

AFPC

Sample

2011-07

Grade

10-50-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
AMMONIACAL NITROGEN					
Ammoniacal Nitrogen, MgO distillation	920.03	001.10	1	10.34	0.00
Ammoniacal Nitrogen, Other		001.99	6	10.34	0.04
Method Group 001.XX PCT			7	10.34	0.04
TOTAL NITROGEN					
Total Nitrogen, Combustion	993.13	010.60	8	10.30	0.03
Method Group 010.XX PCT			8	10.30	0.04
TOTAL PHOSPHATE					
Total Phosphate, Spectrometric	978.02	020.20	11	50.42	0.15
Total Phosphate, ICP	970.03	020.40	1	50.53	0.00
Method Group 020.XX PCT			12	50.45	0.17
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	9	0.38	0.10
Insoluble Phosphate, Alka. Quimociac	963.03C(c)	030.30	1	0.74	0.00
Insoluble Phosphate, Automated	978.01	030.40	1	0.39	0.00
Method Group 030.XX PCT			11	0.38	0.10
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	10	50.05	0.26
Indirect Available Phosphate, Automated	960.02	040.40	1	50.10	0.00
Method Group 040.XX PCT			11	50.10	0.28
DIRECT AVAILABLE PHOSPHATE					
Direct Available Phosphate, EDTA Extract	993.01	041.60	1	50.99	0.00
Method Group 041.XX PCT			1	50.99	0.00
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	11	42.50	0.15
Method Group 048.XX PCT			11	42.50	0.18
SOLUBLE POTASH AS K₂O					
Soluble Potash, ICP(Oxalate)		050.50	2	0.31	0.00

Soluble Potash, Other	050.99	4	0.28	0.03
Method Group 050.XX PCT		6	0.30	0.03

FREE WATER

Free Water, Vacuum Oven	965.08B	060.00	9	1.95	0.19
Free Water, Vacuum Desiccate	965.08A	060.10	2	1.74	0.09
Method Group 060.XX PCT			11	1.89	0.26

ACID SOLUBLE CALCIUM AS CaO

Acid Soluble Calcium, ICP	101.30		10	1.37	0.03
Method Group 101.XX PCT			10	1.37	0.04

ACID SOLUBLE MAGNESIUM AS MgO

Acid Soluble Magnesium, ICP	121.30		10	1.62	0.04
Method Group 121.XX PCT			10	1.62	0.05

SULFATE SULFUR (S)

Sulfur, Gravimetric	980.02(a)	144.01	2	1.41	0.01
Sulfur, Spectrometric		144.70	2	1.51	0.00
Sulfur, Other		144.99	5	1.51	0.03
Method Group 144.XX PCT			9	1.51	0.04

TOTAL ARSENIC

Total Arsenic, ICP	980.02(b)	151.02	3	2	5.2
Method Group 151.XX PPM			3	2	6.4

ACID SOLUBLE BORON

Acid Soluble Boron, Other	165.99		1	44	0.0
Method Group 165.XX PPM			1	44	0.0

TOTAL CADMIUM

Total Cadmium, ICP	181.30		3	3	0.3
Total Cadmium, Other	181.99		1	3	0.0
Method Group 181.XX PPM			4	3	0.3

ALUMINUM AS Al₂O₃

ICP, %			9	1.49	0.04
Water Soluble Chlorine, Other, %	190.99		1	1.46	0.00
Method Group 190.XX PCT			10	1.49	0.05

TOTAL CHROMIUM

Total Chromium, ICP	191.30		4	125	2.6
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Total Chromium, Other		191.99	1	106	0.0
Method Group 191.XX PPM			5	123	4.1
ACID SOLUBLE COBALT					
Acid Soluble Cobalt, ICP		202.30	2	4	0.0
Acid Soluble Cobalt, Other		202.99	1	3	0.0
Method Group 202.XX PPM			3	4	0.3
ACID SOLUBLE COPPER					
Acid Soluble Copper, ICP		221.30	2	5	0.7
Acid Soluble Copper, Other		221.99	1	0	0.0
Method Group 221.XX PPM			3	4	2.2
ACID SOLUBLE IRON AS Fe₂O₃					
Acid Soluble Iron, ICP		241.30	10	3.44	0.03
Method Group 241.XX PCT			10	3.44	0.03
TOTAL LEAD					
Total Lead, ICP		251.30	2	6	0.0
Total Lead, Other		251.99	1	6	0.0
Method Group 251.XX PPM			3	6	0.2
ACID SOLUBLE MANGANESE					
Acid Soluble Manganese, ICP	972.02a	261.30	2	270	1.9
Acid Soluble Manganese, Other		261.99	3	267	1.1
Method Group 261.XX PPM			5	268	1.8
TOTAL MOLYBDENUM					
Total Molybdenum, ICP		289.30	2	10	1.1
Total Molybdenum, Other		289.99	1	12	0.0
Method Group 289.XX PPM			3	12	1.4
TOTAL NICKEL					
Total Nickel, ICP		291.30	3	16	0.2
Total Nickel, Other		291.99	1	16	0.0
Method Group 291.XX PPM			4	16	0.2
TOTAL SELENIUM					
Total Selenium, ICP		301.30	1		0.0
Method Group 301.XX PPM			1	0	0.0
SODIUM AS Na₂O					

Sodium, Atomic Absorbtion	983.04	311.00	1	0.41	0.00
Sodium, Other		311.99	5	0.40	0.02
Method Group 311.XX PCT			6	0.40	0.02
ACID SOLUBLE ZINC					
Acid Soluble Zinc, ICP		321.30	4	39.25	4.24
Method Group 321.XX %			4	39.25	5.16
FLUORIDE					
Volumetric		325.10	6	2.39	0.12
Electrode	AFPC	325.30	1	2.40	0.00
Distilled/Electrode		325.99	3	2.34	0.02
Method Group 325.XX PCT			10	2.35	0.13