

AFPC

Sample

2011-02

Grade

11-52-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
AMMONIACAL NITROGEN					
Ammoniacal Nitrogen, MgO distillation	920.03	001.10	1	11.26	0.00
Ammoniacal Nitrogen, Other		001.99	8	11.18	0.10
Method Group 001.XX PCT			9	11.20	0.12
TOTAL NITROGEN					
Total Nitrogen, Combustion	993.13	010.60	7	11.16	0.16
Method Group 010.XX PCT			7	11.16	0.20
TOTAL PHOSPHATE					
Total Phosphate, Spectrometric	978.02	020.20	12	53.01	0.22
Method Group 020.XX PCT			12	53.01	0.27
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	10	0.13	0.06
Insoluble Phosphate, Alka. Quimociac	963.03C(c)	030.30	1	0.14	0.00
Insoluble Phosphate, Automated	978.01	030.40	1	0.14	0.00
Method Group 030.XX PCT			12	0.14	0.07
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	11	52.90	0.23
Indirect Available Phosphate, Other		040.99	1	53.00	0.00
Method Group 040.XX PCT			12	52.90	0.28
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	10	47.66	0.41
Water Soluble Phosphate, Other		048.99	1	47.98	0.00
Method Group 048.XX PCT			11	47.71	0.48
SOLUBLE POTASH AS K₂O					
Soluble Potash, ICP(Oxalate)		050.50	2	0.10	0.00
Soluble Potash, Other		050.99	4	0.11	0.01
Method Group 050.XX PCT			6	0.11	0.01

Free Water, Vacuum Oven	965.08B	060.00	10	2.21	0.06
Free Water, Vacuum Desiccate	965.08A	060.10	2	2.28	0.02
Method Group 060.XX PCT			12	2.23	0.08
ACID SOLUBLE CALCIUM AS CaO					
Acid Soluble Calcium, ICP		101.30	11	0.54	0.02
Method Group 101.XX PCT			11	0.54	0.02
ACID SOLUBLE MAGNESIUM AS MgO					
Acid Soluble Magnesium, ICP		121.30	11	0.97	0.02
Method Group 121.XX PCT			11	0.97	0.03
SULFATE SULFUR (S)					
Sulfur, Gravimetric	980.02(a)	144.01	2	1.37	0.00
Sulfur, Spectrometric		144.70	2	1.39	0.00
Sulfur, Other		144.99	7	1.38	0.03
Method Group 144.XX PCT			11	1.38	0.03
TOTAL SULFUR (S)					
Sulfur, Other		145.99	1	21.00	0.00
Method Group 145.XX PCT			1	21.00	0.00
TOTAL CADMIUM					
Total Cadmium, ICP		181.30	3	146	1.3
Method Group 181.XX PPM			3	146	1.6
ALUMINUM AS Al₂O₃					
ICP, %			10	1.74	0.02
Water Soluble Chlorine, Other, %		190.99	1	1.69	0.00
Method Group 190.XX PCT			11	1.74	0.05
TOTAL CHROMIUM					
Total Chromium, ICP		191.30	4	573	4.2
Method Group 191.XX PPM			4	573	5.1
ACID SOLUBLE COBALT					
Acid Soluble Cobalt, ICP		202.30	3	4	0.0
Method Group 202.XX PPM			3	4	0.0
ACID SOLUBLE COPPER					
Acid Soluble Copper, ICP		221.30	3	67	1.6
Method Group 221.XX PPM			3	67	1.9

ACID SOLUBLE IRON AS Fe₂O₃

Acid Soluble Iron, ICP	241.30	11	1.14	0.03
Method Group 241.XX PCT		11	1.14	0.03

TOTAL LEAD

Total Lead, ICP	251.30	2	3	0.0
Method Group 251.XX PPM		2	3	0.0

ACID SOLUBLE MANGANESE

Acid Soluble Manganese, ICP	972.02a 261.30	2	184	0.6
Acid Soluble Manganese, Other	261.99	2	178	0.0
Method Group 261.XX PPM		4	180	5.4

TOTAL MOLYBDENUM

Total Molybdenum, ICP	289.30	3	13	0.8
Method Group 289.XX PPM		3	13	0.9

TOTAL NICKEL

Total Nickel, ICP	291.30	3	243	6.6
Method Group 291.XX PPM		3	243	8.1

SODIUM AS Na₂O

Sodium, Atomic Absorbtion	983.04 311.00	1	0.10	0.00
Sodium, Other	311.99	5	0.10	0.01
Method Group 311.XX PCT		6	0.10	0.01

ACID SOLUBLE ZINC

Acid Soluble Zinc, ICP	321.30	3	1788.0	57.1
Method Group 321.XX PPM		3	1788.0	69.5

FLUORIDE

Volumetric	325.10	9	1.35	0.05
Distilled/Electrode	325.99	2	1.24	0.00
Method Group 325.XX PCT		11	1.33	0.12