

- Pass 1 Results for 79 Labs - - Pass 2 Results for 77 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	7	11.81	0.34	0.05	7	11.81	0.34	0.05
Ammoniacal Nitrogen, Other		001.99	9	11.94	0.22	0.05	8	11.94	0.23	0.03
Method Group 001.XX PCT			16	11.88	0.28	0.05	15	11.88	0.29	0.04
Nitrate Nitrogen, Other		002.99	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Ammon & Nitrate N, Devarda	892.01	009.10	4	11.92	0.23	0.11	4	11.92	0.23	0.11
Total Nitrogen, Modified Comprehensive	978.02	010.11	5	12.03	0.08	0.06	4	12.04	0.07	0.02
Total Nitrogen, Salicylic	955.04D	010.12	3	12.15	0.12	0.04	3	12.15	0.12	0.04
Total Nitrogen, Combustion		010.60	54	12.08	0.18	0.09	51	12.09	0.17	0.07
Total Nitrogen, Other		010.99	5	12.05	0.06	0.04	5	12.05	0.06	0.04
Method Group 010.XX PCT			67	12.07	0.17	0.08	63	12.09	0.15	0.07
Total Phosphate, Grav Quimociac	962.02	020.10	10	40.78	0.49	0.15	9	40.71	0.46	0.10
Total Phosphate, Spectrometric	958.01	020.20	10	41.07	0.47	0.14	9	40.98	0.38	0.09
Total Phosphate, Alka Quimociac	969.02	020.30	1	41.29	0.01	0.02	1	41.29	0.01	0.02
Total Phosphate, Automated	978.01	020.40	6	40.72	0.47	0.22	5	40.89	0.10	0.05
Total Phosphate, ICP		020.50	13	40.84	0.77	0.37	12	40.87	0.75	0.24
Total Phosphate, Other		020.99	3	40.48	0.26	0.04	3	40.48	0.26	0.04
Method Group 020.XX PCT			43	40.85	0.58	0.21	39	40.86	0.48	0.13
Insoluble Phosphate, Grav Quimociac	963.03C	030.10	1	0.16	0.01	0.02	1	0.16	0.01	0.02
Insoluble Phosphate, Spectrometric	963.03C	030.20	1	1.58	0.04	0.05	1	1.58	0.04	0.05
Insoluble Phosphate, Automated	978.01	030.40	1	0.40	0.02	0.03	1	0.40	0.02	0.03
Insoluble Phosphate, ICP		030.50	1	0.07	0.01	0.01	1	0.07	0.01	0.01
Insoluble Phosphate, Other		030.99	1	0.23	0.01	0.01	1	0.23	0.01	0.01
Method Group 030.XX PCT			5	0.49	0.59	0.02	5	0.49	0.59	0.02
InDir Available Phosphate, Grav Quim	960.02	040.10	1	40.96	0.24	0.34	1	40.96	0.24	0.34
InDir Available Phosphate, Spectrometri	960.02	040.20	2	40.05	0.10	0.13	2	40.05	0.10	0.13
InDir Available Phosphate, Automated	960.02	040.40	1	40.54	0.01	0.02	1	40.54	0.01	0.02
InDir Available Phosphate, ICP		040.50	1	38.37	0.04	0.06	1	38.37	0.04	0.06
Method Group 040.XX PCT			5	39.99	0.93	0.13	5	39.99	0.93	0.13
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	9	40.48	0.52	0.19	9	40.48	0.52	0.19
Dir Available Phosphate, Spectrometric	960.03D	041.20	1	40.05	0.07	0.10	1	40.05	0.07	0.10
Dir Available Phosphate, Automated	978.01	041.40	2	40.36	0.26	0.14	2	40.36	0.26	0.14
Dir Available Phosphate, ICP		041.50	13	39.95	0.63	0.37	13	39.95	0.63	0.37
Dir Available Phosphate, EDTA Extract	993.01	041.60	7	40.37	0.31	0.07	7	40.37	0.31	0.07
Dir Available Phosphate, Other		041.99	1	40.31	0.43	0.61	1	40.31	0.43	0.61
Method Group 041.XX PCT			33	40.22	0.55	0.24	32	40.21	0.55	0.22
Water Soluble Phosphate, Grav Quimociac	962.03	048.10	1	35.54	0.29	0.41	1	35.54	0.29	0.41
Water Soluble Phosphate, Spectrometric	970.01	048.20	1	35.89	0.02	0.03	1	35.89	0.02	0.03
Water Soluble Phosphate, ICP		048.50	1	35.46	0.08	0.12	1	35.46	0.08	0.12
Water Soluble Phosphate, Other		048.99	1	36.00	0.01	0.02	1	36.00	0.01	0.02

- Pass 1 Results for 79 Labs - - Pass 2 Results for 77 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
Method Group 048.XX PCT			4	35.72	0.27	0.15	4	35.72	0.27	0.15
Soluble Potash, ICP (Oxalate)		050.50	4	1.27	2.05	0.02	4	1.27	2.05	0.02
Soluble Potash, ICP (Citrate)		050.51	6	0.18	0.04	0.01	6	0.18	0.04	0.01
Soluble Potash, Other		050.99	5	1.07	1.78	0.04	5	1.07	1.78	0.04
Method Group 050.XX PCT			15	0.77	1.50	0.03	13	0.51	1.20	0.01
Free Water, Vacuum Oven	965.08B	060.00	5	0.85	0.14	0.04	5	0.85	0.14	0.04
Free Water, Karl Fischer	972.01	060.20	1	1.22	0.00	0.00	1	1.22	0.00	0.00
Method Group 060.XX PCT			6	0.92	0.19	0.03	6	0.92	0.19	0.03
Acid Soluble Calcium, AA	945.04	101.00	1	0.25	0.00	0.01	1	0.25	0.00	0.01
Acid Soluble Calcium, ICP		101.30	15	0.26	0.05	0.01	14	0.26	0.05	0.01
Method Group 101.XX PCT			16	0.26	0.05	0.01	15	0.26	0.05	0.01
Acid Soluble Magnesium, AA	984.01	121.00	2	0.34	0.04	0.01	2	0.34	0.04	0.01
Acid Soluble Magnesium, ICP		121.30	15	0.42	0.04	0.01	15	0.42	0.04	0.01
Method Group 121.XX PCT			17	0.41	0.05	0.01	17	0.41	0.05	0.01
Sulfur, Gravimetric	980.02a	144.01	20	8.30	2.46	0.09	18	8.10	2.51	0.06
Sulfur, Gravimetric	980.02b	144.02	1	9.56	0.01	0.02	1	9.56	0.01	0.02
Sulfur, Spectrometric		144.70	1	5.01	0.17	0.24	1	5.01	0.17	0.24
Sulfur, Other		144.99	28	8.38	2.44	0.18	27	8.34	2.47	0.16
Method Group 144.XX PCT			50	8.31	2.44	0.14	49	8.28	2.45	0.13
Arsenic, Atomic Absorption		151.00	2	11.75	0.58	0.12	2	11.75	0.58	0.12
Arsenic, ICP		151.30	10	10.60	1.62	0.41	10	10.60	1.62	0.41
Arsenic, Other		151.99	1	11.45	0.49	0.70	1	11.45	0.49	0.70
Method Group 151.XX PPM			13	10.84	1.50	0.38	13	10.84	1.50	0.38
Acid Soluble Boron, Other		165.99	6	0.018	0.014	0.003	6	0.018	0.014	0.003
Cadmium, Atomic Absorption		181.00	2	2.49	0.09	0.08	2	2.49	0.09	0.08
Cadmium, ICP		181.30	11	2.63	0.14	0.10	10	2.61	0.10	0.07
Method Group 181.XX PPM			13	2.61	0.15	0.10	12	2.59	0.11	0.07
Chromium, Atomic Absorption		191.00	1	92.00	1.41	2.00	1	92.00	1.41	2.00
Chromium, ICP		191.30	13	73.95	6.18	1.64	13	73.95	6.18	1.64
Method Group 191.XX PPM			14	75.24	7.60	1.66	14	75.24	7.60	1.66
Acid Soluble Cobalt, AA		202.00	1	2.50	0.71	1.00	1	2.50	0.71	1.00
Acid Soluble Cobalt, ICP	965.11	202.30	9	2.85	0.60	0.34	9	2.85	0.60	0.34
Acid Soluble Cobalt, Other		202.99	1	2.36	0.37	0.53	1	2.36	0.37	0.53
Method Group 202.XX PPM			11	2.78	0.59	0.41	11	2.78	0.59	0.41
Acid Soluble Copper, Atomic Absorption	975.01	221.00	3	0.0015	0.0005	0.0002	3	0.0015	0.0005	0.0002
Acid Soluble Copper, ICP		221.30	16	0.0014	0.0006	0.0002	15	0.0014	0.0005	0.0001
Method Group 221.XX PCT			19	0.0015	0.0006	0.0002	18	0.0014	0.0005	0.0001
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	2	0.74	0.01	0.01	2	0.74	0.01	0.01
Acid Soluble Iron, ICP		241.30	12	0.75	0.04	0.01	11	0.74	0.03	0.01

- Pass 1 Results for 79 Labs - - Pass 2 Results for 77 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
Acid Soluble Iron, Other		241.99	1	0.77	0.01	0.01	1	0.77	0.01	0.01
Method Group 241.XX PCT			15	0.75	0.04	0.01	14	0.75	0.03	0.01
Lead, Atomic Absorption		251.00	2	1.92	0.79	0.57	2	1.92	0.79	0.57
Lead, ICP		251.30	10	2.17	1.55	0.20	9	2.04	1.57	0.13
Method Group 251.XX PPM			12	2.13	1.44	0.26	11	2.10	1.50	0.20
Acid Soluble Manganese, AA	972.02b	261.11	1	0.034	0.000	0.000	1	0.034	0.000	0.000
Acid Soluble Manganese, ICP	972.02a	261.30	13	0.035	0.002	0.001	12	0.035	0.002	0.001
Acid Soluble Manganese, ICP	972.02b	261.31	2	0.037	0.003	0.000	2	0.037	0.003	0.000
Acid Soluble Manganese, Other		261.99	1	0.033	0.000	0.000	1	0.033	0.000	0.000
Method Group 261.XX PCT			17	0.035	0.003	0.001	15	0.035	0.002	0.000
Mercury, ICP		281.30	2	0.17	0.15	0.05	2	0.17	0.15	0.05
Molybdenum, ICP		289.30	12	15.32	1.03	0.41	11	15.27	1.04	0.32
Molybdenum, Other		289.99	1	16.30	0.42	0.60	1	16.30	0.42	0.60
Method Group 289.XX PPM			13	15.40	1.03	0.42	12	15.35	1.04	0.34
Nickel, Atomic Absorption		291.00	1	9.00	0.00	0.00	1	9.00	0.00	0.00
Nickel, ICP		291.30	12	10.03	1.90	0.31	12	10.03	1.90	0.31
Nickel, Other		291.99	1	10.30	0.43	0.61	1	10.30	0.43	0.61
Method Group 291.XX PPM			14	9.97	1.78	0.31	14	9.97	1.78	0.31
Selenium, ICP		301.30	1	0.45	0.02	0.03	1	0.45	0.02	0.03
Selenium, Other		301.99	1	13.96	5.66	8.00	1	13.96	5.66	8.00
Method Group 301.XX PPM			2	7.20	8.46	4.02	2	7.20	8.46	4.02
Sodium, Other		311.99	5	0.18	0.02	0.00	4	0.17	0.01	0.00
Acid Soluble Zinc, Atomic Absorption	975.02	321.00	9	0.966	0.038	0.020	9	0.966	0.038	0.020
Acid Soluble Zinc, ICP		321.30	36	1.026	0.087	0.020	34	1.021	0.086	0.016
Acid Soluble Zinc, Other		321.99	2	0.835	0.066	0.020	2	0.835	0.066	0.020
Method Group 321.XX PCT			49	1.007	0.099	0.021	47	1.003	0.098	0.019
Water Soluble Zinc, Atomic Absorption		325.00	1	0.995	0.035	0.050	1	0.995	0.035	0.050
Water Soluble Zinc, ICP		325.30	2	0.742	0.442	0.005	2	0.742	0.442	0.005
Water Soluble Zinc, Other		325.99	1	1.026	0.021	0.030	1	1.026	0.021	0.030
Method Group 325.XX PCT			4	0.876	0.323	0.022	4	0.876	0.323	0.022

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT			Meth: 001.XX PCT			Meth: 010.12 PCT			Meth: 010.60 PCT			Meth: 010.99 PCT		
<u>Ammoniacal Nitrogen</u>			<u>Ammoniacal Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>		
<u>MgO Distillation</u>			<u>Other</u>			<u>Salicylic</u>			<u>Combustion</u>			<u>Other</u>		
470	12.20	1.15	255	11.93 R	.38	254	12.26	.93	354	12.09	.01	027	11.96	-1.56
481	12.14	.97	Avg	11.88		481	12.18	.30	Avg	12.09				
416	12.01	.60	476	11.83	-.25	Avg	12.15		393	12.08	-.08	Meth: 010.XX PCT		
444	11.99	.56	291	11.78	-.35	185	12.01	-1.24	035	12.08	-.08	<u>Total Nitrogen</u>		
Avg	11.81		486	11.50	-1.36	455	11.21 S	-8.03	231	12.06	-.16	309	12.56 s	3.32
486	11.50	-.95	027	11.46	-1.47	Meth: 010.60 PCT			117	12.08	-.24	230	12.45	2.38
105	11.43	-1.15	105	11.43	-1.59	<u>Total Nitrogen</u>			390	12.06	-.25	055	12.41	2.06
456	11.42	-1.16	456	11.42	-1.61	<u>Combustion</u>			041	12.03	-.34	025	12.39	1.96
230	10.29 s	-4.62	230	10.29 s	-5.66	230	12.45	2.10	482	12.05	-.36	029	12.37	1.83
Meth: 001.99 PCT			Meth: 002.99 PCT			055	12.41	1.82	262	12.00	-.51	291	12.34	1.60
<u>Ammoniacal Nitrogen</u>			<u>Nitrate Nitrogen</u>			025	12.39	1.73	389	12.00	-.51	247	12.26	1.09
<u>Other</u>			<u>Other</u>			029	12.37	1.62	444	12.00	-.52	254	12.26	1.09
487	13.18 s	5.42	393	0.00	.00	029	12.37	1.62	406	11.99	-.60	023	12.20	1.06
096	12.12	.76	Meth: 009.10 PCT			291	12.34	1.42	073	11.98	-.62	040	12.20	.97
474	12.11	.72	<u>Ammon & Nitrate N</u>			247	12.26	.96	307	12.08	-.66	049	12.23	.95
371	12.09	.65	<u>Devarda</u>			023	12.20	.94	426	12.00	-.88	105	12.24	.95
393	12.08	.62	090	12.16	1.06	040	12.20	.86	292	11.90	-1.11	360	12.20	.82
493	12.08	.58	393	12.08	.72	049	12.23	.85	095	11.89	-1.15	043	12.22	.82
Avg	11.94		Avg	11.92		105	12.24	.84	488	11.95 R	-1.17	102	12.10	.79
255	11.93 R	-.42	444	11.74	-.86	360	12.20	.73	131	11.88	-1.30	451	12.12	.77
476	11.83	-.54	309	11.71	-1.06	043	12.22	.73	351	11.86	-1.32	096	12.19	.67
291	11.78	-.71	Meth: 010.11 PCT			102	12.10	.69	042	11.93 R	-1.34	007	12.10	.66
027	11.46	-2.11	<u>Total Nitrogen</u>			451	12.12	.68	450	11.85	-1.40	255	12.12	.64
Meth: 001.XX PCT			<u>Modified Comprehensi</u>			096	12.19	.59	009	11.75	-1.97	481	12.18	.59
<u>Ammoniacal Nitrogen</u>			<u>Modified Comprehensi</u>			007	12.10	.58	443	11.75 R	-2.30	485	12.17	.53
487	13.18 s	4.53	309	12.56 s	8.37	255	12.12	.57	028	11.69	-2.45	157	12.15	.51
470	12.20	1.10	105	12.11	1.09	485	12.17	.47	402	11.66	-2.47	483	12.17	.49
481	12.14	.89	456	12.07	.47	157	12.15	.46	324	11.60 S	-2.87	405	12.16	.44
096	12.12	.82	Avg	12.04		483	12.17	.44	Meth: 010.99 PCT			421	12.10	.36
474	12.11	.79	211	12.03	-.11	405	12.16	.39	<u>Total Nitrogen</u>			486	12.10	.33
371	12.09	.73	114	11.95	-1.44	421	12.10	.32	<u>Other</u>			452	12.13	.29
393	12.08	.71	137	11.98 R	-1.73	486	12.10	.30	200	12.12	1.10	136	12.13	.23
493	12.08	.68	Meth: 010.99 PCT			452	12.13	.26	460	12.08	.58	200	12.12	.23
416	12.01	.45	<u>Total Nitrogen</u>			136	12.13	.21	371	12.08	.42	377	12.11	.14
444	11.99	.43	<u>Other</u>			377	12.11	.13	Avg	12.05		105	12.11	.13
						325	12.10	.07	255	12.01	-.58	325	12.10	.07
						489	12.09	.06				489	12.09	.07

* 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: 020.10 PCT			Meth: 020.40 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>		
354	12.09	.00	<u>Grav Quimociac</u>			<u>Automated</u>			482	45.10 s	8.90	322	40.24	-1.30
Avg	12.09		114	41.41 R	1.67	247	41.04	1.52	483	44.11 s	6.76	200	40.22	-1.34
393	12.08	-.09	211	41.34	1.39	096	40.94	.43	390	42.45 A	3.32	200	40.22	-1.35
035	12.08	-.10	090	41.12	.99	Avg	40.89		481	41.89	2.23	255	40.08 R	-1.79
371	12.08	-.10	105	40.92	.50	456	40.87	-.49	402	41.72	1.81	041	39.88	-2.05
460	12.08	-.14	493	40.93	.49	470	40.85	-.51	489	41.63	1.59	307	40.49 R	-2.10
456	12.07	-.19	470	40.91	.44	105	40.79	-1.23	114	41.41	1.28	042	39.86 R	-2.36
231	12.06	-.19	Avg	40.71		042	39.86 R	-12.13	211	41.34	1.00	389	39.65	-2.53
117	12.08	-.27	444	40.63	-.23	035	38.47 S	-25.37	324	41.30	.94	455	38.98 s	-4.21
390	12.06	-.29	157	40.40	-.71	Meth: 020.50 PCT			426	41.20	.92	035	38.47 s	-5.00
041	12.03	-.39	322	40.24	-1.03	<u>Total Phosphate</u>			416	41.29	.89	309	35.34 s	-11.51
211	12.03	-.39	041	39.88	-1.81	<u>ICP</u>			090	41.12	.66	262	14.53 s	-54.89
482	12.05	-.42	262	14.53 s	-57.48	482	45.10 s	5.69	474	41.14	.59	Meth: 030.10 PCT		
255	12.01	-.51	Meth: 020.20 PCT			483	44.11 S	4.33	292	41.11	.53	Insoluble Phosphate		
389	12.00	-.59	<u>Total Phosphate</u>			390	42.45	2.12	452	41.06	.49	<u>Grav Quimociac</u>		
262	12.00	-.59	<u>Spectrometric</u>			402	41.72	1.15	406	41.07	.42	090	0.16	.71
185	12.01	-.60	481	41.89 R	2.50	426	41.20	.58	247	41.06	.42	Meth: 030.20 PCT		
444	12.00	-.60	489	41.63	1.68	474	41.14	.37	450	41.03	.39	Insoluble Phosphate		
406	11.99	-.68	324	41.30	.87	452	41.06	.31	247	41.04	.37	<u>Spectrometric</u>		
073	11.98	-.72	292	41.11	.35	247	41.06	.26	105	40.92	.21	489	1.58	-.71
307	12.08	-.75	450	41.03	.24	Avg	40.87		096	40.94	.15	Meth: 030.40 PCT		
027	11.96	-.89	406	41.07	.22	451	40.71	-.26	493	40.93	.14	Insoluble Phosphate		
114	11.95	-.96	Avg	40.98		291	40.56	-.42	405	40.90	.13	<u>Automated</u>		
137	11.98	-.97	405	40.90	-.25	421	40.55	-.43	470	40.91	.09	096	0.40	-.71
426	12.00	-1.00	231	40.85	-.37	393	40.29	-.78	456	40.87	.09	Meth: 030.50 PCT		
292	11.90	-1.27	371	40.75	-.65	255	40.08	-1.16	Avg	40.86		Insoluble Phosphate		
095	11.89	-1.31	200	40.22	-2.01	307	40.49 R	-1.35	470	40.85	-.04	<u>ICP</u>		
488	11.95 R	-1.34	309	35.34 s	-14.79	389	39.65	-1.63	231	40.85	-.11	255	0.07	-.71
131	11.88	-1.48	Meth: 020.30 PCT			Meth: 020.99 PCT			487	40.79	-.15	Insoluble Phosphate		
351	11.86	-1.51	<u>Total Phosphate</u>			<u>Total Phosphate</u>			105	40.79	-.19	<u>Other</u>		
042	11.93 R	-1.52	<u>Alka Quimociac</u>			<u>Other</u>			371	40.75	-.28	Meth: 030.99 PCT		
450	11.85	-1.60	416	41.29	.71	487	40.79	1.19	451	40.71	-.39	Insoluble Phosphate		
009	11.75	-2.24	Meth: 020.99 PCT			Meth: 020.99 PCT			444	40.63	-.51	<u>Automated</u>		
443	11.75 R	-2.62	<u>Total Phosphate</u>			<u>Total Phosphate</u>			291	40.56	-.63	096	0.40	-.71
028	11.69 R	-2.79	<u>Alka Quimociac</u>			<u>Other</u>			421	40.55	-.66	Meth: 030.99 PCT		
402	11.66	-2.81	<u>Alka Quimociac</u>			<u>Other</u>			460	40.44	-.89	Insoluble Phosphate		
324	11.60 s	-3.26	<u>Alka Quimociac</u>			<u>Other</u>			157	40.40	-.99	<u>Other</u>		
455	11.21 s	-5.79	<u>Alka Quimociac</u>			<u>Other</u>			393	40.29	-1.21	247	0.23	.71

* 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: 030.XX PCT			Meth: 041.10 PCT			Meth: 041.50 PCT			Meth: 041.XX PCT			Meth: 048.50 PCT		
<u>Insoluble Phosphate</u>			Dir Available Phosph			Dir Available Phosph			<u>Dir Available Phosph</u>			Water Soluble Phosph		
489	1.58	1.86	<u>Grav Quimociac</u>			<u>ICP</u>			486	40.53	.60	<u>ICP</u>		
Avg	0.49		254	41.40	1.79	055	39.52	-.70	049	40.53	.59	393	35.46	.71
096	0.40	-.16	009	40.80	.73	007	39.25	-1.12	105	40.31	.58	Meth: 048.99 PCT		
247	0.23	-.44	040	40.85	.72	023	39.12	-1.34	452	40.49	.52	Water Soluble Phosph		
090	0.16	-.56	086	40.67	.40	137	39.08	-1.44	485	40.26	.49	<u>Other</u>		
255	0.07	-.71	049	40.53	.11	325	0.20 s	-63.28	351	40.22	.09	247	36.00	.71
Meth: 040.10 PCT			Avg 40.48			Meth: 041.60 PCT			Avg 40.21			Meth: 048.XX PCT		
InDir Available Phos			485	40.26	-.67	Dir Available Phosph			095	40.16	-.09	<u>Water Soluble Phosph</u>		
<u>Grav Quim</u>			055	40.07	-.81	<u>EDTA Extract</u>			105	40.13	-.16	247	36.00	1.04
090	40.96	.71	105	40.04	-.85	043	40.75	1.23	043	40.14	-.21	096	35.89	.62
Meth: 040.20 PCT			102	39.70	-1.50	231	40.70	1.07	073	40.08	-.29	Avg	35.72	
InDir Available Phos			185	37.30 s	-6.13	029	40.67	.97	136	40.05	-.29	393	35.46	-.99
<u>Spectrometri</u>			Meth: 041.20 PCT			Avg 40.37			393	40.05	-.30	444	35.54	-1.03
489	40.05	.02	Dir Available Phosph			351	40.22	-.52	055	40.07	-.32	Meth: 050.30 PCT		
Avg	40.05		<u>Spectrometric</u>			105	40.13	-.79	105	40.04	-.32	Soluble Potash		
476	40.05	-1.22	262	40.05	.71	073	40.08	-.98	360	40.15	-.55	<u>AA (Oxalate)</u>		
Meth: 040.40 PCT			Meth: 041.40 PCT			Meth: 041.99 PCT			255	40.01	-.76	262	29.73 S	.00
InDir Available Phos			Dir Available Phosph			Dir Available Phosph			102	39.70	-.93	Meth: 050.50 PCT		
<u>Automated</u>			<u>Automated</u>			<u>Other</u>			009	39.60	-1.18	Soluble Potash		
096	40.54	.71	131	40.57	.94	105	40.31	.71	055	39.52	-1.27	<u>ICP (Oxalate)</u>		
Meth: 040.50 PCT			Avg	40.36		Avg	40.31		007	39.25	-1.76	444	4.58	1.62
InDir Available Phos			095	40.16	-.79	230	36.70 S	-8.37	023	39.12	-2.01	Avg	1.27	
<u>ICP</u>			Meth: 041.50 PCT			Meth: 041.XX PCT			137	39.08	-2.12	292	0.20	-.52
488	38.37	-.71	Dir Available Phosph			<u>Dir Available Phosph</u>			185	37.30 s	-5.34	354	0.15	-.54
Meth: 040.XX PCT			<u>ICP</u>			254	41.40	2.18	230	36.70 s	-6.44	488	0.14	-.55
InDir Available Phos			377	40.84	1.53	377	40.84	1.33	325	0.20 s	-73.23	Meth: 050.51 PCT		
090	40.96	1.05	354	40.61	1.33	354	40.61 R	1.19	Meth: 048.10 PCT			Soluble Potash		
096	40.54	.59	486	40.53	.93	040	40.85	1.17	Water Soluble Phosph			<u>ICP (Citrate)</u>		
476	40.05	.15	452	40.49	.86	009	40.80	1.14	<u>Grav Quimociac</u>			096	0.24	1.55
489	40.05	.06	255	40.01	.58	043	40.75	.99	444	35.54	.71	393	0.20	.71
Avg	39.99		360	40.15	.56	231	40.70	.90	Meth: 048.20 PCT			009	0.20	.46
488	38.37	-1.74	043	40.14	.32	086	40.67	.85	Water Soluble Phosph			Avg	0.18	
Meth: 040.50 PCT			393	40.05	.15	029	40.67	.84	<u>Spectrometric</u>			483	0.16	-.84
InDir Available Phos			Avg	39.95		131	40.57	.70	096	35.89	.71	Meth: 050.51 PCT		
<u>ICP</u>			009	39.60	-.64	Meth: 041.99 PCT			Avg 40.21			Soluble Potash		
488			Meth: 041.50 PCT			Dir Available Phosph			Meth: 048.10 PCT			<u>ICP (Citrate)</u>		
38.37			Dir Available Phosph			<u>ICP</u>			Water Soluble Phosph			096		
-.71			Dir Available Phosph			377			Grav Quimociac			393		
			ICP			486			444			009		
			377			486			444			Avg		
			486			452			444			483		
			452			255			444					
			360			043			444					
			043			393			444					
			393			Avg			444					
			Avg			009			444					
			009			131			444					

* 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: 050.51 PCT			Meth: 060.00 PCT			Meth: 101.30 PCT			Meth: 121.30 PCT			Meth: 121.XX PCT		
<u>Soluble Potash</u>			<u>Free Water</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>		
<u>ICP (Citrates)</u>			<u>Vacuum Oven</u>			<u>ICP</u>			<u>ICP</u>					
389	0.15	-.91	096	1.02	1.23	421	0.26	-.18	421	0.74 s	8.18	474	0.38	-.84
377	0.15	-.91	247	0.95	.70	009	0.26	-.18	482	0.51	2.09	354	0.35	-1.38
			416	0.88	.22	247	0.25	-.38	035	0.46	.97	105	0.30	-2.38
Meth: 050.99 PCT			Avg 0.85			389 0.25 -.38			390 0.45 .87			Meth: 144.01 PCT		
<u>Soluble Potash</u>			007 0.76 -.70			102 0.24 -.46			452 0.46 .85			<u>Sulfur</u>		
<u>Other</u>			493 0.66 -1.40			474 0.24 -.47			389 0.44 .30			<u>Gravimetric</u>		
325	38.60 S	21.09				131 0.23 -.58			096 0.43 .14			028 10.82 1.08		
444	4.44	1.89	Meth: 060.20 PCT			041 0.22 -.88			009 0.43 .14			055 10.33 .89		
Avg	1.07		<u>Free Water</u>			354 0.17 -2.04			131 0.43 .12			095 10.19 R .84		
450	0.50	-.32	<u>Karl Fischer</u>			Meth: 101.XX PCT			Avg 0.42			485 10.13 R .81		
482	0.16	-.51	371 1.22 .00			<u>Acid Soluble Calcium</u>			102 0.42 -.03			029 10.10 .80		
474	0.14	-.52	Meth: 060.XX PCT			035 0.35 1.92			247 0.42 -.28			157 10.10 .80		
421	0.13	-.53	<u>Free Water</u>			393 0.34 1.60			450 0.42 -.53			073 10.08 .79		
Meth: 050.XX PCT			371 1.22 1.61			096 0.31 1.05			393 0.40 -.78			041 10.08 .79		
<u>Soluble Potash</u>			096 1.02 .59			482 0.30 .83			041 0.39 -1.04			137 10.05 .78		
325	38.60 s	31.75	247 0.95 .21			390 0.29 R .59			474 0.38 -1.30			043 10.03 .77		
262	29.73 s	24.35	Avg 0.92			452 0.28 .32			354 0.35 -1.96			114 9.75 .66		
444	4.58	3.40	416 0.88 -.19			Avg 0.26			Meth: 121.XX PCT			102 9.72 .65		
444	4.44 R	3.27	007 0.76 -.83			421 0.26 -.18			<u>Acid Soluble Magnesi</u>			105 9.60 .60		
Avg	0.51		493 0.66 -1.35			009 0.26 -.18			262 1.28 s 18.12			324 5.30 -1.12		
450	0.50 R	-.05	Meth: 101.00 PCT			105 0.25 -.21			421 0.74 s 6.85			489 5.26 -1.13		
096	0.24	-.22	<u>Acid Soluble Calcium</u>			247 0.25 -.38			482 0.51 1.90			262 5.11 -1.19		
009	0.20	-.26	<u>AA</u>			389 0.25 -.38			035 0.46 1.00			481 4.90 -1.27		
393	0.20	-.26	105 0.25 .71			102 0.24 -.46			452 0.46 .90			444 4.89 -1.28		
292	0.20	-.26	Meth: 101.30 PCT			474 0.24 -.47			390 0.45 .90			200 4.89 -1.28		
483	0.16	-.29	<u>Acid Soluble Calcium</u>			131 0.23 -.59			389 0.44 .44			230 4.78 -1.32		
482	0.16	-.29	<u>ICP</u>			041 0.22 -.90			450 0.42 .44			Meth: 144.02 PCT		
377	0.15	-.30	035 0.35 1.84			354 0.17 -2.10			096 0.43 .32			<u>Sulfur</u>		
389	0.15	-.30	393 0.34 1.53			Meth: 121.00 PCT			009 0.43 .32			<u>Gravimetric</u>		
354	0.15	-.30	096 0.31 1.00			<u>Acid Soluble Magnesi</u>			131 0.43 .29			292 9.56 .71		
474	0.14	-.31	482 0.30 .79			<u>AA</u>			102 0.42 .18					
488	0.14	-.31	262 1.28 S 21.22			247 0.42 .11			Avg 0.41			Meth: 144.70 PCT		
421	0.13	-.32	390 0.29 R .55			Avg 0.34			393 0.40 -.43			<u>Sulfur</u>		
			452 0.28 .29			105 0.30 -.86			041 0.39 -.67			<u>Spectrometric</u>		
			Avg 0.26						043 0.38 -.80			426 5.01 .71		

* 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: 191.00 PPM Chromium			Meth: 202.00 PPM Acid Soluble Cobalt			Meth: 221.00 PCT Acid Soluble Copper			Meth: 221.XX PCT Acid Soluble Copper			Meth: 241.30 PCT Acid Soluble Iron		
<u>Atomic Absorption</u>			<u>AA</u>			<u>Atomic Absorption</u>			<u>ICP</u>			<u>ICP</u>		
481	92.00	.71	136	2.50	.71	262	0.0100 S	18.76	102	0.0015	.44	474	0.73	-.62
Meth: 191.30 PPM Chromium			Meth: 202.30 PPM Acid Soluble Cobalt			Meth: 221.30 PCT Acid Soluble Copper			Meth: 241.99 PCT Acid Soluble Iron			Meth: 241.30 PCT Acid Soluble Iron		
<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
482	84.65	1.73	102	3.75	1.62	043	0.0020	1.04	486	0.0015	.44	354	0.71	-1.06
009	80.50	1.06	220	3.45	1.00	481	0.0015	.11	096	0.0016	.42	307	0.71	-1.15
102	79.11	.84	035	3.10	.59	Avg	0.0015		389	0.0016	.32	Meth: 241.99 PCT Acid Soluble Iron		
452	78.63	.76	452	2.99	.23	105	0.0011	-1.18	481	0.0015	.28	Other		
450	77.00	.59	009	2.90	.18	Meth: 221.30 PCT Acid Soluble Copper			474	0.0014	.19	Meth: 241.99 PCT Acid Soluble Iron		
096	76.20	.36	Avg	2.85		<u>ICP</u>			230	0.0014	.03	Other		
Avg	73.95		482	2.82	-.27	324	0.0095 s	15.31	Avg	0.0014		Meth: 241.99 PCT Acid Soluble Iron		
393	72.80	-.19	474	2.50	-1.03	402	0.0025 R	2.32	444	0.0013	-.21	Meth: 241.99 PCT Acid Soluble Iron		
474	73.00	-.22	450	2.15	-1.18	393	0.0024	1.97	452	0.0011	-.56	Meth: 241.99 PCT Acid Soluble Iron		
035	72.65	-.38	486	2.03	-1.38	035	0.0020	1.10	220	0.0011	-.72	Meth: 241.99 PCT Acid Soluble Iron		
230	71.15	-.46	Meth: 202.99 PPM Acid Soluble Cobalt			096	0.0016	.45	041	0.0010	-.75	Meth: 241.99 PCT Acid Soluble Iron		
220	66.50	-1.23	<u>Other</u>			102	0.0015	.45	009	0.0010	-.75	Meth: 241.99 PCT Acid Soluble Iron		
486	64.75	-1.50	255	2.36	.71	486	0.0015	.45	105	0.0011	-.82	Meth: 241.99 PCT Acid Soluble Iron		
444	64.42	-1.55	Meth: 202.XX PPM Acid Soluble Cobalt			389	0.0016	.36	354	0.0000	-2.68	Meth: 241.99 PCT Acid Soluble Iron		
Meth: 191.XX PPM Chromium			Meth: 202.XX PPM Acid Soluble Cobalt			474	0.0014	.20	Meth: 241.00 PCT Acid Soluble Iron			Meth: 241.99 PCT Acid Soluble Iron		
481	92.00	2.21	102	3.75	1.76	230	0.0014	.06	<u>Atomic Absorption</u>			Meth: 241.99 PCT Acid Soluble Iron		
482	84.65	1.24	220	3.45	1.15	Avg	0.0014		043	0.75	.70	Meth: 241.99 PCT Acid Soluble Iron		
009	80.50	.69	035	3.10	.69	444	0.0013	-.16	Avg	0.74		Meth: 241.99 PCT Acid Soluble Iron		
102	79.11	.52	452	2.99	.37	452	0.0011	-.50	105	0.74	-1.00	Meth: 241.99 PCT Acid Soluble Iron		
452	78.63	.45	482	2.82	.27	220	0.0011	-.65	450	1.95 s	37.86	Meth: 241.99 PCT Acid Soluble Iron		
450	77.00	.35	009	2.90	.27	009	0.0010	-.68	482	0.89 S	4.55	Meth: 241.99 PCT Acid Soluble Iron		
096	76.20	.13	Avg	2.78		041	0.0010	-.68	041	0.86 R	3.41	Meth: 241.99 PCT Acid Soluble Iron		
Avg	75.24		255	2.36	-.83	354	0.0000	-2.55	102	0.81	1.90	Meth: 241.99 PCT Acid Soluble Iron		
393	72.80	-.32	136	2.50	-.97	Meth: 221.XX PCT Acid Soluble Copper			035	0.80	1.81	Meth: 241.99 PCT Acid Soluble Iron		
474	73.00	-.32	474	2.50	-.97	262	0.0100 s	16.58	009	0.76	.34	Meth: 241.99 PCT Acid Soluble Iron		
035	72.65	-.43	450	2.15	-1.07	324	0.0095 s	15.72	389	0.75	.15	Meth: 241.99 PCT Acid Soluble Iron		
230	71.15	-.54	486	2.03	-1.27	402	0.0025 R	2.34	Avg	0.74		Meth: 241.99 PCT Acid Soluble Iron		
220	66.50	-1.17	Meth: 202.XX PPM Acid Soluble Cobalt			393	0.0024	1.98	452	0.74	-.07	Meth: 241.99 PCT Acid Soluble Iron		
486	64.75	-1.38	102	3.75	1.76	043	0.0020	1.16	131	0.74	-.26	Meth: 241.99 PCT Acid Soluble Iron		
444	64.42	-1.43	220	3.45	1.15	035	0.0020	1.08	247	0.73	-.45	Meth: 241.99 PCT Acid Soluble Iron		
Meth: 191.XX PPM Chromium			Meth: 202.XX PPM Acid Soluble Cobalt			433	0.0017	.66	096	0.73	-.62	Meth: 241.99 PCT Acid Soluble Iron		
481	92.00	2.21	102	3.75	1.76	Meth: 221.XX PCT Acid Soluble Copper			Meth: 241.30 PCT Acid Soluble Iron			Meth: 241.99 PCT Acid Soluble Iron		
482	84.65	1.24	220	3.45	1.15	262	0.0100 s	16.58	<u>ICP</u>			Meth: 241.99 PCT Acid Soluble Iron		
009	80.50	.69	035	3.10	.69	324	0.0095 s	15.72	450	1.95 s	37.86	Meth: 241.99 PCT Acid Soluble Iron		
102	79.11	.52	452	2.99	.37	402	0.0025 R	2.34	482	0.89 S	4.55	Meth: 241.99 PCT Acid Soluble Iron		
452	78.63	.45	482	2.82	.27	393	0.0024	1.98	041	0.86 R	3.41	Meth: 241.99 PCT Acid Soluble Iron		
450	77.00	.35	009	2.90	.27	043	0.0020	1.16	102	0.81	1.90	Meth: 241.99 PCT Acid Soluble Iron		
096	76.20	.13	Avg	2.78		035	0.0020	1.08	035	0.80	1.81	Meth: 241.99 PCT Acid Soluble Iron		
Avg	75.24		255	2.36	-.83	433	0.0017	.66	009	0.76	.34	Meth: 241.99 PCT Acid Soluble Iron		
393	72.80	-.32	136	2.50	-.97	Meth: 221.XX PCT Acid Soluble Copper			389	0.75	.15	Meth: 241.99 PCT Acid Soluble Iron		
474	73.00	-.32	474	2.50	-.97	262	0.0100 s	16.58	Avg	0.74		Meth: 241.99 PCT Acid Soluble Iron		
035	72.65	-.43	450	2.15	-1.07	324	0.0095 s	15.72	452	0.74	-.07	Meth: 241.99 PCT Acid Soluble Iron		
230	71.15	-.54	486	2.03	-1.27	402	0.0025 R	2.34	131	0.74	-.26	Meth: 241.99 PCT Acid Soluble Iron		
220	66.50	-1.17	Meth: 202.XX PPM Acid Soluble Cobalt			393	0.0024	1.98	247	0.73	-.45	Meth: 241.99 PCT Acid Soluble Iron		
486	64.75	-1.38	102	3.75	1.76	043	0.0020	1.16	096	0.73	-.62	Meth: 241.99 PCT Acid Soluble Iron		
444	64.42	-1.43	220	3.45	1.15	035	0.0020	1.08	Meth: 241.00 PCT Acid Soluble Iron			Meth: 241.99 PCT Acid Soluble Iron		
Meth: 191.XX PPM Chromium			Meth: 202.XX PPM Acid Soluble Cobalt			433	0.0017	.66	<u>Atomic Absorption</u>			Meth: 241.99 PCT Acid Soluble Iron		
481	92.00	2.21	102	3.75	1.76	Meth: 221.XX PCT Acid Soluble Copper			136	2.50	.97	Meth: 241.99 PCT Acid Soluble Iron		
482	84.65	1.24	220	3.45	1.15	262	0.0100 s	16.58	Avg	1.92		Meth: 241.99 PCT Acid Soluble Iron		
009	80.50	.69	035	3.10	.69	324	0.0095 s	15.72	476	1.34	-.74	Meth: 241.99 PCT Acid Soluble Iron		
102	79.11	.52	452	2.99	.37	402	0.0025 R	2.34	Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
452	78.63	.45	482	2.82	.27	393	0.0024	1.98	<u>Atomic Absorption</u>			Meth: 241.99 PCT Acid Soluble Iron		
450	77.00	.35	009	2.90	.27	043	0.0020	1.16	136	2.50	.97	Meth: 241.99 PCT Acid Soluble Iron		
096	76.20	.13	Avg	2.78		035	0.0020	1.08	Avg	1.92		Meth: 241.99 PCT Acid Soluble Iron		
Avg	75.24		255	2.36	-.83	433	0.0017	.66	476	1.34	-.74	Meth: 241.99 PCT Acid Soluble Iron		
393	72.80	-.32	136	2.50	-.97	Meth: 221.XX PCT Acid Soluble Copper			Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
474	73.00	-.32	474	2.50	-.97	262	0.0100 s	16.58	<u>Atomic Absorption</u>			Meth: 241.99 PCT Acid Soluble Iron		
035	72.65	-.43	450	2.15	-1.07	324	0.0095 s	15.72	136	2.50	.97	Meth: 241.99 PCT Acid Soluble Iron		
230	71.15	-.54	486	2.03	-1.27	402	0.0025 R	2.34	Avg	1.92		Meth: 241.99 PCT Acid Soluble Iron		
220	66.50	-1.17	Meth: 202.XX PPM Acid Soluble Cobalt			393	0.0024	1.98	476	1.34	-.74	Meth: 241.99 PCT Acid Soluble Iron		
486	64.75	-1.38	102	3.75	1.76	043	0.0020	1.16	Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
444	64.42	-1.43	220	3.45	1.15	035	0.0020	1.08	<u>Atomic Absorption</u>			Meth: 241.99 PCT Acid Soluble Iron		
Meth: 191.XX PPM Chromium			Meth: 202.XX PPM Acid Soluble Cobalt			433	0.0017	.66	Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
481	92.00	2.21	102	3.75	1.76	Meth: 221.XX PCT Acid Soluble Copper			Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
482	84.65	1.24	220	3.45	1.15	262	0.0100 s	16.58	<u>Atomic Absorption</u>			Meth: 241.99 PCT Acid Soluble Iron		
009	80.50	.69	035	3.10	.69	324	0.0095 s	15.72	136	2.50	.97	Meth: 241.99 PCT Acid Soluble Iron		
102	79.11	.52	452	2.99	.37	402	0.0025 R	2.34	Avg	1.92		Meth: 241.99 PCT Acid Soluble Iron		
452	78.63	.45	482	2.82	.27	393	0.0024	1.98	476	1.34	-.74	Meth: 241.99 PCT Acid Soluble Iron		
450	77.00	.35	009	2.90	.27	043	0.0020	1.16	Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
096	76.20	.13	Avg	2.78		035	0.0020	1.08	<u>Atomic Absorption</u>			Meth: 241.99 PCT Acid Soluble Iron		
Avg	75.24		255	2.36	-.83	433	0.0017	.66	Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
393	72.80	-.32	136	2.50	-.97	Meth: 221.XX PCT Acid Soluble Copper			Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
474	73.00	-.32	474	2.50	-.97	262	0.0100 s	16.58	Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
035	72.65	-.43	450	2.15	-1.07	324	0.0095 s	15.72	Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
230	71.15	-.54	486	2.03	-1.27	402	0.0025 R	2.34	Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
220	66.50	-1.17	Meth: 202.XX PPM Acid Soluble Cobalt			393	0.0024	1.98	Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
486	64.75	-1.38	102	3.75	1.76	043	0.0020	1.16	Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		
444	64.42	-1.43	220	3.45	1.15	035	0.0020	1.08	Meth: 251.00 PPM Lead			Meth: 241.99 PCT Acid Soluble Iron		

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

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 301.99 PPM			Meth: 321.30 PCT			Meth: 321.99 PCT			Meth: 321.XX PCT			Meth: 325.XX PCT		
Selenium			Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc			Water Soluble Zinc		
<u>Other</u>			<u>ICP</u>			<u>Other</u>								
255	13.96	.71	483	1.250	2.68	042	0.890	.89	460	0.990	-.16	393	1.125	.77
			482	1.150 R	1.58	Avg	0.835		444	0.995	-.17	450	1.026	.46
			102	1.140	1.40	487	0.780	-.84	105	0.984	-.21	028	0.995	.37
Meth: 301.XX PPM			035 1.130 1.28			Meth: 321.XX PCT			157 0.978 -.26			Avg 0.876		
Selenium			231 1.125 1.22			Acid Soluble Zinc			043 0.960 -.45			444 0.360 -1.60		
<u>Other</u>			452 1.118 1.13						291 0.960 -.45					
255	13.96	.93	117 1.100 .99			483 1.250 2.54			307 0.959 -.51					
Avg	7.20		292 1.105 .98			481 1.240 2.45			029 0.944 -.62					
393	0.45	-.80	390 1.090 R .93			482 1.150 R 1.57			485 0.941 -.68					
			360 1.100 .92			102 1.140 1.41			220 0.935 -.69					
Meth: 311.99 PCT			421 1.060 .46			035 1.130 1.31			262 0.910 -.95					
Sodium			023 1.048 .32			231 1.125 1.26			247 0.890 -1.15					
<u>Other</u>			255 1.040 .28			452 1.118 1.18			042 0.890 -1.17					
035	0.20 R	2.50	009 1.040 .22			292 1.105 1.05			230 0.881 -1.25					
354	0.19	1.54	450 1.026 .18			117 1.100 1.04			474 0.870 -1.36					
Avg	0.17		354 1.035 .17			360 1.100 1.00			041 0.820 -1.88					
009	0.17	-.03	131 1.025 .07			390 1.090 R .99			476 0.800 -2.08					
102	0.16	-.70	486 1.025 .07			421 1.060 .59			487 0.780 -2.28					
482	0.16	-.81	095 1.025 .05			023 1.048 .47								
			Avg 1.021			255 1.040 .41			Meth: 325.00 PCT					
Meth: 321.00 PCT			433 1.018 -.06			009 1.040 .38			Water Soluble Zinc					
Acid Soluble Zinc			489 1.015 -.09			354 1.035 .34			<u>Atomic Absorption</u>					
<u>Atomic Absorption</u>			389 1.015 -.09			450 1.026 .29			028 0.995 .71					
481	1.240 s	7.16	402 1.000 -.25			131 1.025 .24								
200	1.020	1.42	324 1.001 -.26			486 1.025 .24			Meth: 325.30 PCT					
040	1.013	1.23	055 1.000 -.27			095 1.025 .23			Water Soluble Zinc					
460	0.990	.67	426 0.998 -.32			200 1.020 .21			<u>ICP</u>					
105	0.984	.51	444 0.995 -.35			433 1.018 .16			393 1.125 .87					
Avg	0.966		027 0.989 -.38			389 1.015 .14			Avg 0.742					
043	0.960	-.30	157 0.978 -.51			489 1.015 .14			444 0.360 -.87					
029	0.944	-.72	291 0.960 -.72			040 1.013 .13								
351	0.934	-.86	307 0.959 -.78			Avg 1.003			Meth: 325.99 PCT					
485	0.941	-.89	220 0.935 -1.01			402 1.000 -.04			Water Soluble Zinc					
262	0.910	-1.46	247 0.890 -1.53			324 1.001 -.10			<u>Other</u>					
476	0.800 s	-4.35	230 0.881 -1.64			055 1.000 -.11			450 1.026 .71					
			474 0.870 -1.76			426 0.998 -.15								
			041 0.820 -2.36			027 0.989 -.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	8	- 0.57	1.86	0.34	144.XX	45	0.05	0.97	0.16
001.99	10	0.54	1.94	0.20	151.00	2	0.00	1.22	0.10
001.XX	18	- 0.05	1.97	0.29	151.30	10	0.00	1.01	0.15
009.10	4	0.00	1.03	0.28	151.XX	13	0.00	1.01	0.16
009.XX	4	0.00	1.03	0.28	165.99	6	0.000	1.024	0.206
010.11	6	1.15	3.37	1.41	165.XX	6	0.000	1.024	0.206
010.12	4	- 1.99	4.09	0.50	181.00	2	0.00	1.03	0.46
010.60	55	- 0.12	1.04	0.39	181.30	15	- 0.14	4.57	0.74
010.99	5	0.00	0.95	0.41	181.XX	17	- 0.06	4.04	0.67
010.XX	68	- 0.19	1.33	0.46	191.30	13	0.00	1.01	0.17
020.10	11	- 5.08	17.41	0.24	191.XX	14	0.00	1.01	0.14
020.20	11	- 1.13	4.68	0.29	202.30	9	0.00	0.94	0.39
020.40	7	- 5.16	9.78	2.22	202.XX	11	0.00	0.90	0.46
020.50	15	0.63	2.00	0.41	221.00	4	4.6898	9.4179	0.2898
020.99	4	- 1.45	3.04	1.40	221.30	17	1.0201	3.8123	0.4928
020.XX	45	- 1.33	8.64	0.50	221.XX	21	1.6353	4.9207	0.4696
030.XX	5	0.00	1.06	0.02	241.00	2	0.00	0.57	0.77
040.20	2	0.00	0.03	0.87	241.30	14	3.16	9.74	2.72
040.XX	5	0.00	1.05	0.10	241.XX	17	2.87	9.81	2.74
041.10	10	- 0.61	2.16	0.23	251.00	2	0.00	1.04	0.45
041.40	2	0.00	1.12	0.36	251.30	10	0.09	1.01	0.10
041.50	14	- 4.52	16.94	0.37	251.XX	12	0.02	0.98	0.13
041.60	7	0.00	1.03	0.15	261.30	13	0.121	1.056	0.242
041.99	2	- 4.18	5.91	0.60	261.31	2	0.000	1.223	0.045
041.XX	31	- 2.70	13.21	0.40	261.XX	17	0.080	1.007	0.198
048.XX	4	0.00	0.98	0.40	281.30	2	0.00	1.19	0.21
050.50	4	0.00	1.08	0.01	281.XX	2	0.00	1.19	0.21
050.51	6	0.00	0.99	0.32	289.30	13	2.22	7.89	2.37
050.99	6	3.52	8.66	0.02	289.XX	14	2.05	7.59	2.28
050.XX	16	3.50	9.72	0.05	291.30	13	0.34	1.58	0.15
060.00	5	0.00	1.04	0.17	291.XX	15	0.32	1.58	0.15
060.XX	6	0.00	1.04	0.11	301.XX	2	0.00	1.13	0.33
101.30	15	0.03	0.99	0.10	311.99	5	0.47	1.41	0.37
101.XX	16	0.03	0.99	0.10	311.XX	5	0.47	1.41	0.37
121.00	3	7.07	12.28	0.22	321.00	11	0.255	2.761	0.396
121.30	16	0.51	2.26	0.23	321.30	36	0.064	1.011	0.164
121.XX	19	1.31	4.46	0.19	321.99	2	0.000	1.186	0.216
144.01	20	0.08	0.99	0.03	321.XX	49	0.049	1.008	0.147
144.99	28	0.02	0.99	0.05	325.30	2	0.000	1.225	0.008

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
325.XX	3	- 0.154	1.266	0.046					