

- Pass 1 Results for 75 Labs - - Pass 2 Results for 74 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	9	2.52	0.37	0.08	8	2.40	0.13	0.05
Ammoniacal Nitrogen, Other		001.99	8	2.08	0.28	0.05	8	2.08	0.28	0.05
Method Group 001.XX PCT			17	2.31	0.39	0.07	16	2.24	0.27	0.05
Nitrate Nitrogen, Robertson	930.01	002.10	1	1.35	0.21	0.30	1	1.35	0.21	0.30
Water Insoluble Nitrogen, Meth I	945.01	003.10	5	2.64	0.37	0.08	5	2.64	0.37	0.08
Water Insoluble Nitrogen, Other		003.99	1	2.58	0.04	0.05	1	2.58	0.04	0.05
Method Group 003.XX PCT			6	2.63	0.34	0.08	6	2.63	0.34	0.08
Nitrogen From Urea, Urease (as N)	959.03	005.00	4	14.32	2.12	0.23	4	14.32	2.12	0.23
Nitrogen From Urea, Other		005.99	4	12.33	3.27	0.30	4	12.33	3.27	0.30
Method Group 005.XX PCT			8	13.33	2.85	0.26	8	13.33	2.85	0.26
Ammon & Nitrate N, Devarda	892.01	009.10	5	3.31	0.87	0.24	5	3.31	0.87	0.24
Total Nitrogen, Modified Comprehensive	978.02	010.11	5	20.00	0.15	0.05	5	20.00	0.15	0.05
Total Nitrogen, Salicylic	955.04D	010.12	5	20.00	0.21	0.08	5	20.00	0.21	0.08
Total Nitrogen, Combustion		010.60	45	20.03	0.25	0.17	44	20.04	0.24	0.16
Total Nitrogen, Other		010.99	6	20.06	0.38	0.23	7	20.18	0.47	0.23
Method Group 010.XX PCT			61	20.03	0.25	0.16	59	20.03	0.24	0.15
Total Phosphate, Spectrometric	958.01	020.20	2	0.00	0.01	0.01	2	0.00	0.01	0.01
Total Phosphate, ICP		020.50	1	0.06	0.01	0.01	1	0.06	0.01	0.01
Total Phosphate, Other		020.99	1	0.06	0.00	0.00	1	0.06	0.00	0.00
Method Group 020.XX PCT			4	0.03	0.03	0.00	4	0.03	0.03	0.00
Dir Available Phosphate, ICP		041.50	2	0.04	0.07	0.06	2	0.04	0.07	0.06
Dir Available Phosphate, EDTA Extract	993.01	041.60	1	0.15	0.01	0.02	1	0.15	0.01	0.02
Method Group 041.XX PCT			3	0.08	0.08	0.05	3	0.08	0.08	0.05
Soluble Potash, STPB Oxalate	958.02	050.00	15	5.30	0.25	0.09	14	5.30	0.25	0.07
Soluble Potash, STPB Citrate	969.04	050.10	2	5.86	0.20	0.15	2	5.86	0.20	0.15
Soluble Potash, AA (Oxalate)		050.30	5	5.35	0.22	0.06	5	5.35	0.22	0.06
Soluble Potash, AA (Citrate)		050.31	1	4.77	0.18	0.25	1	4.77	0.18	0.25
Soluble Potash, ICP (Oxalate)		050.50	8	5.33	0.19	0.10	8	5.33	0.19	0.10
Soluble Potash, ICP (Citrate)		050.51	11	5.43	0.34	0.07	11	5.43	0.34	0.07
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	4	5.08	0.28	0.11	4	5.08	0.28	0.11
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	6	5.31	0.19	0.09	6	5.31	0.19	0.09
Soluble Potash, Other		050.99	21	5.22	0.28	0.08	21	5.22	0.28	0.08
Method Group 050.XX PCT			73	5.30	0.29	0.09	70	5.28	0.28	0.08
Free Water, Vacuum Oven	965.08B	060.00	4	0.89	0.22	0.04	4	0.89	0.22	0.04
Free Water, Karl Fischer	972.01	060.20	1	0.83	0.01	0.01	1	0.83	0.01	0.01
Free Water, Other		060.99	1	0.86	0.01	0.02	1	0.86	0.01	0.02
Method Group 060.XX PCT			6	0.87	0.18	0.03	6	0.87	0.18	0.03
Acid Soluble Calcium, AA	945.04	101.00	2	9.78	0.80	0.21	2	9.78	0.80	0.21
Acid Soluble Calcium, ICP		101.30	10	9.66	0.35	0.28	10	9.66	0.35	0.28

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Acid Soluble Calcium, Other		101.99	2	9.40	0.99	0.14	2	9.40	0.99	0.14
Method Group 101.XX PCT			15	9.73	0.62	0.29	15	9.73	0.62	0.29
Acid Soluble Magnesium, AA	984.01	121.00	2	3.21	0.37	0.05	2	3.21	0.37	0.05
Acid Soluble Magnesium, ICP		121.30	12	2.94	0.20	0.13	11	2.92	0.18	0.10
Acid Soluble Magnesium, Other		121.99	2	2.75	0.19	0.02	2	2.75	0.19	0.02
Method Group 121.XX PCT			16	2.95	0.24	0.10	15	2.94	0.24	0.08
Sulfur, Gravimetric	980.02a	144.01	12	2.68	0.09	0.03	11	2.67	0.08	0.02
Sulfur, Gravimetric	980.02b	144.02	3	2.71	0.21	0.02	3	2.71	0.21	0.02
Sulfur, Spectrometric		144.70	2	2.67	0.30	0.06	2	2.67	0.30	0.06
Sulfur, Other		144.99	22	2.60	0.18	0.11	21	2.61	0.17	0.09
Method Group 144.XX PCT			41	2.62	0.18	0.08	37	2.63	0.17	0.05
Arsenic, Atomic Absorption		151.00	1	0.55	0.06	0.08	1	0.55	0.06	0.08
Arsenic, ICP		151.30	5	1.39	0.39	0.42	5	1.39	0.39	0.42
Arsenic, Other		151.99	1	1.37	0.02	0.03	1	1.37	0.02	0.03
Method Group 151.XX PPM			7	1.27	0.45	0.31	7	1.27	0.45	0.31
Acid Soluble Boron, Titrimetric	949.02	165.70	1	0.000	0.000	0.000	1	0.000	0.000	0.000
Acid Soluble Boron, Other		165.99	2	0.005	0.005	0.001	2	0.005	0.005	0.001
Method Group 165.XX PCT			3	0.003	0.005	0.001	3	0.003	0.005	0.001
Water Soluble Boron, Other		171.99	1	0.450	0.071	0.100	1	0.450	0.071	0.100
Cadmium, Atomic Absorption		181.00	1	0.42	0.01	0.02	1	0.42	0.01	0.02
Cadmium, ICP		181.30	5	0.36	0.21	0.02	4	0.37	0.24	0.01
Cadmium, Other		181.99	2	0.42	0.03	0.02	2	0.42	0.03	0.02
Method Group 181.XX PPM			8	0.38	0.17	0.02	7	0.39	0.18	0.01
Water Soluble Chlorine, Titrimetric	928.02	190.00	11	4.11	0.17	0.03	11	4.11	0.17	0.03
Water Soluble Chlorine, Other		190.99	3	4.19	0.86	0.08	3	4.19	0.86	0.08
Method Group 190.XX PCT			16	4.16	0.59	0.05	17	4.25	0.70	0.05
Chromium, Atomic Absorption		191.00	3	105.82	70.59	3.10	3	105.82	70.59	3.10
Chromium, ICP		191.30	10	145.35	39.43	7.12	9	149.02	39.42	3.76
Chromium, Other		191.99	1	41.15	0.21	0.30	1	41.15	0.21	0.30
Method Group 191.XX PPM			14	129.43	53.90	5.77	13	130.75	55.54	3.34
Acid Soluble Cobalt, AA		202.00	1	16.75	0.35	0.50	1	16.75	0.35	0.50
Acid Soluble Cobalt, ICP	965.11	202.30	11	23.13	6.83	1.59	11	23.13	6.83	1.59
Method Group 202.XX PPM			12	22.60	6.77	1.50	12	22.60	6.77	1.50
Acid Soluble Copper, Atomic Absorption	975.01	221.00	5	0.0080	0.0011	0.0002	5	0.0080	0.0011	0.0002
Acid Soluble Copper, ICP		221.30	18	0.0081	0.0010	0.0003	16	0.0082	0.0010	0.0002
Acid Soluble Copper, Other		221.99	2	0.0087	0.0016	0.0002	2	0.0087	0.0016	0.0002
Method Group 221.XX PCT			25	0.0081	0.0011	0.0002	23	0.0082	0.0011	0.0002
Acid Soluble Iron, Atomic Absorption	980.01	241.00	10	1.30	0.15	0.04	10	1.30	0.15	0.04
Acid Soluble Iron, ICP		241.30	31	1.25	0.20	0.04	30	1.26	0.18	0.04

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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
Acid Soluble Iron, Other		241.99	3	1.31	0.05	0.05	3	1.31	0.05	0.05
Method Group 241.XX PCT			44	1.26	0.18	0.04	43	1.28	0.17	0.04
Lead, Atomic Absorption		251.00	1	23.25	1.91	2.70	1	23.25	1.91	2.70
Lead, ICP		251.30	13	13.04	4.45	1.14	11	12.61	4.62	0.56
Lead, Other		251.99	2	12.80	3.34	1.81	2	12.80	3.34	1.81
Method Group 251.XX PPM			16	13.65	4.85	1.32	15	13.49	4.94	1.11
Acid Soluble Manganese, AA	972.02a	261.00	2	0.028	0.003	0.000	2	0.028	0.003	0.000
Acid Soluble Manganese, AA	972.02b	261.11	1	0.025	0.000	0.000	1	0.025	0.000	0.000
Acid Soluble Manganese, ICP	972.02a	261.30	10	0.024	0.002	0.002	9	0.024	0.002	0.001
Acid Soluble Manganese, Other		261.99	1	0.025	0.001	0.002	1	0.025	0.001	0.002
Method Group 261.XX PCT			14	0.025	0.002	0.002	13	0.025	0.002	0.001
Molybdenum, ICP		289.30	10	15.67	1.56	0.73	10	15.67	1.56	0.73
Method Group 289.XX PPM			10	15.67	1.56	0.73	10	15.67	1.56	0.73
Nickel, Atomic Absorption		291.00	2	83.45	9.08	6.97	2	83.45	9.08	6.97
Nickel, ICP		291.30	10	90.35	3.38	2.51	10	90.35	3.38	2.51
Method Group 291.XX PPM			12	89.20	5.20	3.25	11	90.37	3.39	2.92
Selenium, ICP		301.30	2	0.42	0.49	0.10	2	0.42	0.49	0.10
Selenium, Other		301.99	1	0.18	0.02	0.03	1	0.18	0.02	0.03
Method Group 301.XX PPM			3	0.34	0.40	0.07	3	0.34	0.40	0.07
Sodium, Atomic Absorption	983.04	311.00	1	0.12	0.00	0.00	1	0.12	0.00	0.00
Sodium, Other		311.99	7	0.09	0.02	0.01	7	0.09	0.02	0.01
Method Group 311.XX PCT			8	0.09	0.02	0.01	7	0.09	0.02	0.00
Acid Soluble Zinc, Atomic Absorption	975.02	321.00	5	0.041	0.002	0.001	4	0.041	0.002	0.000
Acid Soluble Zinc, ICP		321.30	19	0.039	0.004	0.002	17	0.038	0.003	0.001
Acid Soluble Zinc, Other		321.99	2	0.042	0.002	0.003	2	0.042	0.002	0.003
Method Group 321.XX PCT			27	0.039	0.004	0.002	24	0.039	0.003	0.001

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: 003.XX PCT			Meth: 009.10 PCT			Meth: 010.60 PCT		
<u>Ammoniacal Nitrogen</u>			<u>Ammoniacal Nitrogen</u>			<u>Water Insoluble Nitr</u>			<u>Ammon & Nitrate N</u>			<u>Total Nitrogen</u>		
<u>MgO Distillation</u>									<u>Devarda</u>			<u>Combustion</u>		
405	4.23 S	14.16	498	2.25	.19	397	2.58	-.19	498	3.60	.35	354	20.30	1.08
258	3.47 R	8.35	230	2.27	.11	029	2.44	-.58	497	3.46	.18	043	20.26	1.05
105	2.61	1.59	481	2.27	.10	230	2.17	-1.38	Avg	3.31		233	20.25	.97
504	2.50	.81	Avg	2.24		Meth: 005.00 PCT			444	2.49	-.95	007	20.20	.79
456	2.48	.61	487	2.20	-.15	Nitrogen From Urea			452	2.41	-1.04	451	20.20	.76
389	2.46	.50	096	2.20	-.15	<u>Urease (as N)</u>			Meth: 010.11 PCT			231	20.21	.74
Avg	2.40		500	2.13	-.41	389	16.56	1.06	Total Nitrogen			025	20.17	.69
444	2.39	-.17	420	2.08	-.61	444	15.29	.47	<u>Modified Comprehensi</u>			040	20.20	.67
481	2.27	-1.04	368	2.03	-.80	Avg	14.32		105	20.15	1.04	489	20.20	.67
230	2.27	-1.05	027	1.93	-1.18	169	14.24	-.04	470	20.06	.39	136	20.20	.66
498	2.25	-1.22	506	1.53	-2.66	368	11.21	-1.47	211	20.05	.30	291	20.17	.54
Meth: 001.99 PCT			Meth: 002.10 PCT			Meth: 005.99 PCT			090	20.02	.18	402	20.10	.49
<u>Ammoniacal Nitrogen</u>			<u>Nitrate Nitrogen</u>			<u>Nitrogen From Urea</u>			Avg	20.00		494	20.13	.35
<u>Other</u>			<u>Robertson</u>			<u>Other</u>			474	19.73	-1.77	452	20.09	.21
489	20.20 s	65.24	498	1.35	-.71	498	14.35	.62	456	18.48 S	-9.91	035	20.08	.18
397	2.54	1.64	Meth: 003.10 PCT			027	14.15	.55	Meth: 010.12 PCT			292	20.05	.06
096	2.20	.44	<u>Water Insoluble Nitr</u>			029	13.78	.45	Total Nitrogen			Avg	20.04	
487	2.20	.44	<u>Meth I</u>			Avg	12.33		<u>Salicylic</u>			360	20.04	-.07
500	2.13	.19	504	3.20	1.52	230	7.06	-1.61	416	20.27	1.28	389	20.03	-.18
Avg	2.08		090	2.82	.48	Meth: 005.XX PCT			498	20.15	.76	234	19.97	-.31
420	2.08	-.06	Avg	2.64		<u>Nitrogen From Urea</u>			Avg	20.00		406	20.02	-.34
368	2.03	-.25	494	2.59	-.15	389	16.56	1.13	397	19.97	-.27	102	19.91	-.60
027	1.93	-.57	029	2.44	-.56	444	15.29	.69	504	19.91	-.52	055	20.00	-.60
506	1.53	-1.99	230	2.17	-1.28	498	14.35	.36	185	19.71	-1.40	486	19.94	-.63
Meth: 001.XX PCT			Meth: 003.99 PCT			169	14.24	.32	481	19.22 S	-3.85	105	20.02	-.66
<u>Ammoniacal Nitrogen</u>			<u>Water Insoluble Nitr</u>			027	14.15	.29	Meth: 010.60 PCT			029	20.01	-.71
489	20.20 s	66.84	<u>Other</u>			029	13.78	.20	Total Nitrogen			482	19.90	-.73
405	4.23 s	7.43	397	2.58	-.71	Avg	13.33		<u>Combustion</u>			042	19.93	-.78
258	3.47 R	4.62	Meth: 003.XX PCT			368	11.21	-.74	405	20.40	1.54	325	20.00	-.86
105	2.61	1.36	<u>Water Insoluble Nitr</u>			230	7.06	-2.20	023	20.32	1.32	443	19.80	-1.02
397	2.54	1.10	504	3.20	1.70	Meth: 009.10 PCT			049	20.35	1.32	324	19.85	-1.03
504	2.50	.97	090	2.82	.56	Ammon & Nitrate N			034	20.33	1.29	096	19.77	-1.18
456	2.48	.88	Avg	2.63		<u>Devarda</u>			095	20.32	1.25	483	19.75	-1.24
389	2.46	.81	494	2.59	-.14	258	4.61	1.53	485	20.19	1.23	368	19.66	-1.62
444	2.39	.57										377	19.64	-1.70
												351	19.64	-1.72

* 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: 010.60 PCT			Meth: 010.XX PCT			Meth: 010.XX PCT			Meth: 041.50 PCT			Meth: 050.10 PCT		
<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Dir Available Phosph</u>			<u>Soluble Potash</u>		
<u>Combustion</u>									<u>ICP</u>			<u>STPB Citrate</u>		
177	19.65	-1.94	040	20.20	.70	368	19.66	-1.57	325	0.08	1.07	117	6.00	.70
157	19.65	-1.96	489	20.20	.70	377	19.64	-1.64	Avg	0.04		Avg	5.86	
472	19.56 A	-2.36	136	20.20	.69	351	19.64	-1.66	354	0.00	-.59	444	5.72	-1.00
230	19.00 s	-4.41	291	20.17	.57	500	19.58	-1.89	Meth: 041.60 PCT			Meth: 050.30 PCT		
Meth: 010.99 PCT			493			177			Dir Available Phosph			Soluble Potash		
<u>Total Nitrogen</u>			20.15			19.65			<u>EDTA Extract</u>			<u>AA (Oxalate)</u>		
<u>Other</u>			.53			-1.89			024			498		
420	20.94 S	1.62	498	20.15	.53	472	19.56 R	-2.29	024	0.15	-.71	Avg	5.35	
506	20.45	.77	402	20.10	.50	481	19.22 s	-3.47	Meth: 041.XX PCT	Meth: 050.31 PCT				
487	20.25	.75	494	20.13	.39	230	19.00 s	-4.32	<u>Dir Available Phosph</u>	Soluble Potash				
501	20.22	.07	452	20.09	.24	456	18.48 s	-6.49	024	0.15	.96	<u>AA (Citrate)</u>	472	
Avg	20.06		035	20.08	.21	Meth: 020.20 PCT			325	0.08	.78	Avg	5.30	-.21
493	20.15	-.12	470	20.06	.12	<u>Total Phosphate</u>			Avg	0.08		040	5.30	-.21
460	19.69	-1.05	211	20.05	.08	<u>Spectrometric</u>			354	0.00	-.99	157	5.28	-.38
500	19.58	-1.27	292	20.05	.08	504			Meth: 050.00 PCT			Meth: 050.50 PCT		
Meth: 010.XX PCT			360			0.01			Soluble Potash			Soluble Potash		
<u>Total Nitrogen</u>			20.04			1.12			<u>STPB Oxalate</u>			<u>ICP (Oxalate)</u>		
420	20.94 s	3.81	Avg	20.03		504			102	5.80	1.96	406	5.65	1.67
506	20.45	2.03	090	20.02	-.10	0.00			055	5.64	1.31	444	5.52	.99
487	20.25 R	1.72	389	20.03	-.17	292			416	5.56	1.01	157	5.44	.70
405	20.40	1.56	247	20.03	-.19	0.00			Avg	5.30		Avg	5.33	
023	20.32	1.34	234	19.97	-.26	Meth: 020.50 PCT			292	5.31	-.20	292	5.31	-.20
049	20.35	1.34	406	20.02	-.32	<u>Total Phosphate</u>			397	5.29	-.35	397	5.29	-.35
034	20.33	1.31	397	19.97	-.34	<u>ICP</u>			354	5.21	-.86	354	5.21	-.86
095	20.32	1.27	102	19.91	-.55	389			090	5.23	-.35	055	5.16	-.92
485	20.19	1.24	504	19.91	-.57	0.06			497	5.19	-.50	420	5.11	-1.22
354	20.30	1.11	055	20.00	-.58	.71			231	5.14	-.65	Meth: 050.51 PCT		
043	20.26	1.07	486	19.94	-.60	Meth: 020.99 PCT			494	5.07	-.93	Soluble Potash		
233	20.25	1.00	105	20.02	-.65	<u>Total Phosphate</u>			230	5.19 R	-1.00	<u>ICP (Citrate)</u>		
416	20.27	.97	482	19.90	-.69	460			470	4.76	-2.16	483		
007	20.20	.81	029	20.01	-.70	0.06			Meth: 050.51 PCT			6.11 S		
451	20.20	.78	042	19.93	-.75	.00			Soluble Potash			2.51		
231	20.21	.77	325	20.00	-.84	.86			ICP (Citrate)			023		
501	20.22	.76	443	19.80	-.97	.03			483			6.08		
025	20.17	.71	324	19.85	-.98	0.01			474			1.91		
* 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: 050.99 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 060.20 PCT		
Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash			Free Water		
<u>ICP (Citrate)</u>			<u>Other</u>									<u>Karl Fischer</u>		
117	6.00	1.65	487	5.65	1.56	406	5.65	1.31	043	5.21	-.29	504	0.83	.71
007	5.70	.83	451	5.62	1.46	055	5.64	1.27	258	5.21	-.32			
452	5.44	.03	234	5.58	1.30	451	5.62	1.24	027	5.21	-.33			
Avg	5.43		501	5.53	1.10	456	5.63	1.23	185	5.18	-.38	Meth: 060.99 PCT		
291	5.42	-.07	360	5.49	.97	234	5.58	1.07	497	5.19	-.40	Free Water		
389	5.27	-.48	043	5.40	.63	416	5.56	.99	368	5.22	-.40	<u>Other</u>		
096	5.25	-.57	247	5.33	.46	501	5.53	.87	485	5.17	-.44	504	0.86	.71
377	5.22	-.63	177	5.35	.46	444	5.52	.85	055	5.16	-.45			
043	5.21	-.67	506	5.29	.36	360	5.49	.74	354	5.21	-.46	Meth: 060.XX PCT		
485	5.17	-.79	368	5.22	.34	169	5.46	.64	231	5.14	-.53	<u>Free Water</u>		
025	5.03	-1.18	105	5.27	.18	157	5.44	.62	460	5.11	-.65	096	1.19	1.79
			504	5.25	.10	452	5.44	.56	420	5.11	-.66	416	0.92	.28
			Avg	5.22		029	5.40	.49	105	5.13	-.69	Avg	0.87	
Meth: 050.60 PCT			Avg			291			042			504		
Soluble Potash			027			5.42			5.12			0.86		
<u>Flame (Oxalate)</u>			5.21			.48			5.07			-.10		
169	5.46	1.37	460	5.11	-.42	049	5.35	.43	371	5.07	-.76	007	0.83	-.27
105	5.13	.41	371	5.07	-.53	324	5.40	.42	494	5.07	-.79	504	0.83	-.28
Avg	5.08		042	5.12	-.57	043	5.40	.40	105	5.07	-.80	456	0.62	-1.43
470	4.96	-.44	482	4.95	-1.00	035	5.29	.34	230	5.19 R	-.89			
443	4.78	-1.13	247	5.33	.31	247	5.33	.31	025	5.03	-.93	Meth: 101.00 PCT		
			486	4.89	-1.20	506	5.29	.27	470	4.96	-1.19	Acid Soluble Calcium		
			402	4.84	-1.38	177	5.35	.24	482	4.95	-1.23	<u>AA</u>		
			481	4.84	-1.40	211	5.34	.21	486	4.89	-1.43	105	10.47	.88
			325	4.68	-1.97	405	5.32	.20	402	4.84	-1.61	Avg	9.78	
			500	0.55 s	-16.85	397	5.29	.18	481	4.84	-1.63	504	9.10	-.85
						292	5.31	.12	443	4.78	-1.87			
						040	5.30	.06	470	4.76	-1.91	Meth: 101.30 PCT		
			Meth: 050.XX PCT			Avg			472			Acid Soluble Calcium		
			<u>Soluble Potash</u>			5.28			4.77			<u>ICP</u>		
			322	7.77 s	8.96	389	5.27	-.06	325	4.68	-2.20	483	11.00 s	3.98
			474	6.66 s	5.05	105	5.27	-.12	500	0.55 s	-17.10	035	9.89	1.35
			483	6.11 s	3.54	024	5.26	-.12				049	9.91	1.20
			483	6.11 s	3.54	489	5.25	-.14	Meth: 060.00 PCT			474	10.01	.99
			023	6.08 A	2.89	504	5.25	-.15	Free Water			096	9.98	.98
			117	6.00	2.58	157	5.28	-.18	<u>Vacuum Oven</u>			102	9.66	.05
			117	6.00	2.58	034	5.24	-.19	096	1.19	1.37	Avg	9.66	
			102	5.80	1.86	377	5.22	-.24	416	0.92	.15	482	9.55	-.33
			498	5.75	1.69	096	5.25	-.25	Avg	0.89		389	9.47	-.53
			444	5.72 R	1.64	090	5.23	-.27	007	0.83	-.29	354	9.66	-.79
			007	5.70	1.54	136	5.23	-.27	456	0.62	-1.23			
			487	5.65	1.33									

* 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: 151.30 PPM</u>			<u>Meth: 165.XX PCT</u>			<u>Meth: 181.XX PPM</u>			<u>Meth: 190.XX PCT</u>			<u>Meth: 191.30 PPM</u>		
Arsenic			Acid Soluble Boron			Cadmium			Water Soluble Chlori			Chromium		
ICP			354	0.009	1.30	501	0.45	.32	055	5.84 s	2.25	ICP		
247	1.65	1.33	Avg	0.003		498	0.42	.17	230	5.61	1.93	444	122.50	-.67
095	1.50	1.30	389	0.000	-.60	452	0.41	.11	389	5.21	1.36	482	112.30 R	-1.05
368	1.40	.24	504	0.000	-.68	487	0.40	.05	481	4.53	.39	035	49.80	-2.52
096	1.40	.03				Avg	0.39		Avg	4.16				
Avg	1.39		<u>Meth: 171.99 PCT</u>			035	0.32 R	-.45	029	4.22	-.05	<u>Meth: 191.99 PPM</u>		
474	1.00	-.99	Water Soluble Boron			095	0.00	-2.19	043	4.19	-.12	Chromium		
			<u>Other</u>						258	4.13	-.18	<u>Other</u>		
			247	0.450	.71	<u>Meth: 190.00 PCT</u>			105	4.13	-.18	501	41.15	.71
<u>Meth: 151.99 PPM</u>			<u>Meth: 181.00 PPM</u>			Water Soluble Chlori			504	4.12	-.19	<u>Meth: 191.XX PPM</u>		
Arsenic			Cadmium			<u>Titrimetric</u>			498	4.10	-.22	Chromium		
Other			<u>Atomic Absorption</u>			055	5.84 s	10.02	029	4.06	-.29	474	176.50	.83
501	1.37	.71	498	0.42	.71	230	5.61 s	8.71	102	4.04	-.30	481	174.35	.79
						481	4.53	2.43	494	3.97	-.41	230	173.00	.76
<u>Meth: 151.XX PPM</u>			<u>Meth: 181.30 PPM</u>			029	4.22	.63	506	3.93	-.46	096	171.70	.74
Arsenic			Cadmium			043	4.19	.54	444	3.88	-.54	368	170.50	.72
247	1.65	1.33	<u>ICP</u>			258	4.13	.16	368	3.30	-1.36	247	159.45	.52
095	1.50	1.24	474	2.00 S	6.82	105	4.13	.08	497	3.08	-1.68	452	159.55	.52
368	1.40	.36	230	0.60	.98	504	4.12	.04				102	158.16	.49
096	1.40	.30	Avg	4.11		<u>Meth: 191.00 PPM</u>			Chromium			Avg 130.75		
501	1.37	.23	498	4.10	-.07	Atomic Absorption			481 174.35 .97			506 123.50 -.14		
Avg	1.27		102	4.04	-.42	481 174.35 .97			506 123.50 .26			444 122.50 -.15		
474	1.00	-.60	494	3.97	-.83	506 123.50 .26			Avg 105.82			482 112.30 R -.47		
498	0.55	-1.61	506	3.93	-1.07	Avg 105.82			498 19.60 -1.22			035 49.80 -1.46		
			444	3.88	-1.37	498 19.60 -1.22						501 41.15 -1.61		
<u>Meth: 165.70 PCT</u>			<u>Meth: 181.99 PPM</u>			<u>Meth: 190.99 PCT</u>			<u>Meth: 191.30 PPM</u>			<u>Meth: 202.00 PPM</u>		
Acid Soluble Boron			Cadmium			Water Soluble Chlori			Chromium			Acid Soluble Cobalt		
<u>Titrimetric</u>			<u>Other</u>			<u>Other</u>			<u>ICP</u>			<u>AA</u>		
504	0.000	.00	501	0.45	.94	389	5.21	1.18	474	176.50	.71	506	16.75	.71
			Avg	0.42		Avg	4.19		230	173.00	.61			
<u>Meth: 165.99 PCT</u>			<u>Meth: 181.XX PPM</u>			029	4.06	-.17	096	171.70	.58	<u>Meth: 202.30 PPM</u>		
Acid Soluble Boron			Cadmium			368	3.30	-1.03	368	170.50	.55	Acid Soluble Cobalt		
Other			<u>ICP</u>			<u>Meth: 191.30 PPM</u>			247 159.45 .29			ICP		
354	0.009	.88	474	2.00 s	9.03	Chromium			452 159.55 .27			474 32.50 1.39		
Avg	0.005		230	0.60	1.18	Avg 149.02			102 158.16 .23			086 32.23 1.34		
389	0.000	-.85	102	0.46	.39									

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 202.30 PPM			Meth: 221.30 PCT			Meth: 221.XX PCT			Meth: 241.30 PCT			Meth: 241.99 PCT		
<u>Acid Soluble Cobalt</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>Avg</u>			<u>ICP</u>			<u>Other</u>		
494	28.02	.74	095	0.0100	1.74	027	0.0080	-.17	324	1.57	1.71	042	1.34	.80
096	26.98	.57	354	0.0100	1.74	474	0.0078	-.31	483	1.51	1.38	Avg	1.31	
095	27.00	.57	482	0.0100	1.74	086	0.0082	-.32	086	1.50	1.35	460	1.27	-.89
Avg	23.13		368	0.0090	.77	043	0.0078	-.35	055	1.49	1.27			
368	23.05	-.18	049	0.0087	.47	096	0.0078	-.36	474	1.45	1.01			
482	21.70	-.33	086	0.0082	.34	481	0.0078	-.36	177	1.42	.89	Meth: 241.XX PCT		
230	19.75	-.50	Avg	0.0082		230	0.0078	-.40	049	1.41	.86	<u>Acid Soluble Iron</u>		
049	15.97	-1.05	027	0.0080	-.17	433	0.0076	-.49	095	1.38	.67	324	1.57	1.78
102	15.86	-1.07	474	0.0078	-.32	504	0.0076	-.59	360	1.38	.62	483	1.51	1.42
035	11.40	-1.72	096	0.0078	-.37	483	0.0075	-.60	368	1.36	.55	086	1.50	1.39
			230	0.0078	-.42	494	0.0074	-.68	371	1.36	.53	055	1.49	1.30
Meth: 202.XX PPM			433	0.0076	-.51	102	0.0075 R	-.77	494	1.34	.46	474	1.45	1.02
<u>Acid Soluble Cobalt</u>			483	0.0075	-.63	472	0.0075 R	-.77	354	1.33	.45	504	1.44	.96
474	32.50	1.48	494	0.0074	-.72	105	0.0073	-.82	157	1.32	.31	485	1.43	.95
086	32.23	1.43	472	0.0075 R	-.81	389	0.0072	-.89	482	1.31	.30	177	1.42	.90
494	28.02	.83	102	0.0075 R	-.81	444	0.0071	-.98	096	1.29	.15	049	1.41	.86
096	26.98	.65	389	0.0072	-.94	105	0.0068	-1.26	234	1.28	.10	029	1.41	.81
095	27.00	.65	444	0.0071	-1.04	035	0.0068	-1.30	444	1.27	.03	095	1.38	.65
368	23.05	.20	035	0.0068	-1.38				Avg	1.26		105	1.37	.64
Avg	22.60					Meth: 241.00 PCT			291	1.23	-.20	360	1.38	.60
482	21.70	-.28	Meth: 221.99 PCT			<u>Acid Soluble Iron</u>			231	1.19	-.42	040	1.38	.60
230	19.75	-.43	<u>Acid Soluble Copper</u>			<u>Atomic Absorption</u>			452	1.19	-.45	258	1.37	.57
506	16.75	-.86	<u>Other</u>			504	1.44	.92	230	1.16	-.61	368	1.36	.52
049	15.97	-.98	487	0.0101	.86	485	1.43	.91	102	1.15	-.66	371	1.36	.51
102	15.86	-1.00	Avg	0.0087		029	1.41	.75	420	1.12	-.84	494	1.34	.43
035	11.40	-1.66	105	0.0073	-.87	105	1.37	.59	433	1.10	-.90	354	1.33	.43
						040	1.38	.51	486	1.02	-1.40	105	1.32	.39
Meth: 221.00 PCT			Meth: 221.XX PCT			258	1.37	.48	389	1.00	-1.48	042	1.34	.39
<u>Acid Soluble Copper</u>			<u>Acid Soluble Copper</u>			043	1.34	.26	472	0.99	-1.56	043	1.34	.37
<u>Atomic Absorption</u>			498	0.0850 s	69.54	Avg	1.30		397	0.95	-1.76	482	1.31	.27
498	0.0850 s	68.01	487	0.0101	1.77	498	1.15	-1.08	035	0.90	-2.05	157	1.32	.27
506	0.0100	1.77	482	0.0100	1.64	481	1.07	-1.58	247	0.76 R	-2.82	096	1.29	.10
Avg	0.0080		095	0.0100	1.64	506	1.06	-1.64				234	1.28	.07
043	0.0078	-.17	354	0.0100	1.64				Meth: 241.99 PCT			Avg	1.28	
481	0.0078	-.18	506	0.0100	1.64				<u>Acid Soluble Iron</u>			444	1.27	-.04
504	0.0076	-.41	368	0.0090	.72				<u>Other</u>			460	1.27	-.07
105	0.0068	-1.06	049	0.0087	.44				105	1.32	1.03	291	1.23	-.28
												231	1.19	-.52

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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.XX PCT			Meth: 251.99 PPM			Meth: 261.30 PCT			Meth: 289.00 PPM			Meth: 291.00 PPM		
<u>Acid Soluble Iron</u>			<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Molybdenum</u>			<u>Nickel</u>		
452	1.19	-.55	Other			ICP			<u>Atomic Absorption</u>			<u>Atomic Absorption</u>		
230	1.16	-.73	501	15.39	.78	086	0.288 s	158.29	506	25.00 s	.00	506	90.50	.87
102	1.15	-.78	Avg	12.80		482	0.025 R	3.03				Avg	83.45	
498	1.15	-.82	487	10.20	-.95	354	0.026	1.17	Meth: 289.30 PPM			481	76.40	-.87
420	1.12	-.97				096	0.026	.97	<u>Molybdenum</u>					
433	1.10	-1.04	Meth: 251.XX PPM			474	0.026	.86	<u>ICP</u>			Meth: 291.30 PPM		
481	1.07	-1.25	<u>Lead</u>			049	0.025	.72	049	18.06	1.62	<u>Nickel</u>		
506	1.06	-1.30	498	23.25	2.00	247	0.024	.71	368	17.55	1.21	<u>ICP</u>		
486	1.02	-1.58	049	16.90	.72	Avg	0.024		230	16.85	.76	444	94.38	1.22
389	1.00	-1.67	482	16.05 R	.69	420	0.024	-.12	474	16.50	.62	474	93.50	1.19
472	0.99	-1.76	247	16.85	.68	102	0.024	-.58	Avg	15.67		096	93.15	1.18
397	0.95	-1.97	035	14.80	.50	494	0.022	-1.24	494	15.33	-.27	247	92.90	.98
035	0.90	-2.28	452	15.51	.41	389	0.022	-1.59	452	15.17	-.32	368	91.75	.43
247	0.76 R	-3.12	501	15.39	.39				102	14.88	-.54	Avg	90.35	
			230	14.90	.29	Meth: 261.99 PCT			433	14.66	-.65	230	89.00	-.60
Meth: 251.00 PPM			096	14.70	.27	<u>Acid Soluble Manganese</u>			095	14.50	-.82	095	88.00	-.76
<u>Lead</u>			102	14.32	.17	<u>Other</u>			096	13.20	-1.71	452	87.35	-.90
<u>Atomic Absorption</u>			095	13.50	.10	105	0.025	.71	035	6.09 s	-6.15	049	86.91	-1.03
498	23.25	.71	Avg	13.49								102	86.61	-1.13
			444	13.37	-.03	Meth: 261.XX PCT			Meth: 289.XX PPM			482	57.20 s	-10.17
Meth: 251.30 PPM			487	10.20	-.76	<u>Acid Soluble Manganese</u>			<u>Molybdenum</u>			035	29.90 s	-17.92
<u>Lead</u>			368	8.98	-.92	086	0.288 s	126.63	506	25.00 s	5.99	Meth: 291.XX PPM		
<u>ICP</u>			481	8.65	-.98	506	0.030	2.41	049	18.06	1.62	<u>Nickel</u>		
049	16.90	.95	474	1.00	-2.53	482	0.025 R	2.41	368	17.55	1.21	444	94.38	1.21
247	16.85	.92				354	0.026	.68	230	16.85	.76	474	93.50	1.18
482	16.05 R	.89	Meth: 261.00 PCT			049	0.025	.48	474	16.50	.62	096	93.15	1.18
035	14.80 R	.66	<u>Acid Soluble Manganese</u>			096	0.026	.46	Avg	15.67		506	90.50	1.03
452	15.51	.63	<u>AA</u>			105	0.025	.39	494	15.33	-.27	247	92.90	.97
230	14.90	.50	506	0.030	.86	474	0.026	.37	452	15.17	-.32	368	91.75	.42
096	14.70	.47	Avg	0.028		504	0.026	.34	102	14.88	-.54	Avg	90.37	
102	14.32	.37	504	0.026	-.88	105	0.025	.20	433	14.66	-.65	230	89.00	-.60
095	13.50	.22				Avg	0.025		095	14.50	-.82	095	88.00	-.76
444	13.37	.17	Meth: 261.11 PCT			420	0.024	-.35	096	13.20	-1.71	452	87.35	-.90
Avg	12.61		<u>Acid Soluble Manganese</u>			247	0.024	-.62	035	6.09 s	-6.15	049	86.91	-1.03
368	8.98	-.79	<u>AA</u>			102	0.024	-.76				102	86.61	-1.13
481	8.65	-.86	105	0.025	.71	494	0.022	-1.31				481	76.40 A	-4.25
474	1.00	-2.51				389	0.022	-1.60				482	57.20 s	-10.14

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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: 291.XX PPM</u>			<u>Meth: 311.99 PCT</u>			<u>Meth: 321.30 PCT</u>			<u>Meth: 321.XX PCT</u>			<u>Meth: 321.XX PCT</u>		
<u>Nickel</u>			<u>Sodium</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
035	29.90 s	-17.86	<u>Other</u>			<u>ICP</u>			095	0.040	.24	481	0.040	.24
<u>Meth: 301.30 PPM</u>			Avg	0.09		096	0.043	1.32	481	0.040	.24	292	0.040	.24
<u>Selenium</u>			102	0.08	-.56	095	0.040	.49	292	0.040	.24	506	0.040	.24
<u>ICP</u>			482	0.07	-.87	292	0.040	.49	433	0.040	.14	433	0.040	.14
230	0.84	.88	494	0.06	-1.32	433	0.040	.40	420	0.040	.08	420	0.040	.08
Avg	0.42		<u>Meth: 311.XX PCT</u>			420	0.040	.33	247	0.039	.17	Avg	0.039	
095	0.00	-.86	<u>Sodium</u>			474	0.038	-.02	Avg	0.038		247	0.039	-.09
<u>Meth: 301.99 PPM</u>			086	0.78 s	32.70	102	0.038	-.15	105	0.039	-.21	105	0.039	-.21
<u>Selenium</u>			506	0.12	1.44	368	0.037	-.55	474	0.038	-.28	474	0.038	-.28
<u>Other</u>			354	0.11	1.20	389	0.036	-.83	102	0.038	-.42	102	0.038	-.42
501	0.18	.71	096	0.09 R	.47	027	0.036	-.98	368	0.037	-.74	368	0.037	-.74
<u>Meth: 301.XX PPM</u>			035	0.10	.27	049	0.035	-1.12	389	0.036	-1.10	389	0.036	-1.10
<u>Selenium</u>			474	0.09	.03	035	0.036	-1.14	027	0.036	-1.24	027	0.036	-1.24
230	0.84	1.27	Avg	0.09		494	0.035	-1.23	035	0.036	-1.34	035	0.036	-1.34
Avg	0.34		102	0.08	-.66	230	0.035	-1.24	494	0.035	-1.39	494	0.035	-1.39
501	0.18	-.41	482	0.07	-.92	444	0.029 s	-3.42	230	0.035	-1.51	230	0.035	-1.51
095	0.00	-.84	494	0.06	-1.28	<u>Meth: 321.99 PCT</u>			444	0.035 R	-2.14	444	0.029 s	-3.69
<u>Meth: 311.00 PCT</u>			<u>Meth: 321.00 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>		
<u>Sodium</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
<u>Atomic Absorption</u>			<u>Atomic Absorption</u>			<u>Other</u>			<u>Other</u>			<u>Other</u>		
506	0.12	.00	504	0.044	1.56	460	0.042	.05	460	0.042	.05	460	0.042	.05
<u>Meth: 311.30 PCT</u>			498	0.042 R	.78	Avg	0.042		Avg	0.042		Avg	0.042	
<u>Sodium</u>			Avg	0.041		105	0.042	-1.22	105	0.042	-1.22	105	0.042	-1.22
<u>Flame Photometric</u>			506	0.040	-.32	<u>Meth: 321.XX PCT</u>			<u>Meth: 321.XX PCT</u>			<u>Meth: 321.XX PCT</u>		
086	0.78 S	.00	481	0.040	-.32	<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
<u>Meth: 311.99 PCT</u>			105	0.039	-.93	086	0.239 s	91.95	086	0.239 s	91.95	086	0.239 s	91.95
<u>Sodium</u>			043	0.035 s	-3.56	482	0.045 R	2.48	482	0.045 R	2.48	482	0.045 R	2.48
<u>Other</u>			<u>Meth: 321.30 PCT</u>			<u>Meth: 321.30 PCT</u>			<u>Meth: 321.30 PCT</u>			<u>Meth: 321.30 PCT</u>		
354	0.11	1.70	<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
096	0.09	.64	<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
035	0.10	.57	086	0.239 s	91.47	483	0.045	1.79	483	0.045	1.79	483	0.045	1.79
474	0.09	.27	482	0.045 R	2.66	472	0.044 R	1.79	472	0.044 R	1.79	472	0.044 R	1.79
<u>Meth: 311.99 PCT</u>			483	0.045	2.04	504	0.044	1.54	504	0.044	1.54	504	0.044	1.54
<u>Sodium</u>			472	0.044 R	1.98	354	0.043	1.26	354	0.043	1.26	354	0.043	1.26
<u>Other</u>			354	0.043	1.50	105	0.042	1.18	105	0.042	1.18	105	0.042	1.18
354	0.11	1.70	<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>		
096	0.09	.64	<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
035	0.10	.57	<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
474	0.09	.27	086	0.239 s	91.47	096	0.043	1.08	096	0.043	1.08	096	0.043	1.08
<u>Meth: 311.99 PCT</u>			482	0.045 R	2.66	498	0.042	.95	498	0.042	.95	498	0.042	.95
<u>Sodium</u>			472	0.044 R	1.98	460	0.042	.89	460	0.042	.89	460	0.042	.89
<u>Other</u>			354	0.043	1.50	<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>		
354	0.11	1.70	<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
096	0.09	.64	<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
035	0.10	.57	086	0.239 s	91.47	096	0.043	1.08	096	0.043	1.08	096	0.043	1.08
474	0.09	.27	482	0.045 R	2.66	498	0.042	.95	498	0.042	.95	498	0.042	.95
<u>Meth: 311.99 PCT</u>			472	0.044 R	1.98	460	0.042	.89	460	0.042	.89	460	0.042	.89
<u>Sodium</u>			354	0.043	1.50	<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>		
<u>Other</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
354	0.11	1.70	<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
096	0.09	.64	086	0.239 s	91.47	096	0.043	1.08	096	0.043	1.08	096	0.043	1.08
035	0.10	.57	482	0.045 R	2.66	498	0.042	.95	498	0.042	.95	498	0.042	.95
474	0.09	.27	472	0.044 R	1.98	460	0.042	.89	460	0.042	.89	460	0.042	.89
<u>Meth: 311.99 PCT</u>			354	0.043	1.50	<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>		
<u>Sodium</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
<u>Other</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
354	0.11	1.70	086	0.239 s	91.47	096	0.043	1.08	096	0.043	1.08	096	0.043	1.08
096	0.09	.64	482	0.045 R	2.66	498	0.042	.95	498	0.042	.95	498	0.042	.95
035	0.10	.57	472	0.044 R	1.98	460	0.042	.89	460	0.042	.89	460	0.042	.89
474	0.09	.27	354	0.043	1.50	<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>		
<u>Meth: 311.99 PCT</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
<u>Sodium</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
<u>Other</u>			086	0.239 s	91.47	096	0.043	1.08	096	0.043	1.08	096	0.043	1.08
354	0.11	1.70	482	0.045 R	2.66	498	0.042	.95	498	0.042	.95	498	0.042	.95
096	0.09	.64	472	0.044 R	1.98	460	0.042	.89	460	0.042	.89	460	0.042	.89
035	0.10	.57	354	0.043	1.50	<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>		
474	0.09	.27	<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
<u>Meth: 311.99 PCT</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
<u>Sodium</u>			086	0.239 s	91.47	096	0.043	1.08	096	0.043	1.08	096	0.043	1.08
<u>Other</u>			482	0.045 R	2.66	498	0.042	.95	498	0.042	.95	498	0.042	.95
354	0.11	1.70	472	0.044 R	1.98	460	0.042	.89	460	0.042	.89	460	0.042	.89
096	0.09	.64	354	0.043	1.50	<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>		
035	0.10	.57	<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
474	0.09	.27	<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
<u>Meth: 311.99 PCT</u>			086	0.239 s	91.47	096	0.043	1.08	096	0.043	1.08	096	0.043	1.08
<u>Sodium</u>			482	0.045 R	2.66	498	0.042	.95	498	0.042	.95	498	0.042	.95
<u>Other</u>			472	0.044 R	1.98	460	0.042	.89	460	0.042	.89	460	0.042	.89
354	0.11	1.70	354	0.043	1.50	<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>		
096	0.09	.64	<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
035	0.10	.57	<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
474	0.09	.27	086	0.239 s	91.47	096	0.043	1.08	096	0.043	1.08	096	0.043	1.08
<u>Meth: 311.99 PCT</u>			482	0.045 R	2.66	498	0.042	.95	498	0.042	.95	498	0.042	.95
<u>Sodium</u>			472	0.044 R	1.98	460	0.042	.89	460	0.042	.89	460	0.042	.89
<u>Other</u>			354	0.043	1.50	<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>		
354	0.11	1.70	<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
096	0.09	.64	<u>ICP</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
035	0.10	.57	086	0.239 s	91.47	096	0.043	1.08	096	0.043	1.08	096	0.043	1.08
474	0.09	.27	482	0.045 R	2.66	498	0.042	.95	498	0.042	.95	498	0.042	.95
<u>Meth: 311.99 PCT</u>			472	0.044 R	1.98	460	0.042	.89	460	0.042	.89	460	0.042	.89
<u>Sodium</u>			354	0.043	1.50	<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>			<u>Meth: 321.99 PCT</u>		
<u>Other</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>			<u>Acid Soluble Zinc</u>		
354	0.11	1.70	<u>ICP</u>			<u>ICP</u>								

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	10	2.24	5.00	0.45	144.02	3	0.00	1.12	0.05
001.99	9	7.25	21.77	0.13	144.70	2	0.00	1.21	0.13
001.XX	19	4.15	15.33	0.18	144.99	22	- 0.04	0.94	0.45
003.10	5	0.00	1.05	0.14	144.XX	37	- 0.03	0.98	0.41
003.XX	6	0.00	1.04	0.15	151.30	5	0.00	0.61	0.77
005.00	4	0.00	1.08	0.07	151.XX	7	0.00	0.83	0.58
005.99	4	0.00	1.08	0.06	165.99	2	0.000	1.209	0.141
005.XX	8	0.00	1.03	0.06	165.XX	3	0.000	1.107	0.126
009.10	5	0.00	1.04	0.17	181.30	6	1.10	2.93	0.06
009.XX	5	0.00	1.04	0.17	181.99	2	0.00	1.11	0.37
010.11	6	- 1.65	4.15	0.20	181.XX	9	0.96	3.16	0.08
010.12	6	- 0.62	1.79	0.42	190.00	14	0.91	4.03	0.16
010.60	46	- 0.14	1.13	0.48	190.99	3	0.00	1.12	0.05
010.99	7	0.00	0.97	0.36	190.XX	16	0.01	1.05	0.05
010.XX	64	- 0.18	1.48	0.47	191.00	3	0.00	1.12	0.03
020.20	2	0.00	0.71	0.71	191.30	10	- 0.09	1.01	0.16
020.XX	4	0.00	1.07	0.12	191.XX	14	- 0.02	0.98	0.10
041.50	2	0.00	0.84	0.63	202.30	11	0.00	1.01	0.14
041.XX	3	0.00	0.97	0.45	202.XX	12	0.00	1.01	0.14
050.00	15	- 0.03	0.97	0.28	221.00	6	11.311	27.724	1.8013
050.10	2	0.00	0.99	0.51	221.30	18	- 0.072	0.9707	0.1965
050.30	5	0.00	1.04	0.17	221.99	2	0.0000	1.2187	0.0858
050.50	8	0.00	0.98	0.30	221.XX	25	2.7671	13.912	0.9192
050.51	12	0.16	1.12	0.47	241.00	10	0.00	1.01	0.18
050.60	4	0.00	1.04	0.25	241.30	31	- 0.09	1.10	0.15
050.61	6	0.00	1.00	0.29	241.99	3	0.00	0.78	0.65
050.99	24	- 0.10	4.25	0.25	241.XX	43	- 0.08	1.10	0.16
050.XX	69	0.03	2.63	0.36	251.30	13	0.09	0.96	0.20
060.00	4	0.00	1.07	0.11	251.99	2	0.00	1.10	0.38
060.XX	5	0.04	1.16	0.13	251.XX	16	0.03	0.98	0.20
101.00	2	0.00	1.21	0.15	261.00	2	0.000	1.210	0.134
101.30	11	0.35	1.40	0.64	261.30	11	14.426	47.720	1.003
101.99	2	0.00	1.22	0.07	261.XX	14	9.036	33.858	0.720
101.XX	14	- 0.07	0.95	0.33	289.30	11	- 0.56	2.07	0.32
121.00	2	0.00	1.22	0.08	289.XX	12	- 0.01	2.73	0.32
121.30	12	0.11	1.00	0.49	291.00	2	0.00	1.10	0.38
121.99	2	0.00	1.22	0.07	291.30	12	- 2.31	5.72	0.88
121.XX	15	0.07	1.02	0.34	291.XX	14	- 2.27	5.31	0.90
144.01	14	- 0.51	1.96	0.35	301.30	2	0.00	1.21	0.14

Method Evaluation - Z Values Based on 1 Reports

<u>Method Code</u>	<u>Number Of Labs</u>	<u>Avg Bias of Labs</u>	<u>Std Dev of Biases</u>	<u>Std Dev Within Labs</u>	<u>Method Code</u>	<u>Number Of Labs</u>	<u>Avg Bias of Labs</u>	<u>Std Dev of Biases</u>	<u>Std Dev Within Labs</u>
301.XX	3	0.00	1.10	0.14					
311.99	7	0.00	0.99	0.29					
311.XX	9	3.64	10.94	0.21					
321.00	6	- 0.343	1.436	0.982					
321.30	21	3.113	14.208	14.084					
321.99	2	0.000	0.067	0.865					
321.XX	27	2.328	12.602	12.515					