Chilton Anth Form 3	nony S								
December 0	9, 2008								
FORM	2 UNI	ITED STA	TES SECURITIES AN	URITIES AND EXCHANGE COMMISSION			OMB APPROVAL		
<b>FORM 3</b> UNITED STATES SECURITIES AND EXCHANGE Washington, D.C. 20549							3235-0104		
INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF						Expires:	January 31, 2005		
SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Secti 30(h) of the Investment Company Act of 1940						Estimated average burden hours per response 0.5			
(Print or Type Responses)									
1. Name and Address of Reporting Person <u>*</u> Chilton Anthony S			2. Date of Event Requiring Statement (Month/Day/Year)	<sup>g</sup> 3. Issuer Name <b>and</b> Ticker or Trading Symbol BIOANALYTICAL SYSTEMS INC [BASI]					
(Last)	(First)	(Middle)	12/01/2008	4. Relationship of Reporting Person(s) to Issuer		Amendment, D Month/Day/Yea	U		
2701 KENT	AVENUE	Ξ							
(Street)			(Check all applicable) 6		. Individual or Joint/Group				

# WEST LAFAYETTE, INÂ 47906

(City) (State) (Zip)

1. Title of Security (Instr. 4)

## **Table I - Non-Derivative Securities Beneficially Owned**

10% Owner

\_ Other

2. Amount of Securities Beneficially Owned (Instr. 4)

Ownership Form: Direct (D) or Indirect (I)

(Instr. 5)

SEC 1473 (7-02)

3.

(give title below) (specify below)

COO, Scientific Studies

Director

\_X\_ Officer

4. Nature of Indirect Beneficial Ownership (Instr. 5)

Reporting Person

Person

Filing(Check Applicable Line)

\_X\_ Form filed by One Reporting

Form filed by More than One

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

> Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security		4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	

# **Reporting Owners**

<b>Reporting Owner Name / Address</b>	Relationships						
	Director	10% Owner	Officer	Othe			
Chilton Anthony S 2701 KENT AVENUE WEST LAFAYETTE, IN 47906	Â	Â	COO, Scientific Studies	Â			
Signatures							
/s/ Michael R. Cox, as attorney-in-fac Chilton	thony S.	12/09/2008					
**Signature of Reporting Pe		Date					
Explanation of Respo	onse	s:					

#### No securities are beneficially owned

\* If the form is filed by more than one reporting person, see Instruction 5(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

# Â

## **Remarks:**

Exhibit List: Exhibit 24: Power of Attorney

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.