

AFPC

Sample

2007-12

Grade

11-52-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
AMMONIACAL NITROGEN					
Ammoniacal Nitrogen, MgO distillation	920.03	001.10	1	10.17	0.00
Ammoniacal Nitrogen, Other		001.99	7	10.17	0.09
Method Group 001.XX PCT			8	10.17	0.11
TOTAL NITROGEN					
Total Nitrogen, Reduced Iron		010.10	1	10.34	0.00
Total Nitrogen, Modified Comprehensive	978.02	010.11	2	10.16	0.00
Total Nitrogen, Salicylic	955.04d	010.12	1	10.02	0.00
Total Nitrogen, Combustion	993.13	010.60	25	10.10	0.15
Total Nitrogen, Other		010.99	1	10.73	0.00
Method Group 010.XX PCT			30	10.13	0.19
TOTAL PHOSPHATE					
Total Phosphate, Gravimetric Quimociac		020.10	3	51.33	0.56
Total Phosphate, Spectrometric	978.02	020.20	15	50.69	0.34
Total Phosphate, Automated	970.03	020.40	6	50.78	0.18
Method Group 020.XX PCT			24	50.71	0.32
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	9	0.03	0.01
Insoluble Phosphate, Automated	978.01	030.40	4	0.02	0.01
Insoluble Phosphate, ICP		030.50	2	0.04	0.00
Method Group 030.XX PCT			15	0.03	0.01
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	10	50.60	0.28
Indirect Available Phosphate, Automated	960.02	040.40	5	50.67	0.22
Indirect Available Phosphate, Other		040.99	2	50.81	0.18
Method Group 040.XX PCT			17	50.66	0.31
DIRECT AVAILABLE PHOSPHATE					
Direct Available Phosphate, Gravimetric Quimociac	960.03E	041.10	5	50.87	0.12

Direct Available Phosphate, Automated	978.01	041.40	2	51.62	0.57
Direct Available Phosphate, ICP		041.50	4	50.78	1.30
Direct Available Phosphate, EDTA Extract	993.01	041.60	2	50.90	0.17
Method Group 041.XX PCT			13	50.87	0.60
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	9	46.72	0.29
Water Soluble Phosphate, Other		048.99	6	46.93	0.31
Method Group 048.XX PCT			15	46.76	0.27
SOLUBLE POTASH AS K₂O					
Soluble Potash, Atomic Absorption(Oxalate)		050.30	1	2.54	0.00
Soluble Potash, ICP(Citrate)		050.51	1	0.21	0.00
Soluble Potash, Other		050.99	9	0.19	0.01
Method Group 050.XX PCT			11	0.20	0.02
FREE WATER					
Free Water, Vacuum Oven	965.08B	060.00	13	0.81	0.12
Free Water, Vacuum Desiccate	965.08A	060.10	2	0.67	0.08
Free Water, Other		060.99	1	0.62	0.00
Method Group 060.XX PCT			16	0.79	0.17
ACID SOLUBLE CALCIUM AS CaO					
Acid Soluble Calcium, ICP		101.30	18	1.79	0.10
Method Group 101.XX PCT			18	1.79	0.13
ACID SOLUBLE MAGNESIUM AS MgO					
Acid Soluble Magnesium, ICP		121.30	16	1.35	0.05
Method Group 121.XX PCT			16	1.35	0.06
SULFATE SULFUR (S)					
Sulfur, Gravimetric	980.02(a)	144.01	3	1.78	1.40
Sulfur, Gravimetric	980.02(b)	144.02	1	1.93	0.00
Sulfur, Other		144.99	15	1.87	0.05
Method Group 144.XX PCT			19	1.87	0.11
TOTAL ARSENIC					
Total Arsenic, ICP	980.02(b)	151.02	5	14	0.5
Total Arsenic, Other		151.99	3	13	1.3
Method Group 151.XX PPM			8	14	2.1

ACID SOLUBLE BORON

Acid Soluble Boron, Other	165.99	4	156	263.9
Method Group 165.XX PPM		4	156	321.4

TOTAL CADMIUM

Total Cadmium, ICP	181.30	9	4	0.4
Total Cadmium, Other	181.99	1	4	0.0
Method Group 181.XX PPM		10	4	0.5

ALUMINUM AS Al₂O₃

ICP, %		13	2.28	0.09
Water Soluble Chlorine, Other, %	190.99	2	2.14	0.05
Method Group 190.XX PCT		15	2.28	0.11

TOTAL CHROMIUM

Total Chromium, ICP	191.30	9	84	7.1
Total Chromium, Other	191.99	1	87	0.0
Method Group 191.XX PPM		10	84	7.9

ACID SOLUBLE COBALT

Acid Soluble Cobalt, ICP	202.30	9	3	0.6
Acid Soluble Cobalt, Other	202.99	1	3	0.0
Method Group 202.XX PPM		10	3	0.6

ACID SOLUBLE COPPER

Acid Soluble Copper, ICP	221.30	4	3	3.0
Acid Soluble Copper, Other	221.99	1	0	0.0
Method Group 221.XX PPM		5	2	2.6

ACID SOLUBLE IRON AS Fe₂O₃

Acid Soluble Iron, ICP	241.30	18	1.50	0.06
Method Group 241.XX PCT		18	1.50	0.07

TOTAL LEAD

Total Lead, ICP	251.30	8	6	2.3
Total Lead, Other	251.99	2	7	0.2
Method Group 251.XX PPM		10	7	1.5

ACID SOLUBLE MANGANESE

Acid Soluble Manganese, ICP	972.02a 261.30	7	335	24.8
Acid Soluble Manganese, Other	261.99	3	332	13.2

Method Group 261.XX PPM			10	333	19.9
WATER SOLUBLE MANGANESE					
Method Group 271.XX PCT			1	0.04	0
TOTAL MOLYBDENUM					
Total Molybdenum, ICP	289.30		9	15	1.2
Total Molybdenum, Other	289.99		1	17	0.0
Method Group 289.XX PPM			10	15	1.5
TOTAL NICKEL					
Total Nickel, ICP	291.30		9	14	2.2
Total Nickel, Other	291.99		1	16	0.0
Method Group 291.XX PPM			10	14	3.1
TOTAL SELENIUM					
Total Selenium, ICP	301.30		2	<1	0.3
Method Group 301.XX PPM			2	0	0.3
SODIUM AS Na₂O					
Sodium, Atomic Absorbtion	983.04	311.00	1	0.53	0.00
Sodium, Other		311.99	9	0.46	0.02
Method Group 311.XX PCT			10	0.47	0.03
ACID SOLUBLE ZINC					
Acid Soluble Zinc, ICP		321.30	6	60	4.8
Method Group 321.XX PPM			6	60	5.8
FLUORIDE					
Volumetric		325.10	10	2.93	0.21
Distilled/Electrode		325.99	2	2.97	0.05
Method Group 325.XX PCT			12	2.93	0.19