

AFPC

Sample

2012-10

Grade

11-52-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
AMMONIACAL NITROGEN					
Ammoniacal Nitrogen, MgO distillation	920.03	001.10	1	10.32	0.00
Ammoniacal Nitrogen, Other		001.99	13	10.31	0.07
Method Group 001.XX PCT			14	10.31	0.09
TOTAL NITROGEN					
Total Nitrogen, Modified Comprehensive	978.02	010.11	3	10.32	0.01
Total Nitrogen, Combustion	993.13	010.60	25	10.34	0.08
Total Nitrogen, Other		010.99	3	10.21	0.04
Method Group 010.XX PCT			31	10.33	0.10
TOTAL PHOSPHATE					
Total Phosphate, Gravimetric Quimociac		020.10	3	51.45	0.30
Total Phosphate, Spectrometric	978.02	020.20	24	51.43	0.19
Total Phosphate, ICP	970.03	020.40	1	51.35	0.00
Method Group 020.XX PCT			28	51.43	0.23
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	12	0.40	0.26
Insoluble Phosphate, Alka. Quimociac	963.03C(c)	030.30	1	0.10	0.00
Insoluble Phosphate, Automated	978.01	030.40	2	0.67	0.01
Insoluble Phosphate, Other		030.99	2	0.96	0.02
Method Group 030.XX PCT			17	0.48	0.31
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	13	51.16	0.52
Indirect Available Phosphate, Other		040.99	2	50.79	0.11
Method Group 040.XX PCT			15	51.10	0.62
DIRECT AVAILABLE PHOSPHATE					
Direct Available Phosphate, Gravimetric Quimociac	960.03E	041.10	3	50.56	1.22
Direct Available Phosphate, Automated	978.01	041.40	3	51.72	0.60
Direct Available Phosphate, ICP		041.50	5	51.16	2.78

Direct Available Phosphate, EDTA Extract	993.01	041.60	4	50.57	0.57
Direct Available Phosphate, Other		041.99	1	51.92	0.00
Method Group 041.XX PCT			16	51.10	1.40
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	15	43.34	0.19
Water Soluble Phosphate, Other		048.99	4	43.43	0.31
Method Group 048.XX PCT			19	43.34	0.25
SOLUBLE POTASH AS K₂O					
Soluble Potash, Atomic Absorption(Oxalate)		050.30	1	1.18	0.00
Soluble Potash, ICP(Oxalate)		050.50	2	0.34	0.00
Soluble Potash, Other		050.99	8	0.31	0.02
Method Group 050.XX PCT			11	0.32	0.03
FREE WATER					
Free Water, Vacuum Oven	965.08B	060.00	15	1.58	0.15
Free Water, Vacuum Desiccate	965.08A	060.10	2	1.64	0.08
Free Water, Other		060.99	2	1.38	0.03
Method Group 060.XX PCT			19	1.57	0.21
ACID SOLUBLE CALCIUM AS CaO					
Acid Soluble Calcium, ICP		101.30	19	0.85	0.06
Method Group 101.XX PCT			19	0.85	0.07
ACID SOLUBLE MAGNESIUM AS MgO					
Acid Soluble Magnesium, ICP		121.30	19	1.55	0.09
Method Group 121.XX PCT			19	1.55	0.10
SULFATE SULFUR (S)					
Sulfur, Gravimetric	980.02(a)	144.01	4	1.36	0.11
Sulfur, Spectrometric		144.70	2	1.33	0.01
Sulfur, Other		144.99	10	1.35	0.05
Method Group 144.XX PCT			16	1.35	0.09
TOTAL SULFUR (S)					
Sulfur, Other		145.99	3	1.41	0.03
Method Group 145.XX PCT			3	1.41	0.04
TOTAL ARSENIC					
Total Arsenic, ICP	980.02(b)	151.02	7	17	1.3

Total Arsenic, Other	151.99	1	1	0.0
Method Group 151.XX PPM		8	16	1.7
ACID SOLUBLE BORON				
Acid Soluble Boron, Other	165.99	2	55	2.4
Method Group 165.XX PPM		2	55	3.0
TOTAL CADMIUM				
Total Cadmium, ICP	181.30	8	3	0.2
Total Cadmium, Other	181.99	1	4	0.0
Method Group 181.XX PPM		9	3	0.2
ALUMINUM AS Al₂O₃				
ICP, %		16	1.49	0.06
Water Soluble Chlorine, Other, %	190.99	1	1.50	0.00
Method Group 190.XX PCT		17	1.50	0.07
TOTAL CHROMIUM				
Total Chromium, ICP	191.30	8	127	4.6
Total Chromium, Other	191.99	1	134	0.0
Method Group 191.XX PPM		9	128	10.0
ACID SOLUBLE COBALT				
Acid Soluble Cobalt, ICP	202.30	7	4	0.1
Acid Soluble Cobalt, Other	202.99	1	4	0.0
Method Group 202.XX PPM		8	4	0.2
ACID SOLUBLE COPPER				
Acid Soluble Copper, ICP	221.30	5	1	0.2
Method Group 221.XX PPM		5	1	0.2
ACID SOLUBLE IRON AS Fe₂O₃				
Acid Soluble Iron, ICP	241.30	19	3.55	0.08
Method Group 241.XX PCT		19	3.55	0.10
TOTAL LEAD				
Total Lead, ICP	251.30	7	4	0.7
Total Lead, Other	251.99	1	2	0.0
Method Group 251.XX PPM		8	3	1.0
ACID SOLUBLE MANGANESE				
Acid Soluble Manganese, ICP	972.02a 261.30	6	253	4.9

Acid Soluble Manganese, Other	261.99	5	257	23.5
Method Group 261.XX PPM		11	256	10.0
TOTAL MERCURY				
Total Mercury, Other	281.99	1	0	0.00
Method Group 281.XX PPM		1	0.00	0.00
TOTAL MOLYBDENUM				
Total Molybdenum, ICP	289.30	7	12	0.9
Total Molybdenum, Other	289.99	1	13	0.0
Method Group 289.XX PPM		8	12	1.2
TOTAL NICKEL				
Total Nickel, ICP	291.30	7	17	1.4
Total Nickel, Other	291.99	1	18	0.0
Method Group 291.XX PPM		8	17	1.9
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	0.32	0.00
Sodium, Other	311.99	8	0.34	0.03
Method Group 311.XX PCT		9	0.33	0.03
ACID SOLUBLE ZINC				
Acid Soluble Zinc, ICP	321.30	9	44.5	7.2
Method Group 321.XX %		9	44.5	8.7
FLUORIDE				
Volumetric	325.10	12	2.20	0.07
Distilled/Electrode	325.99	2	2.30	0.01
Method Group 325.XX PCT		14	2.22	0.09