

- Pass 1 Results for 79 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	12	13.06	0.21	0.10	11	13.09	0.18	0.06
Ammoniacal Nitrogen, Other		001.99	12	13.08	0.18	0.07	12	13.08	0.18	0.07
Method Group 001.XX PCT			24	13.07	0.19	0.08	23	13.09	0.18	0.07
Nitrate Nitrogen, Other		002.99	2	0.14	0.02	0.01	2	0.14	0.02	0.01
Ammon & Nitrate N, Devarda	892.01	009.10	3	13.02	0.44	0.26	3	13.02	0.44	0.26
Ammon & Nitrate N, Other		009.99	1	13.21	0.02	0.03	1	13.21	0.02	0.03
Method Group 009.XX PCT			4	13.07	0.38	0.20	4	13.07	0.38	0.20
Total Nitrogen, Modified Comprehensive	978.02	010.11	7	13.10	0.16	0.05	7	13.10	0.16	0.05
Total Nitrogen, Salicylic	955.04D	010.12	1	13.12	0.08	0.12	1	13.12	0.08	0.12
Total Nitrogen, Combustion		010.60	51	13.35	0.17	0.08	48	13.34	0.16	0.06
Total Nitrogen, Other		010.99	4	13.27	0.16	0.05	4	13.27	0.16	0.05
Method Group 010.XX PCT			65	13.31	0.20	0.08	61	13.31	0.19	0.06
Total Phosphate, Grav Quimociac	962.02	020.10	6	5.19	0.04	0.02	5	5.20	0.04	0.01
Total Phosphate, Spectrometric	958.01	020.20	13	5.28	0.19	0.08	12	5.30	0.17	0.05
Total Phosphate, Automated	978.01	020.40	6	5.23	0.19	0.07	5	5.21	0.20	0.03
Total Phosphate, ICP		020.50	10	5.23	0.23	0.18	10	5.23	0.23	0.18
Total Phosphate, Other		020.99	2	5.14	0.37	0.02	2	5.14	0.37	0.02
Method Group 020.XX PCT			38	5.24	0.19	0.10	35	5.24	0.19	0.07
Insoluble Phosphate, Grav Quimociac ...	963.03C	030.10	1	0.01	0.00	0.00	1	0.01	0.00	0.00
Insoluble Phosphate, Spectrometric	963.03C	030.20	2	0.06	0.06	0.00	2	0.06	0.06	0.00
Insoluble Phosphate, Automated	978.01	030.40	1	0.21	0.01	0.01	1	0.21	0.01	0.01
Insoluble Phosphate, Other		030.99	1	0.05	0.01	0.01	1	0.05	0.01	0.01
Method Group 030.XX PCT			5	0.08	0.08	0.01	5	0.08	0.08	0.01
InDir Available Phosphate, Grav Quim ..	960.02	040.10	1	5.14	0.07	0.10	1	5.14	0.07	0.10
InDir Available Phosphate, Automated ..	960.02	040.40	1	4.95	0.08	0.11	1	4.95	0.08	0.11
InDir Available Phosphate, Other		040.99	2	5.31	0.10	0.03	2	5.31	0.10	0.03
Method Group 040.XX PCT			4	5.18	0.18	0.07	4	5.18	0.18	0.07
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	13	5.16	0.09	0.03	13	5.16	0.09	0.03
Dir Available Phosphate, Spectrometric	960.03D	041.20	2	5.07	0.11	0.02	2	5.07	0.11	0.02
Dir Available Phosphate, Automated	978.01	041.40	3	5.12	0.05	0.02	3	5.12	0.05	0.02
Dir Available Phosphate, ICP		041.50	10	5.05	0.12	0.06	10	5.05	0.12	0.06
Dir Available Phosphate, EDTA Extract .	993.01	041.60	12	5.17	0.12	0.10	12	5.17	0.12	0.10
Dir Available Phosphate, Other		041.99	1	5.17	0.05	0.07	1	5.17	0.05	0.07
Method Group 041.XX PCT			41	5.13	0.11	0.06	38	5.11	0.10	0.05
Water Soluble Phosphate, Spectrometric	970.01	048.20	3	4.67	0.25	0.03	3	4.67	0.25	0.03
Water Soluble Phosphate, ICP		048.50	1	4.91	0.02	0.03	1	4.91	0.02	0.03
Method Group 048.XX PCT			4	4.73	0.24	0.03	4	4.73	0.24	0.03
Soluble Potash, STPB Oxalate	958.02	050.00	17	12.49	0.25	0.09	16	12.49	0.26	0.07
Soluble Potash, STPB Citrate	969.04	050.10	2	12.96	0.19	0.19	2	12.96	0.19	0.19

- Pass 1 Results for 79 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
Soluble Potash, AA (Oxalate)		050.30	6	12.26	0.51	0.10	6	12.26	0.51	0.10
Soluble Potash, ICP (Oxalate)		050.50	10	12.33	0.49	0.18	9	12.39	0.46	0.12
Soluble Potash, ICP (Citrate)		050.51	10	12.35	0.35	0.23	9	12.32	0.32	0.16
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	6	12.46	0.50	0.31	5	12.53	0.34	0.04
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	8	12.71	0.29	0.21	8	12.71	0.29	0.21
Soluble Potash, Other		050.99	23	12.29	0.36	0.27	20	12.30	0.30	0.14
Method Group 050.XX PCT			82	12.41	0.40	0.20	75	12.42	0.36	0.12
Free Water, Vacuum Oven	965.08B	060.00	6	0.83	0.18	0.05	6	0.83	0.18	0.05
Free Water, Other		060.99	1	1.61	0.28	0.40	1	1.61	0.28	0.40
Method Group 060.XX PCT			7	0.94	0.34	0.10	6	0.83	0.18	0.05
Acid Soluble Calcium, ICP		101.30	16	1.78	0.12	0.03	16	1.78	0.12	0.03
Method Group 101.XX PCT			16	1.78	0.12	0.03	16	1.78	0.12	0.03
Acid Soluble Magnesium, ICP		121.30	16	0.18	0.02	0.01	16	0.18	0.02	0.01
Method Group 121.XX PCT			16	0.18	0.02	0.01	16	0.18	0.02	0.01
Sulfur, Gravimetric	980.02a	144.01	17	14.20	0.30	0.12	17	14.20	0.30	0.12
Sulfur, Gravimetric	980.02b	144.02	1	13.71	0.06	0.08	1	13.71	0.06	0.08
Sulfur, Other		144.99	24	13.91	0.59	0.20	22	13.90	0.59	0.13
Method Group 144.XX PCT			43	14.00	0.52	0.18	40	14.02	0.50	0.12
Arsenic, ICP		151.30	10	330.58	20.55	15.65	10	330.58	20.55	15.65
Arsenic, Other		151.99	2	350.23	12.08	13.79	2	350.23	12.08	13.79
Method Group 151.XX PPM			12	333.85	20.59	15.34	12	333.85	20.59	15.34
Acid Soluble Boron, Spectrometric	982.01	165.00	6	0.044	0.004	0.003	6	0.044	0.004	0.003
Acid Soluble Boron, Other		165.99	19	0.049	0.010	0.003	17	0.048	0.010	0.002
Method Group 165.XX PCT			25	0.048	0.010	0.003	23	0.047	0.009	0.002
Water Soluble Boron, Other		171.99	1	0.053	0.001	0.001	1	0.053	0.001	0.001
Cadmium, Atomic Absorption		181.00	1	339.50	16.26	23.00	1	339.50	16.26	23.00
Cadmium, ICP		181.30	14	343.55	19.70	8.37	14	343.55	19.70	8.37
Cadmium, Other		181.99	1	373.30	2.66	3.76	1	373.30	2.66	3.76
Method Group 181.XX PPM			16	345.16	20.06	9.00	16	345.16	20.06	9.00
Water Soluble Chlorine, Other		190.99	2	4.95	5.71	0.01	2	4.95	5.71	0.01
Chromium, Atomic Absorption		191.00	1	123.00	1.41	2.00	1	123.00	1.41	2.00
Chromium, ICP		191.30	13	109.82	13.18	7.73	12	111.68	11.16	6.06
Chromium, Other		191.99	1	81.45	6.62	9.37	1	81.45	6.62	9.37
Method Group 191.XX PPM			15	108.80	14.75	7.46	14	110.33	13.53	6.00
Acid Soluble Cobalt, AA		202.00	1	1125.0	91.92	130.00	1	1125.0	91.92	130.00
Acid Soluble Cobalt, ICP	965.11	202.30	11	945.97	53.68	24.25	11	945.97	53.68	24.25
Acid Soluble Cobalt, Other		202.99	2	945.81	37.75	26.99	2	945.81	37.75	26.99
Method Group 202.XX PPM			14	958.74	70.12	32.20	13	945.95	50.90	24.67
Acid Soluble Copper, Atomic Absorption	975.01	221.00	10	0.0346	0.0037	0.0022	9	0.0346	0.0035	0.0013

- Pass 1 Results for 79 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
Acid Soluble Copper, ICP		221.30	28	0.0330	0.0041	0.0021	25	0.0323	0.0034	0.0012
Acid Soluble Copper, Other		221.99	3	0.0359	0.0031	0.0035	3	0.0359	0.0031	0.0035
Method Group 221.XX PCT			41	0.0336	0.0040	0.0022	38	0.0334	0.0038	0.0016
Acid Soluble Iron, Atomic Absorption ..	980.01	241.00	11	2.81	0.28	0.09	11	2.81	0.28	0.09
Acid Soluble Iron, ICP		241.30	33	2.05	1.02	0.08	31	2.03	1.02	0.07
Acid Soluble Iron, Other		241.99	2	2.84	0.13	0.05	2	2.84	0.13	0.05
Method Group 241.XX PCT			47	2.25	0.93	0.08	45	2.25	0.93	0.07
Lead, Atomic Absorption		251.00	1	4550.0	0.00	0.00	1	4550.0	0.00	0.00
Lead, ICP		251.30	13	3688.5	1852.4	105.44	13	3688.5	1852.4	105.44
Lead, Other		251.99	1	4729.3	90.12	127.45	1	4729.3	90.12	127.45
Method Group 251.XX PPM			15	3815.4	1751.4	99.88	15	3815.4	1751.4	99.88
Acid Soluble Manganese, AA	972.02a	261.00	10	0.161	0.010	0.008	10	0.161	0.010	0.008
Acid Soluble Manganese, AA	972.02b	261.11	1	0.168	0.005	0.007	1	0.168	0.005	0.007
Acid Soluble Manganese, ICP	972.02a	261.30	26	0.154	0.013	0.006	24	0.153	0.013	0.005
Acid Soluble Manganese, ICP	972.02b	261.31	2	0.155	0.009	0.005	2	0.155	0.009	0.005
Acid Soluble Manganese, Other		261.99	4	0.168	0.010	0.006	4	0.168	0.010	0.006
Method Group 261.XX PCT			44	0.159	0.014	0.006	43	0.158	0.014	0.006
Mercury, Atomic Absorption		281.00	1	620.45	2.76	3.90	1	620.45	2.76	3.90
Mercury, ICP		281.30	3	596.77	568.11	66.36	3	596.77	568.11	66.36
Mercury, Other		281.99	2	660.06	38.33	20.26	2	660.06	38.33	20.26
Method Group 281.XX PPM			6	621.81	384.68	40.58	5	493.67	264.01	13.70
Molybdenum, ICP		289.30	17	17.80	2.70	0.85	17	17.80	2.70	0.85
Molybdenum, Other		289.99	1	15.00	1.41	2.00	1	15.00	1.41	2.00
Method Group 289.XX PPM			18	17.65	2.72	0.92	18	17.65	2.72	0.92
Nickel, Atomic Absorption		291.00	1	1210.0	14.14	20.00	1	1210.0	14.14	20.00
Nickel, ICP		291.30	14	1153.5	105.50	47.32	13	1135.8	81.32	35.26
Nickel, Other		291.99	1	1093.1	48.85	69.09	1	1093.1	48.85	69.09
Method Group 291.XX PPM			16	1153.3	101.08	46.97	15	1137.9	79.31	36.50
Selenium, ICP		301.30	7	116.46	8.33	3.75	7	116.46	8.33	3.75
Selenium, Other		301.99	3	114.96	18.93	13.86	3	114.96	18.93	13.86
Method Group 301.XX PPM			10	116.01	11.93	6.79	10	116.01	11.93	6.79
Sodium, Other		311.99	7	0.38	0.08	0.01	7	0.38	0.08	0.01
Acid Soluble Zinc, Atomic Absorption ..	975.02	321.00	11	0.157	0.006	0.004	10	0.158	0.006	0.003
Acid Soluble Zinc, ICP		321.30	33	0.165	0.012	0.006	31	0.165	0.011	0.004
Acid Soluble Zinc, Other		321.99	2	0.168	0.009	0.002	2	0.168	0.009	0.002
Method Group 321.XX PCT			47	0.164	0.012	0.006	43	0.162	0.009	0.004
Water Soluble Zinc, ICP		325.30	1	0.136	0.001	0.002	1	0.136	0.001	0.002

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: 009.99 PCT			Meth: 010.60 PCT			Meth: 010.60 PCT		
<u>Ammoniacal Nitrogen</u>			<u>Ammoniacal Nitrogen</u>			<u>Ammon & Nitrate N</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>		
<u>MgO Distillation</u>			<u>Other</u>			<u>Other</u>			<u>Combustion</u>			<u>Combustion</u>		
291	13.42	1.84	105	13.23	.86	393	13.21	.71	037	13.62 R	2.27	007	13.25	-.64
117	13.34	1.41	405	13.24	.85	220	13.17	.47	444	13.60	1.68	324	13.30	-.67
444	13.25	.88	420	13.16	.43	Meth: 009.XX PCT			102	13.41 R	1.50	072	13.23	-.77
029	13.10	.04	096	13.14	.28	<u>Ammon & Nitrate N</u>			043	13.58	1.49	361	13.21	-.84
Avg	13.09		397	13.10	.07	420	13.47	1.07	443	13.55	1.35	351	13.20	-.85
090	13.07	-.16	393	13.09	.06	393	13.21	.36	405	13.55	1.28	230	13.20	-.87
419	13.05	-.36	029	13.10	.05	Avg	13.07		042	13.45 R	1.16	018	13.20	-.87
232	13.04	-.48	Avg	13.09		090	13.00	-.23	009	13.51	1.09	368	13.18	-1.02
230	13.00	-.50	371	13.07	-.13	030	12.60	-1.47	307	13.50	1.07	024	13.16	-1.17
456	13.00	-.68	090	13.07	-.15	Meth: 010.11 PCT			330	13.50	1.00	325	13.15	-1.22
416	12.93 X	-.93	419	13.05	-.35	<u>Total Nitrogen</u>			055	13.49	.94	451	13.14	-1.28
351	12.82	-1.55	232	13.04	-.47	<u>Modified Comprehensi</u>			419	13.45	.76	057	13.11	-1.44
330	12.75 R	-2.38	230	13.00	-.49	220	13.25	.95	450	13.45	.76	406	13.05	-1.81
Meth: 001.99 PCT			456	13.00	-.67	105	13.21	.65	377	13.44	.68	354	12.96	-2.39
<u>Ammoniacal Nitrogen</u>			416	12.93 X	-.91	456	13.20	.61	028	13.44	.63	426	12.92 s	-3.03
<u>Other</u>			255	12.91	-1.09	029	13.18	.49	291	13.42	.50	Meth: 010.99 PCT		
422	13.35	1.54	027	12.87	-1.22	Avg	13.10		086	13.41	.41	<u>Total Nitrogen</u>		
105	13.23	.85	351	12.82	-1.53	114	13.09	-.54	177	13.38	.36	<u>Other</u>		
405	13.24	.84	234	12.71	-2.23	090	13.02	-.54	292	13.40	.35	105	13.48	1.38
220	13.17	.47	330	12.75 R	-2.36	211	12.78	-1.99	106	13.35	.32	234	13.31	.32
420	13.16	.43	Meth: 002.99 PCT			460	12.59 S	-3.17	041	13.34	.31	Avg	13.27	
096	13.14	.29	<u>Nitrate Nitrogen</u>			260	12.59 S	-3.21	049	13.38	.24	420	13.19	-.53
397	13.10	.09	<u>Other</u>			Meth: 010.12 PCT			073	13.38	.22	255	13.10	-1.10
393	13.09	.06	232	0.16	.87	<u>Total Nitrogen</u>			247	13.35	.22	Meth: 010.XX PCT		
Avg	13.08		Avg	0.14		<u>Salicylic</u>			136	13.37	.20	<u>Total Nitrogen</u>		
371	13.07	-.11	393	0.12	-.87	Avg			029	13.36	.14	034	34.91 s	115.59
255	12.91	-1.05	Meth: 009.10 PCT			185	13.12	-.71	402	13.32	-.16	360	13.83	2.78
027	12.87	-1.18	<u>Ammon & Nitrate N</u>			455	12.13 S	-11.73	035	13.33	-.18	428	13.80	2.67
234	12.71	-2.16	<u>Devarda</u>			Meth: 010.60 PCT			131	13.31	-.22	037	13.62 R	2.06
Meth: 001.XX PCT			420	13.47	1.03	<u>Total Nitrogen</u>			296	13.31	-.23	444	13.60	1.58
<u>Ammoniacal Nitrogen</u>			Avg	13.02		<u>Combustion</u>			390	13.33	-.32	043	13.58	1.42
291	13.42	1.85	090	13.00	-.13	034	34.91 s	134.77	027	13.28	-.38	102	13.41 R	1.34
422	13.35	1.56	030	12.60	-1.19	360	13.83	3.07	040	13.27	-.44	443	13.55	1.30
117	13.34	1.42	Meth: 010.60 PCT			428	13.80 s	2.94	233	13.28	-.45	405	13.55	1.25
444	13.25	.89	<u>Total Nitrogen</u>			Meth: 010.60 PCT			232	13.32	-.45	042	13.45 R	1.09
			<u>Combustion</u>			<u>Total Nitrogen</u>			231	13.27	-.47			

* 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: 010.XX PCT			Meth: 020.20 PCT			Meth: 020.50 PCT			Meth: 020.XX PCT		
<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>			<u>Total Phosphate</u>		
009	13.51	1.08	351	13.20	-.58	<u>Spectrometric</u>			<u>ICP</u>			114	5.26	.09
307	13.50	1.06	018	13.20	-.60	428	10.33 s	30.51	247	5.17	-.26	Avg	5.24	
330	13.50	1.01	230	13.20	-.60	460	5.65	2.14	390	5.11	-.81	041	5.22	-.10
055	13.49	.96	456	13.20	-.60	371	5.42	.98	307	5.20	-.85	402	5.22	-.12
105	13.48	.93	420	13.19	-.66	405	5.42	.71	368	5.06	-.88	231	5.20	-.21
419	13.45	.79	029	13.18	-.71	406	5.40	.58	451	4.91	-1.43	022	5.20	-.21
450	13.45	.79	368	13.18	-.72	292	5.35	.30	432	4.85 s	-2.40	117	5.19	-.25
377	13.44	.72	024	13.16	-.86	Avg	5.30					247	5.18	-.35
028	13.44	.69	325	13.15	-.90	232	5.30	-.10	Meth: 020.99 PCT			247	5.17	-.38
291	13.42	.57	451	13.14	-.95	420	5.28	-.16	<u>Total Phosphate</u>			105	5.15	-.48
086	13.41	.50	185	13.12	-1.07	220	5.29	-.35	<u>Other</u>			416	5.15 X	-.49
292	13.40	.45	057	13.11	-1.08	231	5.20	-.61	455	11.05 S	16.12	419	5.14	-.54
177	13.38	.42	255	13.10	-1.14	416	5.15 X	-.91	443	6.47 S	3.64	090	5.15	-.55
232	13.32	.38	114	13.09	-1.29	419	5.14	-.97	422	5.46	.87	426	5.23	-.60
049	13.38	.35	406	13.05	-1.40	450	5.03	-1.65	Avg	5.14		035	5.12	-.68
073	13.38	.34	090	13.02	-1.59	324	5.04 R	-2.11	234	4.82	-.87	096	5.11	-.70
106	13.35	.34	354	12.96	-1.90	Meth: 020.40 PCT			Meth: 020.XX PCT			105	5.09	-.81
136	13.37	.32	426	12.92 R	-2.47	<u>Total Phosphate</u>			<u>Total Phosphate</u>			390	5.11	-1.03
041	13.34	.31	211	12.78	-2.84	<u>Automated</u>						307	5.20 R	-1.05
390	13.33	.29	460	12.59 s	-3.86	456	5.58	1.87	393	14.63 s	50.60	368	5.06	-1.13
029	13.36	.27	260	12.59 s	-3.89	042	5.30 R	.80	455	11.05 s	31.34	450	5.03	-1.14
247	13.35	.26	455	12.13 s	-6.35	Avg	5.21		428	10.33 s	27.48	324	5.04 R	-1.64
035	13.33	.15	Meth: 020.10 PCT			247	5.18	-.20	443	6.47 s	6.65	451	4.91	-1.80
402	13.32	.03	<u>Total Phosphate</u>			035	5.12	-.52	460	5.65	2.23	234	4.82	-2.26
Avg	13.31		<u>Grav Quimociac</u>			096	5.11	-.53	361	5.59	1.90	432	4.85 s	-2.97
131	13.31	-.04	444	5.38 s	6.35	105	5.09	-.63	456	5.58	1.84	Meth: 030.10 PCT		
296	13.31	-.09	114	5.26	1.41	Meth: 020.50 PCT			330	5.50 R	1.77	<u>Insoluble Phosphate</u>		
234	13.31	-.16	041	5.22	.44	<u>Total Phosphate</u>			422	5.46	1.16	<u>Grav Quimociac</u>		
027	13.28	-.18	Avg	5.20		<u>ICP</u>			371	5.42	1.14	090	0.01	.00
040	13.27	-.23	022	5.20	-.11	393	14.63 s	41.45	444	5.38	1.11	Meth: 030.20 PCT		
231	13.27	-.25	117	5.19	-.35	361	5.59	1.60	405	5.42	.96	<u>Insoluble Phosphate</u>		
233	13.28	-.27	105	5.15	-1.48	330	5.50	1.49	406	5.40	.84	<u>Spectrometric</u>		
007	13.25	-.42	090	5.15 R	-2.02	426	5.23	.49	042	5.30	.79	220	0.12	.87
220	13.25	-.46				255	5.30	.46	292	5.35	.60	Avg	0.06	
072	13.23	-.52				Avg	5.23		255	5.30	.53	405	0.01	-.86
324	13.30	-.54				402	5.22	-.06	220	5.29	.39			
105	13.21	-.58							232	5.30	.31			
361	13.21	-.58							420	5.28	.19			

* 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: 030.40 PCT			Meth: 040.XX PCT			Meth: 041.40 PCT			Meth: 041.99 PCT			Meth: 041.XX PCT		
<u>Insoluble Phosphate</u>			<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>		
<u>Automated</u>			Avg 5.18			<u>Automated</u>			<u>Other</u>			040 5.09 -.31		
096	0.21	-.71	090	5.14	-.35	072	4.45 S	-13.28	105	5.17	.71	102	5.10	-.33
Meth: 030.99 PCT			Meth: 041.10 PCT			Meth: 041.50 PCT			Meth: 041.XX PCT			131 5.09 -.45		
<u>Insoluble Phosphate</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>			049 5.04 -.79		
<u>Other</u>			<u>Grav Quimociac</u>			<u>ICP</u>			230 4.72 S -9.26			177 5.07 -.82		
247	0.05	.71	185	5.36	2.37	007	5.17	1.07	Meth: 041.XX PCT			057 5.06 -.87		
Meth: 030.XX PCT			211	5.25	1.09	325	5.14	1.04	<u>Dir Available Phosph</u>			377 5.00 -1.14		
<u>Insoluble Phosphate</u>			055	5.23	.81	291	5.15	.91	030	6.35 s	13.77	037 5.00 -1.18		
096	0.21	1.63	105	5.16	.47	361	5.15	.88	351	5.55 s	4.33	009 5.01 -1.21		
220	0.12	.49	009	5.19	.37	360	5.12	.62	397	5.35 R	2.76	043 4.99 -1.26		
Avg	0.08		Avg	5.16		Avg	5.05		185	5.36	2.42	419 4.98 -1.34		
247	0.05	-.41	296	5.16	-.06	377	5.00	-.42	106	5.27 R	1.83	022 4.90 -2.11		
405	0.01	-.85	029	5.16	-.06	043	4.99	-.53	105	5.23 R	1.51	354 4.84 -2.71		
090	0.01	-.85	086	5.15	-.22	009	5.01	-.58	211	5.25	1.34	230 4.72 s -4.04		
Meth: 040.10 PCT			102	5.10	-.75	022	4.90	-1.23	055	5.23	1.10	393 4.56 s -5.52		
<u>InDir Available Phos</u>			131	5.09	-.79	354	4.84	-1.73	296	5.20	.93	072 4.45 s -6.58		
<u>Grav Quim</u>			040	5.09	-.82	393	4.56 s	-4.13	043	5.20	.87	057 4.16 s -14.29		
090	5.14	-.71	177	5.09	-.84	Meth: 041.60 PCT			018	5.20	.85	Meth: 048.20 PCT		
Meth: 040.40 PCT			049	5.04	-1.43	<u>Dir Available Phosph</u>			325	5.14	.83	<u>Water Soluble Phosph</u>		
<u>InDir Available Phos</u>			057	4.16 s	-17.25	<u>EDTA Extract</u>			009	5.19	.71	<u>Spectrometric</u>		
<u>Automated</u>			Meth: 041.20 PCT			351	5.55 S	3.29	007	5.17	.67	420 4.98 1.24		
096	4.95	-.71	<u>Dir Available Phosph</u>			397	5.35	2.01	029	5.18	.65	Avg 4.67		
Meth: 040.99 PCT			<u>Spectrometric</u>			106	5.27	1.22	105	5.17	.61	096 4.59 -.33		
<u>InDir Available Phos</u>			030	6.35 S	13.26	105	5.23	1.02	105	5.16	.60	247 4.44 -.92		
<u>Other</u>			296	5.20	.44	296	5.20	.44	055	5.17	.50	Meth: 048.50 PCT		
405	5.40	.88	043	5.20	.33	018	5.20	.28	233	5.16	.47	<u>Water Soluble Phosph</u>		
Avg	5.31		Avg	5.07		Avg	5.17		291	5.15	.46	<u>ICP</u>		
072	5.23	-.86	419	4.98	-.88	233	5.16	-.16	086	5.15	.44	393 4.91 .71		
Meth: 040.XX PCT			Meth: 041.40 PCT			073	5.15	-.23	296	5.16	.41	Meth: 048.XX PCT		
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>			028	5.14	-.25	029	5.16	.41	<u>Water Soluble Phosph</u>		
405	5.40	1.24	<u>Automated</u>			177	5.07	-1.02	361	5.15	.37	420 4.98 1.05		
072	5.23	.27	029	5.18	1.15	057	5.06	-1.10	073	5.15	.34	393 4.91 .76		
Meth: 040.40 PCT			Avg	5.12		037	5.00	-1.47	028	5.14	.27	Avg 4.73		
<u>InDir Available Phos</u>			027	5.10	-.43	Meth: 041.99 PCT			360	5.12	.06	096 4.59 -.59		
405	5.40	1.24	131	5.09	-1.00	<u>Dir Available Phosph</u>			Avg	5.11		247 4.44 -1.21		
072	5.23	.27	Meth: 041.50 PCT			<u>Automated</u>			027	5.10	-.14			
Meth: 040.99 PCT			<u>Dir Available Phosph</u>			<u>ICP</u>			131	5.09	-.26			
<u>InDir Available Phos</u>			<u>Grav Quimociac</u>			<u>EDTA Extract</u>			177	5.09	-.29			
<u>Other</u>			185 5.36 2.37			351 5.55 S 3.29								
096 0.21 -.71			211 5.25 1.09			397 5.35 2.01								
Meth: 030.XX PCT			055 5.23 .81			106 5.27 1.22								
<u>Insoluble Phosphate</u>			105 5.16 .47			105 5.23 1.02								
096 0.21 1.63			009 5.19 .37			296 5.20 .44								
220 0.12 .49			Avg 5.16			043 5.20 .33								
Avg 0.08			296 5.16 -.06			018 5.20 .28								
247 0.05 -.41			029 5.16 -.06			Avg 5.17								
405 0.01 -.85			086 5.15 -.22			233 5.16 -.16								
090 0.01 -.85			102 5.10 -.75			073 5.15 -.23								
Meth: 040.10 PCT			131 5.09 -.79			028 5.14 -.25								
<u>InDir Available Phos</u>			040 5.09 -.82			177 5.07 -1.02								
<u>Grav Quim</u>			177 5.09 -.84			057 5.06 -1.10								
090 5.14 -.71			049 5.04 -1.43			037 5.00 -1.47								
Meth: 040.40 PCT			057 4.16 s -17.25			Meth: 041.99 PCT								
<u>InDir Available Phos</u>			Meth: 041.20 PCT			<u>Dir Available Phosph</u>								
<u>Automated</u>			<u>Dir Available Phosph</u>			<u>Automated</u>								
096 4.95 -.71			<u>Spectrometric</u>			<u>ICP</u>								
Meth: 040.99 PCT			030 6.35 S 13.26			029 5.18 1.15								
<u>InDir Available Phos</u>			055 5.17 .86			Avg 5.12								
<u>Other</u>			Avg 5.07			027 5.10 -.43								
405 5.40 .88			419 4.98 -.88			131 5.09 -1.00								
Avg 5.31			Meth: 041.40 PCT			Meth: 041.50 PCT								
072 5.23 -.86			<u>Dir Available Phosph</u>			<u>Dir Available Phosph</u>								
Meth: 040.XX PCT			<u>Automated</u>			<u>Grav Quimociac</u>								
<u>InDir Available Phos</u>			029 5.18 1.15			185 5.36 2.37								
405 5.40 1.24			Avg 5.12			211 5.25 1.09								
072 5.23 .27			027 5.10 -.43			055 5.23 .81								
Meth: 040.99 PCT			131 5.09 -1.00			105 5.16 .47								
<u>InDir Available Phos</u>			Meth: 041.99 PCT			296 5.20 .44								
405 5.40 1.24			<u>Dir Available Phosph</u>			043 5.20 .33								
072 5.23 .27			<u>Automated</u>			018 5.20 .28								
Meth: 040.40 PCT			073 5.15 -.23			Avg 5.17								
<u>InDir Available Phos</u>			028 5.14 -.25			233 5.16 -.16								
<u>Other</u>			177 5.07 -1.02			073 5.15 .34								
096 0.21 -.71			057 5.06 -1.10			029 5.16 .41								
220 0.12 .49			037 5.00 -1.47			361 5.15 .37								
Avg 0.08			Meth: 041.50 PCT			073 5.15 .34								
247 0.05 -.41			<u>Dir Available Phosph</u>			028 5.14 .27								
405 0.01 -.85			<u>Grav Quimociac</u>			360 5.12 .06								
090 0.01 -.85			185 5.36 2.37			Avg 5.11								
Meth: 040.10 PCT			211 5.25 1.09			027 5.10 -.14								
<u>InDir Available Phos</u>			055 5.23 .81			131 5.09 -.26								
<u>Grav Quim</u>			105 5.16 .47			177 5.09 -.29								
090 5.14 -.71			009 5.19 .37			Meth: 041.99 PCT								
Meth: 040.40 PCT			Avg 5.16			<u>Dir Available Phosph</u>								
<u>InDir Available Phos</u>			296 5.16 -.06			<u>Automated</u>								
<u>Other</u>			029 5.18 1.15			<u>ICP</u>								
405 5.40 .88			Avg 5.12			007 5.17 1.07								
072 5.23 -.86			027 5.10 -.43			325 5.14 1.04								
Meth: 040.99 PCT			131 5.09 -1.00			291 5.15 .91								
<u>InDir Available Phos</u>			Meth: 041.99 PCT			361 5.15 .88								
<u>Other</u>			<u>Dir Available Phosph</u>			360 5.12 .62								
405 5.40 .88			<u>Grav Quimociac</u>			Avg 5.05								
Avg 5.31			185 5.36 2.37			377 5.00 -.42								
072 5.23 -.86			211 5.25 1.09			043 4.99 -.53								
Meth: 040.XX PCT			055 5.23 .81			009 5.01 -.58								
<u>InDir Available Phos</u>			105 5.16 .47			022 4.90 -1.23								
405 5.40 1.24			009 5.19 .37			354 4.84 -1.73								
072 5.23 .27			Avg 5.16			393 4.56 s -4.13								
Meth: 040.40 PCT			296 5.16 -.06			Meth: 041.60 PCT								
<u>InDir Available Phos</u>			029 5.18 1.15			<u>Dir Available Phosph</u>								
<u>Other</u>			Avg 5.12			<u>EDTA Extract</u>								
405 5.40 .88			027 5.10 -.43			351 5.55 S 3.29								
072 5.23 -.86			131 5.09 -1.00			397 5.35 2.01								
Meth: 040.99 PCT			Meth: 041.99 PCT											
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>											
<u>Other</u>			<u>Automated</u>											
405 5.40 .88			029 5.18 1.15											
Avg 5.31			Avg 5.12											
072 5.23 -.86			027 5.10 -.43											
Meth: 040.XX PCT			131 5.09 -1.00											
<u>InDir Available Phos</u>			Meth: 041.50 PCT											
405 5.40 1.24			<u>Dir Available Phosph</u>											
072 5.23 .27			<u>Grav Quimociac</u>											
Meth: 040.40 PCT			185 5.36 2.37											
<u>InDir Available Phos</u>			211 5.25 1.09											
<u>Other</u>			055 5.23 .81											
405 5.40 .88			105 5.16 .47											
Avg 5.31			009 5.19 .37											
072 5.23 -.86			Avg 5.16											
Meth: 040.99 PCT			296 5.16 -.06											
<u>InDir Available Phos</u>			029 5.18 1.15											
<u>Other</u>			Avg 5.12											
405 5.40 .88			027 5.10 -.43											
072 5.23 -.86			131 5.09 -1.00											
Meth: 040.XX PCT			Meth: 041.99 PCT											
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>											
405 5.40 1.24			<u>Automated</u>											
072 5.23 .27			<u>ICP</u>											
Meth: 040.40 PCT			007 5.17 1.07											
<u>InDir Available Phos</u>			325 5.14 1.04											
<u>Other</u>			291 5.15 .91											
405 5.40 .88			361 5.15 .88											
Avg 5.31			360 5.12 .62											
072 5.23 -.86			Avg 5.05											
Meth: 040.99 PCT			377 5.00 -.42											
<u>InDir Available Phos</u>			043 4.99 -.53											
<u>Other</u>			009 5.01 -.58											
405 5.40 .88			022 4.90 -1.23											
Avg 5.31			354 4.84 -1.73											
072 5.23 -.86			393 4.56 s -4.13											
Meth: 040.XX PCT			Meth: 041.60 PCT											
<u>InDir Available Phos</u>			<u>Dir Available Phosph</u>											
405 5.40 1.24			<u>EDTA Extract</u>											
072 5.23 .27			351 5.55 S 3.29											
Meth: 040.40 PCT			397 5.35 2.01											
<u>InDir Available Phos</u>			106 5.27 1.22											
<u>Other</u>			105 5.23 1.02											
405 5.40 .88			296 5.20 .44											
Avg 5.31			043 5.20 .33											
072 5.23 -.86														

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 050.00 PCT			Meth: 050.50 PCT			Meth: 050.60 PCT			Meth: 050.99 PCT			Meth: 050.XX PCT		
Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash		
<u>STPB Oxalate</u>			<u>ICP (Oxalate)</u>			<u>Flame (Oxalate)</u>			<u>Other</u>					
022	13.10	2.36	324	12.95	1.26	030	12.13 R	-2.69	455	11.88	-1.39	035	12.50	.35
114	12.96	1.82	420	12.96	1.23				405	11.88	-1.39	330	12.50	.35
043	12.50 R	.60	354	12.77	.83	Meth: 050.61 PCT			260	11.84	-1.66	037	12.53	.30
211	12.62	.50	106	12.56	.37	Soluble Potash			368	12.08 R	-1.70	416	12.52 X	.27
233	12.58	.42	419	12.40	.02	<u>Flame (Citrate)</u>			360	12.20 R	-1.87	220	12.48	.23
049	12.56	.28	Avg	12.39		456	13.17	1.57				325	12.50	.21
416	12.52 X	.12	292	12.30	-.22	028	13.02	1.13	Meth: 050.XX PCT			296	12.44	.18
Avg	12.49		451	12.03	-.80	018	12.85	.50	<u>Soluble Potash</u>			055	12.47	.15
055	12.47	-.14	444	11.82	-1.38	Avg	12.71		443	15.25 s	7.77	072	12.44	.05
090	12.45	-.22	390	11.75	-1.41	029	12.67	-.62	456	13.17	2.05	Avg	12.42	
220	12.48	-.23	426	11.75 R	-1.59	037	12.53	-.63	444	13.09	1.86	057	12.42	-.06
057	12.42	-.28	Meth: 050.51 PCT			035	12.50	-.81	022	13.10	1.86	419	12.40	-.06
296	12.44	-.33	Soluble Potash			057	12.56	-.94	055	13.09	1.82	029	12.40	-.14
029	12.40	-.40	<u>ICP (Citrate)</u>			105	12.42	-1.08	428	13.04	1.71	105	12.37	-.15
231	12.30	-.75	432	12.80	1.88	Meth: 050.99 PCT			028	13.02	1.67	131	12.37	-.15
102	12.32	-.80	007	12.61 R	1.70	Soluble Potash			324	12.95	1.51	105	12.37	-.15
247	12.18	-1.20	291	12.70	1.21	<u>Other</u>			114	12.96	1.48	234	12.42	-.16
072	12.05	-1.73	043	12.37	.23	042	12.35 R	2.47	420	12.96	1.46	009	12.36	-.19
009	11.80 s	-4.08	009	12.36	.13	027	12.82	1.70	432	12.80 R	1.41	043	12.37	-.20
Meth: 050.10 PCT			361	12.34	.10	422	12.74	1.46	007	12.61 R	1.35	073	12.42	-.25
Soluble Potash			Avg	12.32		402	12.58	.91	018	12.85	1.18	450	12.38	-.25
<u>STPB Citrate</u>			377	12.28	-.46	177	12.55	.89	117	12.84	1.15	361	12.34	-.25
444	13.09	1.01	022	12.07	-.85	307	12.39	.89	027	12.82	1.08	105	12.42	-.29
Avg	12.96		393	12.04	-.87	330	12.50	.74	354	12.77	.96	231	12.30	-.35
117	12.84	-.69	096	11.90	-1.31	325	12.50	.66	422	12.74	.88	292	12.30	-.36
Meth: 050.30 PCT			Meth: 050.60 PCT			072	12.44	.45	029	12.67	.82	131	12.36	-.37
Soluble Potash			Soluble Potash			234	12.42	.45	291	12.70	.76	102	12.32	-.43
<u>AA (Oxalate)</u>			<u>Flame (Oxalate)</u>			131	12.36	.42	057	12.56	.72	377	12.28	-.55
428	13.04	1.53	443	15.25 S	7.95	450	12.38	.38	406	12.68	.69	255	12.21	-.60
040	12.66	.78	055	13.09	1.62	105	12.37	.25	040	12.66	.65	247	12.18	-.67
073	12.42	.36	406	12.68	.42	Avg	12.30		211	12.62	.54	041	12.17	-.70
Avg	12.26		Avg	12.53		255	12.21	-.33	043	12.50	.47	307	12.39	-.71
043	11.91	-.68	131	12.37	-.47	041	12.17	-.44	233	12.58	.46	460	12.15	-.76
351	11.88	-.74	105	12.37	-.47	232	12.05	-.83	177	12.55	.44	022	12.07	-1.02
185	11.65	-1.19	460	12.15	-1.12	397	11.95	-1.16	402	12.58	.42	232	12.05	-1.04
						300	11.97	-1.16	049	12.56	.38	393	12.04	-1.05
									106	12.56	.38	072	12.05	-1.05

* 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: 050.XX PCT			Meth: 060.XX PCT			Meth: 101.XX PCT			Meth: 121.30 PCT			Meth: 144.01 PCT		
<u>Soluble Potash</u>			<u>Free Water</u>			<u>Acid Soluble Calcium</u>			<u>Acid Soluble Magnesi</u>			<u>Sulfur</u>		
451	12.03	-1.08	443	1.61 R	4.51	422	2.85 s	9.14	ICP			<u>Gravimetric</u>		
300	11.97	-1.30	096	1.17	1.91	324	2.09	2.62	292	0.16	-1.19	029	14.25	.22
397	11.95	-1.31	247	0.89	.35	057	1.88	.86	393	0.14	-2.20	371	14.24	.15
043	11.91	-1.41	Avg	0.83		247	1.85	.57				Avg	14.20	
096	11.90	-1.44	456	0.80	-.17	035	1.83	.43	Meth: 121.99 PCT			105	14.18	-.07
351	11.88	-1.50	405	0.76	-.46	131	1.83	.41	Acid Soluble Magnesi			028	14.15	-.15
405	11.88	-1.50	007	0.73	-.57	390	1.82	.40	<u>Other</u>			444	14.15	-.20
455	11.88	-1.51	416	0.63 X	-1.09	096	1.82	.27	422	0.39 S	.00	043	14.19	-.33
368	12.08 R	-1.59				354	1.81	.25				397	14.05	-.51
360	12.20 R	-1.65	Meth: 101.30 PCT			106	1.80	.10	Meth: 121.XX PCT			040	14.07	-.55
260	11.84	-1.70	<u>Acid Soluble Calcium</u>			Avg	1.78		<u>Acid Soluble Magnesi</u>			073	14.00	-.66
444	11.82	-1.81	<u>ICP</u>			009	1.76	-.21	422	0.39 s	10.42	114	13.94	-.90
390	11.75	-1.85	324	2.09	2.62	393	1.74	-.44	324	0.23	2.19	102	13.83	-1.27
042	12.35 R	-2.07	057	1.88	.86	102	1.73	-.51	390	0.21	1.15	086	13.61	-2.02
426	11.75 R	-2.08	247	1.85	.57	307	1.72	-.56	057	0.20	.94	117	13.19 s	-3.70
185	11.65	-2.13	035	1.83	.43	232	1.66	-1.07	131	0.19	.49			
030	12.13 R	-2.42	131	1.83	.41	086	1.66	-1.12	354	0.19	.47	Meth: 144.02 PCT		
009	11.80 s	-2.78	390	1.82	.40	292	1.56	-1.92	247	0.19	.32	Sulfur		
			096	1.82	.27	049	0.02 s	-15.12	009	0.19	.26	<u>Gravimetric</u>		
			354	1.81	.25				035	0.19	.09	292	13.71	-.71
Meth: 060.00 PCT			106	1.80	.10	Meth: 121.30 PCT			Avg	0.18		Meth: 144.99 PCT		
Free Water			Avg	1.78		<u>Acid Soluble Magnesi</u>			086	0.18	-.09	Sulfur		
<u>Vacuum Oven</u>			009	1.76	-.21	<u>ICP</u>			102	0.18	-.18	<u>Other</u>		
096	1.17	1.91	393	1.74	-.44	324	0.23	2.19	106	0.18	-.50	049	14.83	1.60
247	0.89	.35	102	1.73	-.51	390	0.21	1.15	096	0.18	-.54	354	14.81	1.56
Avg	0.83		307	1.72	-.56	057	0.20	.94	232	0.16	-1.01	291	14.67	1.30
456	0.80	-.17	232	1.66	-1.07	131	0.19	.49	292	0.16	-1.19	360	14.24 R	.94
405	0.76	-.46	086	1.66	-1.12	354	0.19	.47	393	0.14	-2.20	232	14.42	.89
007	0.73	-.57	292	1.56	-1.92	247	0.19	.32				351	14.40	.84
416	0.63 X	-1.09	049	0.02 s	-15.12	009	0.19	.26	Meth: 144.01 PCT			220	14.32	.72
						035	0.19	.09	Sulfur			330	14.30	.68
Meth: 060.99 PCT			Meth: 101.99 PCT			Avg	0.18		<u>Gravimetric</u>			307	14.29	.66
Free Water			<u>Acid Soluble Calcium</u>			307	0.18	-.08	055	14.88	2.27	027	14.26	.60
<u>Other</u>			<u>Other</u>			086	0.18	-.09	324	14.65	1.51	037	14.14	.52
443	1.61	.71	422	2.85 S	.00	102	0.18	-.18	296	14.45	.83	247	14.03	.27
						106	0.18	-.50	233	14.37	.58	419	13.90	.17
						096	0.18	-.54	057	14.35	.52	Avg	13.90	
						232	0.16	-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: 144.99 PCT			Meth: 144.XX PCT			Meth: 151.30 PPM			Meth: 165.00 PCT			Meth: 165.XX PCT		
<u>Sulfur</u>			<u>Sulfur</u>			<u>Arsenic</u>			<u>Acid Soluble Boron</u>			<u>Acid Soluble Boron</u>		
<u>Other</u>			<u>ICP</u>			<u>Spectrometric</u>			<u>Spectrometric</u>			<u>Other</u>		
450	13.75	-.28	444	14.15	.26	368	324.00	-.71	393	0.039	-1.34	106	0.050	.32
368	13.66	-.44	040	14.07	.24	009	305.50	-1.30				433	0.050	.30
230	13.60	-.50	247	14.03	.18	393	6.50 s	-15.77				360	0.048	.10
422	13.44	-.79	397	14.05	.12							029	0.048	.07
090	13.43	-.81	Avg	14.02								291	0.048	.07
255	13.37	-.90	073	14.00	-.11	Meth: 151.99 PPM			Meth: 165.99 PCT			Avg		
390	13.80 R	-1.03	114	13.94	-.24	<u>Arsenic</u>			<u>Acid Soluble Boron</u>			037		
393	13.16	-1.26	419	13.90	-.31	<u>Other</u>			<u>Other</u>			232		
177	13.13	-1.31	102	13.83	-.44	231	355.96	1.12	117	0.068	1.95	057	0.044	-.32
009	13.07	-1.41	450	13.75	-.55	Avg	350.23		354	0.061 R	1.42	090	0.044	-.36
117	12.83	-1.82	292	13.71	-.62	220	344.50	-.49	368	0.056 R	1.25	055	0.044	-.36
131	12.10 S	-3.07	368	13.66	-.74				042	0.055	.83	419	0.042	-.53
035	11.30 s	-4.40	230	13.60	-.84	Meth: 151.XX PPM			049	0.054	.52	037	0.047	-.55
			086	13.61	-.89	<u>Arsenic</u>			043	0.053	.42	232	0.042	-.61
			422	13.44	-1.17	106	373.00	1.91	106	0.050	.17	428	0.041	-.66
			090	13.43	-1.19	231	355.96	1.23	433	0.050	.16	230	0.040	-.82
Meth: 144.XX PCT			390	13.80 R	-1.27	037	337.54	1.00	Avg	0.048		393	0.039	-.95
<u>Sulfur</u>			255	13.37	-1.30	450	344.50	.73	360	0.048	-.03	009	0.037	-1.11
055	14.88	1.72	393	13.16	-1.72	220	344.50	.52	291	0.048	-.09	114	0.030	-1.88
049	14.83	1.64	177	13.13	-1.78	Avg	333.85		324	0.046	-.24			
354	14.81	1.59	009	13.07	-1.90	233	325.50	-.41	040	0.045	-.33	Meth: 171.99 PCT		
291	14.67	1.29	117	13.19 R	-1.92	102	324.75	-.44	090	0.044	-.43	<u>Water Soluble Boron</u>		
324	14.65	1.26	117	12.83	-2.38	247	333.00	-.54	419	0.042	-.59	<u>Other</u>		
360	14.24 R	.98	131	12.10 s	-3.86	230	319.50	-.71	232	0.042	-.67	027	0.053	.71
296	14.45	.85	035	11.30 s	-5.41	368	324.00	-.79	230	0.040	-.86			
232	14.42	.81				232	318.50	-.81	009	0.037	-1.12	Meth: 181.00 PPM		
351	14.40	.75	Meth: 151.30 PPM			009	305.50	-1.45	114	0.030	-1.81	<u>Cadmium</u>		
233	14.37	.70	<u>Arsenic</u>			393	6.50 s	-15.90				<u>Atomic Absorption</u>		
057	14.35	.65	<u>ICP</u>						Meth: 165.XX PCT			220	339.50	.71
220	14.32	.60	106	373.00	2.07	Meth: 165.00 PCT			<u>Acid Soluble Boron</u>					
330	14.30	.56	037	337.54	1.05	<u>Acid Soluble Boron</u>			<u>Acid Soluble Boron</u>			Meth: 181.30 PPM		
307	14.29	.53	450	344.50	.85	<u>Spectrometric</u>			<u>Spectrometric</u>			<u>Cadmium</u>		
027	14.26	.47	247	333.00	.55	037	0.047	1.49	422	0.071	2.63	<u>ICP</u>		
029	14.25	.46	Avg	330.58		029	0.048	.95	117	0.068	2.29	086	375.05	1.68
037	14.14	.45	233	325.50	-.26	055	0.044	.26	354	0.061 R	1.69	106	371.00	1.42
371	14.24	.44	102	324.75	-.28	057	0.044	.23	368	0.056 R	1.47	009	360.50	.89
043	14.19	.39	230	319.50	-.55	Avg	0.044		042	0.055	1.03	037	351.44	.61
105	14.18	.31	232	318.50	-.67	428	0.041	-.67	049	0.054	.71	419	350.50	.36
028	14.15	.26							043	0.053	.60			

* 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: 181.30 PPM			Meth: 190.99 PCT			Meth: 191.XX PPM			Meth: 202.30 PPM			Meth: 221.00 PCT		
Cadmium			Water Soluble Chlori			Chromium			Acid Soluble Cobalt			Acid Soluble Copper		
<u>ICP</u>			<u>Other</u>			<u>ICP</u>			<u>ICP</u>			<u>Atomic Absorption</u>		
368	348.50	.26	422	9.90	.87	450	127.50	1.27	106	905.50	-.80	177	0.0475 S	3.67
Avg	343.55		Avg	4.95		220	123.00	.94	232	845.00	-1.88	460	0.0420	2.17
247	343.00	-.06	009	0.01	-.87	419	116.50	.61	009	0.55 s	-17.61	055	0.0350 R	1.42
035	341.50	-.25	Meth: 191.00 PPM			096	117.00	.57	Meth: 202.99 PPM			351	0.0376	.86
233	338.05	-.28	Chromium			037	115.77	.56	Acid Soluble Cobalt			028	0.0363	.53
096	334.50	-.46	<u>Atomic Absorption</u>			009	117.50	.53	<u>Other</u>			Avg	0.0346	
230	332.50	-.59	220	123.00	.71	368	113.00	.42	231	974.63	.94	029	0.0330	-.45
102	337.66	-.70	Meth: 191.30 PPM			Avg	110.33		Avg	945.81		073	0.0330	-.45
450	328.00	-.80	Chromium			102	110.19	-.05	247	917.00	-.78	043	0.0343	-.50
232	297.50	-2.34	<u>ICP</u>			035	105.50	-.36	393	2.00 S	-25.00	040	0.0322	-.69
393	1.15 s	-17.38	450	127.50	1.42	106	108.50	-.50	Meth: 202.XX PPM			220	0.0320	-.78
Meth: 181.99 PPM			247	121.00	.88	232	102.30	-.64	Acid Soluble Cobalt			397	0.0310	-1.01
Cadmium			419	116.50	.66	230	85.45	-1.84	027	1155.5 s	4.81	Meth: 221.30 PCT		
<u>Other</u>			037	115.77	.60	027	87.41 R	-1.98	220	1125.0 R	3.74	Acid Soluble Copper		
231	373.30	.71	096	117.00	.60	231	81.45	-2.16	035	1045.0	1.97	<u>ICP</u>		
Meth: 181.XX PPM			009	117.50	.52	393	20.50 s	-6.64	450	991.00	.91	330	0.1000 s	20.13
<u>Cadmium</u>			368	113.00	.46	049	1.20 s	-8.07	368	976.00	.71	450	0.0415 R	2.92
086	375.05	1.58	Meth: 202.00 PPM			Meth: 202.30 PPM			231	974.63	.70	368	0.0384 R	2.50
231	373.30	1.41	Acid Soluble Cobalt			Acid Soluble Cobalt			096	973.50	.54	420	0.0390	1.99
106	371.00	1.31	Avg	111.68		<u>AA</u>			057	954.50	.17	102	0.0350 R	1.69
009	360.50	.80	102	110.19	-.15	220	1125.0	.71	Avg	945.95		247	0.0356	1.11
037	351.44	.55	035	105.50	-.56	Meth: 202.30 PPM			230	944.00	-.12	086	0.0351	.85
419	350.50	.28	106	108.50	-.65	Acid Soluble Cobalt			247	917.00	-.58	117	0.0329	.69
368	348.50	.18	232	102.30	-.89	<u>ICP</u>			247	917.00	-.58	354	0.0345	.67
Avg	345.16		230	85.45	-2.35	027	1155.5 s	4.56	086	911.25	-.74	402	0.0345	.67
247	343.00	-.12	027	87.41 R	-2.51	035	1045.0	1.87	102	942.97	-.77	444	0.0330	.63
035	341.50	-.29	393	20.50 s	-8.17	450	991.00	.86	106	905.50	-.84	360	0.0339	.48
233	338.05	-.36	049	1.20 s	-9.90	368	976.00	.67	232	845.00	-1.98	433	0.0338	.46
096	334.50	-.53	Meth: 191.99 PPM			096	973.50	.51	393	2.00 s	-18.54	009	0.0335	.38
220	339.50	-.64	Chromium			057	954.50	.16	009	0.55 s	-18.57	090	0.0330	.36
230	332.50	-.65	<u>Other</u>			Avg	945.97		Meth: 221.00 PCT			057	0.0333	.32
102	337.66	-.72	231	81.45	.71	230	944.00	-.12	Acid Soluble Copper			324	0.0330	.21
450	328.00	-.87	Meth: 191.99 PPM			247	917.00	-.55	<u>Atomic Absorption</u>			Avg	0.0323	
232	297.50	-2.38	Chromium			086	911.25	-.70	034	0.1105 s	21.45	131	0.0318	-.17
393	1.15 s	-17.15	<u>Other</u>			102	942.97	-.73	Meth: 221.00 PCT			307	0.0317	-.20

* 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: 241.00 PCT			Meth: 241.30 PCT			Meth: 241.XX PCT		
Acid Soluble Copper			Acid Soluble Copper			Acid Soluble Iron			Acid Soluble Iron			Acid Soluble Iron		
<u>ICP</u>			<u>Atomic Absorption</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
291	0.0315	-.28	247	0.0356	.75	460	3.19	1.34	232	1.73	-.30	028	2.94	.74
233	0.0322	-.47	042	0.0360	.69	055	3.01	.78	368	1.71	-.31	043	2.90	.70
035	0.0308	-.48	043	0.0343	.51	351	3.01	.71	102	1.70	-.33	291	2.90	.70
022	0.0305	-.56	086	0.0351	.49	034	2.96	.55	255	1.69	-.34	029	2.88	.68
106	0.0300	-.69	422	0.0335	.39	028	2.94	.51	114	1.44 R	-.61	405	2.84	.63
292	0.0300	-.69	354	0.0345	.32	029	2.88	.37	420	1.40	-.62	177	2.82	.61
426	0.0305	-.70	402	0.0345	.32	043	2.90	.36	230	1.17	-.85	027	2.81	.60
230	0.0250	-2.18	360	0.0339	.16	177	2.82	.06	419	0.96	-1.05	057	2.73	.53
027	0.0230	-2.77	433	0.0338	.15	Avg	2.81		231	0.89	-1.12	422	2.73	.51
432	0.0100 s	-6.64	009	0.0335	.13	296	2.40	-1.44	292	0.64	-1.37	009	2.65	.43
393	0.0026 s	-8.84	Avg	0.0334		040	2.38	-1.50	402	0.46	-1.54	433	2.52	.29
419	0.0003 s	-9.52	029	0.0330	-.10	073	2.38	-1.56	444	0.45	-1.55	037	2.42	.21
405	0.0002 s	-9.56	073	0.0330	-.10	073	2.38	-1.56	426	0.17	-1.83	073	2.38	.20
			324	0.0330	-.10	220	1.66 s	-4.04	049	0.01	-1.98	296	2.40	.16
			057	0.0333	-.11							096	2.40	.16
			090	0.0330	-.28							040	2.38	.15
Meth: 221.99 PCT			Meth: 241.30 PCT			Meth: 241.99 PCT			Meth: 241.99 PCT			Meth: 241.99 PCT		
Acid Soluble Copper			Acid Soluble Iron			Acid Soluble Iron			Acid Soluble Iron			Acid Soluble Iron		
<u>Other</u>			<u>ICP</u>			<u>Other</u>			<u>Other</u>			<u>Other</u>		
114	0.0365	1.14	131	0.0318	-.43	117	3.68	1.61	234	2.95	.88	324	2.19	-.07
247	0.0378	.60	220	0.0320	-.45	432	3.22	1.16	Avg	2.84		247	2.21	-.07
Avg	0.0359		307	0.0317	-.45	330	3.20	1.15	422	2.73	-.85	307	2.03	-.25
422	0.0335	-.92	291	0.0315	-.51	354	3.18 R	1.14	102	1.70	-.59	232	1.73	-.56
			233	0.0322	-.51	360	3.19	1.13	422	2.73	-.85	368	1.71	-.58
			444	0.0330	-.53	106	3.09	1.03				102	1.70	-.59
			117	0.0329	-.61	233	3.02	.97				255	1.69	-.60
			397	0.0310	-.62	042	3.00	.95				220	1.66	-.64
			035	0.0308	-.70	291	2.90	.85				114	1.44 R	-.89
			022	0.0305	-.77	405	2.84	.79				420	1.40	-.91
			426	0.0305	-.85	027	2.81	.76				230	1.17	-1.16
			292	0.0300	-.89	057	2.73	.69				419	0.96	-1.39
			106	0.0300	-.89	009	2.65	.60				231	0.89	-1.46
			230	0.0250	-2.20	433	2.52	.47				292	0.64	-1.73
			027	0.0230	-2.72	037	2.42	.39				402	0.46	-1.92
			432	0.0100 s	-6.12	096	2.40	.35				444	0.45	-1.93
			393	0.0026 s	-8.06	247	2.21	.18				426	0.17	-2.24
			419	0.0003 s	-8.67	324	2.19	.15				049	0.01	-2.40
			405	0.0002 s	-8.70	Avg	2.03							
						307	2.03	-.04						

* 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: 251.00 PPM			Meth: 251.XX PPM			Meth: 261.30 PCT			Meth: 261.99 PCT			Meth: 261.XX PCT		
<u>Lead</u>			<u>Lead</u>			<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>			<u>Acid Soluble Manganese</u>		
220	4550.0	.00	450	4300.5	.28	117	0.165	.90	037	0.167	-.21	102	0.155	-.43
<u>Atomic Absorption</u>			232	4064.5	.14	360	0.162	.66	422	0.156	-1.18	307	0.153	-.49
027	5263.5	.85	Avg	3815.4		433	0.161	.60	393	0.066 S	-10.37	086	0.154	-.51
035	5256.5	.85	009	1280.5 X	-1.45	233	0.160	.56	Meth: 261.XX PCT			296	0.152	-.53
102	4858.6	.63	393	75.47	-2.14	450	0.160	.53	<u>Acid Soluble Manganese</u>			177	0.151	-.57
086	4754.6	.58	049	49.36	-2.15	390	0.157	.49	460	0.205 s	3.42	292	0.150	-.59
233	4663.5	.53	Meth: 261.00 PCT			086	0.154	.43	330	0.200	3.04	040	0.158	-.62
419	4562.5	.47	<u>Acid Soluble Manganese</u>			102	0.155	.42	354	0.175 R	1.46	230	0.147	-.82
106	4452.0	.41	AA			009	0.157	.30	255	0.177	1.37	035	0.147	-.85
230	4370.0	.37	460	0.205 s	4.41	419	0.156	.21	028	0.175	1.24	022	0.145	-1.04
450	4300.5	.33	028	0.175	1.41	247	0.154	.04	034	0.175	1.22	420	0.143	-1.14
232	4064.5	.20	034	0.175	1.38	Avg	0.153		034	0.175	1.22	402	0.141	-1.24
Avg	3688.5		397	0.165	.63	292	0.150	-.27	368	0.174	1.19	291	0.141	-1.25
009	1280.5 X	-1.30	073	0.163	.53	307	0.153	-.31	042	0.170	1.13	232	0.131	-2.02
393	75.47	-1.95	351	0.162	.20	035	0.147	-.56	114	0.160	.74	444	0.120	-2.77
049	49.36	-1.96	Avg	0.161		022	0.145	-.79	055	0.160	.74	027	0.107 s	-3.71
Meth: 251.99 PPM			043	0.153	-.89	420	0.143	-.87	090	0.168	.73	426	0.071 s	-6.36
<u>Lead</u>			040	0.158	-.93	402	0.141	-.99	029	0.168	.72	393	0.066 s	-6.67
<u>Other</u>			055	0.160	-1.01	291	0.141	-.99	037	0.167	.66	Meth: 281.00 PPM		
231	4729.3	.71	296	0.152	-1.01	232	0.131	-1.86	397	0.165	.62	<u>Mercury</u>		
Meth: 251.XX PPM			177	0.151	-1.09	444	0.120	-2.66	106	0.165	.62	<u>Atomic Absorption</u>		
<u>Lead</u>			Meth: 261.11 PCT			027	0.107 s	-3.70	057	0.165	.57	230	620.45	-.71
027	5263.5	.83	<u>Acid Soluble Manganese</u>			426	0.071 s	-6.62	073	0.163	.51	Meth: 281.30 PPM		
035	5256.5	.82	AA			Meth: 261.31 PCT			117	0.165	.47	<u>Mercury</u>		
102	4858.6	.60	029	0.168	.71	<u>Acid Soluble Manganese</u>			324	0.162	.35	<u>ICP</u>		
086	4754.6	.54	Meth: 261.30 PCT			<u>ICP</u>			351	0.162	.32	450	1262.5	1.18
231	4729.3	.52	<u>Acid Soluble Manganese</u>			324	0.162	.88	360	0.162	.27	Avg	596.77	
233	4663.5	.49	330	0.200 s	3.72	Avg	0.155		433	0.161	.25	247	523.00	-.13
419	4562.5	.43	354	0.175 R	1.94	230	0.147	-.85	233	0.160	.18	393	4.80	-1.04
220	4550.0	.42	368	0.174	1.68	Meth: 261.99 PCT			450	0.160	.13	Meth: 281.99 PPM		
106	4452.0	.36	090	0.168	1.18	<u>Acid Soluble Manganese</u>			Avg	0.158		<u>Mercury</u>		
230	4370.0	.32	106	0.165	1.01	<u>Other</u>			009	0.157	-.11	<u>Other</u>		
			057	0.165	.99	042	0.170	1.06	419	0.156	-.16	220	690.00	.78
			114	0.160 R	.96	255	0.177	.97	422	0.156	-.17	Avg	660.06	
						Avg	0.168		247	0.154	-.34	231	630.12	-.94
									390	0.157	-.37			
									043	0.153	-.42			

* 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: 281.XX PPM			Meth: 289.XX PPM			Meth: 291.30 PPM			Meth: 301.30 PPM			Meth: 311.99 PCT		
<u>Mercury</u>			<u>Molybdenum</u>			<u>Nickel</u>			<u>Selenium</u>			<u>Sodium</u>		
450	1262.5 R	2.93	114	49.00 s	11.69	ICP			ICP			Other		
220	690.00	.74	433	23.21	2.05	086	1104.0	-.40	232	125.10	1.04	307	0.39	.15
231	630.12	.52	450	20.50	1.07	230	1095.0	-.51	106	124.50	.98	Avg	0.38	
230	620.45	.48	291	20.00	.87	096	1084.5	-.65	368	122.00	.90	102	0.35	-.38
247	523.00	.12	037	19.48	.72	102	1133.6	-.70	Avg	116.46		232	0.34	-.41
Avg	493.67		086	19.08	.71	106	1082.0	-.71	009	115.00	-.21	057	0.33	-.50
393	4.80	-1.85	368	19.30	.66	232	957.85	-2.19	037	115.15	-.39	035	0.33	-.51
			102	18.52	.33	049	12.29 s	-13.82	450	111.50	-.67	009	0.32	-.66
			035	18.25	.26	393	1.32 s	-13.95	230	102.00	-1.74			
			232	18.20	.25				393	5.71 s	-13.30			
			057	18.09	.22	Meth: 291.99 PPM			Meth: 301.99 PPM			Meth: 321.00 PCT		
			Avg	17.65		<u>Nickel</u>			<u>Selenium</u>			<u>Acid Soluble Zinc</u>		
			106	17.50	-.19	<u>Other</u>			<u>Other</u>			<u>Atomic Absorption</u>		
			247	17.00	-.24	231	1093.1	.71	231	136.87	1.18	460	0.355 s	34.83
			220	17.00	-.24				Avg	114.96		040	0.179 s	4.93
			009	15.65	-.74	Meth: 291.XX PPM			296	107.50	-.56	028	0.165	1.33
			230	14.90	-1.02	<u>Nickel</u>			220	100.50	-.89	177	0.163	.88
			397	15.00	-1.04	027	1384.0 R	3.36				351	0.162	.81
			255	14.66	-1.17	450	1266.0	1.62				296	0.162	.81
			049	11.31	-2.34	035	1260.0	1.56	Meth: 301.XX PPM			055	0.160	.44
						220	1210.0	.92	<u>Selenium</u>			Avg	0.158	
						368	1141.0	.52	231	136.87	1.79	371	0.154	-.71
						009	1168.5	.46	232	125.10	.76	043	0.153	-.81
						<u>Atomic Absorption</u>			106	124.50	.72	029	0.153	-.96
			220	1210.0	.71	419	1174.5	.46	368	122.00	.65	397	0.155	-.99
						037	1148.2	.39	Avg	116.01		073	0.149	-1.54
						247	1150.5	.16	009	115.00	-.12	220	0.152 R	-1.56
						Avg	1137.9		037	115.15	-.26			
						086	1104.0	-.44	450	111.50	-.43	Meth: 321.30 PCT		
						230	1095.0	-.54	296	107.50	-.95	<u>Acid Soluble Zinc</u>		
						096	1084.5	-.69	230	102.00	-1.17	<u>ICP</u>		
						231	1093.1	-.71	220	100.50	-1.48	432	0.220 s	8.15
						102	1133.6	-.72	393	5.71 s	-9.25	042	0.200 s	3.31
						106	1082.0	-.75				330	0.200	3.18
						232	957.85	-2.27	Meth: 311.99 PCT			368	0.183 R	2.39
						049	12.29 s	-14.19	<u>Sodium</u>			354	0.183	1.61
						393	1.32 s	-14.33	<u>Other</u>			106	0.180	1.35
									422	0.56	2.29	035	0.176	1.00
												086	0.170	.88

* 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: 321.30 PCT			Meth: 321.XX PCT			Meth: 321.XX PCT								
Acid Soluble Zinc			Acid Soluble Zinc			Acid Soluble Zinc								
<u>ICP</u>						<u>ICP</u>								
090	0.175	.86	460	0.355 s	21.68	390	0.159	-.68						
057	0.169	.48	432	0.220 s	10.20	255	0.156	-.73						
114	0.170	.43	042	0.200 s	4.37	247	0.154	-.95						
037	0.167	.34	330	0.200 A	4.22	371	0.154	-1.01						
360	0.168	.31	368	0.183 R	3.15	397	0.155	-1.01						
009	0.167	.24	040	0.179 R	2.76	043	0.153	-1.07						
433	0.167	.24	354	0.183	2.29	029	0.153	-1.12						
402	0.166	.19	106	0.180	1.97	220	0.152	-1.44						
324	0.167	.12	035	0.176	1.54	073	0.149	-1.53						
Avg	0.165		422	0.176	1.47	232	0.148	-1.67						
117	0.165	-.09	090	0.175	1.36	426	0.148	-1.76						
131	0.165	-.10	086	0.170	1.27	291	0.146	-1.91						
233	0.164	-.20	057	0.169	.86	444	0.143 R	-2.64						
307	0.163	-.34	114	0.170	.85	027	0.111 s	-5.85						
022	0.162	-.35	360	0.168	.63	405	0.006 s	-17.62						
420	0.162	-.35	450	0.165	.63	Meth: 325.30 PCT								
450	0.165	-.46	102	0.165	.63	Water Soluble Zinc								
102	0.165	-.46	037	0.167	.60	<u>ICP</u>								
292	0.160	-.49	009	0.167	.56	393	0.136	.71						
230	0.160	-.49	433	0.167	.56									
419	0.161	-.50	324	0.167	.46									
390	0.159	-.75	402	0.166	.46									
255	0.156	-.85	307	0.163	.37									
247	0.154	-1.04	028	0.165	.31									
232	0.148	-1.61	131	0.165	.31									
426	0.148	-1.68	233	0.164	.27									
291	0.146	-1.82	117	0.165	.23									
444	0.143 R	-2.37	177	0.163	.06									
027	0.111 s	-5.03	Avg	0.162										
405	0.006 s	-14.61	351	0.162	-.06									
			022	0.162	-.12									
			296	0.162	-.12									
			420	0.162	-.23									
			055	0.160	-.28									
			292	0.160	-.28									
			034	0.161	-.28									
			230	0.160	-.30									
			419	0.161	-.36									

* 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	12	- 0.16	1.10	0.46	050.XX	72	0.05	1.31	0.64
001.99	12	0.00	0.98	0.28	060.00	6	0.00	1.03	0.16
001.XX	24	- 0.08	1.03	0.38	060.XX	7	0.62	1.90	0.45
002.99	2	0.00	1.19	0.21	101.30	17	- 0.89	3.79	0.14
002.XX	2	0.00	1.19	0.21	101.XX	18	- 0.33	4.37	0.14
009.10	3	0.00	1.00	0.41	121.30	16	0.00	0.98	0.26
009.XX	4	0.00	0.97	0.41	121.XX	17	0.61	2.70	0.28
010.11	9	- 0.71	1.65	0.23	144.01	18	- 0.19	1.24	0.45
010.12	2	- 5.86	8.29	0.50	144.99	26	- 0.27	1.39	0.29
010.60	54	2.55	18.36	0.43	144.XX	44	- 0.20	1.36	0.30
010.99	4	0.00	1.06	0.17	151.30	11	- 1.43	4.83	0.46
010.XX	67	1.53	14.22	0.36	151.99	2	0.00	0.67	0.72
020.10	7	0.48	2.17	1.64	151.XX	13	- 1.22	4.49	0.45
020.20	14	2.07	8.24	0.48	165.00	6	0.000	0.853	0.557
020.40	6	0.07	0.96	0.29	165.99	20	5.982	26.294	4.995
020.50	12	3.31	12.05	0.69	165.XX	26	5.125	25.640	4.867
020.99	4	4.94	7.68	0.23	181.30	15	- 1.16	4.59	0.27
020.XX	41	2.81	10.07	0.57	181.XX	17	- 1.01	4.26	0.29
030.20	2	0.00	1.22	0.06	190.99	2	0.00	1.22	0.00
030.XX	5	0.00	1.06	0.05	190.XX	2	0.00	1.22	0.00
040.99	2	0.00	1.21	0.14	191.30	15	- 1.35	3.30	0.44
040.XX	4	0.00	1.05	0.21	191.XX	17	- 0.96	2.61	0.35
041.10	14	- 0.83	3.25	3.41	202.30	13	- 1.05	5.17	0.71
041.20	3	3.94	6.87	3.47	202.99	3	- 8.33	14.46	0.33
041.40	4	- 3.31	6.67	0.68	202.XX	16	- 1.81	6.72	0.75
041.50	11	- 0.37	1.55	0.30	221.00	12	2.1015	6.2403	0.4916
041.60	13	0.25	1.19	0.59	221.30	33	- 0.275	4.8118	0.4952
041.99	2	- 4.50	6.36	1.65	221.99	3	0.0000	0.7034	0.7095
041.XX	37	- 0.03	2.96	1.87	221.XX	47	0.2361	4.6901	0.4551
048.20	3	0.00	1.11	0.08	241.00	12	- 0.34	1.51	0.20
048.XX	4	0.00	1.08	0.08	241.30	33	0.02	1.00	0.06
050.00	18	- 0.15	1.13	0.76	241.99	2	0.00	1.19	0.21
050.10	2	0.00	0.92	0.57	241.XX	47	0.00	1.00	0.06
050.30	6	0.00	1.04	0.11	251.30	13	0.00	1.02	0.04
050.50	10	- 0.14	1.05	0.31	251.XX	15	0.00	1.02	0.04
050.51	10	0.09	0.93	0.60	261.00	11	0.398	1.562	0.506
050.60	7	0.97	3.22	0.93	261.30	29	- 0.150	1.850	0.323
050.61	8	0.00	0.93	0.42	261.31	2	0.000	1.160	0.279
050.99	23	- 0.04	0.91	0.77	261.99	5	- 2.074	4.702	0.469

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
261.XX	48	- 0.252	1.771	0.312					
281.30	3	0.00	1.11	0.09					
281.99	2	0.00	1.10	0.37					
281.XX	6	0.49	1.52	0.14					
289.30	17	0.00	0.99	0.20					
289.99	2	12.02	17.00	2.55					
289.XX	19	0.61	2.82	0.47					
291.30	16	- 1.54	4.95	0.41					
291.XX	18	- 1.41	4.81	0.41					
301.30	8	- 1.66	4.79	0.28					
301.99	3	0.00	1.02	0.38					
301.XX	11	- 0.84	2.93	0.35					
311.99	7	0.00	1.04	0.04					
311.XX	7	0.00	1.04	0.04					
321.00	13	2.882	9.694	1.039					
321.30	37	- 0.322	2.912	1.150					
321.99	2	0.000	1.211	0.128					
321.XX	52	0.288	4.291	1.237					