

- Pass 1 Results for 67 Labs - - Pass 2 Results for 66 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
Total Nitrogen, Combustion		010.60	8	2.34	0.12	0.03	7	2.32	0.12	0.02
Total Phosphate, Spectrometric	958.01	020.20	2	0.24	0.16	0.17	2	0.24	0.16	0.17
Total Phosphate, Automated	978.01	020.40	1	0.21	0.01	0.01	1	0.21	0.01	0.01
Total Phosphate, ICP		020.50	3	0.19	0.21	0.01	3	0.19	0.21	0.01
Total Phosphate, Other		020.99	1	0.71	0.26	0.37	1	0.71	0.26	0.37
Method Group 020.XX PCT			7	0.28	0.25	0.10	6	0.21	0.16	0.06
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	1	0.32	0.01	0.01	1	0.32	0.01	0.01
Dir Available Phosphate, ICP		041.50	2	0.26	0.29	0.01	2	0.26	0.29	0.01
Method Group 041.XX PCT			3	0.28	0.23	0.01	3	0.28	0.23	0.01
Soluble Potash, STPB Oxalate	958.02	050.00	1	0.41	0.03	0.04	1	0.41	0.03	0.04
Soluble Potash, ICP (Oxalate)		050.50	3	0.38	0.07	0.04	3	0.38	0.07	0.04
Soluble Potash, ICP (Citrate)		050.51	2	0.35	0.05	0.01	2	0.35	0.05	0.01
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	1	0.51	0.01	0.01	1	0.51	0.01	0.01
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	1	0.34	0.00	0.00	1	0.34	0.00	0.00
Soluble Potash, Other		050.99	2	0.33	0.09	0.02	2	0.33	0.09	0.02
Method Group 050.XX PCT			10	0.38	0.07	0.02	9	0.37	0.07	0.02
Free Water, Other		060.99	1	2.60	0.16	0.23	1	2.60	0.16	0.23
Acid Soluble Calcium, AA	945.04	101.00	13	11.56	0.49	0.24	12	11.56	0.49	0.18
Acid Soluble Calcium, ICP		101.30	39	11.77	0.64	0.20	38	11.73	0.59	0.18
Acid Soluble Calcium, Other		101.99	2	11.81	0.24	0.38	2	11.81	0.24	0.38
Method Group 101.XX PCT			54	11.72	0.60	0.22	51	11.73	0.51	0.19
Acid Soluble Magnesium, AA	984.01	121.00	13	11.12	0.39	0.18	13	11.12	0.39	0.18
Acid Soluble Magnesium, ICP		121.30	39	11.21	0.63	0.21	38	11.25	0.60	0.18
Acid Soluble Magnesium, Other		121.99	3	10.99	0.37	0.36	3	10.99	0.37	0.36
Method Group 121.XX PCT			55	11.18	0.57	0.21	53	11.23	0.50	0.19
Water Soluble Magnesium, ICP		131.30	1	11.36	0.10	0.14	1	11.36	0.10	0.14
Sulfur, Gravimetric	980.02a	144.01	16	7.47	0.29	0.08	16	7.47	0.29	0.08
Sulfur, Gravimetric	980.02b	144.02	1	8.07	0.07	0.10	1	8.07	0.07	0.10
Sulfur, Other		144.99	28	7.66	0.42	0.10	27	7.63	0.39	0.09
Method Group 144.XX PCT			45	7.60	0.39	0.09	44	7.58	0.37	0.09
Arsenic, Atomic Absorption		151.00	1	3.00	0.14	0.20	1	3.00	0.14	0.20
Arsenic, ICP		151.30	7	3.52	1.31	0.69	6	3.36	1.19	0.31
Arsenic, Other		151.99	2	2.72	1.88	0.08	2	2.72	1.88	0.08
Method Group 151.XX PPM			10	3.31	1.36	0.52	9	3.18	1.27	0.24
Acid Soluble Boron, Other		165.99	6	0.016	0.010	0.003	5	0.015	0.010	0.001
Cadmium, Atomic Absorption		181.00	1	1.95	0.07	0.10	1	1.95	0.07	0.10
Cadmium, ICP		181.30	11	3.73	3.72	0.43	10	3.36	3.70	0.28
Cadmium, Other		181.99	1	2.76	0.02	0.03	1	2.76	0.02	0.03
Method Group 181.XX PPM			13	3.52	3.45	0.37	12	3.20	3.39	0.24

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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
Water Soluble Chlorine, Titrimetric ...	928.02	190.00	1	0.22	0.03	0.04	1	0.22	0.03	0.04
Water Soluble Chlorine, Other		190.99	2	20.86	23.77	1.23	2	20.86	23.77	1.23
Method Group 190.XX PCT			3	13.98	21.28	0.83	3	13.98	21.28	0.83
Chromium, ICP		191.30	13	149.00	29.45	7.43	13	149.00	29.45	7.43
Chromium, Other		191.99	2	121.58	7.72	4.39	2	121.58	7.72	4.39
Method Group 191.XX PPM			15	145.35	29.05	7.03	15	145.35	29.05	7.03
Acid Soluble Cobalt, AA		202.00	2	68.65	3.69	4.85	2	68.65	3.69	4.85
Acid Soluble Cobalt, ICP	965.11	202.30	11	48.14	13.99	2.26	11	48.14	13.99	2.26
Acid Soluble Cobalt, Other		202.99	1	44.48	1.65	2.34	1	44.48	1.65	2.34
Method Group 202.XX PPM			14	50.81	14.48	2.64	13	49.45	14.07	2.15
Acid Soluble Copper, Atomic Absorption	975.01	221.00	12	1.9075	0.0493	0.0223	12	1.9075	0.0493	0.0223
Acid Soluble Copper, ICP		221.30	39	1.8858	0.1266	0.0638	35	1.8815	0.1185	0.0360
Acid Soluble Copper, Other		221.99	2	2.0250	0.3351	0.0200	2	2.0250	0.3351	0.0200
Method Group 221.XX PCT			55	1.9027	0.1316	0.0580	49	1.8890	0.1096	0.0332
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	10	5.96	0.24	0.09	9	5.96	0.25	0.06
Acid Soluble Iron, ICP		241.30	39	5.72	0.59	0.20	36	5.75	0.57	0.13
Acid Soluble Iron, Other		241.99	4	5.53	0.64	0.16	3	5.73	0.59	0.04
Method Group 241.XX PCT			54	5.74	0.56	0.18	51	5.76	0.54	0.13
Lead, Atomic Absorption		251.00	1	111.00	11.31	16.00	1	111.00	11.31	16.00
Lead, ICP		251.30	13	139.33	12.88	4.91	13	139.33	12.88	4.91
Lead, Other		251.99	1	142.34	5.61	7.93	1	142.34	5.61	7.93
Method Group 251.XX PPM			15	137.65	14.20	5.85	15	137.65	14.20	5.85
Acid Soluble Manganese, AA	972.02a	261.00	10	1.684	0.066	0.057	10	1.684	0.066	0.057
Acid Soluble Manganese, AA	972.02b	261.11	1	1.810	0.255	0.360	1	1.810	0.255	0.360
Acid Soluble Manganese, ICP	972.02a	261.30	32	1.696	0.115	0.047	30	1.706	0.109	0.039
Acid Soluble Manganese, ICP	972.02b	261.31	3	1.742	0.030	0.050	3	1.742	0.030	0.050
Acid Soluble Manganese, Other		261.99	3	1.683	0.083	0.069	3	1.683	0.083	0.069
Method Group 261.XX PCT			49	1.698	0.105	0.057	48	1.696	0.101	0.051
Mercury, ICP		281.30	1	0.03	0.00	0.00	1	0.03	0.00	0.00
Mercury, Other		281.99	1	0.03	0.00	0.00	1	0.03	0.00	0.00
Method Group 281.XX PPM			2	0.03	0.00	0.00	2	0.03	0.00	0.00
Molybdenum, ICP		289.30	20	104.03	8.18	4.01	19	103.67	7.96	3.28
Method Group 289.XX PPM			20	104.03	8.18	4.01	19	103.67	7.96	3.28
Nickel, Atomic Absorption		291.00	1	103.42	0.93	1.32	1	103.42	0.93	1.32
Nickel, ICP		291.30	12	100.08	22.34	7.11	11	97.99	21.81	5.39
Nickel, Other		291.99	2	103.14	25.58	6.05	2	103.14	25.58	6.05
Method Group 291.XX PPM			15	100.71	21.57	6.58	14	99.11	21.16	5.19
Selenium, ICP		301.30	6	6.67	5.10	1.68	6	6.67	5.10	1.68
Selenium, Other		301.99	2	2.04	1.40	0.31	2	2.04	1.40	0.31

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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			8	5.51	4.87	1.34	7	5.41	5.15	0.90
Sodium, Flame Photometric	974.01	311.30	1	0.14	0.07	0.10	1	0.14	0.07	0.10
Sodium, Other		311.99	5	0.09	0.04	0.00	5	0.09	0.04	0.00
Method Group 311.XX PCT			6	0.10	0.05	0.02	5	0.09	0.04	0.00
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	13	2.006	0.114	0.067	12	1.983	0.082	0.057
Acid Soluble Zinc, ICP		321.30	41	2.009	0.192	0.079	38	2.018	0.182	0.056
Acid Soluble Zinc, Other		321.99	1	1.600	0.014	0.020	1	1.600	0.014	0.020
Method Group 321.XX PCT			56	2.010	0.193	0.074	53	2.016	0.186	0.057

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index						
<u>Meth: 010.60 PCT</u>			<u>Meth: 020.XX PCT</u>			<u>Meth: 050.50 PCT</u>			<u>Meth: 050.XX PCT</u>			<u>Meth: 101.30 PCT</u>								
Total Nitrogen			Total Phosphate			Soluble Potash			Soluble Potash			Acid Soluble Calcium								
<u>Combustion</u>			<u>ICP (Oxalate)</u>			<u>ICP (Citrate)</u>			<u>ICP</u>											
443	15.13 s	107.75	443	0.71 R	3.24	292	0.44	1.09	420	0.39	.37	035	12.65	1.56						
450	2.45 R	1.16	389	0.45	1.44	420	0.39	.26	Avg	0.37		232	12.61	1.50						
389	2.45	1.04	292	0.34	.79	Avg	0.38		035	0.34	-.32	291	12.53	1.35						
292	2.43	.91	Avg	0.21		422	0.31	-1.11	009	0.31	-.80	057	12.29	.99						
009	2.38	.55	035	0.21	-.03	Meth: 050.51 PCT			422	0.31	-.86	090	12.23	.85						
422	2.36	.31	422	0.12	-.51	Soluble Potash			325	0.25	-1.63	106	12.23	.85						
Avg	2.32		450	0.14	-.95	<u>ICP (Citrate)</u>			<u>Meth: 060.99 PCT</u>			432	12.20	.82						
325	2.28	-.35	393	0.00 X	-1.27	393	0.40 X	.85	Free Water			255	12.16	.73						
351	2.27	-.44	<u>Meth: 041.10 PCT</u>			Avg	0.35		<u>Other</u>			300	12.05	.55						
393	2.09	-1.97	Dir Available Phosph			009	0.31	-.88	443			2.60	.71	324	12.00	.49				
			<u>Grav Quimociac</u>									009	12.01	.48						
			009	0.32	.71	<u>Meth: 041.50 PCT</u>			<u>Meth: 101.00 PCT</u>			230	11.95	.39						
			Dir Available Phosph			Soluble Potash			Acid Soluble Calcium			456	11.87	.33						
			<u>ICP</u>			<u>Flame (Oxalate)</u>			<u>AA</u>			231	11.75	.19						
			009	0.52	.87	443			0.51	.71	296			12.30	1.56					
			Avg	0.26		<u>Meth: 050.61 PCT</u>			073			12.28	1.50	Avg	11.73					
			325	0.01	-.87	Soluble Potash			040			12.00	.90	419	11.72	-.06				
			<u>Meth: 041.XX PCT</u>			<u>Flame (Citrate)</u>			397			11.85	.67	360	11.71	-.10				
			Dir Available Phosph			035			0.34	-.71	177			11.79	.49					
			009	0.52	1.03	<u>Meth: 050.99 PCT</u>			371			11.61	.16	377	11.62	-.21				
			009	0.32	.16	Soluble Potash			Avg			11.56		095	11.62	-.22				
			Avg	0.28		<u>Other</u>			351			11.25	-.64	450	11.56	-.31				
			325	0.01	-1.19	389			0.40	.85	028			11.25	-.64	389	11.70	-.34		
			<u>Meth: 050.00 PCT</u>			Avg			0.33		262			11.26	-.78	452	11.52	-.35		
			Soluble Potash			325			0.25	-.88	169			11.15	-.83	390	11.55	-.39		
			<u>STPB Oxalate</u>			<u>Meth: 050.XX PCT</u>			043			11.14	-.98	157	11.46	-.48				
			009	0.41	-.71	Soluble Potash			105			11.54 R	-.99	393	11.41	-.54				
			<u>AA (Oxalate)</u>			450			0.86 s	6.71	055			10.84	-1.49	131	11.47	-.56		
			450			0.86 S	.00	443			0.51	1.87	457			9.41 s	-4.43	330	11.49	-.62
			<u>Meth: 050.30 PCT</u>			292			0.44 R	1.12	Meth: 101.30 PCT			102			11.27	-.95		
			Soluble Potash			009			0.41	.63	Acid Soluble Calcium			444			11.14	-1.01		
			<u>AA (Oxalate)</u>			389			0.40	.44	<u>ICP</u>			368			11.09	-1.08		
			450			0.86 S	.00	393			0.40 X	.37	405			29.25 s	29.63	041	11.12	-1.13
												117			13.25 R	2.67	420	11.06	-1.14	
												354			12.78	1.78	023	10.71	-1.72	
												422			12.66	1.57	114	9.93	-3.05	

* 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: 101.30 PCT			Meth: 101.XX PCT			Meth: 121.00 PCT			Meth: 121.30 PCT			Meth: 121.XX PCT		
<u>Acid Soluble Calcium</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>			<u>Acid Soluble Magnesi</u>		
<u>ICP</u>			<u>AA</u>			<u>ICP</u>			<u>ICP</u>					
065	7.47 s	-7.35	Avg	11.73		296	11.59	1.24	360	11.23	-.08	057	12.02	1.65
			419	11.72	-.07	262	11.35	.59	027	11.24	-.12	389	12.05	1.65
			360	11.71	-.12	Avg	11.12		324	11.15	-.18	232	11.92	1.40
Meth: 101.99 PCT			037	11.68	-.24	169	11.12	.00	456	11.11	-.29	177	11.76	1.07
<u>Acid Soluble Calcium</u>			377	11.62	-.24	105	11.12	-.03	368	11.13	-.30	450	11.70	.94
<u>Other</u>			095	11.62	-.25	371	11.11	-.27	426	11.24	-.31	452	11.65	.84
042	11.85	1.08	371	11.61	-.26	397	11.05	-.29	419	11.03	-.37	073	11.58	.82
Avg	11.81		450	11.56	-.36	043	10.98	-.37	377	10.97	-.47	296	11.59	.76
234	11.76	-.58	389	11.70	-.40	040	10.96	-.60	330	10.99	-.48	422	11.58	.71
			452	11.52	-.40	040	10.96	-.60	390	10.99	-.48	231	11.51	.65
			390	11.55	-.46	351	10.84	-.77	157	10.95	-.50	405	11.56	.65
Meth: 101.XX PCT			157	11.46	-.56	028	10.80	-.96	390	11.00	-.53	035	11.55	.65
<u>Acid Soluble Calcium</u>			393	11.41	-.63	055	10.33	-2.03	420	10.93	-.61	009	11.50	.57
405	29.25 s	34.50	131	11.47	-.65	309	7.20 s	-9.99	090	10.77	-.80	106	11.48	.49
117	13.25 R	3.11	330	11.49	-.72	Meth: 121.30 PCT			102	10.88	-.81	426	11.24	.37
354	12.78	2.07	351	11.25	-.94	<u>Acid Soluble Magnesi</u>			393	10.70	-.93	042	11.25	.30
422	12.66	1.83	028	11.25	-.94	<u>ICP</u>			131	10.70	-.93	262	11.35	.24
035	12.65	1.82	105	11.54 R	-1.01	117	13.28 s	3.54	255	10.64	-1.02	027	11.24	.14
232	12.61	1.75	262	11.26	-1.03	300	12.55	2.19	444	10.39	-1.47	230	11.25	.11
291	12.53	1.57	433	11.18	-1.08	432	12.35	1.87	023	10.33	-1.55	433	11.24	.06
296	12.30	1.18	102	11.27	-1.10	354	12.17	1.61	041	9.95 R	-2.39	037	11.26	.05
057	12.29	1.16	169	11.15	-1.13	057	12.02	1.35	065	9.49	-2.95	Avg	11.23	
073	12.28	1.11	444	11.14	-1.18	389	12.05	1.35	114	7.17 s	-6.85	291	11.20	-.07
090	12.23	1.00	043	11.14	-1.24	232	11.92	1.14	Meth: 121.99 PCT			360	11.23	-.09
106	12.23	.99	368	11.09	-1.26	450	11.70	.76	<u>Acid Soluble Magnesi</u>			324	11.15	-.20
432	12.20	.95	041	11.12	-1.32	452	11.65	.68	<u>Other</u>			105	11.12	-.23
255	12.16	.85	420	11.06	-1.32	422	11.58	.57	234	11.09	.93	169	11.12	-.23
300	12.05	.64	055	10.84	-1.76	231	11.51	.53	042	11.25	.81	456	11.11	-.33
324	12.00	.57	023	10.71	-2.00	405	11.56	.52	Avg	10.99		371	11.11	-.34
009	12.01	.56	114	9.93 A	-3.55	035	11.55	.52	457	10.62	-.98	368	11.13	-.35
042	11.85	.55	457	9.41 s	-4.57	009	11.50	.46	Meth: 121.XX PCT			397	11.05	-.41
040	12.00	.53	065	7.47 s	-8.55	106	11.48	.38	<u>Acid Soluble Magnesi</u>			419	11.03	-.42
230	11.95	.45	Meth: 121.00 PCT			230	11.25	.08				043	10.98	-.52
397	11.85	.38	<u>Acid Soluble Magnesi</u>			037	11.26	.03				377	10.97	-.54
456	11.87	.38	<u>AA</u>			Avg	11.25					330	10.99	-.55
234	11.76	.26	177	11.76	1.64	433	11.24	-.05				157	10.95	-.58
231	11.75	.22	073	11.58	1.29	291	11.20	-.08				390	11.00	-.62
177	11.79	.14										040	10.96	-.65
027	11.73	.06												

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 121.XX PCT			Meth: 144.01 PCT			Meth: 144.99 PCT			Meth: 144.XX PCT			Meth: 151.99 PPM		
<u>Acid Soluble Magnesi</u>			<u>Sulfur</u>			<u>Sulfur</u>			<u>Sulfur</u>			<u>Arsenic</u>		
420	10.93	-.71	<u>Gravimetric</u>			<u>Other</u>			351	7.52	-.25	<u>Other</u>		
234	11.09	-.74	371	7.31	-.58	368	7.32	-.80	023	7.43	-.44	231	4.35	.87
351	10.84	-.83	114	7.27	-.72	354	7.31	-.81	027	7.42	-.45	Avg	2.72	
090	10.77	-.94	397	7.19	-.96	450	7.30	-.85	405	7.42	-.46	457	1.09	-.87
102	10.88	-.95	444	7.07	-1.37	255	7.14 X	-1.25	028	7.41	-.46	Meth: 151.XX PPM		
028	10.80	-.96	106	6.98	-1.69	390	7.16	-1.25	457	7.40	-.51	<u>Arsenic</u>		
393	10.70	-1.09	Meth: 144.02 PCT			419	6.71	-2.35	296	7.38	-.57	393	15.85 s	9.94
131	10.70	-1.09	<u>Sulfur</u>			230	0.57 s	-17.92	105	7.36	-.62	450	4.50 R	1.57
255	10.64	-1.20	<u>Gravimetric</u>			Meth: 144.XX PCT			368	7.32	-.72	009	4.65	1.15
457	10.62	-1.24	292	8.07	-.71	<u>Sulfur</u>			354	7.31	-.74	231	4.35	.92
444	10.39	-1.74	Meth: 144.99 PCT			393	8.55	2.61	450	7.30	-.78	096	4.10	.73
055	10.33	-1.83	<u>Sulfur</u>			422	8.52 R	2.58	114	7.27	-.87	230	4.10	.72
023	10.33	-1.84	<u>Other</u>			035	8.40	2.21	397	7.19	-1.06	Avg	3.18	
041	9.95 R	-2.85	393	8.55	2.32	360	8.09	1.41	255	7.14 X	-1.20	405	3.00	-.14
065	9.49 A	-3.52	422	8.52 R	2.30	292	8.07	1.33	390	7.16	-1.21	136	3.00	-.16
309	7.20 s	-8.14	035	8.40	1.95	291	8.07	1.31	444	7.07	-1.39	368	3.10	-.17
114	7.17 s	-8.21	360	8.09	1.20	457	8.05	1.27	106	6.98	-1.64	102	1.23	-1.59
Meth: 131.30 PCT			291	8.07	1.10	169	7.96	1.08	419	6.71	-2.37	457	1.09	-1.64
<u>Water Soluble Magnes</u>			169	7.96	.90	055	7.95	1.00	230	0.57 s	-18.94	Meth: 165.99 PCT		
<u>ICP</u>			009	7.92	.81	009	7.92	.98	Meth: 151.00 PPM			<u>Acid Soluble Boron</u>		
095	11.36	.71	232	7.90	.74	232	7.90	.91	<u>Arsenic</u>			<u>Other</u>		
Meth: 144.01 PCT			389	7.88	.63	090	7.82	.63	<u>Atomic Absorption</u>			444	0.028	1.29
<u>Sulfur</u>			090	7.82	.47	043	7.78	.54	136	3.00	.71	106	0.025 R	1.11
<u>Gravimetric</u>			377	7.71	.20	377	7.71	.35	Meth: 151.30 PPM			422	0.023	.83
457	8.05	1.99	037	7.64	.15	324	7.68	.30	<u>Arsenic</u>			Avg	0.015	
055	7.95	1.65	Avg	7.63		037	7.64	.23	<u>ICP</u>			232	0.015	-.03
043	7.78	1.07	452	7.63	-.10	452	7.63	.16	393	15.85 s	10.47	009	0.004	-1.02
324	7.68	.74	300	7.56	-.18	095	7.59	.02	450	4.50 R	1.58	389	0.004	-1.05
095	7.59	.40	177	7.55	-.19	Avg	7.58		009	4.65	1.08	Meth: 181.00 PPM		
262	7.55	.27	049	7.56	-.19	300	7.56	-.06	096	4.10	.62	<u>Cadmium</u>		
102	7.52	.17	157	7.56	-.19	177	7.55	-.07	230	4.10	.62	<u>Atomic Absorption</u>		
Avg	7.47		136	7.54	-.23	157	7.56	-.08	Avg	3.36		136	1.95	.71
028	7.41	-.20	351	7.52	-.33	049	7.56	-.08	368	3.10	-.28			
405	7.42	-.24	023	7.43	-.53	262	7.55	-.11	405	3.00	-.30			
296	7.38	-.36	027	7.42	-.55	136	7.54	-.11	102	1.23	-1.84			
105	7.36	-.40	457	7.40	-.60	102	7.52	-.18						

* 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
<u>Meth: 181.30 PPM</u>			<u>Meth: 190.00 PCT</u>			<u>Meth: 191.99 PPM</u>			<u>Meth: 202.30 PPM</u>			<u>Meth: 221.00 PCT</u>		
<u>Cadmium</u>			<u>Water Soluble Chlori</u>			<u>Chromium</u>			<u>Acid Soluble Cobalt</u>			<u>Acid Soluble Copper</u>		
<u>ICP</u>			<u>Titrimetric</u>			<u>Other</u>			<u>ICP</u>			<u>Atomic Absorption</u>		
452	12.62	2.51	422	0.22	.71	457	127.75	.81	450	62.30	1.02	040	2.0800 s	4.64
065	7.36 R	1.11				Avg	121.58		037	55.61	.55	177	2.0840 s	3.69
419	7.25	1.05	<u>Meth: 190.99 PCT</u>			231	115.42	-.92	035	55.05	.50	073	1.9900	1.69
Avg	3.36		<u>Water Soluble Chlori</u>						Avg	48.14		028	1.9700	1.27
230	3.11	-.08	<u>Other</u>			<u>Meth: 191.XX PPM</u>			105	47.49	-.06	351	1.9625	1.20
102	2.42	-.26	065	41.43	.87	<u>Chromium</u>			102	39.57	-.61	055	1.9400	.90
009	2.35	-.28	Avg	20.86		065	465.45 s	15.82	230	37.45	-.78	371	1.9200	.32
232	2.15	-.34	009	0.29	-.87	009	203.00	1.99	393	33.11	-1.07	Avg	1.9075	
035	1.60	-.48	<u>Meth: 190.XX PCT</u>			452	199.68	1.89	232	32.00	-1.16	296	1.8950	-.27
393	1.27	-.57	<u>Water Soluble Chlori</u>			035	172.50	.95	419	31.50	-1.19	105	1.8890	-.38
450	0.88	-.67	065	41.43	1.29	368	157.50	.44	<u>Meth: 202.99 PPM</u>			169	1.8780	-.61
368	0.00	-.91	Avg	13.98		102	150.86	.24	<u>Acid Soluble Cobalt</u>			234	1.8800	-.69
<u>Meth: 181.99 PPM</u>			009	0.29	-.64	450	151.50	.22	<u>Other</u>			043	1.8555	-1.06
<u>Cadmium</u>			422	0.22	-.65	230	147.50	.09				457	1.8550	-1.07
<u>Other</u>						Avg	145.35					262	1.8550	-1.18
231	2.76	.71	<u>Meth: 191.30 PPM</u>			037	138.36	-.32	<u>Meth: 202.XX PPM</u>			<u>Meth: 221.30 PCT</u>		
<u>Meth: 181.XX PPM</u>			<u>Chromium</u>			419	133.50	-.41	<u>Acid Soluble Cobalt</u>			<u>Acid Soluble Copper</u>		
<u>Cadmium</u>			<u>ICP</u>			232	130.00	-.53				<u>ICP</u>		
452	12.62	2.79	065	465.45 s	15.52	105	130.50	-.53	452	169.38 s	8.55	419	2.6250 s	7.03
065	7.36 R	1.26	009	203.00	1.84	457	127.75	-.61	057	70.15	1.47	117	2.0600 R	1.91
419	7.25	1.20	452	199.68	1.74	393	127.70	-.61	136	68.50 R	1.39	389	2.1000	1.84
Avg	3.20		035	172.50	.82	231	115.42	-1.04	457	68.80	1.38	009	2.0250	1.21
230	3.11	-.05	368	157.50	.31	027	94.44	-1.76	009	65.30	1.14	456	1.9300 R	1.17
231	2.76	-.13	102	150.86	.16	<u>Meth: 202.00 PPM</u>			450	62.30	.92	377	1.9900	.95
102	2.42	-.23	450	151.50	.10	<u>Acid Soluble Cobalt</u>			037	55.61	.46	452	1.9915	.93
009	2.35	-.26	Avg	149.00		<u>AA</u>			Avg	49.45		057	1.9820	.87
232	2.15	-.32	230	147.50	-.07	457	68.80	.10	105	47.49	-.14	354	1.9825	.85
136	1.95	-.37	037	138.36	-.42	Avg	68.65		231	44.48	-.36	230	1.9600	.71
035	1.60	-.47	419	133.50	-.53	136	68.50	-1.22	102	39.57	-.70	232	1.9603	.70
393	1.27	-.57	105	130.50	-.65	<u>Meth: 202.30 PPM</u>			230	37.45	-.86	450	1.9550	.66
450	0.88	-.69	232	130.00	-.65	<u>Acid Soluble Cobalt</u>			393	33.11	-1.16	027	1.9550	.63
368	0.00	-.94	393	127.70	-.72	<u>ICP</u>			232	32.00	-1.24	102	1.9420	.63
			027	94.44	-1.86				419	31.50	-1.28	106	1.9350	.54
						452	169.38 s	8.69				390	1.9300	.53
						057	70.15	1.58				095	1.9375	.53
						009	65.30	1.24				231	1.9400	.50

* 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: 221.30 PCT			Meth: 221.XX PCT			Meth: 221.XX PCT			Meth: 241.30 PCT			Meth: 241.30 PCT			
<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>			<u>Acid Soluble Iron</u>			<u>Acid Soluble Iron</u>			
<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			
300	1.9300	.44	040	2.0800 R	2.22	043	1.8555	-.31	405	8.46 s	4.75	041	4.71 R	-2.11	
255	1.9080	.29	117	2.0600 R	2.02	457	1.8550	-.31	117	6.66	1.58	393	4.55	-2.12	
291	1.9050	.24	389	2.1000	1.93	157	1.8550	-.31	106	6.42	1.17	114	4.39	-2.42	
360	1.9000	.23	177	2.0840	1.83	330	1.8600	-.38	035	6.31	.97	300	4.13	-2.86	
037	1.9050	.20	456	1.9300 R	1.24	262	1.8550	-.39	324	6.29	.94	402	3.72 s	-3.57	
035	1.9050	.20	009	2.0250	1.24	426	1.8800	-.64	131	6.19	.77	419	3.70 s	-3.62	
324	1.9050	.20	377	1.9900	.96	402	1.7600	-1.18	009	6.18	.74	Meth: 241.99 PCT			
131	1.8950	.17	452	1.9915	.94	023	1.7500	-1.30	390	6.14	.70	<u>Acid Soluble Iron</u>			
Avg	1.8815		073	1.9900	.93	393	1.7390	-1.37	354	6.10	.70	<u>Other</u>			
368	1.8668	-.15	057	1.9820	.87	114	1.7350	-1.41	377	6.11	.64	457	6.17	.74	
157	1.8550	-.23	354	1.9825	.85	432	1.8500 R	-1.41	057	6.03	.60	169	6.06	.55	
330	1.8600	-.31	028	1.9700	.74	444	1.7150	-1.59	095	6.07	.56	Avg 5.73			
426	1.8800	-.59	230	1.9600	.70	090	1.7150	-1.59	291	6.07	.55	234	4.97	-1.29	
402	1.7600	-1.03	351	1.9625	.70	041	1.8550 R	-1.81	389	6.05	.53	428	4.93 R	-1.42	
023	1.7500	-1.14	232	1.9603	.69	433	1.6365	-2.31	027	6.03	.49	Meth: 241.XX PCT			
393	1.7390	-1.20	450	1.9550	.64	065	1.6305	-2.37	456	5.98	.43	<u>Acid Soluble Iron</u>			
432	1.8500 R	-1.29	102	1.9420	.62	042	1.6050	-2.59	330	5.95	.37	405	8.46 s	4.97	
090	1.7150	-1.41	027	1.9550	.62	422	1.2750 s	-5.60	450	5.93	.37	117	6.66	1.65	
444	1.7150	-1.41	055	1.9400	.54	405	0.0600 s	-16.69	432	5.95	.35	106	6.42	1.22	
041	1.8550 R	-1.66	106	1.9350	.53	Meth: 241.00 PCT			102	5.95	.34	035	6.31	1.00	
433	1.6365	-2.07	390	1.9300	.52	<u>Acid Soluble Iron</u>			360	5.92	.31	324	6.29	.98	
065	1.6305	-2.13	095	1.9375	.51	<u>Atomic Absorption</u>			157	5.89	.25	177	6.28	.96	
042	1.6050	-2.33	231	1.9400	.47	177	6.28	1.30	433	5.87	.23	131	6.19	.79	
422	1.2750 s	-5.12	300	1.9300	.42	055	6.07	.60	255	5.89	.23	009	6.18	.77	
405	0.0600 s	-15.37	371	1.9200	.30	028	6.11	.58	368	5.87	.20	457	6.17	.75	
Meth: 221.99 PCT			255	1.9080	.26	296	6.05	.40	232	5.78	.08	390	6.14	.73	
<u>Acid Soluble Copper</u>			360	1.9000	.21	371	6.04	.35	Avg	5.75		354	6.10	.72	
<u>Other</u>			291	1.9050	.20	043	5.98	.08	452	5.63	-.24	377	6.11	.66	
428	2.3150 X	.87	037	1.9050	.15	Avg	5.96		230	5.59	-.30	028	6.11	.64	
Avg	2.0250		035	1.9050	.15	073	5.95	-.16	422	5.50	-.46	057	6.03	.62	
114	1.7350	-.87	324	1.9050	.15	351	5.81	-.62	042	5.65 R	-.81	055	6.07	.59	
Meth: 221.XX PCT			131	1.8950	.15	105	5.96 R	-.63	426	5.31	-.85	095	6.07	.58	
<u>Acid Soluble Copper</u>			296	1.8950	.07	397	5.39	-2.33	090	5.25	-.88	291	6.07	.56	
419	2.6250 s	7.54	105	1.8890	.01	262	4.85 s	-4.53	231	5.20	-.99	169	6.06	.54	
428	2.3150 A	3.89	Avg	1.8890		Meth: 241.00 PCT			065	5.68 R	-1.00	389	6.05	.54	
			169	1.8780	-.11	<u>Acid Soluble Iron</u>			023	5.13	-1.13				
			234	1.8800	-.20	<u>Atomic Absorption</u>			444	4.92	-1.46				
			368	1.8668	-.22	177	6.28	1.30							
													055	6.07	.60
													028	6.11	.58
													296	6.05	.40
													371	6.04	.35
													043	5.98	.08
													Avg	5.96	
													073	5.95	-.16
													351	5.81	-.62
													105	5.96 R	-.63
													397	5.39	-2.33
													262	4.85 s	-4.53
													065	5.68 R	-1.00
													023	5.13	-1.13
													444	4.92	-1.46

* 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: 241.XX PCT			Meth: 241.XX PCT			Meth: 251.XX 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>		
296	6.05	.54	419	3.70 s	-3.80	450	151.00	.96	419	4.115 s	22.38	230	1.750	1.04
371	6.04	.51				009	141.00	.48	432	2.000 S	2.84	324	1.745	.51
027	6.03	.50	Meth: 251.00 PPM			231	142.34	.43	117	1.910 S	2.49	Avg	1.742	
105	5.96	.46	<u>Lead</u>			102	140.63	.42	354	1.966	2.37	157	1.730	-1.07
456	5.98	.45	<u>Atomic Absorption</u>			368	143.00	.40	057	1.832	1.24			
043	5.98	.40	136	111.00	.71	037	142.29	.34	035	1.825	1.13	Meth: 261.99 PCT		
330	5.95	.38				230	141.50	.29	106	1.810	.99	<u>Acid Soluble Manganese</u>		
450	5.93	.38	Meth: 251.30 PPM			Avg	137.65		389	1.810	.95	<u>Other</u>		
432	5.95	.36	<u>Lead</u>			389	130.00	-.54	102	1.780	.86	234	1.770	1.06
073	5.95	.35	<u>ICP</u>			232	128.50	-.65	452	1.789	.80	Avg	1.683	
102	5.95	.34	419	240.50 s	7.86	105	126.95	-.79	231	1.775	.67	255	1.659	-.82
360	5.92	.32	035	237.50 s	7.62	393	126.25	-.81	377	1.770	.59	037	1.620	-.84
157	5.89	.25	452	166.73	2.13	065	121.50	-1.25	450	1.760	.50			
433	5.87	.24	405	152.00	.98	136	111.00	-1.96	009	1.760	.50	Meth: 261.XX PCT		
255	5.89	.23	450	151.00	.94				027	1.760	.49	<u>Acid Soluble Manganese</u>		
368	5.87	.20	009	141.00	.48	Meth: 261.00 PCT			300	1.740	.41	419	4.115 s	24.28
351	5.81	.09	102	140.63	.42	<u>Acid Soluble Manganese</u>			090	1.730	.35	397	2.215 s	5.13
232	5.78	.08	368	143.00	.32	<u>AA</u>			095	1.738	.31	432	2.000 s	3.17
Avg	5.76		037	142.29	.25	397	2.215 s	8.01	131	1.730	.22	117	1.910 s	2.77
452	5.63	-.26	230	141.50	.20	457	1.815	1.99	330	1.710	.19	354	1.966	2.67
230	5.59	-.32	Avg	139.33		073	1.735	.86	368	1.720	.13	040	1.810 R	2.11
422	5.50	-.49	389	130.00	-.72	177	1.727	.67	Avg	1.706		057	1.832	1.44
397	5.39	-.68	232	128.50	-.84	Avg	1.684		360	1.685	-.20	035	1.825	1.32
042	5.65 R	-.85	105	126.95	-.99	351	1.656	-.46	232	1.652	-.51	457	1.815	1.19
426	5.31	-.90	393	126.25	-1.02	055	1.680	-.46	390	1.685	-.54	106	1.810	1.17
090	5.25	-.94	065	121.50	-1.50	028	1.655	-.58	291	1.645	-.58	389	1.810	1.13
231	5.20	-1.05				262	1.665	-.74	393	1.600	-.98	102	1.780	1.02
065	5.68 R	-1.05	Meth: 251.99 PPM			043	1.655	-.94	444	1.595	-1.02	452	1.789	.97
023	5.13	-1.20	<u>Lead</u>			105	1.621	-.99	426	1.600	-1.04	231	1.775	.82
234	4.97	-1.46	<u>Other</u>			296	1.630	-1.11	433	1.588	-1.09	234	1.770	.74
444	4.92	-1.54	231	142.34	.71				422	1.581	-1.15	377	1.770	.74
428	4.93 X	-1.60				Meth: 261.11 PCT			402	1.560	-1.34	009	1.760	.64
262	4.85	-1.68	Meth: 251.XX PPM			<u>Acid Soluble Manganese</u>			042	1.570 R	-1.49	450	1.760	.64
041	4.71 R	-2.22	<u>Lead</u>			<u>AA</u>			041	1.520 R	-1.86	027	1.760	.64
393	4.55	-2.23	419	240.50 s	7.25	040	1.810	-.71	023	1.505	-1.87	230	1.750	.61
114	4.39	-2.54	035	237.50 s	7.03				114	1.490	-1.99	300	1.740	.53
300	4.13	-3.00	452	166.73	2.05				065	1.047 s	-6.04	324	1.745	.51
402	3.72 s	-3.75	405	152.00	1.01									

* 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: 261.XX PCT			Meth: 281.99 PPM			Meth: 289.99 PPM			Meth: 291.30 PPM			Meth: 291.XX PPM		
<u>Acid Soluble Manganese</u>			<u>Mercury</u>			<u>Molybdenum</u>			<u>Nickel</u>			<u>Nickel</u>		
073	1.735	.46	<u>Other</u>			<u>Other</u>			<u>ICP</u>			037	89.74	-.46
090	1.730	.45	009	0.03	.71	114	50.00 S	.00	065	259.05 s	10.47	232	89.35	-.46
157	1.730	.45	Meth: 281.XX PPM			Meth: 289.XX PPM			230	123.00 R	1.29	231	81.28	-.84
095	1.738	.43	<u>Mercury</u>			<u>Molybdenum</u>			009	122.00	1.11	393	75.51	-1.12
131	1.730	.34	230	0.03	.87	393	118.50 s	2.98	105	121.45	1.08	405	48.00	-2.42
177	1.727	.33	Avg 0.03			117	120.95	2.20	450	115.00	.80	Meth: 301.30 PPM		
368	1.720	.25	009	0.03	-.87	419	111.00 R	1.46	368	112.00	.68	<u>Selenium</u>		
330	1.710	.24	Meth: 289.30 PPM			009	114.00	1.39	419	102.00	.49	<u>ICP</u>		
Avg	1.696		<u>Molybdenum</u>			452	109.98	.81	102	105.16	.36	368	13.85	1.42
360	1.685	-.12	<u>ICP</u>			444	110.00	.80	Avg	97.99		037	11.80	1.02
055	1.680	-.33	393	118.50 s	2.98	057	108.10	.56	035	97.70	-.02	Avg 6.67		
351	1.656	-.41	117	120.95	2.20	450	105.00	.41	232	89.35	-.40	230	5.31	-.27
232	1.652	-.46	419	111.00 R	1.46	035	105.00	.41	037	89.74	-.40	065	6.23 X	-.44
028	1.655	-.47	009	114.00	1.39	255	106.00	.39	393	75.51	-1.03	393	1.81	-.95
291	1.645	-.52	452	109.98	.81	037	105.62	.37	405	48.00	-2.29	450	1.00	-1.13
262	1.665	-.54	444	110.00	.80	433	106.10	.31	Meth: 291.99 PPM			Meth: 301.99 PPM		
390	1.685	-.55	057	108.10	.56	065	104.10	.26	<u>Nickel</u>			<u>Selenium</u>		
043	1.655	-.68	450	105.00	.41	368	104.00	.04	<u>Other</u>			<u>Other</u>		
255	1.659	-.72	450	105.00	.41	Avg	103.67		457	125.00	.88	231	3.23	.88
105	1.621	-.76	035	105.00	.41	230	103.50	-.07	Avg	103.14		Avg 2.04		
037	1.620	-.80	255	106.00	.39	102	99.74	-.49	231	81.28	-.86	296 0.84 -.85		
296	1.630	-.82	037	105.62	.37	105	96.47	-.95	Meth: 291.XX PPM			Meth: 301.XX PPM		
393	1.600	-.95	433	106.10	.31	232	94.65	-1.14	<u>Nickel</u>			<u>Selenium</u>		
444	1.595	-1.00	065	104.10	.26	389	95.00	-1.26	065	259.05 s	10.76	368	13.85	1.65
426	1.600	-1.02	368	104.00	.04	296	91.50 X	-1.54	136	174.00 s	3.54	037	11.80	1.25
433	1.588	-1.07	Avg	103.67		027	90.00	-1.72	230	123.00 R	1.29	065	6.23 R	.46
422	1.581	-1.14	230	103.50	-.07	114	50.00 s	-6.74	457	125.00	1.25	Avg	5.41	
402	1.560	-1.34	102	99.74	-.49	Meth: 291.00 PPM			009	122.00	1.09	230	5.31	-.06
042	1.570	-1.53	105	96.47	-.95	<u>Nickel</u>			105	121.45	1.06	231	3.23	-.43
041	1.520	-1.91	232	94.65	-1.14	<u>Atomic Absorption</u>			450	115.00	.77	393	1.81	-.70
023	1.505	-1.92	389	95.00	-1.26	136	174.00 S	75.65	368	112.00	.65	450	1.00	-.88
114	1.490	-2.04	296	91.50 X	-1.54	457	103.42	.71	419	102.00	.49	296	0.84	-.89
065	1.047 s	-6.42	027	90.00	-1.72	Avg	103.42		102	105.16	.32			
Meth: 281.30 PPM									457	103.42	.21			
<u>Mercury</u>									Avg	99.11				
<u>ICP</u>									035	97.70	-.07			
230	0.03	.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: 311.30 PCT			Meth: 321.00 PCT			Meth: 321.30 PCT			Meth: 321.XX PCT			Meth: 321.XX PCT		
Sodium			Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc		
<u>Flame Photometric</u>			<u>Atomic Absorption</u>			<u>ICP</u>								
450	0.14	-0.71	073	1.915	-0.85	027	1.910	-0.59	028	2.090	.43	433	1.728	-1.55
			043	1.885	-1.21	368	1.881	-0.75	157	2.035	.36	114	1.665	-1.89
			262	1.850	-1.63	090	1.875	-0.80	055	2.035	.31	041	1.675	-1.92
Meth: 311.99 PCT			Meth: 321.30 PCT			023			255			426		
Sodium			Acid Soluble Zinc			1.825			2.060 X			1.640 R		
<u>Other</u>			<u>ICP</u>			-1.07			330			1.600 X		
422	0.15	1.74	009	2.395	2.13	432	2.000 R	-1.10	360	2.025	.19	422	1.131 s	-4.77
Avg	0.09		389	2.400	2.10	042	1.805	-1.17	291	2.050	.19	405	1.000 s	-5.46
232	0.08	-0.11	106	2.315	1.66	402	1.800	-1.20	131	2.050	.18	065	0.978 s	-5.58
009	0.08	-0.13	354	2.281	1.44	444	1.770	-1.36	377	2.030	.18			
102	0.07	-0.44	057	2.235	1.30	433	1.728	-1.59	035	2.045	.16			
035	0.04	-1.11	450	2.225	1.21	114	1.665	-1.94	393	2.033	.12			
			456	2.060 R	1.18	041	1.675	-1.97	390	2.020	.11			
Meth: 311.XX PCT			117			426			324			Avg		
Sodium			2.165			1.640 R			2.025			2.016		
450	0.14 R	1.88	452	2.172	.86	422	1.131 s	-4.87	177	2.011	-0.04	095	2.006	-0.06
422	0.15	1.74	102	2.101	.60	405	1.000 s	-5.59	095	2.006	-0.06	230	2.010	-0.06
Avg	0.09		419	2.115	.54	065	0.978 s	-5.71	300	2.010	-0.06	037	2.000	-0.10
232	0.08	-0.11	157	2.035	.37	Meth: 321.99 PCT			037	2.000	-0.10	351	2.009	-0.10
009	0.08	-0.13	255	2.060 X	.24	Acid Soluble Zinc			457	1.985	-0.17	457	1.985	-0.17
102	0.07	-0.44	360	2.025	.20	<u>Other</u>			232	1.994	-0.19	232	1.994	-0.19
035	0.04	-1.11	330	2.025	.20	428			234	2.010	-0.22	234	2.010	-0.22
			291	2.050	.19	1.600 X			292	1.965	-0.28	292	1.965	-0.28
Meth: 321.00 PCT			377			Meth: 321.XX PCT			371			371		
Acid Soluble Zinc			2.030			Acid Soluble Zinc			1.970			1.970		
<u>Atomic Absorption</u>			.18			<u>ICP</u>			-0.30			-0.30		
397	2.500 s	6.29	131	2.050	.18	397	2.500	2.60	231	1.955	-0.34	231	1.955	-0.34
040	2.270 A	3.66	035	2.045	.15	009	2.395	2.10	296	1.950	-0.45	296	1.950	-0.45
105	2.092	1.64	390	2.020	.11	389	2.400	2.07	073	1.915	-0.55	073	1.915	-0.55
028	2.090	1.35	393	2.033	.11	106	2.315	1.64	027	1.910	-0.57	027	1.910	-0.57
055	2.035	.92	324	2.025	.05	040	2.270	1.45	043	1.885	-0.71	043	1.885	-0.71
234	2.010	.58	Avg	2.018		057	2.235	1.28	368	1.881	-0.73	368	1.881	-0.73
351	2.009	.38	095	2.006	-0.07	450	2.225	1.19	090	1.875	-0.77	090	1.875	-0.77
177	2.011	.33	300	2.010	-0.07	456	2.060 R	1.15	262	1.850	-0.89	262	1.850	-0.89
457	1.985	.06	230	2.010	-0.07	117	2.165	.98	023	1.825	-1.04	023	1.825	-1.04
Avg	1.983		037	2.000	-0.11	452	2.172	.85	432	2.000 R	-1.08	432	2.000 R	-1.08
371	1.970	-0.40	232	1.994	-0.20	105	2.092	.59	042	1.805	-1.13	042	1.805	-1.13
296	1.950	-0.73	292	1.965	-0.29	102	2.101	.59	402	1.800	-1.16	402	1.800	-1.16
			231	1.955	-0.35	419	2.115	.54	444	1.770	-1.32	444	1.770	-1.32

* 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
010.60	9	12.09	35.88	0.30	221.99	2	0.0000	1.2238	0.0334
010.XX	9	12.09	35.88	0.30	221.XX	58	- 0.149	2.7187	0.6387
020.20	2	0.00	0.85	0.62	241.00	11	- 0.41	1.64	0.26
020.50	3	0.00	1.12	0.02	241.30	42	- 0.11	1.45	0.29
020.XX	7	0.43	1.45	0.54	241.99	4	- 0.34	1.13	0.23
041.50	2	0.00	1.22	0.01	241.XX	57	- 0.09	1.37	0.27
041.XX	2	- 0.30	1.26	0.31	251.30	15	1.03	2.87	0.25
050.50	3	0.00	1.03	0.36	251.XX	17	0.84	2.54	0.27
050.51	2	0.00	1.21	0.14	261.00	11	0.728	2.556	0.470
050.99	2	0.00	1.20	0.16	261.30	36	0.489	3.988	0.774
050.XX	10	0.77	2.27	0.44	261.31	3	0.000	0.348	0.868
101.00	14	- 0.32	1.49	0.35	261.99	3	0.000	0.941	0.492
101.30	41	0.61	4.89	0.34	261.XX	54	0.535	3.584	0.746
101.99	2	0.00	0.27	0.84	281.XX	2	0.000	0.548	0.775
101.XX	57	0.36	4.90	0.38	289.30	21	0.13	1.03	0.62
121.00	14	- 0.71	2.83	0.28	289.XX	22	- 0.18	1.78	0.61
121.30	41	- 0.14	1.57	0.28	291.00	2	37.81	53.47	1.60
121.99	3	0.00	0.87	0.57	291.30	13	0.66	2.24	2.07
121.XX	58	- 0.32	1.93	0.32	291.99	2	0.00	1.21	0.14
144.01	16	0.00	1.00	0.15	291.XX	16	0.72	2.23	1.93
144.99	29	- 0.54	3.50	0.18	301.30	6	0.00	1.02	0.21
144.XX	45	- 0.37	3.01	0.21	301.99	2	0.00	1.21	0.15
151.30	8	1.43	3.77	0.48	301.XX	8	0.02	0.96	0.18
151.99	2	0.00	1.22	0.03	311.99	5	0.00	1.06	0.07
151.XX	11	1.00	3.12	0.38	311.XX	6	0.23	1.10	0.53
165.99	6	0.167	1.029	0.216	321.00	14	0.699	2.039	0.507
165.XX	6	0.167	1.029	0.216	321.30	44	- 0.411	1.670	0.347
181.30	11	0.10	1.03	0.10	321.XX	58	- 0.302	1.524	0.316
181.XX	13	0.09	1.04	0.10					
190.99	2	0.00	1.22	0.04					
190.XX	3	0.00	1.12	0.03					
191.30	14	0.77	3.03	2.99					
191.99	2	0.00	1.13	0.34					
191.XX	16	0.69	2.92	2.84					
202.00	2	0.00	0.06	0.87					
202.30	12	0.72	2.68	0.20					
202.XX	15	0.66	2.40	0.20					
221.00	14	0.5056	1.5660	0.8938					
221.30	42	- 0.304	2.8526	0.6596					