6740/3 NREAD (L) 23 Dec 86

Mr. W. B. Edwards NCRD/DEM Laboratory Branch Post Office Box 27687 Raleigh, North Carolina 27611

Dear Sir:

In accordance with your 9 December 1986 letter, the instruction and reporting forms for analysis of suspended residue and oil and grease are submitted.

The initial evaluation sampled for total phosphorus and ammonia nitrogen were received on 15 December 1986. Their results will follow later.

Questions regarding this report should be forwarded to Ms. Elizabeth Betz, Supervisory Chemist, Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities at (919) 451-5977.

Sincerely,

D. D. SHARPE Acting Director

Encls:

- (1) Instruction & Rpting Form for Analysis for Suspended Residue
- (2) Instruction & Rpting Form for Analysis of Oil & Grease

Copy to: ECML, NREA

> CLW 0000001533

Instruction and Reporting Form for Analysis of Total and Suspended Residue

Please verify that the ampul you received corresponds with the number listed Thelow:

The contents of for total and su	this ampul are to be spended residue analy	used to prepare and	n analytical perform	ance sample	
When you are rea the solids, bein	dy to perform the ana g careful not to lose	alysis, remove the particles clinging	rubber seal from thing to the rubber sea	e vvi lal containi 1.	ng
Use deionized wa into the volumet	s of the vial through ter to quantitatively ric flask. Rinse the the 1000 ml mark.	rinse the solids	from the vial and r	ubboeer seal	
Mix well and ana	lyze by standard proc	edures.			
NOTE: Some labs content when ana	have found it necessalyzing this type of s	ary to correct for sample.	their distilled wast	er Tresidue	
information. Pl	low for information of ease report your find ons provided in the "	lings in the "Value	e Obtained" column i		
Perform analyses		Concentration	•	Walue	
Marked (X)	Analysis	Range	Report Results	COMbtained	
	Total Residue	1-1000 mg/l	to 1.0 mg/1		
X	Suspended Residue	1-1000 mg/1	to 1.0 mg/1	·21.5	
Return a signed	copy of this complete	ed form to:			
	Dept. of Natural Res Laboratory Section Division of Environm P. O. Box 27687 Raleigh, North Carol	mental Management	Development		
within 30 days o	f receiving this samp	ole. Retain one co	opy for your file.		
Laboratory Code	#	Certificat	te #	-	
Laboratory repor	ting data Evviconme	ENTAL CHEMISTRY	AND MICEOBIOLOGY C	ABOK ATURY	
Signature of Lab	oratory Supervisor	Enabeth aB	f		
	15 December 1986		\mathcal{V}	CLW	
			0000	001534	
(LC7-4/81)					

Instruction and Reporting Form for Analysis of Oil and Grease

Please verify that the number on the ampul you received corresponds with the number listed here:				
The contents of this ampul are to be used to prepare a sample for the analytical performance test for oil and grease analysis. Add 500 ml of distilled or deionized water and 2.5 ml concentrated HCl to a separatory funnel. Transfer/0.0 ml of the ampul contents to the separatory funnel. Complete the analysis as detailed in the required procedure. Calculate the oil or grease concentration using the formula below:				
mg/l grease or oil = (mg oil or grease in sample - mg oil or grease in blank) x 1000				
500				
Please record your result in the "Value Obtained" column in accordance with the directions provided in the "Report Results" column.				
Daniel and an allege and				
Perform analyses Concentration				
Marked (X) Analysis R. Report Results Value Obtained				
011 & Grease 1-1000 mg/1 to 1 mg/137.0				
Return the ampul mailing container and a signed copy of this completed form to:				
Dept. of Natural Resources & Community Development				
Division of Environmental Management				
Laboratory Branch				
P. O. Box 27687				
Raleigh, North Carolina 27611				
within 30 days of receiving this sample. Retain one copy for your file.				
Laboratory Code #Certificate #				
Laboratory reporting data Environmental Chemister and Microbiology Laboratory				
Signature of laboratory supervisor Ligaletto a Bat				
$m{arphi}$				
Date completed 15 December 1986				

CLW 000001535