

- Pass 1 Results for 88 Labs - - Pass 2 Results for 88 Labs -

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Ammoniacal Nitrogen, MgO Distillation	920.03	001.10	3	5.05	0.13	0.05	3	5.05	0.13	0.05
Ammoniacal Nitrogen, Other		001.99	6	5.32	0.11	0.05	6	5.32	0.11	0.05
Method Group 001.XX PCT			9	5.23	0.17	0.05	9	5.23	0.17	0.05
Nitrate Nitrogen, Other		002.99	2	0.09	0.03	0.01	2	0.09	0.03	0.01
Ammon & Nitrate N, Devarda	892.01	009.10	6	5.53	0.25	0.06	6	5.53	0.25	0.06
Total Nitrogen, Modified Comprehensive	978.02	010.11	9	5.28	0.09	0.03	9	5.28	0.09	0.03
Total Nitrogen, Salicylic	955.04D	010.12	4	5.27	0.11	0.12	4	5.27	0.11	0.12
Total Nitrogen, Combustion		010.60	51	5.37	0.13	0.07	48	5.37	0.12	0.06
Total Nitrogen, Other		010.99	4	5.25	0.15	0.05	4	5.25	0.15	0.05
Method Group 010.XX PCT			69	5.34	0.14	0.07	65	5.34	0.13	0.06
Total Phosphate, Grav Quimociac	962.02	020.10	7	20.01	0.11	0.02	6	20.02	0.12	0.01
Total Phosphate, Spectrometric	958.01	020.20	16	20.09	0.23	0.14	15	20.08	0.19	0.09
Total Phosphate, Automated	978.01	020.40	7	20.01	0.25	0.20	7	20.01	0.25	0.20
Total Phosphate, ICP		020.50	9	20.18	0.26	0.18	9	20.18	0.26	0.18
Total Phosphate, Other		020.99	7	20.13	0.47	0.23	7	20.13	0.47	0.23
Method Group 020.XX PCT			48	20.09	0.29	0.16	46	20.08	0.29	0.13
Insoluble Phosphate, Grav Quimociac	963.03C	030.10	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Insoluble Phosphate, Automated	978.01	030.40	1	0.04	0.00	0.00	1	0.04	0.00	0.00
Insoluble Phosphate, ICP		030.50	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Insoluble Phosphate, Other		030.99	1	0.10	0.01	0.01	1	0.10	0.01	0.01
Method Group 030.XX PCT			4	0.04	0.04	0.00	3	0.02	0.01	0.00
InDir Available Phosphate, Grav Quim	960.02	040.10	2	19.91	0.09	0.02	2	19.91	0.09	0.02
InDir Available Phosphate, Automated	960.02	040.40	2	20.00	0.11	0.15	2	20.00	0.11	0.15
InDir Available Phosphate, ICP		040.50	1	20.04	0.17	0.23	1	20.04	0.17	0.23
Method Group 040.XX PCT			5	19.97	0.11	0.11	5	19.97	0.11	0.11
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	11	19.96	0.10	0.06	11	19.96	0.10	0.06
Dir Available Phosphate, Spectrometric	960.03D	041.20	1	19.95	0.07	0.10	1	19.95	0.07	0.10
Dir Available Phosphate, Automated	978.01	041.40	4	19.88	0.19	0.12	4	19.88	0.19	0.12
Dir Available Phosphate, ICP		041.50	8	19.92	0.45	0.22	8	19.92	0.45	0.22
Dir Available Phosphate, EDTA Extract	993.01	041.60	9	20.09	0.24	0.14	9	20.09	0.24	0.14
Dir Available Phosphate, Other		041.99	2	20.23	0.26	0.07	2	20.23	0.26	0.07
Method Group 041.XX PCT			36	20.00	0.28	0.13	34	19.98	0.28	0.11
Water Soluble Phosphate, Spectrometric	970.01	048.20	1	17.86	0.13	0.19	1	17.86	0.13	0.19
Water Soluble Phosphate, ICP		048.50	3	16.86	3.64	0.27	3	16.86	3.64	0.27
Water Soluble Phosphate, Other		048.99	3	16.25	1.53	0.21	3	16.25	1.53	0.21
Method Group 048.XX PCT			7	16.74	2.51	0.23	7	16.74	2.51	0.23
Soluble Potash, STPB Oxalate	958.02	050.00	13	20.40	0.29	0.14	13	20.40	0.29	0.14
Soluble Potash, AA (Oxalate)		050.30	6	20.01	0.58	0.33	6	20.01	0.58	0.33
Soluble Potash, AA (Citrate)		050.31	2	19.56	0.73	0.90	2	19.56	0.73	0.90

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Soluble Potash, ICP (Oxalate)		050.50	9	20.05	0.61	0.35	8	20.10	0.55	0.19
Soluble Potash, ICP (Citrate)		050.51	8	20.64	0.41	0.21	8	20.64	0.41	0.21
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	5	20.23	0.31	0.09	5	20.23	0.31	0.09
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	9	20.74	0.63	0.12	9	20.74	0.63	0.12
Soluble Potash, Other		050.99	21	20.28	0.51	0.22	19	20.24	0.51	0.16
Method Group 050.XX PCT			74	20.30	0.57	0.23	68	20.28	0.52	0.16
Free Water, Vacuum Oven	965.08B	060.00	5	1.31	0.25	0.06	5	1.31	0.25	0.06
Free Water, Karl Fischer	972.01	060.20	1	1.80	0.11	0.16	1	1.80	0.11	0.16
Free Water, Other		060.99	1	2.77	0.25	0.36	1	2.77	0.25	0.36
Method Group 060.XX PCT			7	1.59	0.57	0.11	7	1.59	0.57	0.11
Acid Soluble Calcium, AA	945.04	101.00	1	2.65	0.01	0.01	1	2.65	0.01	0.01
Acid Soluble Calcium, ICP		101.30	17	2.71	0.25	0.06	17	2.71	0.25	0.06
Acid Soluble Calcium, Other		101.99	1	3.09	0.04	0.06	1	3.09	0.04	0.06
Method Group 101.XX PCT			19	2.73	0.25	0.06	18	2.70	0.24	0.05
Acid Soluble Magnesium, AA	984.01	121.00	11	2.30	0.15	0.06	10	2.29	0.15	0.05
Acid Soluble Magnesium, ICP		121.30	36	2.36	0.17	0.05	35	2.37	0.17	0.04
Acid Soluble Magnesium, Other		121.99	3	2.53	0.16	0.00	3	2.53	0.16	0.00
Method Group 121.XX PCT			50	2.35	0.18	0.05	48	2.36	0.17	0.04
Water Soluble Magnesium, AA		131.00	1	1.78	0.10	0.14	1	1.78	0.10	0.14
Water Soluble Magnesium, ICP		131.30	4	1.87	0.19	0.02	4	1.87	0.19	0.02
Water Soluble Magnesium, Other		131.99	1	1.78	0.01	0.02	1	1.78	0.01	0.02
Method Group 131.XX PCT			6	1.84	0.16	0.04	6	1.84	0.16	0.04
Sulfur, Gravimetric	980.02a	144.01	12	7.52	0.27	0.09	12	7.52	0.27	0.09
Sulfur, Gravimetric	980.02b	144.02	1	6.77	0.01	0.01	1	6.77	0.01	0.01
Sulfur, Turbidimetric	63.845	144.50	1	7.50	0.02	0.03	1	7.50	0.02	0.03
Sulfur, Spectrometric		144.70	1	8.15	0.16	0.22	1	8.15	0.16	0.22
Sulfur, Other		144.99	25	7.39	0.44	0.13	23	7.42	0.43	0.08
Method Group 144.XX PCT			41	7.41	0.45	0.11	39	7.42	0.44	0.08
Arsenic, Atomic Absorption		151.00	1	3.60	0.28	0.40	1	3.60	0.28	0.40
Arsenic, ICP		151.30	6	3.51	0.73	0.49	6	3.51	0.73	0.49
Arsenic, Other		151.99	1	4.07	0.01	0.02	1	4.07	0.01	0.02
Method Group 151.XX PPM			8	3.59	0.66	0.42	8	3.59	0.66	0.42
Acid Soluble Boron, Spectrometric	982.01	165.00	8	0.286	0.018	0.008	8	0.286	0.018	0.008
Acid Soluble Boron, Other		165.99	26	0.299	0.015	0.007	26	0.299	0.015	0.007
Method Group 165.XX PCT			34	0.296	0.017	0.007	34	0.296	0.017	0.007
Water Soluble Boron, Other		171.99	5	0.256	0.069	0.024	5	0.256	0.069	0.024
Cadmium, Atomic Absorption		181.00	1	28.00	1.41	2.00	1	28.00	1.41	2.00
Cadmium, ICP		181.30	14	25.86	3.16	0.92	14	25.86	3.16	0.92
Cadmium, Other		181.99	1	27.86	0.59	0.84	1	27.86	0.59	0.84

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Method Group 181.XX PPM			16	26.12	3.05	0.98	16	26.12	3.05	0.98
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	2	11.41	0.87	0.15	2	11.41	0.87	0.15
Chromium, ICP		191.30	11	104.10	14.88	3.06	10	101.52	12.67	1.77
Chromium, Other		191.99	1	77.59	1.15	1.62	1	77.59	1.15	1.62
Method Group 191.XX PPM			12	101.90	16.07	2.94	11	99.34	13.96	1.75
Acid Soluble Cobalt, AA		202.00	1	3.50	0.71	1.00	1	3.50	0.71	1.00
Acid Soluble Cobalt, ICP	965.11	202.30	11	3.99	0.77	0.27	10	3.85	0.64	0.20
Acid Soluble Cobalt, Other		202.99	1	2.64	0.02	0.03	1	2.64	0.02	0.03
Method Group 202.XX PPM			13	3.85	0.82	0.31	13	3.85	0.82	0.31
Acid Soluble Copper, Atomic Absorption	975.01	221.00	5	0.0040	0.0004	0.0003	5	0.0040	0.0004	0.0003
Acid Soluble Copper, ICP		221.30	16	0.0040	0.0006	0.0002	15	0.0039	0.0005	0.0002
Acid Soluble Copper, Other		221.99	2	0.0037	0.0001	0.0001	2	0.0037	0.0001	0.0001
Method Group 221.XX PCT			23	0.0039	0.0006	0.0002	21	0.0039	0.0004	0.0002
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	10	0.59	0.05	0.02	10	0.59	0.05	0.02
Acid Soluble Iron, ICP		241.30	38	0.60	0.06	0.01	36	0.60	0.05	0.01
Acid Soluble Iron, Other		241.99	1	0.59	0.01	0.01	1	0.59	0.01	0.01
Method Group 241.XX PCT			49	0.60	0.06	0.01	46	0.60	0.05	0.01
Lead, ICP		251.30	8	5.01	2.95	0.29	7	5.23	3.09	0.19
Lead, Other		251.99	1	3.56	0.06	0.08	1	3.56	0.06	0.08
Method Group 251.XX PPM			9	4.85	2.81	0.27	8	5.02	2.94	0.17
Acid Soluble Manganese, AA	972.02a	261.00	6	0.014	0.003	0.003	6	0.014	0.003	0.003
Acid Soluble Manganese, ICP	972.02a	261.30	25	0.016	0.003	0.002	23	0.016	0.003	0.001
Acid Soluble Manganese, ICP	972.02b	261.31	2	0.014	0.003	0.001	2	0.014	0.003	0.001
Acid Soluble Manganese, Other		261.99	3	0.018	0.003	0.000	3	0.018	0.003	0.000
Method Group 261.XX PCT			36	0.016	0.003	0.002	33	0.016	0.003	0.001
Water Soluble Manganese, ICP	972.03	271.30	2	0.074	0.082	0.005	2	0.074	0.082	0.005
Mercury, Atomic Absorption		281.00	1	0.02	0.00	0.01	1	0.02	0.00	0.01
Mercury, ICP		281.30	2	0.23	0.26	0.00	2	0.23	0.26	0.00
Mercury, Other		281.99	1	0.04	0.00	0.01	1	0.04	0.00	0.01
Method Group 281.XX PPM			4	0.13	0.20	0.00	4	0.13	0.20	0.00
Molybdenum, ICP		289.30	12	6.53	0.59	0.54	11	6.54	0.53	0.39
Molybdenum, Other		289.99	2	7.40	0.78	0.25	2	7.40	0.78	0.25
Method Group 289.XX PPM			14	6.65	0.68	0.50	13	6.67	0.64	0.37
Nickel, Atomic Absorption		291.00	1	25.00	1.41	2.00	1	25.00	1.41	2.00
Nickel, ICP		291.30	13	18.94	2.89	0.81	12	18.81	2.89	0.46
Nickel, Other		291.99	1	11.92	0.76	1.08	1	11.92	0.76	1.08
Method Group 291.XX PPM			15	18.88	3.64	0.91	14	18.76	3.68	0.62
Selenium, ICP		301.30	2	0.19	0.22	0.00	2	0.19	0.22	0.00
Selenium, Other		301.99	1	2.40	0.12	0.17	1	2.40	0.12	0.17

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Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Method Group 301.XX PPM			3	0.92	1.15	0.06	3	0.92	1.15	0.06
Sodium, Flame Photometric	974.01	311.30	1	0.50	0.02	0.03	1	0.50	0.02	0.03
Sodium, Other		311.99	7	0.50	0.03	0.01	7	0.50	0.03	0.01
Method Group 311.XX PCT			8	0.50	0.03	0.01	8	0.50	0.03	0.01
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	13	0.538	0.025	0.012	13	0.538	0.025	0.012
Acid Soluble Zinc, ICP		321.30	37	0.546	0.037	0.014	36	0.546	0.036	0.012
Acid Soluble Zinc, Other		321.99	4	0.555	0.036	0.015	4	0.555	0.036	0.015
Method Group 321.XX PCT			54	0.545	0.034	0.014	52	0.543	0.031	0.012
Water Soluble Zinc, ICP		325.30	2	0.325	0.285	0.050	2	0.325	0.285	0.050
Water Soluble Zinc, Other		325.99	2	0.505	0.014	0.012	2	0.505	0.014	0.012
Method Group 325.XX PCT			4	0.415	0.210	0.031	4	0.415	0.210	0.031

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT			Meth: 009.10 PCT			Meth: 010.60 PCT			Meth: 010.60 PCT			Meth: 010.XX PCT		
Ammoniacal Nitrogen			Ammon & Nitrate N			Total Nitrogen			Total Nitrogen			Total Nitrogen		
<u>MgO Distillation</u>			<u>Devarda</u>			<u>Combustion</u>			<u>Combustion</u>					
232	5.14	.73	258	5.95	1.68	389	5.63	2.09	426	5.31	-.72	422	5.44	.95
456	5.11	.64	257	5.72	.78	102	5.43 R	1.49	390	5.28	-.75	443	5.45	.94
Avg	5.05		Avg	5.53		402	5.55	1.48	034	5.27	-.76	007	5.40	.91
420	4.89	-1.25	090	5.48	-.24	351	5.55	1.45	405	5.26	-.92	105	5.44	.87
			169	5.45 X	-.33	255	5.53	1.36	027	5.25	-.94	360	5.42	.66
			477	5.33	-.78	095	5.54	1.36	234	5.27	-.97	233	5.36	.59
Meth: 001.99 PCT			393 5.24 -1.14			296 5.53 1.32			230 5.23 -1.15			096 5.40 .56		
Ammoniacal Nitrogen						419 5.48 .95			368 5.32 R -1.25			041 5.40 .52		
<u>Other</u>			Meth: 010.11 PCT			007 5.40 .85			023 5.22 -1.41			055 5.37 .47		
137	5.44	1.11	Total Nitrogen			422 5.44 .82			472 5.18 -1.49			330 5.40 .46		
471	5.37	.73	<u>Modified Comprehensive</u>			443 5.45 .78			393 5.18 -1.50			450 5.40 .46		
460	5.35	.54	309	5.37	1.07	360	5.42	.49	157	5.15	-1.86	444	5.36	.42
477	5.34	.20	473	5.34	.84	096	5.40	.42	325	5.12	-1.99	455	5.35	.40
Avg	5.32		114	5.35	.78	029	5.41	.42	307	4.89 s	-3.84	377	5.39	.35
096	5.31	-.20	474	5.35	.78	041	5.40	.36				354	5.39	.35
393	5.13	-1.83	260	5.34	.67	330	5.40	.27	Meth: 010.99 PCT			131	5.37	.33
			Avg	5.28		450	5.40	.27	Total Nitrogen			231	5.38	.32
Meth: 001.XX PCT			416 5.26 -.22			131 5.37 .24			<u>Other</u>			136 5.38 .29		
Ammoniacal Nitrogen			456 5.22 -.75			377 5.39 .15			105 5.44 1.27			309 5.37 .28		
137	5.44	1.22	470	5.15	-1.48	354	5.39	.15	371	5.31	.36	292	5.38	.27
471	5.37	.87	211	5.15	-1.48	136	5.38	.14	Avg	5.25		406	5.37	.22
460	5.35	.76				231	5.38	.14	476	5.20	-.35	291	5.36	.22
477	5.34	.64	Meth: 010.12 PCT			292 5.38 .08			420 5.06 -1.28			114 5.35 .12		
096	5.31	.45	Total Nitrogen			Avg 5.37			Meth: 010.XX PCT			474 5.35 .12		
Avg	5.23		<u>Salicylic</u>			406 5.37 -.12			<u>Total Nitrogen</u>			177 5.35 .08		
232	5.14	-.52	455	5.35	.89	177	5.35	-.13	428	5.99 s	5.15	Avg	5.34	
393	5.13	-.61	185	5.30	.74	291	5.36	-.17	035	5.71	2.94	247	5.34	-.01
456	5.11	-.75	397	5.28	.13	247	5.34	-.21	043	5.65 R	2.67	232	5.34	-.08
420	4.89	-1.97	Avg	5.27		232	5.34	-.23	389	5.63	2.24	260	5.34	-.12
			254	5.15	-1.46	049	5.34	-.32	402	5.55	1.64	049	5.34	-.20
Meth: 002.99 PCT			Meth: 010.60 PCT			444 5.36 -.41			351 5.55 1.61			371 5.31 -.29		
Nitrate Nitrogen			Total Nitrogen			055 5.37 -.44			102 5.43 R 1.53			473 5.34 -.32		
<u>Other</u>			<u>Combustion</u>			040 5.30 -.54			095 5.54 1.53			040 5.30 -.33		
393	0.12	.87	428	5.99 s	5.06	009	5.30	-.55	255	5.53	1.52	009	5.30	-.35
Avg	0.09		035	5.71	2.81	233	5.36	-.58	296	5.53	1.49	324	5.30	-.46
232	0.07	-.86	043	5.65 R	2.55	324	5.30	-.64	419	5.48	1.12	397	5.28	-.49

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 010.XX PCT			Meth: 020.20 PCT			Meth: 020.50 PCT			Meth: 020.XX PCT			Meth: 020.XX PCT		
<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>		
390	5.28	-.54	<u>Spectrometric</u>			<u>ICP</u>			422	20.29	.73	042	19.74	-1.35
034	5.27	-.55	428	27.45 s	38.93	477	20.24	.54	406	20.29	.73	309	19.66	-1.49
426	5.31	-.59	324	20.35 R	2.78	422	20.29	.42	477	20.24	.72	455	19.55	-1.85
416	5.26	-.64	406	20.29	1.13	390	20.25	.33	292	20.28	.70	420	19.43	-2.35
185	5.30	-.69	292	20.28	1.08	Avg	20.18		450	20.28	.68	307	19.18 s	-3.14
405	5.26	-.71	450	20.28	1.06	389	20.05	-.53	390	20.25	.62	330	19.20 s	-6.35
027	5.25	-.72	257	20.14	.67	255	20.05	-.66	456	20.20	.54	Meth: 030.10 PCT		
234	5.27	-.79	234	20.16	.61	432	19.89	-1.16	247	20.14	.47	Insoluble Phosphate		
230	5.23	-.92	169	20.18 X	.59	402	19.87	-1.28	257	20.14	.44	<u>Grav Quimociac</u>		
456	5.22	-1.00	231	20.15	.47	307	19.18 S	-3.82	234	20.16	.39	090	0.01	.00
476	5.20	-1.12	473	20.13	.39	330	19.20 s	-7.15	169	20.18 X	.37	Meth: 030.40 PCT		
368	5.32 R	-1.18	232	20.11	.28	Meth: 020.99 PCT			416	20.18	.35	Insoluble Phosphate		
023	5.22	-1.22	Avg	20.08		Total Phosphate			231	20.15	.30	Automated		
472	5.18	-1.26	419	20.05	-.30	Other			444	20.16	.28	096	0.04	.00
393	5.18	-1.27	258	20.02	-.32	443	21.48 s	4.35	473	20.13	.25	Meth: 030.50 PCT		
470	5.15	-1.51	371	19.98	-.51	471	21.77 S	3.51	232	20.11	.18	Insoluble Phosphate		
211	5.15	-1.51	474	20.01	-.68	137	20.84	1.52	Avg	20.08		<u>ICP</u>		
157	5.15	-1.63	200	19.73	-1.86	476	20.67	1.18	419	20.05	-.20	255	0.01	.71
254	5.15	-1.68	309	19.66	-2.23	Avg	20.13		389	20.05	-.20	Meth: 030.99 PCT		
325	5.12	-1.74	420	19.43 s	-3.55	322	19.90	-.48	258	20.02	-.23	Insoluble Phosphate		
420	5.06	-2.26	Meth: 020.40 PCT			460	20.00	-.51	096	20.01	-.27	Other		
307	4.89 A	-3.56	Total Phosphate			477	20.07	-.61	090	20.00	-.30	247	0.10	.71
Meth: 020.10 PCT			<u>Automated</u>			041	19.89	-.62	371	19.98	-.35	Meth: 030.XX PCT		
Total Phosphate			105	20.31	1.41	455	19.55	-1.25	105	19.98	-.37	Insoluble Phosphate		
<u>Grav Quimociac</u>			456	20.20	.88	Meth: 020.XX PCT			300	19.97	-.38	Other		
114	20.52 s	4.18	247	20.14	.73	Total Phosphate			255	20.05	-.42	277	0.10	.71
416	20.18	1.36	Avg	20.01		428	27.45 s	25.66	474	20.01	-.45	Meth: 030.XX PCT		
444	20.16	1.20	096	20.01	-.06	443	21.48 s	7.19	095	19.92	-.61	Insoluble Phosphate		
Avg	20.02		095	19.92	-.37	471	21.77 s	5.88	157	19.90	-.63	247	0.10 R	5.11
090	20.00	-.21	035	19.74	-1.15	476	20.67	2.09	470	19.89	-.66	096	0.04	1.28
300	19.97	-.39	042	19.74	-1.32	137	20.84	2.64	432	19.89	-.73	Avg	0.02	
105	19.98 R	-.45	Meth: 020.50 PCT			476	20.67	2.09	460	20.00	-.75	255	0.01	-.47
157	19.90	-.96	Total Phosphate			393	20.67	2.04	402	19.87	-.85	090	0.01	-.81
470	19.89	-1.05	<u>ICP</u>			324	20.35 R	1.82	041	19.89	-.87	Meth: 030.XX PCT		
			393	20.67	1.85	114	20.52	1.53	477	20.07 R	-.97	Insoluble Phosphate		
			368	20.32	.90	368	20.32	1.07	035	19.74	-1.23	Other		
						105	20.31	.99	200	19.73	-1.24	Automated		

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 040.10 PCT			Meth: 041.10 PCT			Meth: 041.60 PCT			Meth: 041.XX PCT			Meth: 048.99 PCT		
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>		
<u>Grav Quim</u>			<u>Grav Quimociac</u>			<u>EDTA Extract</u>						<u>Other</u>		
090	19.99	.87	022	19.90	-.58	028	20.61	2.17	177	20.04	.26	476	17.98	1.13
Avg	19.91		177	19.91	-.67	029	20.14	.75	024	20.00	.12	Avg	16.25	
300	19.83	-.86	102	19.89	-.68	043	20.13	.58	131	20.02	.11	247	16.20	-.04
Meth: 040.40 PCT			Meth: 041.20 PCT			Meth: 041.99 PCT			Meth: 048.XX PCT			Meth: 048.XX PCT		
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>		
<u>Automated</u>			<u>Spectrometric</u>			<u>Other</u>								
247	20.03	1.18	419	19.95	.71	296	20.45	.88	027	19.97	-.14	426	21.51	1.90
Avg	20.00		Meth: 041.40 PCT			Meth: 041.99 PCT			Meth: 048.XX PCT			Meth: 048.XX PCT		
096	19.97	-.32	<u>Automated</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>		
Meth: 040.50 PCT			Meth: 041.50 PCT			Meth: 041.99 PCT			Meth: 048.XX PCT			Meth: 048.XX PCT		
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>		
<u>ICP</u>			<u>ICP</u>			<u>Other</u>								
255	20.04	-.71	131	20.02	.74	296	20.45	.88	095	19.87	-.42	476	17.98	.49
Meth: 040.XX PCT			Meth: 041.50 PCT			Meth: 041.99 PCT			Meth: 048.XX PCT			Meth: 048.XX PCT		
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>		
247	20.03	1.25	027	19.97	.51	Avg	20.23		397	19.85	-.52	477	15.10	-.66
255	20.04	1.18	Avg	19.88		105	20.01	-.85	095	19.92	-.43	477	14.59	-.87
090	19.99	.19	472	19.60	-1.54	230	15.95 S	-16.59	377	19.83	-.56	393	13.98	-1.10
Avg	19.97		Meth: 041.50 PCT			Meth: 041.99 PCT			Meth: 048.XX PCT			Meth: 050.00 PCT		
096	19.97	-.14	<u>ICP</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Soluble Potash</u>		
300	19.83	-1.22	325	21.10 S	2.64	254	21.12 s	4.21	351	19.81	-.66	<u>STPB Oxalate</u>		
Meth: 041.10 PCT			Meth: 041.50 PCT			Meth: 041.99 PCT			Meth: 048.XX PCT			Meth: 050.00 PCT		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Soluble Potash</u>		
<u>Grav Quimociac</u>			<u>ICP</u>			<u>Other</u>			<u>Other</u>			<u>STPB Oxalate</u>		
254	21.12 s	11.74	007	20.44	1.16	296	20.45	1.70	185	19.80	-.73	114	23.65 s	11.26
028	20.27 s	3.87	354	20.36	.98	007	20.44	1.67	291	19.91	-.32	472	19.60	-1.43
211	20.09	1.25	009	20.14	.82	354	20.36	1.36	055	19.43	-2.14	055	19.43	-2.14
009	20.08	1.23	360	20.25	.78	028	20.27 R	1.35	023	19.26	-2.64	023	19.26	-2.64
055	20.07	1.11	Avg	19.92		009	20.14 R	1.22	393	17.39 s	-9.37	393	17.39 s	-9.37
105	19.99	.78	377	19.83	-.20	360	20.25	1.05	230	15.95 s	-14.63	230	15.95 s	-14.63
131	20.00	.45	291	19.65	-.61	029	20.14	.83	Meth: 048.20 PCT			Meth: 048.20 PCT		
Avg	19.96		055	19.43	-1.17	105	20.18	.75	<u>Water Soluble Phosph</u>			<u>Water Soluble Phosph</u>		
040	19.95	-.50	023	19.26	-1.47	043	20.13	.70	<u>Spectrometric</u>			<u>Spectrometric</u>		
Meth: 041.10 PCT			Meth: 041.50 PCT			Meth: 041.99 PCT			Meth: 048.20 PCT			Meth: 048.50 PCT		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>		
<u>Grav Quimociac</u>			<u>ICP</u>			<u>Other</u>			<u>Other</u>			<u>ICP</u>		
254	21.12 s	11.74	325	21.10 s	4.09	028	20.61	2.25	420	17.86	.71	426	21.51	1.28
028	20.27 s	3.87	028	20.61	2.25	296	20.45	1.70	Avg	16.86		Avg	16.86	
211	20.09	1.25	007	20.44	1.67	007	20.44	1.67	477	15.10	-.48	049	20.35	-.79
009	20.08	1.23	354	20.36	1.36	354	20.36	1.36	393	13.98	-.79	102	20.31	-.85
055	20.07	1.11	028	20.27 R	1.35	009	20.14 R	1.22	Meth: 048.50 PCT			Meth: 048.50 PCT		
105	19.99	.78	009	20.14 R	1.22	360	20.25	1.05	<u>Water Soluble Phosph</u>			<u>Water Soluble Phosph</u>		
131	20.00	.45	029	20.14	.83	029	20.14	.83	<u>ICP</u>			<u>ICP</u>		
Avg	19.96		105	20.18	.75	105	20.18	.75	426	21.51	1.28	090	19.84	-1.98
040	19.95	-.50	043	20.13	.70	043	20.13	.70	230	18.90 s	-5.22	230	18.90 s	-5.22
Meth: 041.10 PCT			Meth: 041.50 PCT			Meth: 041.99 PCT			Meth: 048.20 PCT			Meth: 048.50 PCT		
<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Water Soluble Phosph</u>		
<u>Grav Quimociac</u>			<u>ICP</u>			<u>Other</u>			<u>Other</u>			<u>ICP</u>		
254	21.12 s	11.74	325	21.10 s	4.09	028	20.61	2.25	420	17.86	.71	426	21.51	1.28
028	20.27 s	3.87	028	20.61	2.25	296	20.45	1.70	Avg	16.86		Avg	16.86	
211	20.09	1.25	007	20.44	1.67	007	20.44	1.67	477	15.10	-.48	049	20.35	-.79
009	20.08	1.23	354	20.36	1.36	354	20.36	1.36	393	13.98	-.79	102	20.31	-.85
055	20.07	1.11	028	20.27 R	1.35	009	20.14 R	1.22	Meth: 048.50 PCT			Meth: 048.50 PCT		
105	19.99	.78	009	20.14 R	1.22	360	20.25	1.05	<u>Water Soluble Phosph</u>			<u>Water Soluble Phosph</u>		
131	20.00	.45	029	20.14	.83	029	20.14	.83	<u>ICP</u>			<u>ICP</u>		
Avg	19.96		105	20.18	.75	105	20.18	.75	426	21.51	1.28	090	19.84	-1.98
040	19.95	-.50	043	20.13	.70	043	20.13	.70	230	18.90 s	-5.22	230	18.90 s	-5.22

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 050.30 PCT			Meth: 050.51 PCT			Meth: 050.99 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT		
Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash		
<u>AA (Oxalate)</u>			<u>ICP (Citrates)</u>			<u>Other</u>								
185	20.80	1.53	Avg	20.64		177	21.02	1.51	185	20.80 R	1.27	Avg	20.28	
234	20.32	.78	007	20.46	-.63	260	20.99	1.46	292	20.86	1.11	406	20.27	-.06
040	20.25	.42	009	20.49	-.69	307	20.65 R	1.09	307	20.65 R	1.03	040	20.25	-.11
Avg	20.01		291	20.35	-.71	360	20.71	.91	023	20.76	.95	393	20.20	-.17
073	19.91	-.19	393	20.20	-1.09	476	20.51 R	.91	389	20.73	.86	257	20.19	-.17
351	19.45	-.97	Meth: 050.60 PCT			322	20.66	.82	476	20.51 R	.86	041	20.22	-.19
043	19.34	-1.19	Soluble Potash			360	20.71	.83	024	20.69	.81	131	20.16	-.26
428	18.13 S	-3.25	<u>Flame (Oxalate)</u>			325	20.60	.70	377	20.64	.80	397	20.15	-.27
Meth: 050.31 PCT			443	23.33 S	9.93	105	20.57	.63	009	20.68	.78	131	20.14	-.28
Soluble Potash			309	20.55	1.03	450	20.45	.40	354	20.67	.77	368	20.23	-.38
<u>AA (Citrates)</u>			105	20.54	1.02	402	20.44	.40	322	20.66	.74	055	19.95	-.64
472	19.81	1.17	406	20.27	.17	232	20.35	.31	234	20.32	.65	200	19.92	-.70
Avg	19.56		Avg	20.23		477	20.37	.25	325	20.60	.62	073	19.91	-.72
254	19.31	-.37	200	19.92	-.98	247	20.33	.17	009	20.49	.60	169	19.86 X	-.82
Meth: 050.50 PCT			169	19.86 X	-1.19	Avg	20.24		022	20.55	.60	090	19.84	-.86
Soluble Potash			Meth: 050.61 PCT			131	20.16	-.19	105	20.55	.56	419	19.85	-.88
<u>ICP (Oxalate)</u>			Soluble Potash			368	20.23	-.37	105	20.55	.55	137	19.81	-.91
292	20.86	1.37	<u>Flame (Citrates)</u>			137	19.81	-.84	105	20.57	.55	042	19.87	-1.02
354	20.67	1.04	456	22.09	2.16	042	19.87	-.97	211	20.56	.53	255	19.73	-1.08
477	20.37	.49	028	21.36	1.00	255	19.73	-1.02	309	20.55	.52	460	19.70	-1.14
422	20.32	.41	029	20.99	.39	460	19.70	-1.08	105	20.54	.51	426	19.62	-1.29
Avg	20.10		Avg	20.74		455	19.55	-1.36	055	20.54	.50	455	19.55	-1.41
055	19.95	-.28	024	20.69	-.17	330	19.10	-2.31	007	20.46	.49	351	19.45	-1.61
419	19.85	-.53	105	20.55	-.36	Meth: 050.XX PCT			049	20.35	.45	472	19.81 R	-1.81
426	19.62	-.89	095	20.34	-.64	<u>Soluble Potash</u>			102	20.31	.44	043	19.34	-1.84
324	19.60 R	-1.72	035	20.32	-.68	474	39.71 s	37.56	416	20.50	.43	254	19.31	-1.89
390	19.20	-1.73	041	20.22	-.85	114	23.65 s	6.52	450	20.45	.33	324	19.60 R	-2.03
Meth: 050.51 PCT			131	20.14	-.97	443	23.33 s	5.90	402	20.44	.33	390	19.20	-2.16
Soluble Potash			Meth: 050.99 PCT			027	23.20 s	5.64	258	20.34	.31	330	19.10	-2.35
<u>ICP (Citrates)</u>			Soluble Potash			471	23.10 s	5.45	232	20.35	.27	230	18.90	-2.67
432	21.50	2.12	<u>Other</u>			456	22.09 A	3.50	477	20.37	.22	428	18.13 s	-4.16
377	20.64	.49	474	39.71 s	37.99	432	21.50	2.36	291	20.35	.14	Meth: 060.00 PCT		
023	20.76	.40	027	23.20 s	5.77	028	21.36	2.09	422	20.32	.14	Free Water		
389	20.73	.22	471	23.10 s	5.58	177	21.02	1.42	095	20.34	.12	<u>Vacuum Oven</u>		
						260	20.99	1.38	035	20.32	.11	096	1.78	1.86
						029	20.99	1.36	247	20.33	.10	Avg	1.31	
						470	20.94	1.28	231	20.33	.10	456	1.26	-.29

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 060.00 PCT			Meth: 101.30 PCT			Meth: 101.XX PCT			Meth: 121.30 PCT			Meth: 121.99 PCT		
Free Water			Acid Soluble Calcium			Acid Soluble Calcium			Acid Soluble Magnesi			Acid Soluble Magnesi		
<u>Vacuum Oven</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>Other</u>		
247	1.22	-.41	389	2.88	.67	232	2.55	-.70	477	2.42	.33	477	2.36	-1.07
007	1.18	-.55	090	2.88	.66	307	2.54	-.71	368	2.38	.22			
416	1.14	-.70	477	2.79	.32	035	2.48	-.97	096	2.39	.14			
			041	2.75	.14	420	2.45	-1.15	433	2.38	.07	Meth: 121.XX PCT		
			Avg	2.71		102	2.21	-2.10	Avg	2.37		<u>Acid Soluble Magnesi</u>		
Meth: 060.20 PCT			Avg			Meth: 121.00 PCT			Avg			330	4.20 s	10.65
Free Water			390			Acid Soluble Magnesi			131			200	2.91 s	3.21
<u>Karl Fischer</u>			131			<u>AA</u>			450			041	2.79	2.46
477	1.80	.71	474	2.59	-.56	200	2.91 s	4.09	023	2.36	-.11	471	2.72	2.08
			232	2.55	-.69	028	2.48	1.33	360	2.35	-.15	117	2.71	2.04
Meth: 060.99 PCT			009			177			422			354		
Free Water			307			2.49			426			432		
<u>Other</u>			035			2.36 R			258			114		
443	2.77	.71	420	2.45	-1.12	029	2.38	.57	009	2.34	-.37	137	2.52	.92
			102	2.21	-2.02	296	2.35	.40	472	2.33	-.45	291	2.50	.82
						169	2.35	.40	095	2.29	-.45	028	2.48	.80
Meth: 060.XX PCT			Meth: 101.99 PCT			Avg			055			177		
Free Water			Acid Soluble Calcium			105			307			090		
443	2.77	2.08	<u>Other</u>			095			324			389		
477	1.80	.39	477	3.09	.71	257	2.24	-.39	255	2.24	-.78	300	2.45	.52
096	1.78	.33				157	2.18	-.74	232	2.23	-.80	231	2.45	.50
Avg	1.59		Meth: 101.XX PCT			043			419			390		
456	1.26	-.59	Acid Soluble Calcium			121.30 PCT			035			477		
247	1.22	-.66	393	3.15 R	1.92	Acid Soluble Magnesi			027			368		
007	1.18	-.72	477	3.09	1.65	<u>ICP</u>			420			096		
416	1.14	-.79	422	3.02	1.34	330	4.20 s	10.82	474			296		
			354	3.00	1.26	041	2.79	2.47	102			433		
Meth: 101.00 PCT			247			117			393			131		
Acid Soluble Calcium			389			2.71			230			450		
<u>AA</u>			090			2.67			247			Avg		
105	2.65	.71	477	2.79	.36	114	2.58	1.27	042			2.36		
			041	2.75	.18	432	2.58	1.27	023 s			.00		
Meth: 101.30 PCT			Avg			291			Meth: 121.99 PCT			169		
Acid Soluble Calcium			390			2.50			Acid Soluble Magnesi			023		
<u>ICP</u>			105			.80			<u>Other</u>			2.36		
393	3.15 X	1.79	131	2.60	-.44	090	2.47	.64	471			2.35		
422	3.02	1.25	474	2.59	-.56	389	2.46	.56	2.72			-.12		
354	3.00	1.17	009	2.54	-.70	300	2.45	.50	1.16			-.21		
247	2.98	1.09				231	2.45	.48	Avg			426		
						390	2.41	.35	2.53			2.33		
									137			-.26		
									2.52			-.08		
									-.08			.09		
									-.12			.09		
									-.21			.09		
									-.25			.09		
									-.26			.09		
									-.26			.09		

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 121.XX PCT			Meth: 131.99 PCT			Meth: 144.50 PCT			Meth: 144.99 PCT			Meth: 144.XX PCT		
<u>Acid Soluble Magnesi</u>			<u>Water Soluble Magnes</u>			<u>Sulfur</u>			<u>Sulfur</u>			<u>Sulfur</u>		
009	2.34	-.35	Other			Turbidimetric			Other			023	7.16	-.60
095	2.29	-.41	477	1.78	.71	477	7.50	.71	090	5.32 s	-4.91	009	7.38 R	-.85
472	2.33	-.43										307	7.04	-.88
055	2.27	-.54	Meth: 131.XX PCT			Meth: 144.70 PCT			Meth: 144.XX PCT			255	7.01	-.95
307	2.26	-.59	<u>Water Soluble Magnes</u>			<u>Sulfur</u>			<u>Sulfur</u>			368	6.94	-1.13
105	2.26	-.60	027	2.09	1.61	<u>Spectrometric</u>			035	9.65 s	5.07	230	6.82	-1.39
324	2.25	-.67	300	1.96	.78	474	8.15	.71	354	8.22	1.81	292	6.77	-1.50
029	2.36 R	-.67	Avg	1.84					230	8.22	1.80	472	6.73 R	-1.70
095	2.24	-.71	477	1.78	-.36	Meth: 144.99 PCT			474	8.15	1.67	200	6.25	-2.68
255	2.24	-.73	477	1.78	-.37	<u>Sulfur</u>			114	7.87	1.00	422	6.14	-2.94
257	2.24	-.74	029	1.78	-.55	<u>Other</u>			473	7.82	.91	090	5.32 s	-4.78
232	2.23	-.75	432	1.63	-1.32	035	9.65 s	5.22	351	7.81	.88			
419	2.23	-.78				354	8.22	1.87	043	7.77	.78	Meth: 151.00 PPM		
157	2.18	-1.06	Meth: 144.01 PCT			230	8.22	1.86	029	7.76	.77	Arsenic		
035	2.16	-1.20	<u>Sulfur</u>			473	7.82	.95	360	7.72	.66	<u>Atomic Absorption</u>		
027	2.14	-1.29	<u>Gravimetric</u>			351	7.81	.91	095	7.68	.57	136	3.60	.71
420	2.10	-1.51	114	7.87	1.28	360	7.72	.69	324	7.62	.44			
474	2.07 R	-1.78	043	7.77	.91	389	7.60	.42	296	7.57	.43	Meth: 151.30 PPM		
043	1.97	-2.29	029	7.76	.90	291	7.58	.38	389	7.60	.40	Arsenic		
102	1.96	-2.30	095	7.68	.58	300	7.54	.30	291	7.58	.36	<u>ICP</u>		
393	1.71 s	-3.76	296	7.57	.48	137	7.52	.23	300	7.54	.29	368	5.20 s	3.47
230	1.63 s	-4.26	324	7.62	.38	390	7.43	.19	055	7.48	.22	450	4.50	1.52
247	1.25 s	-8.69	Avg	7.52		477	7.44	.04	137	7.52	.22	390	4.17	.91
042	0.23 s	-12.33	040	7.50	-.07	Avg	7.42		390	7.43	.18	Avg	3.51	
			055	7.48	-.30	177	7.41	-.07	040	7.50	.17	474	3.50	-.68
			102	7.44	-.31	450	7.42	-.11	477	7.50	.16	393	2.97	-.73
Meth: 131.00 PCT			397	7.38	-.53	169	7.39 X	-.15	102	7.44	.07	230	2.93	-.79
<u>Water Soluble Magnes</u>			444	7.36	-.60	419	7.34	-.19	477	7.44	.03	102	2.97	-.86
AA			230	6.82	-2.59	049	7.36	-.25	Avg	7.42				
029	1.78	.71	200	6.25 s	-4.68	027	7.31	-.26	177	7.41	-.07	Meth: 151.99 PPM		
						232	7.28	-.37	450	7.42	-.10	Arsenic		
Meth: 131.30 PCT			Meth: 144.02 PCT			023	7.16	-.61	397	7.38	-.12	<u>Other</u>		
<u>Water Soluble Magnes</u>			<u>Sulfur</u>			009	7.38 R	-.87	169	7.39 X	-.15	231	4.07	-.71
<u>ICP</u>			<u>Gravimetric</u>			307	7.04	-.89	444	7.36	-.16	Meth: 151.XX PPM		
027	2.09	1.20	292	6.77	.71	255	7.01	-.97	419	7.34	-.20	<u>Arsenic</u>		
300	1.96	.51				368	6.94	-1.15	049	7.36	-.25	368	5.20 s	3.77
Avg	1.87					472	6.73 R	-1.73	027	7.31	-.26	450	4.50	1.57
477	1.78	-.45				422	6.14	-3.01	232	7.28	-.37			
432	1.63	-1.26												

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
<u>Meth: 151.XX PPM</u>			<u>Meth: 165.99 PCT</u>			<u>Meth: 165.XX PCT</u>			<u>Meth: 181.30 PPM</u>			<u>Meth: 181.XX PPM</u>		
<u>Arsenic</u>			<u>Acid Soluble Boron</u>			<u>Acid Soluble Boron</u>			<u>Cadmium</u>			<u>Cadmium</u>		
390	4.17	.89	<u>Other</u>			389	0.300	.25	<u>ICP</u>			393	22.76	-1.13
231	4.07	.73	390	0.299	.19	307	0.300	.25	096	30.00	1.35	027	20.50	-1.85
136	3.60	.30	300	0.300	.07	300	0.300	.25	419	29.50	1.16	230	19.20	-2.27
Avg	3.59		389	0.300	.07	Avg	0.296		368	28.05	.72	Meth: 190.00 PCT		
474	3.50	-.77	307	0.300	.07	029	0.296	-.27	247	27.50	.54	Water Soluble Chlori		
393	2.97	-.94	Avg	0.299		354	0.293	-.34	474	27.50	.54	<u>Titrimetric</u>		
230	2.93	-1.01	354	0.293	-.50	477	0.290	-.34	102	27.54	.53	105	12.16	.86
102	2.97	-1.07	477	0.290	-.58	231	0.290	-.34	009	27.04	.50	Avg	11.41	
Meth: 165.00 PCT			231	0.290	-.58	043	0.289	-.41	450	26.55	.22	422	10.67	-.87
<u>Acid Soluble Boron</u>			368	0.295	-.62	368	0.295	-.51	390	26.10	.08	Meth: 191.30 PPM		
<u>Spectrometric</u>			043	0.289	-.65	009	0.289	-.59	Avg	25.86		Chromium		
105	0.313	1.53	009	0.289	-.80	257	0.286	-.68	035	25.65	-.08	<u>ICP</u>		
393	0.307	1.20	114	0.285	-.96	114	0.285	-.70	232	24.18	-.54	096	130.00 R	2.34
029	0.296	.60	471	0.284	-1.02	471	0.284	-.76	393	22.76	-1.01	450	116.00	1.15
257	0.286	.33	232	0.279	-1.29	232	0.279	-1.00	027	20.50	-1.70	368	113.50	.95
Avg	0.286		324	0.256	-2.82	028	0.277	-1.15	230	19.20	-2.11	009	113.20	.92
028	0.277	-.53	472	0.227 s	-4.71	296	0.275	-1.23	Meth: 181.99 PPM			419	107.00	.44
296	0.275	-.59	255	0.211 s	-5.74	023	0.267	-1.74	<u>Cadmium</u>			102	106.45	.41
023	0.267	-1.07	230	0.196 s	-6.68	055	0.266	-1.86	<u>Other</u>			035	102.00	.09
055	0.266	-1.23	Meth: 165.XX PCT			324	0.256	-2.39	231	27.86	.71	Avg	101.52	
Meth: 165.99 PCT			<u>Acid Soluble Boron</u>			472	0.227 s	-4.11	Meth: 181.XX PPM			474	98.50	-.27
<u>Acid Soluble Boron</u>			432	0.725 s	25.72	255	0.211 s	-5.05	<u>Cadmium</u>			232	95.70	-.47
<u>Other</u>			397	0.325	1.76	230	0.196 s	-5.91	096	30.00	1.32	027	89.00	-.99
432	0.725 s	28.00	117	0.321	1.59	Meth: 171.99 PCT			419	29.50	1.12	230	73.80	-2.19
397	0.325	1.73	042	0.320	1.55	<u>Water Soluble Boron</u>			136	28.00	.70	Meth: 191.99 PPM		
117	0.321	1.55	473	0.315	1.18	<u>Other</u>			368	28.05	.67	Chromium		
042	0.320	1.52	105	0.313	1.03	432	0.330	1.16	231	27.86	.59	<u>Other</u>		
473	0.315	1.09	433	0.310	.84	200	0.295	.61	247	27.50	.48	231	77.59	.71
433	0.310	.72	137	0.310	.84	027	0.286	.44	474	27.50	.48	Meth: 191.XX PPM		
137	0.310	.72	258	0.308	.81	Avg	0.256		102	27.54	.47	Chromium		
258	0.308	.71	393	0.307	.69	477	0.215	-.59	009	27.04	.46	<u>Chromium</u>		
426	0.300	.65	426	0.300	.64	428	0.152	-1.50	450	26.55	.14	096	130.00 R	2.27
422	0.305	.51	422	0.305	.62	Meth: 181.00 PPM			Avg	26.12		450	116.00	1.20
090	0.305	.47	090	0.305	.58	<u>Cadmium</u>			390	26.10	-.03	368	113.50	1.02
291	0.304	.31	291	0.304	.47	<u>Atomic Absorption</u>			035	25.65	-.16	009	113.20	.99
360	0.302	.19	360	0.302	.35	136	28.00	.71	232	24.18	-.65			
			390	0.299	.26									

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
<u>Meth: 191.XX PPM</u>			<u>Meth: 202.XX PPM</u>			<u>Meth: 221.30 PCT</u>			<u>Meth: 221.XX PCT</u>			<u>Meth: 241.30 PCT</u>		
<u>Chromium</u>			<u>Acid Soluble Cobalt</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>		
419	107.00	.55	136	7.50 s	4.82	ICP			231	0.0038	-.32	ICP		
102	106.45	.52	426	5.40	1.99	102	0.0040	.27	474	0.0038	-.35	433	0.67	1.34
035	102.00	.20	009	4.80	1.16	041	0.0040	.27	368	0.0039	-.43	117	0.66 R	1.18
Avg	99.34		450	4.45	.74	247	0.0039	.22	009	0.0039 X	-.47	420	0.66	1.12
474	98.50	-.12	368	4.40	.68	Avg	0.0039		095	0.0037	-.50	432	0.65	.83
232	95.70	-.27	035	4.28	.53	368	0.0039	-.40	035	0.0037	-.58	090	0.64	.74
027	89.00	-.74	102	3.97	.41	095	0.0037	-.42	255	0.0036	-.66	096	0.63	.57
231	77.59	-1.56	Avg	3.85		009	0.0039 X	-.42	477	0.0036	-.68	422	0.63	.53
230	73.80	-1.83	419	3.71	-.17	035	0.0037	-.49	232	0.0035	-.87	035	0.62	.45
			390	3.50	-.47	255	0.0036	-.57	105	0.0035 R	-1.30	324	0.62	.42
			232	3.43	-.52	232	0.0035	-.76	433	0.0033	-1.42	393	0.62	.39
			393	3.28	-.71	433	0.0033	-1.26	230	0.0031	-1.94	419	0.62	.27
			474	3.50	-.75	230	0.0031	-1.75				231	0.62	.27
			230	2.72	-1.39				<u>Meth: 241.00 PCT</u>			360	0.61	.20
			231	2.64	-1.49				<u>Acid Soluble Iron</u>			390	0.61	.11
			422	0.00 s	-4.70				<u>Atomic Absorption</u>			Avg	0.60	
									105	0.63	1.04	426	0.60	-.08
									397	0.63	.93	009	0.60	-.08
									296	0.63	.91	291	0.60	-.12
									028	0.63	.87	023	0.60	-.13
									029	0.59	.42	114	0.60	-.15
									043	0.59	.24	300	0.59	-.22
									Avg	0.59		368	0.59	-.32
									371	0.56	-.49	255	0.58	-.43
									474	0.56	-.58	131	0.58	-.44
									177	0.55	-.81	402	0.58	-.45
									169	0.49	-2.12	247	0.58	-.51
									095	0.06 s	-11.46	157	0.57	-.59
												027	0.56	-.88
												472	0.55	-.92
												450	0.53	-1.36
												041	0.52	-1.55
												232	0.52	-1.62
												102	0.51	-1.69
												042	0.47	-2.49
												230	0.40 A	-3.81
												428	0.36 s	-4.53
												095	0.32 s	-7.26

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 241.99 PCT			Meth: 241.XX PCT			Meth: 251.30 PPM			Meth: 261.30 PCT			Meth: 261.31 PCT		
<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>			<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>		
<u>Other</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
137	0.81 S	31.82	300	0.59	-.16	390	3.88	-.44	422	0.205 s	75.45	230	0.012	-.87
477	0.59	.71	043	0.59	-.22	247	3.60	-.54	157	0.145 s	51.56	Meth: 261.99 PCT		
Avg	0.59		477	0.59	-.27	474	3.50 R	-.58	432	0.035 s	12.59	Acid Soluble Manganese		
Meth: 241.XX PCT			255	0.58	-.38	102	2.92	-.75	433	0.021	2.22	<u>Other</u>		
<u>Acid Soluble Iron</u>			131	0.58	-.39	230	2.84	-.77	354	0.020	1.74	471	0.135 S	37.73
307	1.17 s	11.00	402	0.58	-.40	Meth: 251.99 PPM			450	0.018	1.24	137	0.020	.64
473	0.84 s	4.62	029	0.59 R	-.42	<u>Lead</u>			117	0.017	1.03	042	0.020	.64
137	0.81 s	4.11	247	0.58	-.46	<u>Other</u>			420	0.018	.94	Avg 0.018		
389	0.70	1.98	157	0.57	-.55	231	3.56	.71	041	0.018	.77	255	0.014	-1.29
330	0.70	1.98	371	0.56	-.65	Meth: 251.XX PPM			247	0.018	.77	Meth: 261.XX PCT		
354	0.68	1.52	474	0.56	-.71	<u>Lead</u>			390	0.016	.29	<u>Acid Soluble Manganese</u>		
055	0.68	1.49	027	0.56	-.84	136	20.50 s	5.30	389	0.016	.14	257	0.218 s	78.22
433	0.67	1.43	472	0.55	-.89	393	11.32	2.14	096	0.016	.10	422	0.205 s	73.32
117	0.66 R	1.27	177	0.55	-.94	419	8.05	1.03	009	0.015	-.11	157	0.145 s	50.10
420	0.66	1.22	450	0.53	-1.34	Avg	5.02		426	0.016	-.21	471	0.135 s	46.19
432	0.65	.91	041	0.52	-1.53	450	4.00	-.35	402	0.015	-.22	432	0.035 s	12.23
090	0.64	.82	232	0.52	-1.60	390	3.88	-.39	368	0.015	-.22	433	0.021	2.13
105	0.63	.72	102	0.51	-1.67	231	3.56	-.50	055	0.015	-.25	137	0.020	1.66
096	0.63	.65	169	0.49	-2.11	247	3.60	-.50	360	0.015	-.38	354	0.020	1.66
397	0.63	.62	042	0.47	-2.49	474	3.50 R	-.54	131	0.015	-.41	042	0.020	1.66
296	0.63	.60	230	0.40 A	-3.85	102	2.92	-.71	300	0.014	-.65	450	0.018	1.19
422	0.63	.60	428	0.36 s	-4.59	230	2.84	-.74	035	0.014	-.77	117	0.017	.99
028	0.63	.56	095	0.32 s	-7.41	Meth: 261.00 PCT			291	0.014	-.87	420	0.018	.89
035	0.62	.52	095	0.06 s	-10.47	<u>Acid Soluble Manganese</u>			232	0.013	-.91	041	0.018	.72
324	0.62	.49	Meth: 251.00 PPM			<u>AA</u>			102	0.013	-1.27	247	0.018	.72
393	0.62	.46	<u>Lead</u>			257	0.218 s	69.89	231	0.015 R	-2.01	324	0.017	.52
419	0.62	.34	<u>Atomic Absorption</u>			043	0.017	.82	114	0.015 R	-2.01	043	0.017	.44
231	0.62	.34	136	20.50 S	.00	296	0.016	.64	472	0.010	-2.25	296	0.016	.40
360	0.61	.27	Meth: 251.30 PPM			028	0.016	.56	023	0.001 s	-5.84	390	0.016	.27
390	0.61	.17	<u>Lead</u>			Avg	0.014		419	0.000 s	-6.17	028	0.016	.17
009	0.60	.10	<u>ICP</u>			397	0.014	-.61	Meth: 261.31 PCT			389	0.016	.12
426	0.60	.09	393	11.32	1.97	397	0.014	-.61	<u>Acid Soluble Manganese</u>			096	0.016	.09
Avg	0.60		419	8.05	.91	105	0.013	-.67	<u>ICP</u>			Avg	0.016	
291	0.60	-.07	Avg	5.23		029	0.011	-1.81	324	0.017	.86	009	0.015	-.12
023	0.60	-.09	450	4.00	-.40	Meth: 261.30 PPM			Avg	0.014		426	0.016	-.21
114	0.60	-.12	Meth: 261.00 PCT			<u>Acid Soluble Manganese</u>								

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 261.XX PCT			Meth: 281.30 PPM			Meth: 289.99 PPM			Meth: 291.30 PPM			Meth: 301.30 PPM		
<u>Acid Soluble Manganese</u>			Mercury			Molybdenum			Nickel			Selenium		
368	0.015	-.23	<u>ICP</u>			Other			<u>ICP</u>			<u>ICP</u>		
402	0.015	-.24	450	0.00	-.87	Avg	7.40		035	20.45	.57	393	0.38	.87
055	0.015	-.27	Meth: 281.99 PPM			231	6.74	-.84	419	20.00	.41	Avg	0.19	
360	0.015	-.39	Mercury			422	0.00 S	-9.44	102	19.73	.37	450	0.00	-.87
131	0.015	-.41	Other			Meth: 289.XX PPM			Avg			Meth: 301.99 PPM		
300	0.014	-.66	009	0.04	-.71	Molybdenum			232			Selenium		
255	0.014	-.66	Meth: 281.XX PPM			028	8.06	2.20	474			Other		
035	0.014	-.78	<u>Mercury</u>			247	6.75	1.18	230			231		
291	0.014	-.87	393	0.45 X	1.61	419	7.35	1.13	027			2.40		
232	0.013	-.91	Avg	0.13		450	7.00	.51	Meth: 291.99 PPM			Meth: 301.XX PPM		
397	0.014	-1.03	009	0.04	-.43	390	6.77	.16	Nickel			<u>Selenium</u>		
105	0.013	-1.12	230	0.02	-.55	231	6.74	.11	Other			231		
102	0.013	-1.25	450	0.00	-.64	232	6.70	.10	231			2.40		
230	0.012	-1.51	Meth: 289.30 PPM			Avg	6.67		11.92			0.92		
231	0.015 R	-1.95	Molybdenum			035	6.46	-.34	Meth: 291.XX PPM			393		
114	0.015 R	-1.95	<u>ICP</u>			433	6.45	-.36	Nickel			0.38		
472	0.010	-2.21	419	7.35	1.61	393	6.25	-.68	136			0.00		
029	0.011 R	-2.39	247	6.75	1.48	368	6.45	-.79	25.00			0.50		
023	0.001 s	-5.71	450	7.00	.87	102	5.98	-1.14	009			0.71		
419	0.000 s	-6.02	247	6.75	1.48	009	5.79	-1.42	450			.71		
Meth: 271.30 PCT			390	6.77	.43	230	6.38 R	-1.72	096			.83		
<u>Water Soluble Mangan</u>			232	6.70	.32	255	4.18 s	-4.24	247			.76		
<u>ICP</u>			Avg	6.54		422	0.00 s	-10.47	368			.67		
157	0.145	.87	035	6.46	-.16	Meth: 291.00 PPM			035			.46		
Avg	0.074		433	6.45	-.21	Nickel			419			.34		
300	0.003	-.86	393	6.25	-.59	<u>Atomic Absorption</u>			102			.30		
Meth: 281.00 PPM			368	6.45	-.87	136			25.00			.71		
Mercury			102	5.98	-1.15	Meth: 291.30 PPM			232			-0.29		
<u>Atomic Absorption</u>			009	5.79	-1.48	Nickel			474			-0.63		
230	0.02	.71	230	6.38 R	-2.03	<u>ICP</u>			393			-0.75		
Meth: 281.30 PPM			255	4.18 s	-4.90	009			230			-1.14		
Mercury			Meth: 289.99 PPM			450			027			-1.29		
<u>ICP</u>			Molybdenum			096			231			-1.86		
393	0.45 X	.87	Other			247			11.92			-1.73		
Avg	0.23		028	8.06	.89	368								

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 311.XX PCT			Meth: 321.30 PCT			Meth: 321.99 PCT			Meth: 321.XX PCT			Meth: 325.99 PCT		
<u>Sodium</u>			Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc			Water Soluble Zinc		
422	0.66 s	6.08	<u>ICP</u>			<u>Other</u>			043	0.541	-.19	<u>Other</u>		
307	0.54	1.53	389	0.590	1.24	137	0.610	1.52	230	0.539	-.23	257	0.516	.89
477	0.51	.51	428	0.585	1.11	Avg	0.555		255	0.536	-.25	Avg	0.505	
105	0.50	.50	035	0.577	.87	231	0.550	-.31	131	0.536	-.30	472	0.495	-.84
102	0.51	.49	473	0.565	.54	477	0.530	-.74	307	0.535	-.30	Meth: 325.XX PCT		
232	0.51	.47	090	0.563	.50	474	0.530	-.74	296	0.541	-.41	<u>Water Soluble Zinc</u>		
474	0.51	.24	009	0.563	.49	471	0.239 S	-8.73	419	0.535	-.43	393	0.570	.74
Avg	0.50		360	0.555	.26	Meth: 321.XX PCT			477	0.530	-.53	257	0.516	.48
009	0.48	-.86	291	0.553	.20	<u>Acid Soluble Zinc</u>			474	0.530	-.53	472	0.495	.38
035	0.45	-1.84	433	0.549	.14	432	0.730 s	6.05	426	0.526	-.55	Avg	0.415	
Meth: 321.00 PCT			042	0.550	.11	354	0.640 A	3.11	023	0.527	-.59	432	0.080	-1.61
Acid Soluble Zinc			324	0.547	.10	422	0.630	2.80	041	0.525	-.60			
<u>Atomic Absorption</u>			390	0.549	.09	137	0.610	2.14	200	0.525	-.60			
258	0.590	2.10	Avg	0.546		055	0.610	2.14	368	0.527	-.61			
028	0.557	.76	450	0.545	-.14	117	0.596	1.71	095	0.524	-.63			
105	0.556	.74	230	0.539	-.26	330	0.550 R	1.61	247	0.539	-.68			
371	0.555	.70	255	0.536	-.29	258	0.590	1.53	402	0.522	-.70			
296	0.541	.51	131	0.536	-.33	257	0.590	1.53	292	0.520	-.74			
397	0.550	.47	307	0.535	-.34	389	0.590	1.53	029	0.522	-.85			
043	0.541	.24	419	0.535	-.43	428	0.585	1.37	257	0.516	-.91			
177	0.539	.13	426	0.526	-.56	035	0.577	1.11	114	0.515	-.91			
Avg	0.538		023	0.527	-.59	473	0.565	.72	102	0.508	-1.15			
200	0.525	-.57	368	0.527	-.60	090	0.563	.67	231	0.505	-1.23			
029	0.522	-.91	041	0.525	-.60	009	0.563	.66	169	0.505 X	-1.23			
257	0.516	-.95	247	0.539	-.61	028	0.557	.45	027	0.504	-1.28			
169	0.505 X	-1.35	095	0.524	-.63	105	0.556	.45	095	0.502	-1.30			
095	0.502	-1.43	402	0.522	-.69	371	0.555	.41	472	0.495	-1.54			
Meth: 321.30 PCT			292	0.520	-.73	360	0.555	.39	232	0.482	-1.97			
Acid Soluble Zinc			114	0.515	-.87	231	0.550	.39	471	0.239 s	-9.73			
<u>ICP</u>			102	0.508	-1.08	291	0.553	.32	Meth: 325.30 PCT					
432	0.730 s	5.16	231	0.505	-1.15	433	0.549	.23	Water Soluble Zinc					
354	0.640	2.61	027	0.504	-1.19	397	0.550	.22	<u>ICP</u>					
422	0.630	2.34	472	0.495	-1.42	042	0.550	.22	393	0.570	.86			
055	0.610	1.77	232	0.482	-1.79	390	0.549	.19	Avg	0.325				
117	0.596	1.39				450	0.545	.17	432	0.080	-.87			
330	0.550 R	1.39				324	0.547	.16						
						Avg	0.543							
						177	0.539	-.16						

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
001.10	3	0.00	1.08	0.25	050.XX	74	0.80	4.68	0.41
001.99	6	0.00	0.99	0.32	060.00	5	0.00	1.05	0.13
001.XX	9	0.00	1.01	0.19	060.XX	7	0.00	1.03	0.14
002.99	2	0.00	1.21	0.15	101.30	17	0.00	1.00	0.17
002.XX	2	0.00	1.21	0.15	101.XX	18	0.05	1.05	0.23
009.10	6	0.00	1.04	0.14	121.00	12	0.38	1.48	0.31
009.XX	6	0.00	1.04	0.14	121.30	41	- 0.45	3.09	0.94
010.11	9	0.00	1.01	0.20	121.99	3	0.00	1.12	0.00
010.12	4	0.00	0.77	0.65	121.XX	54	- 0.26	2.73	0.82
010.60	53	0.07	1.31	0.42	131.30	4	0.00	1.08	0.08
010.99	4	0.00	1.06	0.19	131.XX	5	0.07	1.13	0.21
010.XX	70	0.06	1.23	0.39	144.01	13	- 0.36	1.61	0.21
020.10	8	0.49	1.74	0.14	144.99	27	- 0.05	1.71	0.24
020.20	18	2.05	9.28	0.78	144.XX	41	- 0.04	1.45	0.32
020.40	7	0.00	0.90	0.48	151.30	7	0.33	1.22	1.06
020.50	11	- 0.69	1.74	1.87	151.XX	9	0.27	1.19	1.04
020.99	9	0.71	1.65	1.12	165.00	8	0.000	0.995	0.267
020.XX	51	0.60	3.89	1.15	165.99	30	0.352	5.524	0.828
030.XX	4	1.27	2.71	0.17	165.XX	38	0.273	4.507	0.683
040.10	2	0.00	1.21	0.12	171.99	5	0.000	1.030	0.226
040.40	2	0.00	0.41	0.82	171.XX	5	0.000	1.030	0.226
040.XX	5	0.00	0.73	0.69	181.30	14	0.00	1.00	0.18
041.10	13	1.11	3.31	1.09	181.XX	16	0.00	1.00	0.19
041.40	4	0.00	0.99	0.38	190.00	2	0.00	1.21	0.12
041.50	10	- 0.30	2.20	0.31	190.XX	2	0.00	1.21	0.12
041.60	9	0.00	0.96	0.36	191.30	11	0.20	1.18	0.21
041.99	3	- 5.51	9.58	0.79	191.XX	12	0.18	1.16	0.18
041.XX	33	- 0.49	3.31	0.49	202.00	2	2.83	4.00	1.58
048.50	3	0.00	1.12	0.06	202.30	12	- 0.30	2.14	0.29
048.99	3	0.00	1.11	0.10	202.XX	15	- 0.02	1.96	0.54
048.XX	6	0.13	1.07	0.08	221.00	5	0.0000	0.9133	0.4824
050.00	15	0.40	3.40	0.39	221.30	19	2.7959	6.4771	0.4256
050.30	7	- 0.46	1.51	0.38	221.99	2	0.0000	1.0000	0.5000
050.31	2	0.00	0.49	0.79	221.XX	25	2.2676	6.2602	0.4708
050.50	9	- 0.10	0.99	0.53	241.00	11	- 1.04	3.58	0.20
050.51	8	0.00	0.97	0.33	241.30	42	0.06	2.38	0.78
050.60	6	1.65	4.15	0.32	241.99	2	15.91	22.50	0.50
050.61	9	0.00	1.02	0.12	241.XX	54	0.08	2.39	0.62
050.99	24	2.11	7.85	0.42	251.30	8	- 0.07	0.98	0.07

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
251.XX	10	0.48	1.92	0.18					
261.00	7	9.973	26.396	1.376					
261.30	30	4.072	16.607	1.976					
261.31	2	0.000	1.207	0.147					
261.99	4	9.433	18.887	0.164					
261.XX	43	5.606	18.849	1.723					
271.30	2	0.000	1.223	0.043					
271.XX	2	0.000	1.223	0.043					
281.30	2	0.00	1.22	0.00					
281.XX	4	0.00	1.08	0.01					
289.30	13	- 0.37	1.46	0.93					
289.99	3	- 3.15	5.52	0.17					
289.XX	16	- 0.93	2.84	0.70					
291.30	13	0.05	0.99	0.26					
291.XX	15	0.03	0.98	0.21					
301.30	2	0.00	1.22	0.01					
301.XX	3	0.00	1.12	0.04					
311.99	8	0.72	2.23	0.27					
311.XX	9	0.67	2.22	0.32					
321.00	13	0.000	0.972	0.298					
321.30	38	0.137	1.266	0.325					
321.99	5	- 1.746	4.008	0.216					
321.XX	54	0.019	1.875	0.359					
325.30	2	0.000	1.216	0.102					
325.99	2	0.000	1.066	0.426					
325.XX	3	- 0.127	1.278	0.115					