

AFPC

Sample

2011-08

Grade

FEED

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
TOTAL NITROGEN					
Total Nitrogen, Combustion	993.13	010.60	3	0.10	3.72
Method Group 010.XX PCT			3	0.10	4.53
TOTAL PHOSPHATE as P					
Total Phosphate, Gravimetric Quimociac		020.10	1	20.99	0.00
Total Phosphate, Spectrometric/Auto	978.02	020.20	11	20.91	0.09
Total Phosphate, Alka. Quimociac	962.02	020.30	1	21.15	0.00
Total Phosphate, ICP		020.40	5	20.93	0.08
Total Phosphate, Other		020.99	3	20.85	0.56
Method Group 020.XX PCT P			21	20.93	0.12
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	2	0.05	0.00
Method Group 030.XX PCT			2	0.05	0.00
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	2	20.87	0.03
Method Group 040.XX PCT P			2	20.87	0.04
DIRECT AVAILABLE PHOSPHATE as P					
Direct Available Phosphate, ICP	978.01	041.40	1	22.22	0.00
Direct Available Phosphate, ICP		041.50	1	20.91	0.00
Method Group 041.XX PCT P			2	21.57	0.60
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	2	16.71	0.01
Water Soluble Phosphate, Alka. Quimociac	964.04	048.30	1	16.83	0.00
Method Group 048.XX PCT P			3	16.73	0.06
SOLUBLE POTASH AS K₂O					
Soluble Potash, ICP(Citrate)		050.51	1	0.26	0.00
Soluble Potash, Other		050.99	3	0.10	0.01

Method Group 050.XX PCT			4	0.10	0.05
FREE WATER					
Free Water, Vacuum Oven	965.08B	060.00	3	1.82	0.16
Free Water, Vacuum Desiccate	965.08A	060.10	2	2.04	0.05
Free Water, Other		060.99	2	2.00	0.00
Method Group 060.XX PCT			7	1.97	0.16
ACID SOLUBLE CALCIUM AS Ca					
Acid Soluble Calcium, Atomic Absorption	945.04	101.00	1	15.33	0.00
Acid Soluble Calcium, ICP		101.30	14	16.09	0.24
Acid Soluble Calcium, Other		101.99	2	16.55	0.04
Method Group 101.XX PCT			17	16.14	0.35
ACID SOLUBLE MAGNESIUM AS Mg					
Acid Soluble Magnesium, Atomic Absorption	984.01	121.00	1	0.51	0.00
Acid Soluble Magnesium, ICP		121.30	11	0.52	0.01
Method Group 121.XX PCT			12	0.52	0.01
SULFATE SULFUR (S)					
Sulfur, Gravimetric	980.02(a)	144.01	1	0.95	0.00
Sulfur, Other		144.99	4	0.88	0.05
Method Group 144.XX PCT			5	0.89	0.06
TOTAL ARSENIC					
Total Arsenic, ICP	980.02(b)	151.02	1	6.7	0.0
Total Arsenic, Other		151.99	1	7.5	0.0
Method Group 151.XX PPM			2	7.1	0.4
ACID SOLUBLE BORON					
Acid Soluble Boron, Other		165.99	2	30.1	0.0
Method Group 165.XX PPM			2	30.1	0.0
TOTAL CADMIUM					
Total Cadmium, ICP		181.30	2	3.6	0.1
Total Cadmium, Other		181.99	1	3.9	0.0
Method Group 181.XX PPM			3	3.7	0.2
ALUMINUM AS Al					
ICP, %			6	0.52	0.01
Method Group 190.XX PCT			6	0.52	0.02

TOTAL CHROMIUM

Total Chromium, ICP	191.30	2	84	2.9
Total Chromium, Other	191.99	4	0	15.1
Method Group 191.XX PPM		6	40	73.2

ACID SOLUBLE COBALT

Acid Soluble Cobalt, Colormetric	965.11	202.20	1	5.10	0.0
Acid Soluble Cobalt, ICP		202.30	1	3.8	0.0
Acid Soluble Cobalt, Other		202.99	1	4.3	0.0
Method Group 202.XX PPM			3	4.3	0.6

ACID SOLUBLE COPPER

Acid Soluble Copper, ICP		221.30	2	5.4	0.1
Acid Soluble Copper, Other		221.99	1	4.7	0.0
Method Group 221.XX PPM			3	5.2	0.4

ACID SOLUBLE IRON AS Fe

Acid Soluble Iron, Atomic Absorption	980.01	241.00	1	1.06	0.00
Acid Soluble Iron, ICP		241.30	8	1.06	0.01
Method Group 241.XX PCT			9	1.06	0.01

TOTAL LEAD

Total Lead, Other		251.99	4	1.1	0.1
Method Group 251.XX PPM			4	1.1	0.1

ACID SOLUBLE MANGANESE

Acid Soluble Manganese, ICP	972.02a	261.30	2	2126.5	1327.2
Acid Soluble Manganese, ICP	972.02b	261.31	1	412.0	0.0
Acid Soluble Manganese, Other		261.99	1	398.5	0.0
Method Group 261.XX PPM			4	405.3	817.6

WATER SOLUBLE MANGANESE

Method Group 271.XX PCT			1	0.04	0
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TOTAL MOLYBDENUM

Total Molybdenum, ICP		289.30	2	27.1	1.1
Total Molybdenum, Other		289.99	1	27.3	0.0
Method Group 289.XX PPM			3	27.3	1.3

TOTAL NICKEL

Total Nickel, ICP		291.30	2	12.4	1.0
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Total Nickel, Other		291.99	1	13.5	0.0
Method Group 291.XX PPM			3	13.5	1.2
SODIUM AS Na					
Sodium, Atomic Absorbtion	983.04	311.00	1	0.22	0.00
Sodium, Other		311.99	3	0.11	0.26
Method Group 311.XX PCT			4	0.16	0.23
ACID SOLUBLE ZINC					
Acid Soluble Zinc, ICP		321.30	2	84.5	2.7
Acid Soluble Zinc, Other		321.99	3	0.1	34.6
Method Group 321.XX PPM			5	80.9	80.1
FLUORIDE					
Volumentric		325.10	7	0.18	0.00
Method Group 325.XX PCT All Methods			7	0.18	0.00