

# AFPC

## Sample - Members Only

2010-09

Grade

18-46-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
<b>AMMONIACAL NITROGEN</b>					
Ammoniacal Nitrogen, Other		001.99	5	18.41	0.10
Method Group 001.XX PCT			5	18.41	0.12
<b>TOTAL NITROGEN</b>					
Total Nitrogen, Modified Comprehensive	978.02	010.11	2	18.56	0.06
Total Nitrogen, Combustion	993.13	010.60	7	18.45	0.15
Total Nitrogen, Other		010.99	4	18.41	0.06
Method Group 010.XX PCT			13	18.45	0.10
<b>TOTAL PHOSPHATE</b>					
Total Phosphate, Spectrometric	978.02	020.20	13	46.42	0.05
Total Phosphate, ICP, Lithium	970.02	020.50	1	46.52	0.00
Method Group 020.XX PCT			14	46.42	0.07
<b>INSOLUBLE PHOSPHATE</b>					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	11	0.04	0.02
Insoluble Phosphate, Automated	978.01	030.40	1	0.07	0.00
Method Group 030.XX PCT			12	0.04	0.03
<b>INDIRECT AVAILABLE PHOSPHATE</b>					
Indirect Available Phosphate, Spectrometric	960.02	040.20	10	46.39	0.04
Indirect Available Phosphate, ICP		040.50	1	0.04	0.00
Indirect Available Phosphate, Other		040.99	1	46.36	0.00
Method Group 040.XX PCT			12	46.38	0.08
<b>DIRECT AVAILABLE PHOSPHATE</b>					
Direct Available Phosphate, Automated	978.01	041.40	2	45.67	0.02
Method Group 041.XX PCT			2	45.67	0.03
<b>WATER SOLUBLE PHOSPHATE</b>					
Water Soluble Phosphate, Spectrometric	970.01	048.20	11	44.04	0.16
Water Soluble Phosphate, Other		048.99	2	44.33	0.10
Method Group 048.XX PCT			13	44.06	0.27

**SOLUBLE POTASH AS K<sub>2</sub>O**

Soluble Potash, ICP(Oxalate)	050.50	2	0.18	0.00
Soluble Potash, Other	050.99	4	0.18	0.01
Method Group 050.XX PCT		6	0.18	0.01

**FREE WATER**

Free Water, Vacuum Oven	965.08B	060.00	11	1.62	0.07
Free Water, Vacuum Desiccate	965.08A	060.10	1	2.36	0.00
Method Group 060.XX PCT			12	1.62	0.10

**ACID SOLUBLE CALCIUM AS CaO**

Acid Soluble Calcium, ICP	101.30	12	0.50	0.02
Method Group 101.XX PCT		12	0.50	0.02

**ACID SOLUBLE MAGNESIUM AS MgO**

Acid Soluble Magnesium, ICP	121.30	12	1.32	0.21
Method Group 121.XX PCT		12	1.32	0.26

**SULFATE SULFUR (S)**

Sulfur, Gravimetric	980.02(a)	144.01	2	2.31	0.00
Sulfur, Spectrometric		144.70	2	2.18	0.00
Sulfur, Other		144.99	8	2.19	0.07
Method Group 144.XX PCT			12	2.19	0.05

**TOTAL ARSENIC**

Total Arsenic, ICP	980.02(b)	151.02	1	1	0.0
Method Group 151.XX PPM			1	1	0.0

**ACID SOLUBLE BORON**

Acid Soluble Boron, Other	165.99	1	88	0.0
Method Group 165.XX PPM		1	88	0.0

**TOTAL CADMIUM**

Total Cadmium, ICP	181.30	4	23	5.0
Total Cadmium, Other	181.99	1	27	0.0
Method Group 181.XX PPM		5	24	4.0

**ALUMINUM AS Al<sub>2</sub>O<sub>3</sub>**

ICP, %			12	0.48	0.01
Method Group 190.XX PCT			12	0.48	0.02

**TOTAL CHROMIUM**

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Total Chromium, ICP		191.30	3	246	6.5
Total Chromium, Other		191.99	1	233	0.0
Method Group 191.XX PPM			4	240	12.2
<b>ACID SOLUBLE COBALT</b>					
Acid Soluble Cobalt, ICP		202.30	2	1	0.0
Acid Soluble Cobalt, Other		202.99	1	0	0.0
Method Group 202.XX PPM			3	1	0.2
<b>ACID SOLUBLE COPPER</b>					
Acid Soluble Copper, ICP		221.30	2	1	0.2
Acid Soluble Copper, Other		221.99	1	0	0.0
Method Group 221.XX PPM			3	1	0.3
<b>ACID SOLUBLE IRON AS Fe<sub>2</sub>O<sub>3</sub></b>					
Acid Soluble Iron, ICP		241.30	12	0.61	0.02
Method Group 241.XX PCT			12	0.61	0.02
<b>TOTAL LEAD</b>					
Total Lead, ICP		251.30	2	1	0.2
Total Lead, Other		251.99	1	0	0.0
Method Group 251.XX PPM			3	1	0.3
<b>ACID SOLUBLE MANGANESE</b>					
Acid Soluble Manganese, ICP	972.02a	261.30	1	34	0.0
Acid Soluble Manganese, Other		261.99	3	31	1.1
Method Group 261.XX PPM			4	31	1.3
<b>TOTAL MOLYBDENUM</b>					
Total Molybdenum, ICP		289.30	2	3	0.2
Total Molybdenum, Other		289.99	1	4	0.0
Method Group 289.XX PPM			3	4	0.4
<b>TOTAL NICKEL</b>					
Total Nickel, ICP		291.30	2	10	0.0
Total Nickel, Other		291.99	1	13	0.0
Method Group 291.XX PPM			3	10	1.3
<b>SODIUM AS Na<sub>2</sub>O</b>					
Sodium, Atomic Absorbtion	983.04	311.00	1	0.31	0.00
Sodium, Other		311.99	5	0.32	0.00

Method Group 311.XX PCT		6	0.32	0.01
<b>ACID SOLUBLE ZINC</b>				
Acid Soluble Zinc, ICP	321.30	4	295.0	52.5
Method Group 321.XX %		4	295.0	64.0
<b>FLUORIDE</b>				
Volumetric	325.10	9	1.31	0.04
Distilled/Electrode	325.99	3	1.26	0.04
Method Group 325.XX PCT		12	1.27	0.06