

# AFPC

**Sample**

**2011-04**

**Grade**

**10-40-0-10-1**

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
<b>AMMONIACAL NITROGEN</b>					
Ammoniacal Nitrogen, Other		001.99	8	11.87	0.04
Method Group 001.XX PCT			8	11.87	0.05
<b>TOTAL NITROGEN</b>					
Total Nitrogen, Combustion	993.13	010.60	4	11.89	0.06
Method Group 010.XX PCT			4	11.89	0.07
<b>TOTAL PHOSPHATE</b>					
Total Phosphate, Spectrometric	978.02	020.20	11	40.69	0.05
Total Phosphate, ICP, Lithium	970.02	020.50	1	40.57	0.00
Method Group 020.XX PCT			12	40.69	0.09
<b>INSOLUBLE PHOSPHATE</b>					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	9	0.70	0.08
Insoluble Phosphate, Automated	978.01	030.40	1	0.66	0.00
Insoluble Phosphate, ICP		030.50	1	0.66	0.00
Method Group 030.XX PCT			11	0.66	0.08
<b>INDIRECT AVAILABLE PHOSPHATE</b>					
Indirect Available Phosphate, Spectrometric	960.02	040.20	9	40.07	0.06
Indirect Available Phosphate, ICP		040.50	1	40.01	0.00
Indirect Available Phosphate, Other		040.99	1	40.03	0.00
Method Group 040.XX PCT			11	40.03	0.07
<b>WATER SOLUBLE PHOSPHATE</b>					
Water Soluble Phosphate, Spectrometric	970.01	048.20	9	35.44	0.21
Water Soluble Phosphate, Other		048.99	2	35.21	0.01
Method Group 048.XX PCT			11	35.34	0.29
<b>SOLUBLE POTASH AS K<sub>2</sub>O</b>					
Soluble Potash, ICP(Oxalate)		050.50	2	0.12	0.00
Soluble Potash, Other		050.99	3	0.13	0.00
Method Group 050.XX PCT			5	0.12	0.01

**FREE WATER**

Free Water, Vacuum Oven	965.08B	060.00	9	0.59	0.04
Free Water, Vacuum Desiccate	965.08A	060.10	2	0.63	0.01
Method Group 060.XX PCT			11	0.62	0.05

**ACID SOLUBLE CALCIUM AS CaO**

Acid Soluble Calcium, ICP		101.30	8	0.40	0.03
Method Group 101.XX PCT			8	0.40	0.03

**ACID SOLUBLE MAGNESIUM AS MgO**

Acid Soluble Magnesium, ICP		121.30	8	0.84	0.01
Method Group 121.XX PCT			8	0.84	0.02

**SULFATE SULFUR (S)**

Sulfur, Gravimetric	980.02(a)	144.01	1	8.94	0.00
Sulfur, Spectrometric		144.70	2	7.84	0.00
Sulfur, Other		144.99	5	5.26	0.04
Method Group 144.XX PCT			8	5.30	2.35

**TOTAL SULFUR (S)**

Sulfur, Other		145.99	3	10.34	0.03
Method Group 145.XX PCT			3	10.34	0.03

**TOTAL ARSENIC**

Total Arsenic, ICP	980.02(b)	151.02	3	7	2.9
Method Group 151.XX PPM			3	7	3.5

**ACID SOLUBLE BORON**

Acid Soluble Boron, Other		165.99	1	40	0.0
Method Group 165.XX PPM			1	40	0.0

**TOTAL CADMIUM**

Total Cadmium, ICP		181.30	2	3	0.1
Total Cadmium, Other		181.99	1	4	0.0
Method Group 181.XX PPM			3	3	0.2

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

ICP, %			8	1.42	0.02
Method Group 190.XX PCT			8	1.42	0.02

**TOTAL CHROMIUM**

Total Chromium, ICP		191.30	2	69	0.9
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Total Chromium, Other	191.99	1	64	0.0
Method Group 191.XX PPM		3	68	2.9
<b>ACID SOLUBLE COBALT</b>				
Acid Soluble Cobalt, ICP	202.30	2	3	0.2
Acid Soluble Cobalt, Other	202.99	1	3	0.0
Method Group 202.XX PPM		3	3	0.3
<b>ACID SOLUBLE COPPER</b>				
Acid Soluble Copper, ICP	221.30	1		0.0
Acid Soluble Copper, Other	221.99	1	0	0.0
Method Group 221.XX PPM		2	3	2.8
<b>ACID SOLUBLE IRON AS Fe<sub>2</sub>O<sub>3</sub></b>				
Acid Soluble Iron, ICP	241.30	8	1.48	0.02
Method Group 241.XX PCT		8	1.48	0.02
<b>TOTAL LEAD</b>				
Total Lead, ICP	251.30	1		0.0
Total Lead, Other	251.99	1	2	0.0
Method Group 251.XX PPM		2	1	1.0
<b>ACID SOLUBLE MANGANESE</b>				
Acid Soluble Manganese, ICP	972.02a 261.30	1	287	0.0
Acid Soluble Manganese, Other	261.99	2	268	6.5
Method Group 261.XX PPM		3	277	12.5
<b>TOTAL MOLYBDENUM</b>				
Total Molybdenum, ICP	289.30	2	11	0.3
Total Molybdenum, Other	289.99	1	13	0.0
Method Group 289.XX PPM		3	11	1.0
<b>TOTAL NICKEL</b>				
Total Nickel, ICP	291.30	2	15	0.0
Total Nickel, Other	291.99	1	15	0.0
Method Group 291.XX PPM		3	15	0.1
<b>TOTAL SELENIUM</b>				
Total Selenium, ICP	301.30	1		0.0
Method Group 301.XX PPM		1	0	0.0
<b>SODIUM AS Na<sub>2</sub>O</b>				

Sodium, Atomic Absorbtion	983.04	311.00	1	0.18	0.00
Sodium, Other		311.99	4	0.18	0.01
Method Group 311.XX PCT			5	0.18	0.01
<b>ACID SOLUBLE ZINC</b>					
Acid Soluble Zinc, ICP		321.30	7	1.11	0.03
Method Group 321.XX %			7	1.11	0.04
<b>FLUORIDE</b>					
Volumetric		325.10	8	1.70	0.16
Distilled/Electrode		325.99	2	1.77	0.03
Method Group 325.XX PCT			10	1.74	0.16