

AFPC

Sample

2010-05

Grade

18-46-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
AMMONIACAL NITROGEN					
Ammoniacal Nitrogen, Other		001.99	9	17.63	0.07
Method Group 001.XX PCT			9	17.63	0.08
TOTAL NITROGEN					
Total Nitrogen, Combustion	993.13	010.60	7	17.72	0.07
Total Nitrogen, Other		010.99	2	17.81	0.03
Method Group 010.XX PCT			9	17.75	0.11
TOTAL PHOSPHATE					
Total Phosphate, Spectrometric	978.02	020.20	12	46.38	0.04
Total Phosphate, ICP, Lithium	970.02	020.50	1	46.37	0.00
Method Group 020.XX PCT			13	46.38	0.04
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	10	0.10	0.03
Insoluble Phosphate, Automated	978.01	030.40	1	0.12	0.00
Insoluble Phosphate, ICP		030.50	1	0.06	0.00
Method Group 030.XX PCT			12	0.10	0.04
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	9	46.29	0.06
Indirect Available Phosphate, ICP		040.50	1	46.36	0.00
Indirect Available Phosphate, Other		040.99	1	46.19	0.00
Method Group 040.XX PCT			11	46.29	0.08
DIRECT AVAILABLE PHOSPHATE					
Direct Available Phosphate, EDTA Extract	993.01	041.60	1	41.49	0.00
Method Group 041.XX PCT			1	41.49	0.00
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	10	42.17	0.54
Water Soluble Phosphate, Other		048.99	2	42.11	0.05
Method Group 048.XX PCT			12	42.11	0.59

SOLUBLE POTASH AS K₂O

Soluble Potash, ICP(Oxalate)	050.50	2	0.14	0.00
Soluble Potash, Other	050.99	4	0.15	0.01
Method Group 050.XX PCT		6	0.14	0.01

FREE WATER

Free Water, Vacuum Oven	965.08B	060.00	10	2.27	0.09
Free Water, Vacuum Desiccate	965.08A	060.10	2	2.16	0.01
Method Group 060.XX PCT			12	2.26	0.12

ACID SOLUBLE CALCIUM AS CaO

Acid Soluble Calcium, ICP	101.30	12	0.37	0.01
Method Group 101.XX PCT		12	0.37	0.02

ACID SOLUBLE MAGNESIUM AS MgO

Acid Soluble Magnesium, ICP	121.30	12	0.88	0.03
Method Group 121.XX PCT		12	0.88	0.04

SULFATE SULFUR (S)

Sulfur, Gravimetric	980.02(a)	144.01	2	1.52	0.01
Sulfur, Spectrometric		144.70	2	1.49	0.00
Sulfur, Other		144.99	8	1.49	0.02
Method Group 144.XX PCT			12	1.50	0.01

TOTAL ARSENIC

Total Arsenic, ICP	980.02(b)	151.02	3	5	2.3
Method Group 151.XX PPM			3	5	2.8

ACID SOLUBLE BORON

Acid Soluble Boron, Other	165.99	1	40	0.0
Method Group 165.XX PPM		1	40	0.0

TOTAL CADMIUM

Total Cadmium, ICP	181.30	4	4	0.4
Total Cadmium, Other	181.99	1	4	0.0
Method Group 181.XX PPM		5	4	0.2

ALUMINUM AS Al₂O₃

ICP, %			12	1.51	0.05
Method Group 190.XX PCT			12	1.51	0.06

TOTAL CHROMIUM

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Total Chromium, ICP		191.30	4	76	1.8
Total Chromium, Other		191.99	1	73	0.0
Method Group 191.XX PPM			5	76	2.5
ACID SOLUBLE COBALT					
Acid Soluble Cobalt, ICP		202.30	3	3	0.0
Acid Soluble Cobalt, Other		202.99	1	3	0.0
Method Group 202.XX PPM			4	3	0.1
ACID SOLUBLE COPPER					
Acid Soluble Copper, ICP		221.30	2	2	0.4
Method Group 221.XX PPM			2	2	0.5
ACID SOLUBLE IRON AS Fe₂O₃					
Acid Soluble Iron, ICP		241.30	12	1.54	0.03
Method Group 241.XX PCT			12	1.54	0.03
TOTAL LEAD					
Total Lead, ICP		251.30	2	1	0.2
Total Lead, Other		251.99	1	1	0.0
Method Group 251.XX PPM			3	1	0.2
ACID SOLUBLE MANGANESE					
Acid Soluble Manganese, ICP	972.02a	261.30	2	347	1.1
Acid Soluble Manganese, Other		261.99	3	325	5.4
Method Group 261.XX PPM			5	332	18.6
TOTAL MOLYBDENUM					
Total Molybdenum, ICP		289.30	3	12	0.2
Total Molybdenum, Other		289.99	1	12	0.0
Method Group 289.XX PPM			4	12	0.2
TOTAL NICKEL					
Total Nickel, ICP		291.30	3	15	0.1
Total Nickel, Other		291.99	1	16	0.0
Method Group 291.XX PPM			4	15	0.5
SODIUM AS Na₂O					
Sodium, Atomic Absorbtion	983.04	311.00	1	0.22	0.00
Sodium, Other		311.99	5	0.22	0.01
Method Group 311.XX PCT			6	0.22	0.01

ACID SOLUBLE ZINC

Acid Soluble Zinc, ICP	321.30	3	63.5	1.3
Method Group 321.XX %		3	63.5	1.5

FLUORIDE

Volumetric	325.10	9	2.14	0.04
Distilled/Electrode	325.99	3	2.20	0.19
Method Group 325.XX PCT		12	2.14	0.09
