

- Pass 1 Results for 84 Labs - - Pass 2 Results for 79 Labs -

Method	AOAC Ref.	Method Code	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Ammoniacal Nitrogen, MgO Distillation	920.03	001.10	3	8.38	0.61	0.20	3	8.38	0.61	0.20
Ammoniacal Nitrogen, Other		001.99	6	8.21	0.67	0.06	6	8.21	0.67	0.06
Method Group 001.XX PCT			9	8.27	0.64	0.10	8	8.16	0.59	0.05
Nitrate Nitrogen, Other		002.99	4	8.33	0.52	0.15	4	8.33	0.52	0.15
Nitrogen From Urea, Urease (as N)	959.03	005.00	3	15.93	0.32	0.03	3	15.93	0.32	0.03
Nitrogen From Urea, Other		005.99	6	16.12	0.83	0.30	6	16.12	0.83	0.30
Method Group 005.XX PCT			9	16.06	0.69	0.21	9	16.06	0.69	0.21
Nitrogen From Biuret, AA (as N)	970.01	006.00	1	0.88	0.00	0.01	1	0.88	0.00	0.01
Nitrogen From Biuret, Spec. (as N)	960.04	006.10	1	0.76	0.00	0.00	1	0.76	0.00	0.00
Method Group 006.XX PCT			2	0.82	0.07	0.00	2	0.82	0.07	0.00
Percent Urea, Other		007.99	1	15.08	0.07	0.10	1	15.08	0.07	0.10
Percent Biuret, Spec (as Biuret)	960.04	008.10	4	0.97	0.15	0.01	4	0.97	0.15	0.01
Percent Biuret, Other		008.99	2	2.65	2.89	0.08	2	2.65	2.89	0.08
Method Group 008.XX PCT			6	1.53	1.73	0.03	5	0.80	0.37	0.01
Ammon & Nitrate N, Devarda	892.01	009.10	3	16.23	0.93	0.38	3	16.23	0.93	0.38
Total Nitrogen, Modified Comprehensive	978.02	010.11	6	31.55	0.76	0.29	5	31.44	0.72	0.08
Total Nitrogen, Salicylic	955.04D	010.12	5	31.66	0.69	0.10	5	31.66	0.69	0.10
Total Nitrogen, Combustion		010.60	50	32.13	0.38	0.21	44	32.14	0.32	0.14
Total Nitrogen, Other		010.99	6	32.15	0.49	0.10	6	32.15	0.49	0.10
Method Group 010.XX PCT			69	32.05	0.53	0.21	61	32.02	0.50	0.12
Total Phosphate, Spectrometric	958.01	020.20	1	0.15	0.01	0.02	1	0.15	0.01	0.02
Total Phosphate, ICP		020.50	2	0.04	0.01	0.01	2	0.04	0.01	0.01
Total Phosphate, Other		020.99	1	0.10	0.00	0.00	1	0.10	0.00	0.00
Method Group 020.XX PCT			4	0.08	0.05	0.01	4	0.08	0.05	0.01
Insoluble Phosphate, Other		030.99	1	0.02	0.01	0.01	1	0.02	0.01	0.01
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	1	0.10	0.00	0.00	1	0.10	0.00	0.00
Dir Available Phosphate, ICP		041.50	2	0.01	0.01	0.00	2	0.01	0.01	0.00
Dir Available Phosphate, Other		041.99	1	0.07	0.03	0.05	1	0.07	0.03	0.05
Method Group 041.XX PCT			4	0.04	0.05	0.01	3	0.04	0.05	0.00
Water Soluble Phosphate, Spectrometric	970.01	048.20	1	0.13	0.00	0.00	1	0.13	0.00	0.00
Water Soluble Phosphate, Other		048.99	1	4.67	0.03	0.04	1	4.67	0.03	0.04
Method Group 048.XX PCT			2	2.40	2.62	0.02	2	2.40	2.62	0.02
Soluble Potash, STPB Oxalate	958.02	050.00	20	61.74	1.24	0.46	18	61.81	1.23	0.29
Soluble Potash, STPB Citrate	969.04	050.10	1	61.40	0.00	0.00	1	61.40	0.00	0.00
Soluble Potash, AA (Oxalate)		050.30	8	62.14	0.99	0.55	8	62.14	0.99	0.55
Soluble Potash, AA (Citrate)		050.31	2	60.63	0.21	0.18	2	60.63	0.21	0.18
Soluble Potash, ICP (Oxalate)		050.50	7	61.50	2.16	0.65	6	61.15	2.05	0.29
Soluble Potash, ICP (Citrate)		050.51	12	61.66	1.82	0.39	11	61.85	1.76	0.29
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	3	61.64	0.62	0.21	3	61.64	0.62	0.21

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Soluble Potash, Flame (Citrate)	983.02(b)	050.61	7	62.62	0.91	0.68	7	62.62	0.91	0.68
Soluble Potash, Other		050.99	20	61.35	1.47	0.44	19	61.31	1.48	0.37
Method Group 050.XX PCT			80	61.69	1.45	0.47	74	61.68	1.42	0.34
Free Water, Vacuum Oven	965.08B	060.00	4	0.07	0.10	0.01	3	0.02	0.01	0.00
Acid Soluble Calcium, ICP		101.30	3	0.32	0.42	0.02	3	0.32	0.42	0.02
Acid Soluble Magnesium, ICP		121.30	3	0.37	0.54	0.00	3	0.37	0.54	0.00
Water Soluble Magnesium, AA		131.00	1	0.20	0.00	0.00	1	0.20	0.00	0.00
Sulfur, Other		144.99	2	9.28	10.70	0.25	2	9.28	10.70	0.25
Arsenic, ICP		151.30	1	1.29	0.02	0.03	1	1.29	0.02	0.03
Cadmium, ICP		181.30	1	0.12	0.02	0.03	1	0.12	0.02	0.03
Water Soluble Chlorine, Other		190.99	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Chromium, ICP		191.30	1	4.62	0.17	0.24	1	4.62	0.17	0.24
Acid Soluble Cobalt, ICP	965.11	202.30	1	0.93	0.01	0.02	1	0.93	0.01	0.02
Acid Soluble Copper, ICP		221.30	1	1.9250	0.0778	0.1100	1	1.9250	0.0778	0.1100
Acid Soluble Copper, Other		221.99	1	0.0000	0.0000	0.0000	1	0.0000	0.0000	0.0000
Method Group 221.XX PCT			2	0.9625	1.1123	0.0550	2	0.9625	1.1123	0.0550
Acid Soluble Iron, ICP		241.30	3	0.18	0.26	0.00	3	0.18	0.26	0.00
Lead, ICP		251.30	1	3.52	0.13	0.18	1	3.52	0.13	0.18
Acid Soluble Manganese, ICP	972.02a	261.30	1	0.003	0.000	0.000	1	0.003	0.000	0.000
Acid Soluble Manganese, Other		261.99	1	0.000	0.000	0.000	1	0.000	0.000	0.000
Method Group 261.XX PCT			2	0.002	0.002	0.000	2	0.002	0.002	0.000
Mercury, ICP		281.30	1	0.82	0.00	0.00	1	0.82	0.00	0.00
Nickel, ICP		291.30	1	1.81	0.02	0.03	1	1.81	0.02	0.03
Selenium, ICP		301.30	1	0.63	0.01	0.02	1	0.63	0.01	0.02
Sodium, Other		311.99	2	0.33	0.02	0.02	2	0.33	0.02	0.02
Acid Soluble Zinc, ICP		321.30	1	0.005	0.000	0.000	1	0.005	0.000	0.000

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
<u>Meth: 001.10 PCT</u>			<u>Meth: 005.00 PCT</u>			<u>Meth: 006.10 PCT</u>			<u>Meth: 008.XX PCT</u>			<u>Meth: 010.60 PCT</u>		
<u>Ammoniacal Nitrogen</u>			<u>Nitrogen From Urea</u>			<u>Nitrogen From Biuret</u>			<u>Percent Biuret</u>			<u>Total Nitrogen</u>		
<u>MgO Distillation</u>			<u>Urease (as N)</u>			<u>Spec</u>						<u>Combustion</u>		
258	9.10	1.26	368	16.23	.95	481	0.76	.00	356	0.14	-1.77	023	32.49	R 1.61
Avg	8.38		220	16.02	.28							034	32.60	1.48
232	8.21	-.29	Avg	15.93		<u>Meth: 006.XX PCT</u>			<u>Ammon & Nitrate N</u>			420	32.60	1.45
486	7.82	-.91	232	15.55	-1.23	<u>Nitrogen From Biuret</u>			<u>Devarda</u>			351	32.30	R 1.45
			481	7.37	S -27.14	456	0.88	.87	489	17.08	.92	360	32.57	1.32
<u>Meth: 001.99 PCT</u>			<u>Meth: 005.99 PCT</u>			481	0.76	-.87	Avg	16.45	.57	486	32.43	1.14
<u>Ammoniacal Nitrogen</u>			<u>Nitrogen From Urea</u>			<u>Meth: 007.99 PCT</u>			Avg	16.23		096	32.44	.94
<u>Other</u>			<u>Other</u>			<u>Percent Urea</u>			420	15.15	-1.16	275	32.43	.87
489	9.62	2.11	444	17.62	1.82	<u>Other</u>						292	32.42	.86
Avg	8.21		027	16.20	.22	<u>Meth: 010.11 PCT</u>			<u>Meth: 010.11 PCT</u>			325	32.40	.85
169	8.13	-.13	169	16.22	.12	<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			451	32.40	.79
027	8.00	-.33	Avg	16.12		<u>Modified Comprehensi</u>			<u>Modified Comprehensi</u>			027	32.36	.77
324	7.90	-.48	482	15.95	-.37	114	32.13	R 1.31	114	32.13	R 1.31	452	32.34	.60
420	7.84	-.56	356	15.70	-.59	090	32.19	1.04	090	32.19	1.04	049	32.30	.50
482	7.80	-.62	309	15.06	-1.29	220	32.03	.82	220	32.03	.82	040	32.25	.36
			230	8.11	S -9.70	309	31.73	.47	309	31.73	.47	291	32.24	.30
<u>Meth: 001.XX PCT</u>			<u>Meth: 005.XX PCT</u>			489	1.19	1.43	Avg	31.44		009	32.22	.26
<u>Ammoniacal Nitrogen</u>			<u>Nitrogen From Urea</u>			450	0.99	.14	211	30.64	-1.10	450	32.20	.17
489	9.62	2.48	444	17.62	2.26	Avg	0.97		470	30.61	-1.15	037	32.18	.11
258	9.10	R 1.65	027	16.20	.31	090	0.90	-.49				035	32.16	.08
232	8.21	.09	368	16.23	.25	232	0.81	-1.09	<u>Meth: 010.12 PCT</u>			Avg	32.14	
Avg	8.16		169	16.22	.23	<u>Meth: 008.99 PCT</u>			<u>Total Nitrogen</u>			086	32.10	-.14
169	8.13	-.07	Avg	16.06		<u>Percent Biuret</u>			<u>Salicylic</u>			247	32.11	-.16
027	8.00	-.30	220	16.02	-.05	<u>Other</u>						485	32.12	-.20
324	7.90	-.46	482	15.95	-.39	486	5.16	.87	455	32.45	1.15	489	32.08	-.21
420	7.84	-.56	356	15.70	-.62	Avg	2.65		254	32.06	.58	423	32.13	-.21
486	7.82	-.58	232	15.55	-.74	356	0.14	-.87	185	31.69	.19	136	32.07	-.23
482	7.80	-.62	309	15.06	-1.45	<u>Meth: 008.XX PCT</u>			Avg	31.66		073	32.11	-.27
			230	8.11	s -11.49	<u>Percent Biuret</u>			481	31.59	-.10	043	32.05	-.31
<u>Meth: 002.99 PCT</u>			<u>Meth: 006.00 PCT</u>			486	5.16	R 11.68	<u>Meth: 010.60 PCT</u>			230	32.05	-.33
<u>Nitrate Nitrogen</u>			<u>Nitrogen From Biuret</u>			489	1.19	1.02	<u>Total Nitrogen</u>			488	32.05	-.33
<u>Other</u>			<u>AA (as N)</u>			450	0.99	.50	<u>Combustion</u>			231	32.01	-.44
482	9.05	1.42	456	0.88	.71	090	0.90	.25	368	33.46	s 4.16	356	32.01	-.44
027	8.46	.25				232	0.81	.01	324	32.80	2.24	393	31.99	-.51
Avg	8.33					Avg	0.80		025	32.47	R 1.72	232	31.98	-.51
232	8.03	-.62							029	32.65	1.62	426	32.09	-.54
486	7.81	-1.02										055	31.89	-.81

* 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: 020.40 PCT			Meth: 041.50 PCT		
Total Nitrogen			Total Nitrogen			Total Nitrogen			Total Phosphate			Dir Available Phosph		
<u>Combustion</u>						<u>Avg</u>			<u>Automated</u>			<u>ICP</u>		
102	32.12	-.86	034	32.60	1.19	231	32.01	-.04	247	4.98 S	.00	Avg	0.01	
177	31.76	-1.20	420	32.60	1.17	356	32.01	-.06				325	0.00	-.87
018	31.75	-1.24	360	32.57	1.09	232	31.98	-.08	Meth: 020.50 PCT			Meth: 041.99 PCT		
157	31.75	-1.24	351	32.30 R	1.03	393	31.99	-.10	Total Phosphate			Dir Available Phosph		
234	31.73	-1.30	486	32.43	.93	030	31.91	-.26	<u>ICP</u>			<u>Other</u>		
233	31.95 R	-1.33	455	32.45	.86	055	31.89	-.27	483	0.04	.68	137	0.07	-.71
041	31.73 R	-1.77	096	32.44	.85	177	31.76	-.52	Avg	0.04				
028	31.63	-1.92	275	32.43	.81	018	31.75	-.54	482	0.04	-1.02			
042	31.51	-2.06	292	32.42	.80	157	31.75	-.54	Meth: 020.99 PCT			Meth: 041.XX PCT		
260	31.36	-2.45	325	32.40	.78	234	31.73	-.58	Total Phosphate			<u>Dir Available Phosph</u>		
377	31.06 A	-3.39	451	32.40	.76	309	31.73	-.69	<u>Other</u>			022	0.10	1.29
483	30.91 s	-3.88	027	32.36	.72	185	31.69	-.70	022	0.10	.00	137	0.07 R	.82
007	31.10 s	-4.09	460	32.38	.71	233	31.95 R	-.77				Avg	0.04	
022	30.30 s	-5.81	452	32.34	.64	481	31.59	-.85	Meth: 020.XX PCT			377	0.01	-.54
			102	32.12	.58	041	31.73 R	-.96	<u>Total Phosphate</u>			325	0.00	-.74
			049	32.30	.57	028	31.63 R	-1.02	247	4.98 s	95.36	Meth: 048.20 PCT		
			072	32.27	.50	042	31.51	-1.08	420	0.15	1.36	Water Soluble Phosph		
			040	32.25	.47	260	31.36	-1.31	022	0.10	.38	<u>Spectrometric</u>		
			291	32.25	.45	397	31.30	-1.44	Avg	0.08		420	0.13	.00
			291	32.24	.44	377	31.06	-1.92	483	0.04	-.84	Meth: 048.99 PCT		
			009	32.22	.40	483	30.91	-2.23	482	0.04	-.89	Water Soluble Phosph		
			450	32.20	.36	007	31.10 s	-2.42	Meth: 030.99 PCT			<u>Other</u>		
			426	32.09	.35	211	30.64	-2.74	Insoluble Phosphate			247	4.67	.71
			090	32.19	.34	470	30.61	-2.80	<u>Other</u>					
			037	32.18	.32	416	30.52	-2.99	247	0.02	.71	Meth: 048.XX PCT		
			035	32.16	.28	022	30.30 s	-3.46	Meth: 041.10 PCT			247	4.67	.87
			423	32.13	.25	200	17.68 s	-28.47	Dir Available Phosph			Avg	2.40	
			073	32.11	.24	200	17.68 s	-28.47	<u>Grav Quimociac</u>			420	0.13	-.87
			485	32.12	.24	420	15.70 s	-32.41	022			0.10	.00	
			247	32.11	.19	Meth: 020.20 PCT			Meth: 041.50 PCT			Meth: 050.00 PCT		
			086	32.10	.16	Total Phosphate			Dir Available Phosph			Soluble Potash		
			489	32.08	.13	<u>Spectrometric</u>			<u>ICP</u>			<u>STPB Oxalate</u>		
			488	32.05	.12	420	0.15	-.71	377	0.01	.87	230	64.95	2.57
			230	32.05	.12							009	62.96	.94
			136	32.07	.10									
			254	32.06	.08									
			043	32.05	.05									
			220	32.03	.02									

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Meth: 050.00 PCT			Meth: 050.30 PCT			Meth: 050.51 PCT			Meth: 050.99 PCT			Meth: 050.XX PCT		
Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash		
<u>STPB Oxalate</u>			<u>AA (Oxalate)</u>			<u>ICP (Citrate)</u>			<u>Other</u>					
211	62.61	.65	309	60.36	-1.80	423	59.93	-1.09	027	61.87	.38	037	62.63	.67
416	62.53	.60	428	7.99 s	-54.85	483	59.57 R	-1.37	260	61.67	.29	325	62.30	.66
485	61.84 X	.57				291	32.05 s	-16.89	360	61.60	.19	211	62.61	.65
072	62.45	.52	Meth: 050.31 PCT						043	61.42	.16	416	62.53	.60
049	62.40	.49	Soluble Potash			Meth: 050.60 PCT			Avg	61.31		072	62.45	.54
489	62.21	.33	<u>AA (Citrate)</u>			Soluble Potash			460	61.15	-.12	049	62.40	.51
231	62.20	.33	030	60.77	1.05	<u>Flame (Oxalate)</u>			455	60.90	-.29	485	61.84 X	.50
233	61.97	.18	Avg	60.63		169	62.30	1.05	200	60.81	-.34	023	62.03	.50
Avg	61.81		254	60.50	-.63	406	61.68	.39	232	60.59	-.50	169	62.30	.44
444	61.67	-.15				Avg	61.64		481	60.40	-.62	489	62.21	.37
041	61.66	-.27	Meth: 050.50 PCT			476	60.95	-1.11	322	59.45	-1.26	231	62.20	.37
220	61.47	-.28	Soluble Potash			443	48.88 S	-20.46	368	58.27	-2.06	247	62.20	.36
470	61.02	-.64	<u>ICP (Oxalate)</u>			Meth: 050.61 PCT			488	58.25	-2.11	073	61.78	.34
258	61.44 R	-.78	292	65.10	1.92	Soluble Potash			042	21.05 s	-27.17	351	61.95	.28
090	60.58	-1.00	324	63.60 R	1.38	<u>Flame (Citrate)</u>			Meth: 050.XX PCT			035	61.98	.27
055	60.36	-1.18	055	61.80	.33	028	63.29	1.31	<u>Soluble Potash</u>			233	61.97	.23
022	60.75 R	-1.27	Avg	61.15		029	63.72	1.22	275	67.47 s	4.10	402	61.90	.21
397	60.10	-1.39	420	60.66	-.24	018	63.25	.74	007	66.60 s	3.54	034	61.90	.21
102	59.60	-1.80	444	60.17	-.48	018	63.25	.74	292	65.10	2.41	137	61.92	.17
114	15.50 s	-37.64	426	60.22	-.50	037	62.63	.13	452	65.01	2.34	055	61.80	.15
			157	58.95	-1.07	Avg	62.62		230	64.95	2.32	027	61.87	.14
						035	61.98	-.76	393	64.79	2.19	Avg	61.68	
Meth: 050.10 PCT			Meth: 050.51 PCT			034	61.90	-.82	324	63.60 R	1.67	360	61.60	-.06
Soluble Potash			Soluble Potash			456	61.60	-1.21	029	63.72	1.44	444	61.67	-.09
<u>STPB Citrate</u>			<u>ICP (Citrate)</u>			Meth: 050.99 PCT			177	63.58	1.34	220	61.47	-.16
117	61.40	.00	007	66.60 S	2.75	Soluble Potash			018	63.25	1.12	406	61.68	-.17
			452	65.01	1.79	<u>Other</u>			028	63.29 R	1.33	260	61.67	-.17
Meth: 050.30 PCT			393	64.79	1.67	275	67.47 s	4.17	018	63.25	1.12	117	61.40	-.20
Soluble Potash			009	63.21	.77	177	63.58	1.53	450	63.20	1.11	041	61.66	-.21
<u>AA (Oxalate)</u>			023	62.03	.37	450	63.20	1.31	009	63.21	1.08	043	61.42	-.24
040	63.15	1.03	137	61.92	.06	025	62.75	.97	040	63.15	1.03	043	61.34	-.24
136	63.00	.88	Avg	61.85		451	62.69	.94	136	63.00	.93	456	61.60	-.29
185	62.80	.79	043	61.34	-.29	325	62.30	.82	009	62.96	.90	460	61.15	-.38
234	62.65	.52	377	61.13	-.41	482	62.10 R	.81	185	62.80	.84	377	61.13	-.39
Avg	62.14		072	60.55	-.75	247	62.20	.59	025	62.75	.76	470	61.02	-.47
351	61.95	-.35	485	60.33	-.87	402	61.90	.42	451	62.69	.73	476	60.95	-.52
073	61.78	-.60	486	60.09	-1.00				482	62.10 R	.70	157	61.40	-.53
157	61.40	-1.03												

* 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.XX PCT <u>Soluble Potash</u>			Meth: 060.00 PCT Free Water <u>Vacuum Oven</u>			Meth: 181.30 PPM Cadmium <u>ICP</u>			Meth: 241.30 PCT Acid Soluble Iron <u>ICP</u>			Meth: 301.30 PPM Selenium <u>ICP</u>		
455	60.90	-.56	007	0.00	-1.17	393	0.12	.71	Avg	0.18		393	0.63	.71
200	60.81	-.62	Meth: 101.30 PCT Acid Soluble Calcium <u>ICP</u>			Meth: 190.99 PCT Water Soluble Chlori <u>Other</u>			420	0.02	-.62	Meth: 311.99 PCT Sodium <u>Other</u>		
258	61.44 R	-.65	247	0.86	1.29	027	0.00	.71	393	0.00	-.67	423		
030	60.77	-.66	Avg	0.32		Meth: 191.30 PPM Chromium <u>ICP</u>			Meth: 251.30 PPM Lead <u>ICP</u>			482		
420	60.66	-.72	420	0.06	-.63	Meth: 261.30 PCT Acid Soluble Mangane <u>ICP</u>			393	3.52	.71	Avg		
232	60.59	-.78	482	0.05	-.66	Meth: 202.30 PPM Acid Soluble Cobalt <u>ICP</u>			420	0.003	.00	482		
090	60.58	-.78	Meth: 121.30 PCT Acid Soluble Magnesi <u>ICP</u>			Meth: 221.30 PCT Acid Soluble Copper <u>ICP</u>			Meth: 261.99 PCT Acid Soluble Mangane <u>Other</u>			484		
072	60.55	-.83	247	1.06	1.29	Meth: 221.99 PCT Acid Soluble Copper <u>Other</u>			484	0.000	.00	Meth: 281.30 PPM Mercury <u>ICP</u>		
254	60.50	-.83	Avg	0.37		Meth: 221.XX PCT <u>Acid Soluble Copper</u>			420	0.003	.87	393		
481	60.40	-.91	483	0.03	-.63	393			484	0.002	-.87	Meth: 291.30 PPM Nickel <u>ICP</u>		
309	60.36	-.93	022	0.02	-.66	Meth: 241.30 PCT Acid Soluble Iron <u>ICP</u>			393	1.81	-.71			
055	60.36	-.94	Meth: 131.00 PCT Water Soluble Magnes <u>AA</u>			393								
485	60.33	-.97	484	0.20	.00	Meth: 221.30 PCT Acid Soluble Copper <u>ICP</u>								
022	60.75 R	-1.04	Meth: 144.99 PCT Sulfur <u>Other</u>			484								
444	60.17	-1.07	247	18.55	.87	Meth: 221.99 PCT Acid Soluble Copper <u>Other</u>								
426	60.22	-1.07	Avg	9.28		484								
397	60.10	-1.12	483	0.01	-.87	Meth: 221.XX PCT <u>Acid Soluble Copper</u>								
486	60.09	-1.12	Meth: 151.30 PPM Arsenic <u>ICP</u>			393								
423	59.93	-1.24	393	1.29	-.71	Meth: 241.30 PCT Acid Soluble Iron <u>ICP</u>								
102	59.60	-1.47	Meth: 060.00 PCT Free Water <u>Vacuum Oven</u>			247								
322	59.45	-1.57	247	0.23 R	15.53	Avg								
483	59.57 R	-1.59	489	0.03	1.05	484								
157	58.95	-1.93	416	0.02	.22	Meth: 241.30 PCT Acid Soluble Iron <u>ICP</u>								
368	58.27	-2.41	Avg	0.02		247								
488	58.25	-2.46	483	0.01	-.87	Meth: 241.30 PCT Acid Soluble Iron <u>ICP</u>								
443	48.88 s	-9.03	Meth: 151.30 PPM Arsenic <u>ICP</u>			247								
291	32.05 s	-20.88	393	1.29	-.71	Meth: 241.30 PCT Acid Soluble Iron <u>ICP</u>								
042	21.05 s	-28.63	Meth: 060.00 PCT Free Water <u>Vacuum Oven</u>			247								
114	15.50 s	-32.54	247	0.23 R	15.53	Avg								
428	7.99 s	-37.83	489	0.03	1.05	484								
			416	0.02	.22	Meth: 241.30 PCT Acid Soluble Iron <u>ICP</u>								
			Avg	0.02		247								

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

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
001.10	3	0.00	1.08	0.24	144.99	2	0.00	1.22	0.02
001.99	6	0.00	1.05	0.05	144.XX	2	0.00	1.22	0.02
001.XX	9	0.18	1.10	0.15	221.XX	2	0.00	1.22	0.03
002.99	4	0.00	1.06	0.17	241.30	3	0.00	1.12	0.00
002.XX	4	0.00	1.06	0.17	241.XX	3	0.00	1.12	0.00
005.00	4	- 6.78	13.60	0.10	261.XX	2	0.00	1.22	0.00
005.99	7	- 1.38	3.77	0.36	311.99	2	0.00	0.71	0.71
005.XX	11	- 2.18	4.94	0.34	311.XX	2	0.00	0.71	0.71
006.XX	2	0.00	1.22	0.03					
008.10	4	0.00	1.08	0.03					
008.99	2	0.00	1.22	0.02					
008.XX	6	1.95	4.86	0.08					
009.10	3	0.00	1.06	0.30					
009.XX	3	0.00	1.06	0.30					
010.11	6	0.16	1.02	0.38					
010.12	5	0.00	1.06	0.09					
010.60	54	- 0.21	1.55	0.63					
010.99	8	- 7.94	14.77	0.16					
010.XX	71	- 0.66	3.98	2.03					
020.50	2	0.00	0.39	0.82					
020.XX	5	19.07	42.66	0.10					
041.50	2	0.00	1.22	0.00					
041.XX	4	0.17	0.97	0.24					
048.XX	2	0.00	1.22	0.01					
050.00	21	- 1.85	8.25	0.31					
050.30	9	- 6.09	18.31	0.34					
050.31	2	0.00	0.89	0.59					
050.50	7	0.17	1.05	0.27					
050.51	14	- 1.11	4.70	0.22					
050.60	4	- 5.11	10.26	0.47					
050.61	7	0.00	0.90	0.48					
050.99	22	- 1.02	5.98	0.24					
050.XX	80	- 1.49	6.89	0.32					
060.00	4	3.86	7.76	0.93					
060.XX	4	3.86	7.76	0.93					
101.30	3	0.00	1.12	0.04					
101.XX	3	0.00	1.12	0.04					
121.30	3	0.00	1.12	0.00					
121.XX	3	0.00	1.12	0.00					