

AFPC

Sample

2012-08

Grade

FEED

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
TOTAL NITROGEN					
Total Nitrogen, Combustion	993.13	010.60	2	0.01	0.00
Method Group 010.XX PCT			2	0.01	0.00
TOTAL PHOSPHATE as P					
Total Phosphate, Gravimetric Quimociac		020.10	2	18.20	0.32
Total Phosphate, Spectrometric/Auto	978.02	020.20	13	18.52	0.06
Total Phosphate, Alka. Quimociac	962.02	020.30	1	18.42	0.00
Total Phosphate, ICP		020.40	5	17.44	0.76
Total Phosphate, ICP (New Lithium Method)		020.50	1	18.67	0.00
Total Phosphate, Other		020.99	2	17.97	0.54
Method Group 020.XX PCT P			24	18.51	0.33
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	2	8.13	0.02
Method Group 030.XX PCT			2	8.13	0.03
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	2	10.47	0.15
Method Group 040.XX PCT P			2	10.47	0.18
DIRECT AVAILABLE PHOSPHATE as P					
Direct Available Phosphate, ICP	978.01	041.40	1	23.62	0.00
Direct Available Phosphate, ICP		041.50	1	32.40	0.00
Method Group 041.XX PCT P			2	28.01	3.99
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	2	0.62	0.00
Water Soluble Phosphate, Alka. Quimociac	964.04	048.30	1	0.56	0.00
Method Group 048.XX PCT P			3	0.62	0.03
SOLUBLE POTASH AS K₂O					
Soluble Potash, Atomic Absorption(Oxalate)		050.30	1	0.00	0.00

Soluble Potash, Other		050.99	4	0.12	0.02
Method Group 050.XX PCT			5	0.12	0.04

FREE WATER

Free Water, Vacuum Oven	965.08B	060.00	2	0.09	0.02
Free Water, Vacuum Desiccate	965.08A	060.10	2	0.12	0.00
Free Water, Other		060.99	2	0.25	0.01
Method Group 060.XX PCT			6	0.12	0.08

ACID SOLUBLE CALCIUM AS Ca

Acid Soluble Calcium, ICP		101.30	13	30.61	0.56
Acid Soluble Calcium, Other		101.99	5	30.64	0.12
Method Group 101.XX PCT			18	30.62	0.49

ACID SOLUBLE MAGNESIUM AS Mg

Acid Soluble Magnesium, Atomic Absorption	984.01	121.00	1	0.61	0.00
Acid Soluble Magnesium, ICP		121.30	13	0.68	0.03
Method Group 121.XX PCT			14	0.67	0.05

SULFATE SULFUR (S)

Sulfur, Other		144.99	2	0.08	0.01
Method Group 144.XX PCT			2	0.08	0.02

TOTAL ARSENIC

Total Arsenic, ICP	980.02(b)	151.02	1	1.6	0.0
Total Arsenic, Other		151.99	1	0.5	0.0
Method Group 151.XX PPM			2	1.0	0.5

ACID SOLUBLE BORON

Acid Soluble Boron, Other		165.99	3	18.8	8.0
Method Group 165.XX PPM			3	18.8	9.7

TOTAL CADMIUM

Total Cadmium, ICP		181.30	3	2.0	0.1
Total Cadmium, Other		181.99	1	2.4	0.0
Method Group 181.XX PPM			4	2.1	0.2

ALUMINUM AS Al

ICP, %			6	0.41	0.04
Method Group 190.XX PCT			6	0.41	0.05

TOTAL CHROMIUM

Total Chromium, ICP		191.30	1	140	0.0
Total Chromium, Other		191.99	5	0	0.3
Method Group 191.XX PPM			6	1	91.2
ACID SOLUBLE COBALT					
Acid Soluble Cobalt, ICP		202.30	1	1.9	0.0
Acid Soluble Cobalt, Other		202.99	3	133.0	48.7
Method Group 202.XX PPM			4	68.7	117.9
ACID SOLUBLE COPPER					
Acid Soluble Copper, ICP		221.30	1	12.8	0.0
Acid Soluble Copper, Other		221.99	2	5.2	2.4
Method Group 221.XX PPM			3	8.4	4.9
ACID SOLUBLE IRON AS Fe					
Acid Soluble Iron, Atomic Absorption	980.01	241.00	1	0.53	0.00
Acid Soluble Iron, ICP		241.30	8	0.58	0.02
Acid Soluble Iron, Other		241.99	1	12.50	0.00
Method Group 241.XX PCT			10	0.58	0.03
TOTAL LEAD					
Total Lead, ICP		251.30	2	1.0	0.0
Total Lead, Other		251.99	6	0.6	0.1
Method Group 251.XX PPM			8	0.6	0.2
ACID SOLUBLE MANGANESE					
Acid Soluble Manganese, ICP	972.02a	261.30	1	37.9	0.0
Acid Soluble Manganese, Other		261.99	1	38.1	0.0
Method Group 261.XX PPM			2	38.0	0.1
WATER SOLUBLE MANGANESE					
Method Group 271.XX PCT			1	0.04	0
TOTAL MERCURY					
Total Mercury, Other		281.99	1	0.00	0.00
Method Group 281.XX PPM			1	0.00	0.00
TOTAL MOLYBDENUM					
Total Molybdenum, ICP		289.30	4	15.8	15.5
Total Molybdenum, Other		289.99	2	16.9	7.8
Method Group 289.XX PPM			6	16.1	19.0

TOTAL NICKEL

Total Nickel, ICP	291.30	3	13.7	2.7
Total Nickel, Other	291.99	3	13.5	6.0
Method Group 291.XX PPM		6	13.6	5.0

TOTAL SELENIUM

Total Selenium, ICP	301.30	1	<1	0.0
Total Selenium, Other	301.99	1	22.0	0.0
Method Group 301.XX PPM		2	<1	9.7

SODIUM AS Na

Sodium, Atomic Absorbtion	983.04	311.00	2	3.13	2.17
Sodium, Other		311.99	7	5.63	3.92
Method Group 311.XX PCT			9	5.63	5.01

ACID SOLUBLE ZINC

Acid Soluble Zinc, ICP		321.30	4	143.4	86.8
Acid Soluble Zinc, Other		321.99	8	6.1	81.3
Method Group 321.XX PPM			12	84.5	157.5

FLUORIDE

Volumetric		325.10	16	0.14	0.05
Distilled/Electrode		325.99	1	0.12	0.00
Method Group 325.XX PCT All Methods			17	0.12	0.06
