

- Pass 1 Results for 84 Labs - - Pass 2 Results for 81 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	8	20.77	0.20	0.07	8	20.77	0.20	0.07
Ammoniacal Nitrogen, Other		001.99	8	20.89	0.29	0.16	7	20.86	0.27	0.09
Method Group 001.XX PCT			16	20.83	0.25	0.11	15	20.81	0.24	0.08
Nitrate Nitrogen, Other		002.99	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Ammon & Nitrate N, Devarda	892.01	009.10	2	20.81	0.48	0.52	2	20.81	0.48	0.52
Ammon & Nitrate N, Other		009.99	1	21.34	0.01	0.02	1	21.34	0.01	0.02
Method Group 009.XX PCT			3	20.99	0.46	0.35	3	20.99	0.46	0.35
Total Nitrogen, Modified Comprehensive	978.02	010.11	6	20.86	0.26	0.09	5	20.88	0.27	0.05
Total Nitrogen, Salicylic	955.04D	010.12	1	20.81	0.01	0.02	1	20.81	0.01	0.02
Total Nitrogen, Combustion		010.60	61	20.97	0.25	0.10	57	20.98	0.22	0.08
Total Nitrogen, Other		010.99	6	20.87	0.36	0.06	5	20.76	0.26	0.03
Method Group 010.XX PCT			74	20.95	0.26	0.09	68	20.95	0.26	0.07
Total Phosphate, Spectrometric	958.01	020.20	1	0.67	0.02	0.03	1	0.67	0.02	0.03
Total Phosphate, Automated	978.01	020.40	1	21.01	0.04	0.05	1	21.01	0.04	0.05
Total Phosphate, ICP		020.50	3	18.13	27.86	0.07	3	18.13	27.86	0.07
Method Group 020.XX PCT			5	15.21	22.17	0.06	4	5.49	9.58	0.03
Dir Available Phosphate, Grav Quimociac	960.03E	041.10	1	0.14	0.04	0.05	1	0.14	0.04	0.05
Dir Available Phosphate, ICP		041.50	2	0.14	0.01	0.01	2	0.14	0.01	0.01
Method Group 041.XX PCT			3	0.14	0.02	0.02	3	0.14	0.02	0.02
Water Soluble Phosphate, Spectrometric	970.01	048.20	1	0.19	0.13	0.18	1	0.19	0.13	0.18
Soluble Potash, STPB Oxalate	958.02	050.00	15	60.66	0.34	0.17	13	60.68	0.32	0.08
Soluble Potash, STPB Citrate	969.04	050.10	2	60.29	0.08	0.09	2	60.29	0.08	0.09
Soluble Potash, AA (Oxalate)		050.30	9	60.04	0.99	0.54	9	60.04	0.99	0.54
Soluble Potash, ICP (Oxalate)		050.50	6	60.22	1.15	0.55	6	60.22	1.15	0.55
Soluble Potash, ICP (Citrate)		050.51	9	60.67	0.86	0.21	9	60.67	0.86	0.21
Soluble Potash, Flame (Oxalate)	983.02(a)	050.60	3	60.70	0.32	0.06	3	60.70	0.32	0.06
Soluble Potash, Flame (Citrate)	983.02(b)	050.61	8	60.65	0.78	0.44	7	60.69	0.73	0.20
Soluble Potash, Other		050.99	12	60.15	0.26	0.17	11	60.14	0.25	0.14
Method Group 050.XX PCT			70	60.35	0.84	0.35	66	60.36	0.77	0.26
Free Water, Vacuum Oven	965.08B	060.00	2	0.05	0.03	0.04	2	0.05	0.03	0.04
Acid Soluble Calcium, ICP		101.30	7	0.07	0.01	0.00	6	0.07	0.01	0.00
Acid Soluble Magnesium, ICP		121.30	8	0.05	0.02	0.00	6	0.04	0.02	0.00
Sulfur, Gravimetric	980.02a	144.01	19	24.36	0.43	0.12	19	24.36	0.43	0.12
Sulfur, Gravimetric	980.02b	144.02	1	24.42	0.02	0.03	1	24.42	0.02	0.03
Sulfur, Spectrometric		144.70	1	23.58	0.06	0.09	1	23.58	0.06	0.09
Sulfur, Other		144.99	17	23.85	0.59	0.17	16	23.89	0.56	0.11
Method Group 144.XX PCT			38	24.12	0.56	0.14	37	24.14	0.54	0.12
Arsenic, ICP		151.30	1	0.85	0.00	0.01	1	0.85	0.00	0.01
Acid Soluble Boron, Other		165.99	2	6.895	0.142	0.090	2	6.895	0.142	0.090

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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
Cadmium, ICP		181.30	1	0.08	0.00	0.00	1	0.08	0.00	0.00
Water Soluble Chlorine, Other		190.99	1	0.00	0.00	0.00	1	0.00	0.00	0.00
Chromium, ICP		191.30	2	0.88	0.33	0.40	2	0.88	0.33	0.40
Acid Soluble Cobalt, ICP	965.11	202.30	1	0.18	0.00	0.00	1	0.18	0.00	0.00
Acid Soluble Copper, ICP		221.30	4	1.9361	1.9151	0.0750	4	1.9361	1.9151	0.0750
Acid Soluble Iron, ICP		241.30	4	0.02	0.00	0.00	4	0.02	0.00	0.00
Lead, ICP		251.30	1	0.34	0.00	0.01	1	0.34	0.00	0.01
Acid Soluble Manganese, ICP	972.02a	261.30	3	1.099	0.861	0.137	3	1.099	0.861	0.137
Molybdenum, ICP		289.30	2	0.41	0.17	0.01	2	0.41	0.17	0.01
Nickel, ICP		291.30	1	0.13	0.00	0.00	1	0.13	0.00	0.00
Selenium, ICP		301.30	1	0.08	0.00	0.00	1	0.08	0.00	0.00
Sodium, Other		311.99	3	0.83	0.63	0.02	3	0.83	0.63	0.02
Acid Soluble Zinc, ICP		321.30	6	1.035	1.545	0.167	5	0.572	1.201	0.020

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 001.10 PCT			Meth: 001.XX PCT			Meth: 010.11 PCT			Meth: 010.60 PCT			Meth: 010.60 PCT		
<u>Ammoniacal Nitrogen</u>			<u>Ammoniacal Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Nitrogen</u>		
<u>MgO Distillation</u>			<u>Modified Comprehensi</u>			<u>Combustion</u>			<u>Combustion</u>			<u>Combustion</u>		
291	21.06	1.42	416	20.81	-.04	090	21.04	.58	231	21.06	.37	073	20.56	-1.90
029	20.85	.49	027	20.76	-.23	309	21.03	.55	390	21.04	.30	423	20.36	-2.79
389	20.85	.46	351	20.74	-.32	Avg	20.88		095	21.04	.27	102	20.36	-2.82
309	20.83	.32	420	20.72	-.44	029	20.82	-.23	086	20.99	.23	351	20.21 A	-3.46
416	20.81	.16	255	20.61	-.87	114	20.73 R	-.82	136	21.02	.20	428	20.00 s	-4.43
Avg	20.77		193	20.51	-1.30	211	20.42	-1.74	360	21.02	.16	443	19.68 s	-5.89
351	20.74	-.17	444	20.34	-2.04	322	19.32 S	-5.84	117	21.00	.09	042	16.00 s	-22.39
420	20.72	-.33	372	17.74 s	-13.06				106	21.00	.09			
444	20.34	-2.18	230	0.13 s	-87.71	Meth: 010.12 PCT			Avg	20.98		Meth: 010.99 PCT		
230	0.13 s	-102.29				Total Nitrogen			027	20.98	-.03	Total Nitrogen		
			Meth: 002.99 PCT			<u>Salicylic</u>			247	20.97	-.10	<u>Other</u>		
			Nitrate Nitrogen			185	20.81	-.71	040	20.96	-.10	072	21.43 R	2.58
			<u>Other</u>			Meth: 010.60 PCT			292	20.96	-.12	137	21.07	1.19
			393	0.00	.00	Total Nitrogen			025	20.96	-.13	300	20.92	.63
						<u>Combustion</u>			131	20.94	-.21	420	20.84	.30
Meth: 001.99 PCT			Meth: 009.10 PCT			422	21.49	2.29	372	20.94	-.22	Avg	20.76	
Ammoniacal Nitrogen			Ammon & Nitrate N			262	21.45	2.12	018	20.95	-.26	255	20.59	-.66
<u>Other</u>			<u>Devarda</u>			232	21.36	1.70	233	20.96	-.33	402	20.37	-1.47
393	21.34	1.78	090	21.01	.41	070	21.32	1.60	425	20.90	-.39			
234	21.10 R	1.43	Avg	20.81		393	21.31	1.46	451	20.97 X	-.39	Meth: 010.XX PCT		
096	21.02	.58	030	20.62	-1.15	330	21.20 R	1.33	055	20.95	-.43	<u>Total Nitrogen</u>		
450	20.91	.38				023	21.28	1.32	234	20.91	-.45	422	21.49	2.10
220	20.87	.34	Meth: 009.99 PCT			022	21.25	1.23	049	20.98	-.45	262	21.45	1.95
Avg	20.86		Ammon & Nitrate N			177	21.19	.97	406	20.88	-.47	072	21.43	1.91
027	20.76	-.37	<u>Other</u>			369	21.15	.75	029	20.89	-.52	232	21.36	1.59
255	20.61	-.93	393	21.34	.71	307	20.99	.72	453	20.87	-.54	070	21.32	1.50
193	20.51	-1.31				296	21.14	.71	324	20.85	-.63	393	21.31	1.38
372	17.74 s	-11.60	Meth: 009.XX PCT			291	21.13	.66	028	20.83	-.71	023	21.28	1.26
			Ammon & Nitrate N			035	21.10	.58	037	20.84	-.78	330	21.20 R	1.24
			<u>Ammon & Nitrate N</u>			007	21.10	.54	420	20.87	-.87	022	21.25	1.18
			393	21.34	.77	043	21.05	.48	009	20.81	-.90	177	21.19	.95
			090	21.01	.04	325	21.00	.46	041	20.78	-.93	369	21.15	.77
			Avg	20.99		024	21.08	.45	426	20.70	-1.26	296	21.14	.73
			030	20.62	-1.38	361	21.08	.43	230	20.70	-1.26	291	21.13	.68
			Meth: 010.11 PCT			389	21.05	.38	072	20.88 R	-1.32	220	21.11	.65
			Total Nitrogen			377	21.06	.37	444	20.69 R	-1.51	307	20.99 R	.64
			<u>Modified Comprehensi</u>						354	20.65	-1.53	035	21.10	.61
			220	21.11	.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: 010.XX PCT			Meth: 010.XX PCT			Meth: 020.50 PCT			Meth: 050.00 PCT			Meth: 050.30 PCT		
<u>Total Nitrogen</u>			<u>Total Nitrogen</u>			<u>Total Phosphate</u>			<u>Soluble Potash</u>			<u>Soluble Potash</u>		
007	21.10	.58	420	20.84	-.45	ICP			STPB Oxalate			AA (Oxalate)		
024	21.08	.50	028	20.83	-.50	330	54.10	1.29	022	61.35	2.09	262	59.70	-.35
043	21.05	.50	029	20.82	-.51	Avg	18.13		009	61.09	1.26	185	59.80	-.61
361	21.08	.49	185	20.81	-.55	422	0.18	-.64	043	61.06	1.16	234	59.35	-.78
137	21.07	.46	037	20.84	-.58	453	0.13	-.65	072	60.92	.74	351	58.44	-1.62
325	21.00	.43	009	20.81	-.68				114	60.74	.34	193	57.60 S	-2.56
389	21.05	.43	041	20.78	-.69	Meth: 020.XX PCT			Avg			60.68		
377	21.06	.43	420	20.87 R	-.69	<u>Total Phosphate</u>			029			60.57		
231	21.06	.43	426	20.70	-.98	330	54.10 R	5.08	049			60.55		
049	20.98	.41	230	20.70	-.98	096	21.01	1.62	090			60.49		
390	21.04	.37	114	20.73 R	-1.06	Avg	5.49		220			60.54		
095	21.04	.35	072	20.88 R	-1.11	420	0.67	-.50	211			60.47		
451	20.97 X	.34	354	20.65	-1.21	422	0.18	-.56	231			60.44		
090	21.04	.33	444	20.69 R	-1.21	453	0.13	-.56	372			60.40		
309	21.03	.30	255	20.59	-1.43				055			60.57 R		
136	21.02	.28	073	20.56	-1.53	Meth: 041.10 PCT			416			60.29		
233	20.96	.27	211	20.42	-2.09	Dir Available Phosph			233			60.43 R		
360	21.02	.25	402	20.37	-2.28	<u>Grav Quimociac</u>			102			59.18 s		
086	20.99	.24	423	20.36	-2.30	009			230			58.50 s		
106	21.00	.19	102	20.36	-2.33									
117	21.00	.18	351	20.21	-2.89	Meth: 041.50 PCT			Meth: 050.10 PCT			Meth: 050.51 PCT		
247	20.97	.11	428	20.00 s	-3.72	Dir Available Phosph			Soluble Potash			Soluble Potash		
027	20.98	.10	443	19.68 s	-4.99	<u>ICP</u>			<u>STPB Citrate</u>			<u>ICP (Citrate)</u>		
025	20.96	.06	322	19.32 s	-6.35	325	0.15	.87	300			60.32		
040	20.96	.05	042	16.00 s	-19.29	Avg	0.14		Avg			60.29		
292	20.96	.02				009	0.14	-.87	444			60.26		
Avg	20.95		Meth: 020.20 PCT						117			56.38 S		
131	20.94	-.07	<u>Total Phosphate</u>			Meth: 041.XX PCT			Meth: 050.30 PCT			Soluble Potash		
372	20.94	-.09	<u>Spectrometric</u>			<u>Dir Available Phosph</u>			<u>Soluble Potash</u>			AA (Oxalate)		
300	20.92	-.14	420	0.67	.71	325	0.15	.48	369			77.12 s		
018	20.95	-.19				Avg	0.14		428			61.92 X		
425	20.90	-.22	Meth: 020.40 PCT			009			009			0.14		
406	20.88	-.30	<u>Total Phosphate</u>			009			0.14			-1.46		
234	20.91	-.32	<u>Automated</u>											
055	20.95	-.35	096	21.01	-.71	Meth: 048.20 PCT			040			60.52		
029	20.89	-.36				Water Soluble Phosph			425			60.05		
453	20.87	-.36				<u>Spectrometric</u>			Avg			60.04		
324	20.85	-.44				420	0.19	.71	073			59.94		

* 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: 050.60 PCT			Meth: 050.99 PCT			Meth: 050.XX PCT			Meth: 050.XX PCT			Meth: 121.30 PCT		
Soluble Potash			Soluble Potash			Soluble Potash			Soluble Potash			Acid Soluble Magnesi		
<u>Flame (Oxalate)</u>			<u>Other</u>									<u>ICP</u>		
443	69.84 S	28.67	455	59.89	-1.00	035	60.71	.48	420	59.38	-1.38	422	0.10 R	3.28
406	63.05 S	7.36	325	59.80	-1.36	361	60.64	.36	234	59.35	-1.39	131	0.06	1.05
131	61.11	1.28	042	59.25 s	-4.19	220	60.54	.30	023	59.13	-1.61	453	0.06 R	.94
Avg	60.70		131	59.13 s	-5.24	049	60.55	.28	042	59.25	-1.61	009	0.05	.68
309	60.52	-.58	307	58.76 s	-6.86	029	60.57	.27	102	59.18	-1.65	420	0.05	.54
055	60.47	-.73				309	60.52	.21	131	59.13 R	-1.93	232	0.05	.39
			Meth: 050.XX PCT			090	60.49	.16	432	58.86	-1.96	Avg	0.04	
Meth: 050.61 PCT			<u>Soluble Potash</u>			055	60.47	.16	230	58.50	-2.42	390	0.02	-1.28
Soluble Potash			369	77.12 s	21.76	211	60.47	.15	307	58.76 R	-2.46	433	0.02	-1.36
<u>Flame (Citrate)</u>			443	69.84 s	12.33	231	60.44	.12	351	58.44	-2.51			
030	63.94 s	6.95	030	63.94 s	6.84	072	60.44	.11	193	57.60 s	-3.69	Meth: 144.01 PCT		
025	61.88	1.64	292	62.72 s	3.65	372	60.40	.06	453	57.41 s	-3.88	Sulfur		
029	60.72	.40	406	63.05 s	3.49	322	60.39	.04	022	56.85 s	-4.58	<u>Gravimetric</u>		
393	60.95	.36	390	60.95 s	3.40	Avg	60.36		117	56.38 s	-5.18	262	25.30	2.16
024	60.83	.26	324	62.10 R	2.49	300	60.32	-.05	Meth: 060.00 PCT			055	24.95	1.40
035	60.71	.10	177	62.08	2.24	354	60.36	-.08	Free Water			029	24.86	1.14
Avg	60.69		428	61.92 X	2.10	416	60.29	-.09	<u>Vacuum Oven</u>			043	24.62	.60
041	60.31	-.53	025	61.88	1.97	402	60.33	-.10	416	0.07	.74	324	24.55	.44
037	60.41 R	-1.50	007	61.63	1.65	041	60.31	-.11	Avg	0.05		040	24.53	.39
034	59.40	-1.77	291	61.58	1.58	444	60.26	-.18	007	0.04	-.98	233	24.52	.36
			377	61.47	1.45	426	60.17	-.26	Meth: 101.30 PCT			102	24.51	.33
Meth: 050.99 PCT			037	60.41 R	1.37	027	60.35	-.27	Acid Soluble Calcium			041	24.46	.29
Soluble Potash			022	61.35	1.29	232	60.08	-.37	<u>ICP</u>			086	24.38	.05
<u>Other</u>			095	61.11	.98	360	60.31	-.38	422	0.31 s	33.01	Avg	24.36	
390	60.95 s	10.74	131	61.11	.97	422	60.07	-.39	453	0.08 R	2.59	220	24.35	-.16
177	62.08 s	7.80	009	61.09	.94	425	60.05	-.41	009	0.08	1.62	095	24.24	-.30
360	60.31 R	1.35	043	61.06	.90	255	60.03	-.49	420	0.07	.55	296	24.35	-.36
072	60.44	1.21	393	60.95	.76	450	59.96	-.54	390	0.07	.30	231	24.18	-.63
027	60.35	1.17	072	60.92	.73	073	59.94	-.56	Avg	0.07		444	24.09	-.68
322	60.39	1.01	040	60.52	.63	009	59.99	-.58	232	0.07	-.22	114	24.06	-.71
354	60.36	.91	024	60.83	.63	247	59.91	-.59	131	0.06	-.93	028	23.81	-1.29
402	60.33	.80	029	60.72	.60	455	59.89	-.61	433	0.06	-1.26	372	23.65	-1.66
Avg	60.14		136	60.64	.59	325	59.80	-.73				193	23.55	-1.88
232	60.08	-.27	106	60.77	.58	043	59.81	-.75				230	19.70 s	-10.73
255	60.03	-.83	233	60.43	.54	262	59.70	-.86						
450	59.96	-.86	055	60.57	.51	185	59.80	-1.03						
247	59.91	-.93	114	60.74	.50	034	59.40	-1.26						

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Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
Meth: 144.02 PCT			Meth: 144.XX PCT			Meth: 144.XX PCT			Meth: 221.30 PCT			Meth: 291.30 PPM		
Sulfur			Sulfur			Sulfur			Acid Soluble Copper			Nickel		
<u>Gravimetric</u>			<u>Gravimetric</u>			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
292	24.42	.71	029	24.86	1.33	137	20.79 s	-6.18	433	3.8800	1.02	393	0.13	.71
			049	24.73	1.09	230	19.70 s	-8.19	393	3.5600	.85			
			043	24.62	.89				Avg	1.9361				
Meth: 144.70 PCT			324 24.55 .76			Meth: 151.30 PPM			232 0.3000 -.86			Meth: 301.30 PPM		
Sulfur			040 24.53 .72			Arsenic			423 0.0043 -1.01			Selenium		
<u>Spectrometric</u>			233 24.52 .70			<u>ICP</u>			<u>ICP</u>			<u>ICP</u>		
393	23.58	-.71	102	24.51	.68	393	0.85	-.71				393	0.08	.71
			041	24.46	.61				Meth: 241.30 PCT					
Meth: 144.99 PCT			292 24.42 .51			Meth: 165.99 PCT			Acid Soluble Iron			Meth: 311.99 PCT		
Sulfur			296 24.35 .47			Acid Soluble Boron			<u>ICP</u>			Sodium		
<u>Other</u>			136 24.39 .46			<u>Other</u>			423 0.09 s 23.77			<u>Other</u>		
220	24.87	1.74	086	24.38	.44	232	7.000	.74	453	0.02	1.43	009	1.34	.80
049	24.73	1.48	220	24.35	.41	Avg	6.895		009	0.02	.19	232	1.14	.48
136	24.39	.88	231	24.18	.36	433	6.790	-.98	Avg	0.02		Avg	0.83	
351	24.30	.73	351	24.30	.30				232	0.01	-.46	422	0.03	-1.28
023	24.23	.62	037	24.17	.27	Meth: 181.30 PPM			433 0.01 -1.10					
037	24.17	.54	023	24.23	.23	Cadmium			Meth: 251.30 PPM			Meth: 321.30 PCT		
040	24.18	.52	095	24.24	.17	<u>ICP</u>			Lead			Acid Soluble Zinc		
027	24.01	.20	040	24.18	.13	393 0.08 .71			<u>ICP</u>			<u>ICP</u>		
390	23.90	.01	Avg	24.14		Meth: 190.99 PCT			393 0.34 .71			232 3.350 R 2.34		
Avg	23.89		114	24.06	-.18	Water Soluble Chlori			Meth: 261.30 PCT			009 2.850 1.90		
360	23.82	-.15	444	24.09	-.20	<u>Other</u>			Acid Soluble Mangane			Avg 0.572		
291	23.49	-.72	027	24.01	-.25	009 0.00 .71			<u>ICP</u>			423 0.003 -.47		
450	23.46	-.83	390	23.90	-.44	Meth: 191.30 PPM			393 1.695 .69			390 0.002 -.47		
422	23.36	-.95	360	23.82	-.60	Chromium			009 1.600 .63			422 0.002 -.47		
389	23.30	-1.07	028	23.81	-.62	<u>ICP</u>			Avg 1.099			433 0.001 -.47		
423	23.23	-1.19	372	23.65	-.92	232 0.90 1.22			433 0.001 -1.28					
009	23.20 R	-1.57	393	23.58	-1.05	Avg 0.88			Meth: 289.30 PPM					
255	22.87	-1.81	193	23.55	-1.10	393 0.86 -.06			Molybdenum					
453	21.05 S	-5.05	291	23.49	-1.20	Meth: 202.30 PPM			<u>ICP</u>					
361	20.97 s	-5.20	450	23.46	-1.29	Acid Soluble Cobalt			433 0.56 .87					
137	20.79 s	-5.51	422	23.36	-1.44	<u>ICP</u>			Avg 0.41					
			389	23.30	-1.56	393 0.18 .71			393 0.27 -.87					
Meth: 144.XX PCT			423 23.23 -1.69			Meth: 202.30 PPM			Meth: 289.30 PPM					
Sulfur			009 23.20 R -2.01			Acid Soluble Cobalt			Molybdenum					
262	25.30	2.14	255	22.87	-2.34	<u>ICP</u>			<u>ICP</u>					
055	24.95	1.52	453	21.05 s	-5.70	393 0.18 .71			433 0.56 .87					
220	24.87	1.35	361	20.97 s	-5.86				Avg 0.41					
									393 0.27 -.87					

* 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	9	- 11.37	34.11	0.19	261.30	3	0.000	1.106	0.134
001.99	9	- 1.19	4.01	0.43	261.XX	3	0.000	1.106	0.134
001.XX	18	- 5.53	20.76	0.37	289.30	2	0.00	1.22	0.04
009.10	2	0.00	0.58	0.76	289.XX	2	0.00	1.22	0.04
009.XX	3	0.00	0.79	0.65	311.99	3	0.00	1.12	0.02
010.11	7	- 0.91	2.34	0.25	311.XX	3	0.00	1.12	0.02
010.60	64	- 0.58	3.09	0.34	321.30	6	0.386	1.338	0.154
010.99	6	0.42	1.41	0.17	321.XX	5	0.558	1.420	0.169
010.XX	75	- 0.48	2.60	0.29					
020.50	3	0.00	1.12	0.00					
020.XX	5	1.02	2.45	0.00					
041.50	2	0.00	0.87	0.61					
041.XX	2	0.10	0.41	0.77					
050.00	17	- 0.74	2.12	0.56					
050.10	3	- 16.44	28.48	1.10					
050.30	11	1.34	5.40	0.37					
050.50	7	0.31	1.22	0.58					
050.51	11	- 0.75	1.90	0.24					
050.60	5	7.20	12.42	0.78					
050.61	9	0.45	1.75	1.85					
050.99	17	- 0.08	2.97	2.87					
050.XX	73	0.39	3.29	0.93					
060.00	2	0.00	0.79	0.66					
060.XX	2	0.00	0.79	0.66					
101.30	8	4.44	11.61	0.37					
101.XX	8	4.44	11.61	0.37					
121.30	8	0.52	1.45	0.15					
121.XX	8	0.52	1.45	0.15					
144.01	20	- 0.54	2.59	0.19					
144.99	20	- 0.85	2.12	0.25					
144.XX	40	- 0.72	2.20	0.23					
165.99	2	0.000	1.047	0.449					
165.XX	2	0.000	1.047	0.449					
191.30	2	0.00	0.08	0.86					
191.XX	2	0.00	0.08	0.86					
221.30	4	0.0000	1.0796	0.0282					
221.XX	4	0.0000	1.0796	0.0282					
241.30	5	4.75	10.67	0.15					
241.XX	5	4.75	10.67	0.15					