

ENVIRONMENTAL ENGR. LAB - WORK SHEET

SAMPLE DESCRIPTION

FC-98
LOT - 337

Date: 3-11-80

Analyst: W.A. Schell

Hrs.: _____

ACUTE TOXICITY OF A COMPOUND TO ACTIVATED SLUDGE

Reference: EAR 11-8-79

SLUDGE - MIXED LIQUOR FROM MPLS - STP METRO
SEWAGE PLANT (PIGS EYE)

DATE OF SLUDGE COLLECTION: 3-11-80

Material was
not soluble enough
to (assess) (W.A. Schell)
3-11-80STOCK SOLUTION OF FC-98: 0.600 g diluted to 1.00L with D.I. H₂O

TIME		CONCENTRATION OF SAMPLE IN BOD BOTTLE					
MIN.	SEC.	D.I. H ₂ O BLANK	100 mg/L	D.I. H ₂ O BLANK	100 mg/L		
	15	-	6.85	-	-		
	30	7.15	6.45	7.15	7.00		
	45	6.80	6.05	-	6.25	WAS 3-11-80	
1	-	6.45	5.70	6.45	6.25		
2	-	4.95	4.15	4.95	* -	missed reading	
3	-	3.40	2.60	3.40	2.80	3 min, 10 sec	
4	-	1.90	1.10	1.90	1.55		
5	-	0.50	0.50	0.50	0.50	4 min, 43 sec.	
						* 4 min, 26 sec.	
* The sample was aerated in a small beaker for approximately 5 min before running duplicate.							
						W.A. Schell	
						3/11/80	

See comments on back.

Reviewed by: _____

ENVIRONMENTAL LABORATORY SUMMARY SHEET

Lab Request No. 5428

Acute Toxicity of a Compound to Activated
Sludge Mixed Liquor

COMPOUND: FC-98, LOT-337

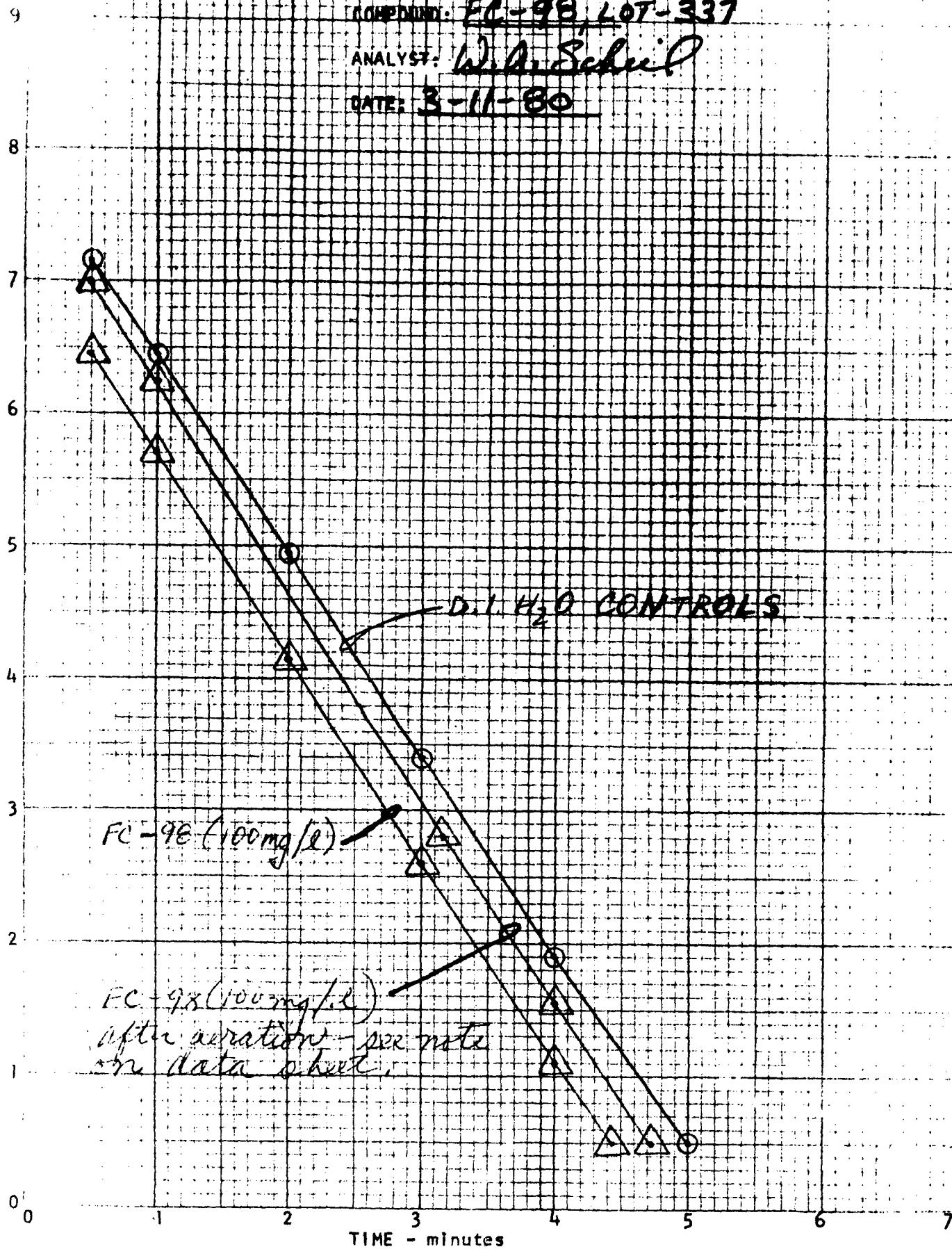
ANALYST: W. A. Schiefel

DATE: 3-11-80

DIETZEN CORPORATION
MADE IN U.S.A.

DIETZEN GRAPH PAPER
NO. 10 PER INCH

DISSOLVED OXYGEN CONCENTRATION - mg/l



Comment: Apparently the stock solution was not sufficiently aerated prior to running the test.

W. A. Scheil

3/14/80

→ This would cause a lower initial D.O. of the mixed liquor and sample mixture as indicated by test results. After aerating the sample, the initial D.O. of the mixture is higher.

W. A. Scheil

3/14/80