

# AFPC

## Sample

2010-08

## Grade

## FEED

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
<b>AMMONIACAL NITROGEN</b>					
Ammoniacal Nitrogen, Other		001.99	2	0.32	0.00
Method Group 001.XX PCT			2	0.32	0.00
<b>TOTAL NITROGEN</b>					
Total Nitrogen, Combustion	993.13	010.60	3	0.05	1.94
Method Group 010.XX PCT			3	0.05	2.37
<b>TOTAL PHOSPHATE as P</b>					
Total Phosphate, Gravimetric Quimociac		020.10	3	21.37	10.47
Total Phosphate, Spectrometric/Auto	978.02	020.20	15	21.01	0.23
Total Phosphate, ICP		020.40	6	20.81	0.36
Total Phosphate, ICP (New Lithium Method)		020.50	2	20.78	0.12
Total Phosphate, Other		020.99	2	20.72	0.24
Method Group 020.XX PCT P			28	20.98	0.49
<b>INSOLUBLE PHOSPHATE</b>					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	2	0.07	0.00
Insoluble Phosphate, Other		030.99	2	0.42	0.09
Method Group 030.XX PCT			4	0.19	0.26
<b>INDIRECT AVAILABLE PHOSPHATE</b>					
Indirect Available Phosphate, Spectrometric	960.02	040.20	3	20.87	0.36
Method Group 040.XX PCT P			3	20.87	0.44
<b>DIRECT AVAILABLE PHOSPHATE as P</b>					
Direct Available Phosphate, Gravimetric Quimociac	960.03E	041.10	1	21.15	0.00
Direct Available Phosphate, Spectrometric	960.03D	041.20	1	20.52	0.00
Direct Available Phosphate, ICP	978.01	041.40	2	19.88	0.19
Direct Available Phosphate, ICP		041.50	1	49.60	0.00
Direct Available Phosphate, Other		041.99	2	20.47	0.26
Method Group 041.XX PCT P			7	20.52	0.77

## WATER SOLUBLE PHOSPHATE

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Water Soluble Phosphate, Spectrometric	970.01	048.20	3	16.34	0.08
Water Soluble Phosphate, Other		048.99	1	23.34	0.00
Method Group 048.XX PCT P			4	16.42	1.71
<b>SOLUBLE POTASH AS K<sub>2</sub>O</b>					
Soluble Potash, STPB Oxalate	958.02	050.00	3	0.19	7.53
Soluble Potash, Flame Photometric(Oxalate)	983.02B(a)	050.60	1	0.08	0.00
Soluble Potash, Other		050.99	3	0.07	0.00
Method Group 050.XX PCT			7	0.08	0.10
<b>FREE WATER</b>					
Free Water, Vacuum Oven	965.08B	060.00	6	1.76	0.19
Free Water, Vacuum Desiccate	965.08A	060.10	2	1.58	0.03
Free Water, Other		060.99	2	1.57	0.04
Method Group 060.XX PCT			10	1.63	0.19
<b>ACID SOLUBLE CALCIUM AS Ca</b>					
Acid Soluble Calcium, ICP		101.30	15	16.31	0.77
Acid Soluble Calcium, Other		101.99	3	17.13	2.53
Method Group 101.XX PCT			18	16.36	0.61
<b>ACID SOLUBLE MAGNESIUM AS Mg</b>					
Acid Soluble Magnesium, Atomic Absorption	984.01	121.00	1	0.58	0.00
Acid Soluble Magnesium, ICP		121.30	14	0.39	0.03
Acid Soluble Magnesium, Other		121.99	1	0.29	0.00
Method Group 121.XX PCT			16	0.39	0.05
<b>SULFATE SULFUR (S)</b>					
Sulfur, Gravimetric	980.02(a)	144.01	2	1.76	0.65
Sulfur, Other		144.99	3	0.86	2.06
Method Group 144.XX PCT			5	0.88	1.61
<b>TOTAL ARSENIC</b>					
Total Arsenic, ICP	980.02(b)	151.02	4	21.9	5.2
Method Group 151.XX PPM			4	21.9	6.4
<b>ACID SOLUBLE BORON</b>					
Acid Soluble Boron, Other		165.99	2	30.1	0.2
Method Group 165.XX PPM			2	30.1	0.3
<b>TOTAL CADMIUM</b>					

Total Cadmium, Atomic Absorbtion	181.00	1	5.8	0.0
Total Cadmium, ICP	181.30	5	24.9	22.4
Total Cadmium, Other	181.99	1	4.2	0.0
Method Group 181.XX PPM		7	5.8	23.0
<b>ALUMINUM AS Al</b>				
ICP, %		8	0.49	0.01
Atomic Absorption, AA		3	0.40	0.23
Method Group 190.XX PCT		11	0.48	0.06
<b>TOTAL CHROMIUM</b>				
Total Chromium, ICP	191.30	5	107	65.0
Total Chromium, Other	191.99	1	95	0.0
Method Group 191.XX PPM		6	103	64.3
<b>ACID SOLUBLE COBALT</b>				
Acid Soluble Cobalt, ICP	202.30	5	4.0	2.0
Acid Soluble Cobalt, Other	202.99	1	4.6	0.0
Method Group 202.XX PPM		6	4.3	2.0
<b>ACID SOLUBLE COPPER</b>				
Acid Soluble Copper, ICP	221.30	7	4.6	7.8
Acid Soluble Copper, Other	221.99	1	3.2	0.0
Method Group 221.XX PPM		8	3.9	6.3
<b>ACID SOLUBLE IRON AS Fe</b>				
Acid Soluble Iron, Atomic Absorption	980.01 241.00	2	1.49	0.04
Acid Soluble Iron, ICP	241.30	14	1.11	0.09
Method Group 241.XX PCT		16	1.12	0.12
<b>TOTAL LEAD</b>				
Total Lead, ICP	251.30	3	4.0	1.9
Total Lead, Other	251.99	1	0.6	0.0
Method Group 251.XX PPM		4	2.3	3.5
<b>ACID SOLUBLE MANGANESE</b>				
Acid Soluble Manganese, ICP	972.02a 261.30	6	393.6	226.7
Acid Soluble Manganese, Other	261.99	2	467.5	33.6
Method Group 261.XX PPM		8	420.8	141.5
<b>WATER SOLUBLE MANGANESE</b>				

Method Group 271.XX PCT			1	0.04	0
<b>TOTAL MOLYBDENUM</b>					
Total Molybdenum, ICP	289.30		6	15.9	12.1
Total Molybdenum, Other	289.99		1	25.6	0.0
Method Group 289.XX PPM			7	23.4	15.4
<b>TOTAL NICKEL</b>					
Total Nickel, ICP	291.30		4	16.0	3.4
Total Nickel, Other	291.99		2	14.2	0.6
Method Group 291.XX PPM			6	14.8	2.9
<b>TOTAL SELENIUM</b>					
Total Selenium, ICP	301.30		1	<1	0.0
Method Group 301.XX PPM			1	<1	0.0
<b>SODIUM AS Na</b>					
Sodium, Atomic Absorbtion	983.04	311.00	4	0.09	0.00
Sodium, Other		311.99	6	0.09	0.43
Method Group 311.XX PCT			10	0.09	0.01
<b>ACID SOLUBLE ZINC</b>					
Acid Soluble Zinc, ICP	321.30		7	279.0	203.3
Acid Soluble Zinc, Other	321.99		1	104.5	0.0
Method Group 321.XX PPM			8	191.8	208.5
<b>FLUORIDE</b>					
Volumetric	325.10		8	0.18	0.27
Distilled/Electrode	325.99		3	0.19	0.02
Method Group 325.XX PCT All Methods			11	0.18	0.03