

AFPC

Sample

2010-02

Grade

11-52-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
AMMONIACAL NITROGEN					
Ammoniacal Nitrogen, MgO distillation	920.03	001.10	1	11.34	0.00
Ammoniacal Nitrogen, Other		001.99	8	11.24	0.04
Method Group 001.XX PCT			9	11.26	0.05
TOTAL NITROGEN					
Total Nitrogen, Combustion	993.13	010.60	7	11.26	0.10
Method Group 010.XX PCT			7	11.26	0.13
TOTAL PHOSPHATE					
Total Phosphate, Spectrometric	978.02	020.20	12	52.96	0.25
Total Phosphate, ICP, Lithium	970.02	020.50	1	53.25	0.00
Method Group 020.XX PCT			13	52.99	0.35
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	9	0.26	0.12
Insoluble Phosphate, Alka. Quimociac	963.03C(c)	030.30	1	0.11	0.00
Insoluble Phosphate, Automated	978.01	030.40	1	0.27	0.00
Insoluble Phosphate, ICP		030.50	1	0.21	0.00
Method Group 030.XX PCT			12	0.26	0.07
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	10	52.64	0.20
Indirect Available Phosphate, ICP		040.50	1	53.05	0.00
Indirect Available Phosphate, Other		040.99	1	52.71	0.00
Method Group 040.XX PCT			12	52.70	0.25
DIRECT AVAILABLE PHOSPHATE					
Direct Available Phosphate, Automated	978.01	041.40	2	52.76	0.01
Method Group 041.XX PCT			2	52.76	0.01
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	10	47.82	0.42
Water Soluble Phosphate, Other		048.99	2	48.05	0.17

Method Group 048.XX PCT			12	47.85	0.52
SOLUBLE POTASH AS K₂O					
Soluble Potash, ICP(Oxalate)	050.50		2	0.12	0.00
Soluble Potash, Other	050.99		4	0.12	0.01
Method Group 050.XX PCT			6	0.12	0.01
FREE WATER					
Free Water, Vacuum Oven	965.08B	060.00	10	1.37	0.10
Free Water, Vacuum Desiccate	965.08A	060.10	2	1.25	0.01
Method Group 060.XX PCT			12	1.33	0.13
ACID SOLUBLE CALCIUM AS CaO					
Acid Soluble Calcium, ICP	101.30		11	0.65	0.04
Method Group 101.XX PCT			11	0.65	0.04
ACID SOLUBLE MAGNESIUM AS MgO					
Acid Soluble Magnesium, ICP	121.30		11	1.19	0.04
Method Group 121.XX PCT			11	1.19	0.05
SULFATE SULFUR (S)					
Sulfur, Gravimetric	980.02(a)	144.01	2	1.40	0.03
Sulfur, Spectrometric		144.70	2	1.42	0.00
Sulfur, Other		144.99	6	1.42	0.01
Method Group 144.XX PCT			10	1.42	0.01
TOTAL ARSENIC					
Total Arsenic, ICP	980.02(b)	151.02	1	18	0.0
Method Group 151.XX PPM			1	18	0.0
ACID SOLUBLE BORON					
Acid Soluble Boron, Other	165.99		1	32	0.0
Method Group 165.XX PPM			1	32	0.0
TOTAL CADMIUM					
Total Cadmium, ICP	181.30		2	146	0.9
Total Cadmium, Other	181.99		1	151	0.0
Method Group 181.XX PPM			3	147	3.0
ALUMINUM AS Al₂O₃					
ICP, %			9	1.62	0.04
Water Soluble Chlorine, Other, %	190.99		1	1.68	0.00

Method Group 190.XX PCT		10	1.63	0.07
TOTAL CHROMIUM				
Total Chromium, ICP	191.30	3	517	22.0
Total Chromium, Other	191.99	1	507	0.0
Method Group 191.XX PPM		4	512	19.4
ACID SOLUBLE COBALT				
Acid Soluble Cobalt, ICP	202.30	2	4	0.0
Acid Soluble Cobalt, Other	202.99	1	4	0.0
Method Group 202.XX PPM		3	4	0.1
ACID SOLUBLE COPPER				
Acid Soluble Copper, ICP	221.30	2	85	0.2
Acid Soluble Copper, Other	221.99	1	0	0.0
Method Group 221.XX PPM		3	85	3.3
ACID SOLUBLE IRON AS Fe₂O₃				
Acid Soluble Iron, ICP	241.30	10	1.19	0.03
Method Group 241.XX PCT		10	1.19	0.04
TOTAL LEAD				
Total Lead, ICP	251.30	2	3	0.0
Total Lead, Other	251.99	1	2	0.0
Method Group 251.XX PPM		3	3	0.4
ACID SOLUBLE MANGANESE				
Acid Soluble Manganese, ICP	972.02a 261.30	1	182	0.0
Acid Soluble Manganese, Other	261.99	3	176	2.6
Method Group 261.XX PPM		4	176	3.6
TOTAL MOLYBDENUM				
Total Molybdenum, ICP	289.30	2	13	0.0
Total Molybdenum, Other	289.99	1	14	0.0
Method Group 289.XX PPM		3	13	0.6
TOTAL NICKEL				
Total Nickel, ICP	291.30	2	239	0.4
Total Nickel, Other	291.99	1	231	0.0
Method Group 291.XX PPM		3	238	3.6
SODIUM AS Na₂O				

Sodium, Atomic Absorbtion	983.04	311.00	1	0.15	0.00
Sodium, Other		311.99	5	0.16	0.01
Method Group 311.XX PCT			6	0.15	0.02
ACID SOLUBLE ZINC					
Acid Soluble Zinc, ICP		321.30	3	1590.0	15.7
Method Group 321.XX PPM			3	1590.0	19.1
FLUORIDE					
Volumetric		325.10	8	1.46	0.28
Distilled/Electrode		325.99	2	1.51	0.01
Method Group 325.XX PCT			10	1.48	0.07