

AFPC

Sample

2010-12

Grade

10-50-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
AMMONIACAL NITROGEN					
Ammoniacal Nitrogen, MgO distillation	920.03	001.10	1	10.51	0.00
Ammoniacal Nitrogen, Other		001.99	9	10.36	0.04
Method Group 001.XX PCT			10	10.37	0.05
TOTAL NITROGEN					
Total Nitrogen, Combustion	993.13	010.60	7	10.45	0.10
Total Nitrogen, Other		010.99	1	10.52	0.00
Method Group 010.XX PCT			8	10.47	0.13
TOTAL PHOSPHATE					
Total Phosphate, Spectrometric	978.02	020.20	13	49.54	0.14
Method Group 020.XX PCT			13	49.54	0.17
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	11	0.07	0.04
Insoluble Phosphate, Alka. Quimociac	963.03C(c)	030.30	1	0.02	0.00
Insoluble Phosphate, Automated	978.01	030.40	1	0.02	0.00
Method Group 030.XX PCT			13	0.06	0.06
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	11	49.48	0.37
Indirect Available Phosphate, Other		040.99	1	49.56	0.00
Method Group 040.XX PCT			12	49.49	0.33
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	12	43.86	0.44
Water Soluble Phosphate, Other		048.99	1	43.67	0.00
Method Group 048.XX PCT			13	43.82	0.44
SOLUBLE POTASH AS K₂O					
Soluble Potash, ICP(Oxalate)		050.50	2	0.19	0.00
Soluble Potash, Other		050.99	4	0.18	0.02
Method Group 050.XX PCT			6	0.19	0.01

FREE WATER

Free Water, Vacuum Oven	965.08B	060.00	11	0.82	0.05
Free Water, Vacuum Desiccate	965.08A	060.10	2	0.97	0.08
Method Group 060.XX PCT			13	0.84	0.05

ACID SOLUBLE CALCIUM AS CaO

Acid Soluble Calcium, ICP		101.30	12	1.77	0.13
Method Group 101.XX PCT			12	1.77	0.15

ACID SOLUBLE MAGNESIUM AS MgO

Acid Soluble Magnesium, ICP		121.30	12	1.78	0.09
Method Group 121.XX PCT			12	1.78	0.11

SULFATE SULFUR (S)

Sulfur, Gravimetric	980.02(a)	144.01	2	1.72	0.02
Sulfur, Spectrometric		144.70	2	1.74	0.00
Sulfur, Other		144.99	8	1.70	0.05
Method Group 144.XX PCT			12	1.72	0.05

TOTAL ARSENIC

Total Arsenic, ICP	980.02(b)	151.02	3	6	1.8
Method Group 151.XX PPM			3	6	2.2

ACID SOLUBLE BORON

Acid Soluble Boron, Other		165.99	1	29	0.0
Method Group 165.XX PPM			1	29	0.0

TOTAL CADMIUM

Total Cadmium, ICP		181.30	3	2	1.5
Total Cadmium, Other		181.99	1	6	0.0
Method Group 181.XX PPM			4	4	3.2

ALUMINUM AS Al₂O₃

ICP, %			11	2.85	0.05
Water Soluble Chlorine, Other, %		190.99	1	2.99	0.00
Method Group 190.XX PCT			12	2.86	0.08

TOTAL CHROMIUM

Total Chromium, ICP		191.30	4	95	5.1
Total Chromium, Other		191.99	1	91	0.0
Method Group 191.XX PPM			5	94	4.5

ACID SOLUBLE COBALT

Acid Soluble Cobalt, ICP	202.30	2	3	0.2
Acid Soluble Cobalt, Other	202.99	1	3	0.0
Method Group 202.XX PPM		3	3	0.2

ACID SOLUBLE COPPER

Acid Soluble Copper, ICP	221.30	2	0	0.1
Acid Soluble Copper, Other	221.99	1	0	0.0
Method Group 221.XX PPM		3	0	0.3

ACID SOLUBLE IRON AS Fe₂O₃

Acid Soluble Iron, ICP	241.30	12	1.82	0.03
Method Group 241.XX PCT		12	1.82	0.03

TOTAL LEAD

Total Lead, ICP	251.30	2	8	0.9
Total Lead, Other	251.99	1	9	0.0
Method Group 251.XX PPM		3	9	1.1

ACID SOLUBLE MANGANESE

Acid Soluble Manganese, ICP	972.02a 261.30	2	387	44.4
Acid Soluble Manganese, Other	261.99	3	399	6.7
Method Group 261.XX PPM		5	399	16.4

TOTAL MOLYBDENUM

Total Molybdenum, ICP	289.30	2	17	0.4
Total Molybdenum, Other	289.99	1	18	0.0
Method Group 289.XX PPM		3	17	0.7

TOTAL NICKEL

Total Nickel, ICP	291.30	2	14	0.4
Total Nickel, Other	291.99	1	15	0.0
Method Group 291.XX PPM		3	14	0.9

TOTAL SELENIUM

Total Selenium, ICP	301.30	1	1	0.0
Method Group 301.XX PPM		1	1	0.0

SODIUM AS Na₂O

Sodium, Atomic Absorbtion	983.04 311.00	1	0.40	0.00
Sodium, Other	311.99	5	0.40	0.00

Method Group 311.XX PCT		6	0.40	0.00
ACID SOLUBLE ZINC				
Acid Soluble Zinc, ICP	321.30	3	35.0	6.0
Method Group 321.XX %		3	35.0	7.3
FLUORIDE				
Volumetric	325.10	9	3.61	0.26
Distilled/Electrode	325.99	3	3.74	0.50
Method Group 325.XX PCT		12	3.62	0.55