

# AFPC

**Sample**

**2008-08B**

**Grade**

**FEED**

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
<b>TOTAL NITROGEN</b>					
Total Nitrogen, Combustion	993.13	010.60	2	0.06	0.01
Method Group 010.XX PCT			2	0.06	0.02
<b>TOTAL PHOSPHATE as P</b>					
Total Phosphate, Gravimetric Quimociac		020.10	4	18.37	0.21
Total Phosphate, Spectrometric/Auto	978.02	020.20	14	18.45	0.33
Total Phosphate, Alka. Quimociac	955.04d	020.30	2	18.69	0.02
Total Phosphate, ICP		020.40	7	18.39	0.18
Total Phosphate, ICP (New Lithium Method)		020.50	1	18.96	0.00
Total Phosphate, Other		020.99	3	18.20	0.30
Method Group 020.XX PCT			31	18.45	0.39
<b>INSOLUBLE PHOSPHATE</b>					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	3	9.73	0.95
Insoluble Phosphate, Other		030.99	1	0.50	0.00
Method Group 030.XX PCT			4	8.51	3.78
<b>INDIRECT AVAILABLE PHOSPHATE</b>					
Indirect Available Phosphate, Spectrometric	960.02	040.20	3	8.65	0.08
Indirect Available Phosphate, Other		040.99	2	13.78	3.04
Method Group 040.XX PCT			5	8.80	0.97
<b>DIRECT AVAILABLE PHOSPHATE as P</b>					
Direct Available Phosphate, Gravimetric Quimociac	960.03E	041.10	3	8.58	0.17
Direct Available Phosphate, ICP	978.01	041.40	2	10.72	0.39
Direct Available Phosphate, ICP		041.50	2	8.49	0.06
Method Group 041.XX PCT			7	8.58	0.91
<b>WATER SOLUBLE PHOSPHATE</b>					
Water Soluble Phosphate, Spectrometric	970.01	048.20	4	0.16	0.07
Water Soluble Phosphate, Other		048.99	1	0.63	0.00

Method Group 048.XX PCT			5	0.17	0.23
<b>SOLUBLE POTASH AS K<sub>2</sub>O</b>					
Soluble Potash, ICP(Citrate)	050.51		2	0.25	0.12
Soluble Potash, Other	050.99		3	0.13	309.66
Method Group 050.XX PCT			5	0.13	0.26
<b>FREE WATER</b>					
Free Water, Vacuum Oven	965.08B	060.00	2	0.08	0.00
Free Water, Vacuum Desiccate	965.08A	060.10	2	0.09	0.04
Free Water, Other		060.99	3	0.16	0.02
Method Group 060.XX PCT			7	0.15	0.06
<b>ACID SOLUBLE CALCIUM AS Ca</b>					
Acid Soluble Calcium, ICP		101.30	14	30.10	0.66
Acid Soluble Calcium, Other		101.99	4	30.60	0.64
Method Group 101.XX PCT			18	30.22	0.61
<b>ACID SOLUBLE MAGNESIUM AS Mg</b>					
Acid Soluble Magnesium, ICP		121.30	15	0.62	0.03
Method Group 121.XX PCT			15	0.62	0.04
Water Soluble Magnesium, Atomic Absorption	965.09		No Results		
<b>SULFATE SULFUR (S)</b>					
Sulfur, Other		144.99	5	0.10	0.87
Method Group 144.XX PCT			5	0.10	1.05
<b>TOTAL ARSENIC</b>					
Total Arsenic, ICP	980.02(b)	151.02	2	0.8	0.1
Total Arsenic, Other		151.99	3	0.0	0.1
Method Group 151.XX PPM			5	0.4	0.6
<b>ACID SOLUBLE BORON</b>					
Acid Soluble Boron, Other		165.99	3	14.3	24.1
Method Group 165.XX PPM			3	14.3	29.3
<b>TOTAL CADMIUM</b>					
Total Cadmium, ICP		181.30	6	8.1	1.9
Total Cadmium, Other		181.99	1	9.2	0.0
Method Group 181.XX PPM			7	8.2	2.1
<b>ALUMINUM AS Al</b>					

ICP, %		7	0.28	0.15
Atomic Absorption, AA		2	3.31	2.30
Method Group 190.XX PCT		9	0.28	0.26
<b>TOTAL CHROMIUM</b>				
Total Chromium, ICP	191.30	6	112	19.7
Total Chromium, Other	191.99	4	0	26.3
Method Group 191.XX PPM		10	104	94.1
<b>ACID SOLUBLE COBALT</b>				
Acid Soluble Cobalt, ICP	202.30	3	1.7	0.3
Acid Soluble Cobalt, Other	202.99	2	62.8	45.3
Method Group 202.XX PPM		5	2.0	0.3
<b>ACID SOLUBLE COPPER</b>				
Acid Soluble Copper, ICP	221.30	6	14.2	13.2
Acid Soluble Copper, Other	221.99	3	9.7	3.8
Method Group 221.XX PPM		9	12.0	4.7
<b>ACID SOLUBLE IRON AS Fe</b>				
Acid Soluble Iron, ICP	241.30	13	0.53	0.08
Acid Soluble Iron, Other	241.99	1	8.73	0.00
Method Group 241.XX PCT		14	0.53	0.15
<b>TOTAL LEAD</b>				
Total Lead, ICP	251.30	5	9.0	14.8
Total Lead, Other	251.99	3	0.4	1.0
Method Group 251.XX PPM		8	2.7	9.7
<b>ACID SOLUBLE MANGANESE</b>				
Acid Soluble Manganese, ICP	972.02a 261.30	6	38.0	2.7
Acid Soluble Manganese, ICP	972.02b 261.31	1	0.3	0.0
Acid Soluble Manganese, Other	261.99	1	42.4	0.0
Method Group 261.XX PPM		8	38.0	5.1
<b>WATER SOLUBLE MANGANESE</b>				
Method Group 271.XX PCT		1	0.04	0
<b>TOTAL MERCURY</b>				
Total Mercury, ICP	281.30	3	0.04	0.02
Method Group 281.XX PPM		3	0.04	0.02

**TOTAL MOLYBDENUM**

Total Molybdenum, ICP	289.30	6	4.7	3.0
Total Molybdenum, Other	289.99	1	4.2	0.0
Method Group 289.XX PPM		7	4.3	2.7

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**TOTAL NICKEL**

Total Nickel, ICP	291.30	6	19.0	4.1
Total Nickel, Other	291.99	1	22.9	0.0
Method Group 291.XX PPM		7	20.0	5.2

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**TOTAL SELENIUM**

Total Selenium, ICP	301.30	4	<1	0.6
Total Selenium, Other	301.99	1	10.8	0.0
Method Group 301.XX PPM		5	<1	0.9

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**SODIUM AS Na**

Sodium, Atomic Absorbtion	983.04	311.00	1	6.25	0.00
Sodium, Other		311.99	5	5.94	0.11
Method Group 311.XX PCT			6	5.97	0.15

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**ACID SOLUBLE ZINC**

Acid Soluble Zinc, ICP		321.30	7	378.5	17.9
Acid Soluble Zinc, Other		321.99	3	255.0	141.8
Method Group 321.XX PPM			10	374.3	24.9

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**FLUORIDE**

Volumetric		325.10	9	0.12	0.02
Distilled/Electrode		325.99	2	0.08	0.03
Method Group 325.XX PCT			11	0.11	0.03

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