

AFPC

Sample

2009-08Feed Grade

FEED

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
TOTAL NITROGEN					
Total Nitrogen, Combustion	993.13	010.60	2	0.02	0.01
Method Group 010.XX PCT			2	0.02	0.01
TOTAL PHOSPHATE as P					
Total Phosphate, Gravimetric Quimociac		020.10	1	18.66	0.00
Total Phosphate, Spectrometric/Auto	978.02	020.20	15	18.60	0.10
Total Phosphate, Alka. Quimociac	962.02	020.30	1	18.55	0.00
Total Phosphate, ICP		020.40	5	18.63	0.43
Total Phosphate, ICP (New Lithium Method)		020.50	2	18.62	0.28
Method Group 020.XX PCT			24	18.61	0.14
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	2	9.43	0.03
Method Group 030.XX PCT			2	9.43	0.04
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	2	9.19	0.01
Indirect Available Phosphate, Other		040.99	1	18.36	0.00
Method Group 040.XX PCT			3	9.20	4.17
DIRECT AVAILABLE PHOSPHATE as P					
Direct Available Phosphate, Gravimetric Quimociac	960.03E	041.10	2	19.79	0.04
Direct Available Phosphate, ICP	978.01	041.40	2	24.04	1.61
Direct Available Phosphate, ICP		041.50	1	20.35	0.00
Direct Available Phosphate, EDTA Extract	993.01	041.60	1	32.63	0.00
Method Group 041.XX PCT			6	21.12	4.68
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	3	0.62	0.15
Method Group 048.XX PCT			3	0.62	0.18
SOLUBLE POTASH AS K₂O					

Soluble Potash, Other		050.99	3	0.09	0.01
Method Group 050.XX PCT			3	0.09	0.02
FREE WATER					
Free Water, Vacuum Oven	965.08B	060.00	2	0.06	0.02
Free Water, Vacuum Desiccate	965.08A	060.10	2	0.03	0.01
Free Water, Other		060.99	4	0.22	0.02
Method Group 060.XX PCT			8	0.13	0.16
ACID SOLUBLE CALCIUM AS Ca					
Acid Soluble Calcium, ICP		101.30	13	30.44	0.25
Acid Soluble Calcium, Other		101.99	3	30.23	1.00
Method Group 101.XX PCT			16	30.43	0.39
ACID SOLUBLE MAGNESIUM AS Mg					
Acid Soluble Magnesium, ICP		121.30	12	0.63	0.02
Method Group 121.XX PCT			12	0.63	0.03
SULFATE SULFUR (S)					
Sulfur, Gravimetric	980.02(a)	144.01	1	0.08	0.00
Sulfur, Other		144.99	2	0.08	0.02
Method Group 144.XX PCT			3	0.08	0.02
TOTAL ARSENIC					
Total Arsenic, ICP	980.02(b)	151.02	1	0.5	0.0
Method Group 151.XX PPM			1	0.5	0.0
ACID SOLUBLE BORON					
Acid Soluble Boron, Other		165.99	2	19.1	0.5
Method Group 165.XX PPM			2	19.1	0.6
TOTAL CADMIUM					
Total Cadmium, Atomic Absorbtion		181.00	1	10.1	0.0
Total Cadmium, ICP		181.30	3	6.0	2.1
Total Cadmium, Other		181.99	1	7.3	0.0
Method Group 181.XX PPM			5	7.3	3.7
ALUMINUM AS Al					
ICP, %			6	0.26	0.03
Method Group 190.XX PCT			6	0.26	0.04
TOTAL CHROMIUM					

Total Chromium, ICP		191.30	3	127	17.9
Total Chromium, Other		191.99	4	0	24.3
Method Group 191.XX PPM			7	101	116.6
ACID SOLUBLE COBALT					
Acid Soluble Cobalt, ICP		202.30	4	1.1	1.4
Acid Soluble Cobalt, Other		202.99	1	1.8	0.0
Method Group 202.XX PPM			5	1.2	0.6
ACID SOLUBLE COPPER					
Acid Soluble Copper, ICP		221.30	3	12.5	1.9
Acid Soluble Copper, Other		221.99	1	7.9	0.0
Method Group 221.XX PPM			4	11.8	2.8
ACID SOLUBLE IRON AS Fe					
Acid Soluble Iron, Atomic Absorption	980.01	241.00	1	0.50	0.00
Acid Soluble Iron, ICP		241.30	7	0.51	0.02
Method Group 241.XX PCT			8	0.51	0.02
TOTAL LEAD					
Total Lead, ICP		251.30	2	22.8	15.3
Total Lead, Other		251.99	4	0.5	0.4
Method Group 251.XX PPM			6	1.4	1.7
ACID SOLUBLE MANGANESE					
Acid Soluble Manganese, ICP	972.02a	261.30	3	41.0	5.1
Acid Soluble Manganese, Other		261.99	1	43.8	0.0
Method Group 261.XX PPM			4	42.4	5.0
WATER SOLUBLE MANGANESE					
Method Group 271.XX PCT			1	0.04	0
TOTAL MERCURY					
Total Mercury, ICP		281.30	4	0.02	0.03
Method Group 281.XX PPM			4	0.02	0.04
TOTAL MOLYBDENUM					
Total Molybdenum, ICP		289.30	9	5.0	3.6
Total Molybdenum, Other		289.99	2	4.5	0.2
Method Group 289.XX PPM			11	4.9	2.6
TOTAL NICKEL					

Total Nickel, ICP		291.30	9	20.0	3.9
Total Nickel, Other		291.99	2	22.0	0.6
Method Group 291.XX PPM			11	20.5	4.6
TOTAL SELENIUM					
Total Selenium, ICP		301.30	6	<1	0.7
Total Selenium, Other		301.99	1	10.8	0.0
Method Group 301.XX PPM			7	<1	0.8
SODIUM AS Na					
Sodium, Atomic Absorbtion	983.04	311.00	2	6.20	0.04
Sodium, Other		311.99	12	5.89	0.19
Method Group 311.XX PCT			14	5.92	0.31
ACID SOLUBLE ZINC					
Acid Soluble Zinc, ICP		321.30	10	374.3	20.3
Acid Soluble Zinc, Other		321.99	7	6.1	212.4
Method Group 321.XX PPM			17	356.5	118.6
FLUORIDE					
Volumetric		325.10	19	0.12	0.02
Distilled/Electrode		325.99	2	0.08	0.03
Method Group 325.XX PCT All Methods			22	0.12	0.02