



Analysis # 802: Botanicals Properties

Test Code	Analysis	Units	Samples	Lab Mean	Grand Median	MAD	95% Conf Interval	WithinLab Performance, k	WithinLab Avg STD	Labs Rpt
202	NO3 - N Cd Rd.	mg/kg	SRB1207	150.7	143.2	35.2	41.2 - 245.2	2.44 X	15.4	16
			SRB1208	1,799.3	1,862.0	81.8	1,624.7 - 2,099.3	0.89	75.7	16
			SRB1209	17,695.7	19,620.0	1,100.1	16,429.7 - 22,810.3	0.40	665.1	16
206	PO4 - P	mg/kg	SRB1207	624.7	656.0	80.7	422.1 - 889.9	0.39	21.8	11
			SRB1208	377.0	383.3	70.0	180.3 - 586.3	1.23	15.6	11
			SRB1209	1,630.7	1,630.7	116.0	1,294.3 - 1,967.1	0.09	224.9	11
209	TKN	Percent	SRB1207	2.92	2.77	0.12	2.42 - 3.11	0.74	0.05	9
			SRB1208	0.50	0.59	0.09	0.33 - 0.84	1.32	0.03	9
			SRB1209	2.80	2.90	0.10	2.60 - 3.20	0.68	0.05	9
212	P	Percent	SRB1207	0.13	0.15	0.010	0.12 - 0.18	0.18	0.01	28
			SRB1208	0.049	0.059	0.005	0.044 - 0.073	0.14	0.007	28
			SRB1209	0.27	0.33	0.022	0.26 - 0.39	0.26	0.01	28
213	K	Percent	SRB1207	1.57	1.70	0.10	1.41 - 1.98	0.17	0.06	28
			SRB1208	1.32	1.29	0.07	1.08 - 1.49	0.23	0.09	28
			SRB1209	9.53	9.21	0.62	7.42 - 10.99	0.53	0.29	28
214	Ca	Percent	SRB1207	1.98	2.13	0.10	1.83 - 2.43	0.35	0.07	27
			SRB1208	0.14	0.16	0.017	0.11 - 0.21	0.13	0.02	27
			SRB1209	1.35	1.48	0.08	1.24 - 1.72	0.77	0.05	27
215	Mg	Percent	SRB1207	0.38	0.38	0.020	0.33 - 0.44	0.17	0.01	27
			SRB1208	0.24	0.24	0.016	0.19 - 0.28	0.32	0.02	27
			SRB1209	0.65	0.66	0.037	0.55 - 0.76	0.00	7.48	27
216	S	Percent	SRB1207	0.14	0.17	0.020	0.11 - 0.23	0.51	0.01	27
			SRB1208	0.031	0.040	0.003	0.030 - 0.050	0.01	0.046	26
			SRB1209	0.18	0.22	0.013	0.18 - 0.26	0.14	0.01	27
217	Na	Percent	SRB1207	0.010	0.010	0.005	0.000 - 0.024	0.26	0.007	25
			SRB1208	0.007	0.010	0.003	0.000 - 0.020	0.31	0.002	24
			SRB1209	0.11	0.11	0.007	0.09 - 0.13	0.06	0.01	25
219	B	mg/kg	SRB1207	114.3	117.7	6.67	98.3 - 137.0	0.98	3.8	23
			SRB1208	4.03	4.33	1.83	0.00 - 9.65	0.63	1.48	22
			SRB1209	26.9	28.7	1.79	23.5 - 33.9	1.62	1.5	23
220	Zn	mg/kg	SRB1207	55.0	61.1	5.02	46.5 - 75.6	0.47	2.5	26
			SRB1208	8.56	9.57	1.82	4.28 - 14.85	0.30	0.95	26
			SRB1209	31.7	35.1	2.49	27.9 - 42.3	0.46	2.3	26
221	Mn	mg/kg	SRB1207	110.8	118.3	5.40	102.6 - 133.9	0.09	5.3	27
			SRB1208	4.45	6.33	1.27	2.66 - 10.01	0.22	1.43	25
			SRB1209	64.1	68.5	4.26	56.1 - 80.8	0.61	3.2	27
222	Fe	mg/kg	SRB1207	125.6	142.7	12.3	106.9 - 178.4	0.31	10.9	27
			SRB1208	43.2	39.2	4.87	25.1 - 53.3	1.77	5.0	27
			SRB1209	71.2	91.2	7.80	68.6 - 113.8	0.04	9.0	27
223	Cu	mg/kg	SRB1207	32.7	32.0	2.00	26.2 - 37.8	0.21	1.3	27
			SRB1208	4.24	4.00	0.87	1.49 - 6.51	0.24	0.68	27
			SRB1209	6.38	6.73	0.81	4.39 - 9.07	0.14	0.70	27



Agriculture Laboratory Proficiency (ALP) Program

Performance Analysis Report - Test Cycle 19

CTS Lab Code: U6291A

Laboratory Performance Summary - Botanicals Properties

Performance Review of Laboratory-Sample Biases

z-scores calculated using Lab Median and mean average deviation
 (numbers closer to zero indicate closer agreement with other laboratories and
 scores outside limits in red)

Test Code	Analysis	SRB1207	SRB1208	SRB1209
202	NO3 - N Cd Rd.	0.21	-0.77	-1.75
206	PO4 - P	-0.39	-0.09	0.00
209	TKN	1.28	-0.98	-1.00
212	P	-2.17	-1.93	-2.33
213	K	-1.33	0.43	0.52
214	Ca	-1.47	-0.87	-1.51
215	Mg	-0.22	0.00	-0.17
216	S	-1.65	-2.80	-2.88
217	Na	0.00	-0.80	-0.14
219	B	-0.51	-0.16	-1.00
220	Zn	-1.21	-0.55	-1.36
221	Mn	-1.39	-1.48	-1.04
222	Fe	-1.38	0.82	-2.57
223	Cu	0.34	0.28	-0.44