

AFPC

Sample

2011-05

Grade

18-46-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
AMMONIACAL NITROGEN					
Ammoniacal Nitrogen, Other		001.99	7	17.80	0.07
Method Group 001.XX PCT			7	17.80	0.09
TOTAL NITROGEN					
Total Nitrogen, Combustion	993.13	010.60	6	17.99	0.07
Total Nitrogen, Other		010.99	1	17.89	0.00
Method Group 010.XX PCT			7	17.98	0.10
TOTAL PHOSPHATE					
Total Phosphate, Spectrometric	978.02	020.20	11	46.44	0.12
Total Phosphate, ICP	970.03	020.40	1	46.32	0.00
Method Group 020.XX PCT			12	46.43	0.14
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	10	0.10	0.05
Insoluble Phosphate, Automated	978.01	030.40	1	0.09	0.00
Method Group 030.XX PCT			11	0.10	0.06
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	9	46.32	0.24
Indirect Available Phosphate, Automated	960.02	040.40	1	46.21	0.00
Method Group 040.XX PCT			10	46.30	0.25
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	11	42.32	0.16
Method Group 048.XX PCT			11	42.32	0.20
SOLUBLE POTASH AS K₂O					
Soluble Potash, ICP(Oxalate)		050.50	2	0.14	0.00
Soluble Potash, Other		050.99	4	0.16	0.01
Method Group 050.XX PCT			6	0.15	0.02
FREE WATER					
Free Water, Vacuum Oven AFPC Check Sample 05-2011	965.08B	060.00	9	2.06	0.10

Free Water, Vacuum Desiccate	965.08A	060.10	2	3.68	0.06
Method Group 060.XX PCT			11	2.06	0.13
ACID SOLUBLE CALCIUM AS CaO					
Acid Soluble Calcium, ICP		101.30	10	0.34	0.02
Method Group 101.XX PCT			10	0.34	0.03
ACID SOLUBLE MAGNESIUM AS MgO					
Acid Soluble Magnesium, ICP		121.30	10	0.89	0.03
Method Group 121.XX PCT			10	0.89	0.03
SULFATE SULFUR (S)					
Sulfur, Gravimetric	980.02(a)	144.01	2	1.39	0.00
Sulfur, Spectrometric		144.70	2	1.50	0.00
Sulfur, Other		144.99	6	1.53	0.90
Method Group 144.XX PCT			10	1.51	0.02
TOTAL ARSENIC					
Total Arsenic, ICP	980.02(b)	151.02	4	6	6.0
Method Group 151.XX PPM			4	6	7.3
ACID SOLUBLE BORON					
Acid Soluble Boron, Other		165.99	1	36	0.0
Method Group 165.XX PPM			1	36	0.0
TOTAL CADMIUM					
Total Cadmium, ICP		181.30	3	4	0.4
Total Cadmium, Other		181.99	1	4	0.0
Method Group 181.XX PPM			4	4	0.3
ALUMINUM AS Al₂O₃					
ICP, %			10	1.52	0.01
Method Group 190.XX PCT			10	1.52	0.02
TOTAL CHROMIUM					
Total Chromium, ICP		191.30	3	83	0.9
Total Chromium, Other		191.99	1	70	0.0
Method Group 191.XX PPM			4	83	3.8
ACID SOLUBLE COBALT					
Acid Soluble Cobalt, ICP		202.30	2	3	0.0
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	4	0.4
Acid Soluble Copper, Other	221.99		1	0	0.0
Method Group 221.XX PPM			3	3	0.5
ACID SOLUBLE IRON AS Fe₂O₃					
Acid Soluble Iron, ICP	241.30		10	1.39	0.03
Method Group 241.XX PCT			10	1.39	0.03
TOTAL LEAD					
Total Lead, ICP	251.30		2	2	0.2
Total Lead, Other	251.99		1	2	0.0
Method Group 251.XX PPM			3	2	0.3
ACID SOLUBLE MANGANESE					
Acid Soluble Manganese, ICP	972.02a 261.30		1	334	0.0
Acid Soluble Manganese, Other	261.99		3	333	17.4
Method Group 261.XX PPM			4	334	11.3
TOTAL MOLYBDENUM					
Total Molybdenum, ICP	289.30		2	12	0.2
Total Molybdenum, Other	289.99		1	13	0.0
Method Group 289.XX PPM			3	13	0.4
TOTAL NICKEL					
Total Nickel, ICP	291.30		3	14	0.2
Total Nickel, Other	291.99		1	10	0.0
Method Group 291.XX PPM			4	14	1.0
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	0.23	0.00
Sodium, Other	311.99		5	0.22	0.02
Method Group 311.XX PCT			6	0.23	0.02
ACID SOLUBLE ZINC					
Acid Soluble Zinc, ICP	321.30		4	59.50	3.69

Method Group 321.XX %			4	59.50	4.50
FLUORIDE					
Volumetric		325.10	6	2.12	0.10
Electrode	AFPC	325.30	1	2.10	0.00
Distilled/Electrode		325.99	3	2.05	0.10
Method Group 325.XX PCT			10	2.11	0.14