppm))	0098	4.7920	0.19400	4.5063	0.57471	0.15655	11	0.50	034.53	0
034	Selenium (mg / kg (ppm))	0208	5.0750	0.23000	4.5063	0.57471	0.15655	11	0.99	034.52	0
034	Selenium (mg / kg (ppm))	2101	6.2185	0.39700	4.5063	0.57471	0.15655	11	2.98	034.42	0
035	Sodium (%)	0510	0.01500	0.00000	0.01765	0.00130	0.00060	6	-2.04	035.43	0
035	Sodium (%)	0964	0.01640	0.00080	0.01765	0.00130	0.00060	6	-0.96	035.43	0
035	Sodium (%)	0504	0.01700	0.00000	0.01765	0.00130	0.00060	6	-0.50	035.42	0
035	Sodium (%)	0186	0.01845	0.00010	0.01765	0.00130	0.00060	6	0.62	035.42	0
035	Sodium (%)	0555	0.01935	0.00250	0.01765	0.00130	0.00060	6	1.31	035.42	0
035	Sodium (%)	0227	0.01970	0.00020	0.01765	0.00130	0.00060	6	1.58	035.41	0
035	Sodium (%)	0208	0.03050	0.01100	0.01765	0.00130	0.00060	6	9.91	035.41	1
035	Sodium (%)	0021	0.00000	0.00000	0.01765	0.00130	0.00060	6	-13.62	035.43	4
036	Sulfur (%)	0870	0.09545	0.00070	0.11218	0.00624	0.00256	9	-2.68	036.42	0
036	Sulfur (%)	0555	0.10565	0.00430	0.11218	0.00624	0.00256	9	-1.05	036.42	0
036	Sulfur (%)	0098	0.10750	0.00100	0.11218	0.00624	0.00256	9	-0.75	036.43	0
036	Sulfur (%)	0160	0.11000	0.00000	0.11218	0.00624	0.00256	9	-0.35	036.42	0
036	Sulfur (%)	0186	0.11205	0.00030	0.11218	0.00624	0.00256	9	-0.02	036.42	0
036	Sulfur (%)	0021	0.11500	0.01000	0.11218	0.00624	0.00256	9	0.45	036.43	0
036	Sulfur (%)	0964	0.11535	0.00170	0.11218	0.00624	0.00256	9	0.51	036.43	0
036	Sulfur (%)	0510	0.12000	0.00000	0.11218	0.00624	0.00256	9	1.25	036.43	0
036	Sulfur (%)	2101	0.12250	0.00500	0.11218	0.00624	0.00256	9	1.65	036.42	0
037	Zinc (mg / kg (ppm))	0555	20.150	3.7000	22.477	2.2508	1.8000	7	-1.03	037.52	0

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037	Zinc (mg / kg (ppm))	0504	21.440	1.8200	22.477	2.2508	1.8000	7	-0.46	037.32	0
037	Zinc (mg / kg (ppm))	0555	21.500	3.0000	22.477	2.2508	1.8000	7	-0.43	037.42	0
037	Zinc (mg / kg (ppm))	0227	22.500	1.0000	22.477	2.2508	1.8000	7	0.01	037.41	0
037	Zinc (mg / kg (ppm))	0964	22.750	1.0800	22.477	2.2508	1.8000	7	0.12	037.43	0
037	Zinc (mg / kg (ppm))	0021	24.500	1.0000	22.477	2.2508	1.8000	7	0.90	037.43	0
037	Zinc (mg / kg (ppm))	0510	24.500	1.0000	22.477	2.2508	1.8000	7	0.90	037.43	0
037	Zinc (mg / kg (ppm))	0208	29.955	10.690	22.477	2.2508	1.8000	7	3.32	037.41	1
038	Molybdenum (mg / kg (ppm))	0563	155.00	0.00000	259.40	17.976	5.0880	10	-5.81	038.34	0
038	Molybdenum (mg / kg (ppm))	0555	234.00	28.000	259.40	17.976	5.0880	10	-1.41	038.42	0
038	Molybdenum (mg / kg (ppm))	0870	235.75	1.5000	259.40	17.976	5.0880	10	-1.32	038.42	0
038	Molybdenum (mg / kg (ppm))	0033	243.50	1.0000	259.40	17.976	5.0880	10	-0.88	038.53	0
038	Molybdenum (mg / kg (ppm))	0510	261.90	0.40000	259.40	17.976	5.0880	10	0.14	038.43	0
038	Molybdenum (mg / kg (ppm))	0964	267.79	2.0800	259.40	17.976	5.0880	10	0.47	038.43	0
038	Molybdenum (mg / kg (ppm))	0021	270.00	0.00000	259.40	17.976	5.0880	10	0.59	038.43	0
038	Molybdenum (mg / kg (ppm))	0208	273.50	5.0000	259.40	17.976	5.0880	10	0.78	038.41	0
038	Molybdenum (mg / kg (ppm))	0098	274.75	2.9000	259.40	17.976	5.0880	10	0.85	038.53	0
038	Molybdenum (mg / kg (ppm))	0555	275.00	10.000	259.40	17.976	5.0880	10	0.87	038.52	0
038	Molybdenum (mg / kg (ppm))	2101	2,717.2	132.00	259.40	17.976	5.0880	10	136.72	038.42	2
040	Barium (mg / kg (ppm))	0555	0.35000	0.10000			0.10000	1			0
041	Vanadium (mg / kg (ppm))	0021	4.7000	2.4000	6.0286	0.73591	0.75240	6	-1.81	041.43	0
041	Vanadium (mg / kg (ppm))	0563	5.5200	0.24000	6.0286	0.73591	0.75240	6	-0.69	041.34	0
041	Vanadium (mg / kg (ppm))	0870	5.7048	0.31840	6.0286	0.73591	0.75240	6	-0.44	041.42	0
041	Vanadium (mg / kg (ppm))	2101	6.3290	0.13000	6.0286	0.73591	0.75240	6	0.41	041.42	0
041	Vanadium (mg / kg (ppm))	0555	6.6500	0.70000	6.0286	0.73591	0.75240	6	0.84	041.52	0
041	Vanadium (mg / kg (ppm))	0098	7.2080	0.72600	6.0286	0.73591	0.75240	6	1.60	041.43	0
130	L-Lysine (%)	0563	0.32020	0.01120			0.01120	1			0
131	Methionine (%)	0563	0.19375	0.00470			0.00470	1			0
135	Threonine (%)	0563	0.22570	0.00940			0.00940	1			0
516	Arsenic, total (mg / kg (ppm))	0555	7.9250	1.9500	8.9799	1.0324	0.68600	12	-1.02	516.42	0
516	Arsenic, total (mg / kg (ppm))	2101	8.4955	0.25900	8.9799	1.0324	0.68600	12	-0.47	516.42	0
516	Arsenic, total (mg / kg (ppm))	0186	8.5000	1.6000	8.9799	1.0324	0.68600	12	-0.46	516.42	0
516	Arsenic, total (mg / kg (ppm))	0227	8.7000	0.34000	8.9799	1.0324	0.68600	12	-0.27	516.53	0
516	Arsenic, total (mg / kg (ppm))	0033	8.7100	0.28000	8.9799	1.0324	0.68600	12	-0.26	516.53	0
516	Arsenic, total (mg / kg (ppm))	0555	8.8500	0.50000	8.9799	1.0324	0.68600	12	-0.13	516.52	0
516	Arsenic, total (mg / kg (ppm))	0964	8.9706	0.94310	8.9799	1.0324	0.68600	12	-0.01	516.43	0
516	Arsenic, total (mg / kg (ppm))	0098	9.0970	0.00200	8.9799	1.0324	0.68600	12	0.11	516.53	0
516	Arsenic, total (mg / kg (ppm))	0870	9.3235	0.27090	8.9799	1.0324	0.68600	12	0.33	516.42	0
516	Arsenic, total (mg / kg (ppm))	0021	9.4000	1.2000	8.9799	1.0324	0.68600	12	0.41	516.43	0
516	Arsenic, total (mg / kg (ppm))	0208	9.8450	0.27000	8.9799	1.0324	0.68600	12	0.84	516.52	0
516	Arsenic, total (mg / kg (ppm))	0563	19.827	0.61700	8.9799	1.0324	0.68600	12	10.51	516.00	0
518	Cadmium (mg / kg (ppm))	0021	2.1500	0.10000	2.5697	0.35664	0.07999	11	-1.18	518.43	0
518	Cadmium (mg / kg (ppm))	0563	2.3150	0.13000	2.5697	0.35664	0.07999	11	-0.71	518.34	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Labs			
518	Cadmium (mg / kg (ppm))	0870	2.4067	0.01540	2.5697	0.35664	0.07999	11	-0.46	518.42	0
518	Cadmium (mg / kg (ppm))	0033	2.4800	0.02000	2.5697	0.35664	0.07999	11	-0.25	518.53	0
518	Cadmium (mg / kg (ppm))	0208	2.5900	0.08000	2.5697	0.35664	0.07999	11	0.06	518.31	0
518	Cadmium (mg / kg (ppm))	0227	2.6050	0.01000	2.5697	0.35664	0.07999	11	0.10	518.53	0
518	Cadmium (mg / kg (ppm))	0098	2.6200	0.08000	2.5697	0.35664	0.07999	11	0.14	518.53	0
518	Cadmium (mg / kg (ppm))	2101	2.6325	0.06500	2.5697	0.35664	0.07999	11	0.18	518.42	0
518	Cadmium (mg / kg (ppm))	0555	2.6500	0.30000	2.5697	0.35664	0.07999	11	0.23	518.52	0
518	Cadmium (mg / kg (ppm))	0964	2.7014	0.07950	2.5697	0.35664	0.07999	11	0.37	518.43	0
518	Cadmium (mg / kg (ppm))	0186	2.8000	0.00000	2.5697	0.35664	0.07999	11	0.65	518.42	0
518	Cadmium (mg / kg (ppm))	0555	2.3500	0.50000	2.5697	0.35664	0.07999	11	-0.62	518.42	1
520	Chromium (mg / kg (ppm))	0563	113.60	6.0000	127.99	9.8648	3.9102	12	-1.46	520.31	0
520	Chromium (mg / kg (ppm))	0870	115.13	1.0500	127.99	9.8648	3.9102	12	-1.30	520.42	0
520	Chromium (mg / kg (ppm))	0227	124.00	8.0000	127.99	9.8648	3.9102	12	-0.40	520.31	0
520	Chromium (mg / kg (ppm))	2101	124.55	2.7020	127.99	9.8648	3.9102	12	-0.35	520.42	0
520	Chromium (mg / kg (ppm))	0555	125.00	10.000	127.99	9.8648	3.9102	12	-0.30	520.52	0
520	Chromium (mg / kg (ppm))	0208	128.00	0.00000	127.99	9.8648	3.9102	12	0.00	520.41	0
520	Chromium (mg / kg (ppm))	0021	130.00	0.00000	127.99	9.8648	3.9102	12	0.20	520.43	0
520	Chromium (mg / kg (ppm))	0033	130.00	6.0000	127.99	9.8648	3.9102	12	0.20	520.53	0
520	Chromium (mg / kg (ppm))	0964	130.74	1.0700	127.99	9.8648	3.9102	12	0.28	520.43	0
520	Chromium (mg / kg (ppm))	0510	131.45	0.10000	127.99	9.8648	3.9102	12	0.35	520.43	0
520	Chromium (mg / kg (ppm))	0186	135.50	3.0000	127.99	9.8648	3.9102	12	0.76	520.42	0
520	Chromium (mg / kg (ppm))	0098	137.50	9.0000	127.99	9.8648	3.9102	12	0.96	520.43	0
526	Lead (mg / kg (ppm))	0870	145.98	4.9500	170.53	12.587	5.7590	9	-1.95	526.42	0
526	Lead (mg / kg (ppm))	0555	158.00	16.000	170.53	12.587	5.7590	9	-1.00	526.52	0
526	Lead (mg / kg (ppm))	0033	159.00	2.0000	170.53	12.587	5.7590	9	-0.92	526.53	0
526	Lead (mg / kg (ppm))	0964	167.72	16.500	170.53	12.587	5.7590	9	-0.22	526.43	0
526	Lead (mg / kg (ppm))	0227	174.00	0.00000	170.53	12.587	5.7590	9	0.28	526.53	0
526	Lead (mg / kg (ppm))	0186	176.00	0.00000	170.53	12.587	5.7590	9	0.43	526.42	0
526	Lead (mg / kg (ppm))	0563	178.50	3.0000	170.53	12.587	5.7590	9	0.63	526.34	0
526	Lead (mg / kg (ppm))	0098	186.00	4.0000	170.53	12.587	5.7590	9	1.23	526.53	0
526	Lead (mg / kg (ppm))	2101	188.22	5.3810	170.53	12.587	5.7590	9	1.41	526.42	0
526	Lead (mg / kg (ppm))	0208	213.00	60.000	170.53	12.587	5.7590	9	3.37	526.31	1
529	Mercury (µg / kg (ppb))	0555	1.7000	0.00000	2,004.0	288.73	52.740		-6.93	529.99	0
529	Mercury (µg / kg (ppb))	0563	664.45	52.700	2,004.0	288.73	52.740		-4.64	529.99	0
529	Mercury (µg / kg (ppb))	0033	692.50	81.000	2,004.0	288.73	52.740		-4.54	529.99	0
529	Mercury (µg / kg (ppb))	0227	1,715.0	130.00	2,004.0	288.73	52.740		-1.00	529.99	0
529	Mercury (µg / kg (ppb))	0021	1,800.0	0.00000	2,004.0	288.73	52.740		-0.71	529.99	0
529	Mercury (µg / kg (ppb))	0208	1,830.0	360.00	2,004.0	288.73	52.740		-0.60	529.99	1
529	Mercury (µg / kg (ppb))	0098	0.00000	0.00000	2,004.0	288.73	52.740		-6.94	529.00	4
539	Nickel (mg / kg (ppm))	0870	199.63	10.050	221.08	15.694	11.173	7	-1.37	539.42	0
539	Nickel (mg / kg (ppm))	0555	213.00	26.000	221.08	15.694	11.173	7	-0.51	539.52	0
539	Nickel (mg / kg (ppm))	0098	215.50	9.0000	221.08	15.694	11.173	7	-0.36	539.53	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Labs			
539	Nickel (mg / kg (ppm))	0964	223.35	4.1600	221.08	15.694	11.173	7	0.14	539.43	0
539	Nickel (mg / kg (ppm))	0208	224.00	2.0000	221.08	15.694	11.173	7	0.19	539.41	0
539	Nickel (mg / kg (ppm))	0186	231.50	17.000	221.08	15.694	11.173	7	0.66	539.42	0
539	Nickel (mg / kg (ppm))	0021	235.00	10.000	221.08	15.694	11.173	7	0.89	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, 8 = Analyst data exempt and 4 = zeros submitted as values. 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. Values in bold blue are calculated from known spike.