

AFPC

Sample

2010-11

Grade

11-52-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
AMMONIACAL NITROGEN					
Ammoniacal Nitrogen, MgO distillation	920.03	001.10	1	11.26	0.00
Ammoniacal Nitrogen, Other		001.99	6	10.98	0.04
Method Group 001.XX PCT			7	10.99	0.06
TOTAL NITROGEN					
Total Nitrogen, Modified Comprehensive	978.02	010.11	2	11.12	0.04
Total Nitrogen, Combustion	993.13	010.60	7	11.00	0.05
Total Nitrogen, Other		010.99	1	11.04	0.00
Method Group 010.XX PCT			10	11.02	0.08
TOTAL PHOSPHATE					
Total Phosphate, Spectrometric	978.02	020.20	13	52.19	0.07
Method Group 020.XX PCT			13	52.19	0.08
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	10	0.06	0.03
Insoluble Phosphate, Alka. Quimociac	963.03C(c)	030.30	1	0.14	0.00
Insoluble Phosphate, Automated	978.01	030.40	2	0.03	0.00
Method Group 030.XX PCT			13	0.06	0.04
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	10	52.13	0.03
Indirect Available Phosphate, Other		040.99	2	52.35	0.04
Method Group 040.XX PCT			12	52.13	0.07
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	11	46.41	0.64
Water Soluble Phosphate, Other		048.99	2	46.33	0.16
Method Group 048.XX PCT			13	46.41	0.71
SOLUBLE POTASH AS K₂O					
Soluble Potash, ICP(Oxalate)		050.50	2	0.35	0.00
Soluble Potash, Other		050.99	4	0.34	0.02

Method Group 050.XX PCT			6	0.35	0.02
FREE WATER					
Free Water, Vacuum Oven	965.08B	060.00	11	2.59	0.37
Free Water, Vacuum Desiccate	965.08A	060.10	2	3.40	0.04
Method Group 060.XX PCT			13	2.80	0.33
ACID SOLUBLE CALCIUM AS CaO					
Acid Soluble Calcium, ICP		101.30	12	0.35	0.02
Method Group 101.XX PCT			12	0.35	0.03
ACID SOLUBLE MAGNESIUM AS MgO					
Acid Soluble Magnesium, ICP		121.30	12	2.27	0.14
Method Group 121.XX PCT			12	2.27	0.18
SULFATE SULFUR (S)					
Sulfur, Gravimetric	980.02(a)	144.01	2	1.33	0.01
Sulfur, Spectrometric		144.70	2	1.33	0.00
Sulfur, Other		144.99	8	1.32	0.04
Method Group 144.XX PCT			12	1.33	0.04
TOTAL ARSENIC					
Total Arsenic, ICP	980.02(b)	151.02	1	4	0.0
Method Group 151.XX PPM			1	4	0.0
ACID SOLUBLE BORON					
Acid Soluble Boron, Other		165.99	1	123	0.0
Method Group 165.XX PPM			1	123	0.0
TOTAL CADMIUM					
Total Cadmium, ICP		181.30	3	47	1.2
Total Cadmium, Other		181.99	1	48	0.0
Method Group 181.XX PPM			4	47	1.1
ALUMINUM AS Al₂O₃					
ICP, %			11	1.20	0.04
Water Soluble Chlorine, Other, %		190.99	1	1.69	0.00
Method Group 190.XX PCT			12	1.20	0.05
TOTAL CHROMIUM					
Total Chromium, ICP		191.30	4	467	24.5
Total Chromium, Other		191.99	1	407	0.0

Method Group 191.XX PPM		5	466	12.7
ACID SOLUBLE COBALT				
Acid Soluble Cobalt, ICP	202.30	3	3	0.4
Acid Soluble Cobalt, Other	202.99	1	2	0.0
Method Group 202.XX PPM		4	3	0.8
ACID SOLUBLE COPPER				
Acid Soluble Copper, ICP	221.30	3	1	0.4
Acid Soluble Copper, Other	221.99	1	0	0.0
Method Group 221.XX PPM		4	1	0.3
ACID SOLUBLE IRON AS Fe₂O₃				
Acid Soluble Iron, ICP	241.30	12	2.18	0.06
Method Group 241.XX PCT		12	2.18	0.08
TOTAL LEAD				
Total Lead, ICP	251.30	1	0	0.0
Method Group 251.XX PPM		1	0	0.0
ACID SOLUBLE MANGANESE				
Acid Soluble Manganese, ICP	972.02a 261.30	2	142	30.7
Acid Soluble Manganese, Other	261.99	3	94	1.1
Method Group 261.XX PPM		5	96	6.2
TOTAL MOLYBDENUM				
Total Molybdenum, ICP	289.30	3	18	2.0
Total Molybdenum, Other	289.99	1	21	0.0
Method Group 289.XX PPM		4	19	3.3
TOTAL NICKEL				
Total Nickel, ICP	291.30	3	56	1.3
Total Nickel, Other	291.99	1	56	0.0
Method Group 291.XX PPM		4	56	0.9
SODIUM AS Na₂O				
Sodium, Atomic Absorbtion	983.04 311.00	1	0.37	0.00
Sodium, Other	311.99	5	0.37	0.00
Method Group 311.XX PCT		6	0.37	0.00
ACID SOLUBLE ZINC				
Acid Soluble Zinc, ICP	321.30	4	747.5	14.8

Method Group 321.XX %		4	747.5	18.1
FLUORIDE				
Volumetric	325.10	9	0.74	0.03
Distilled/Electrode	325.99	3	0.73	0.01
Method Group 325.XX PCT		12	0.73	0.04