

Accurate News

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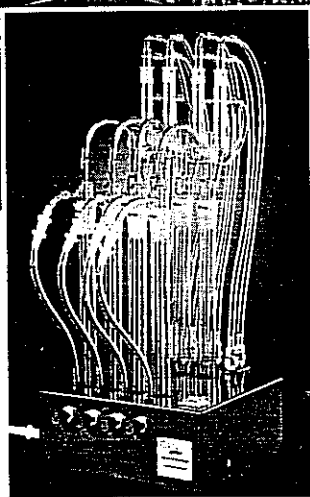
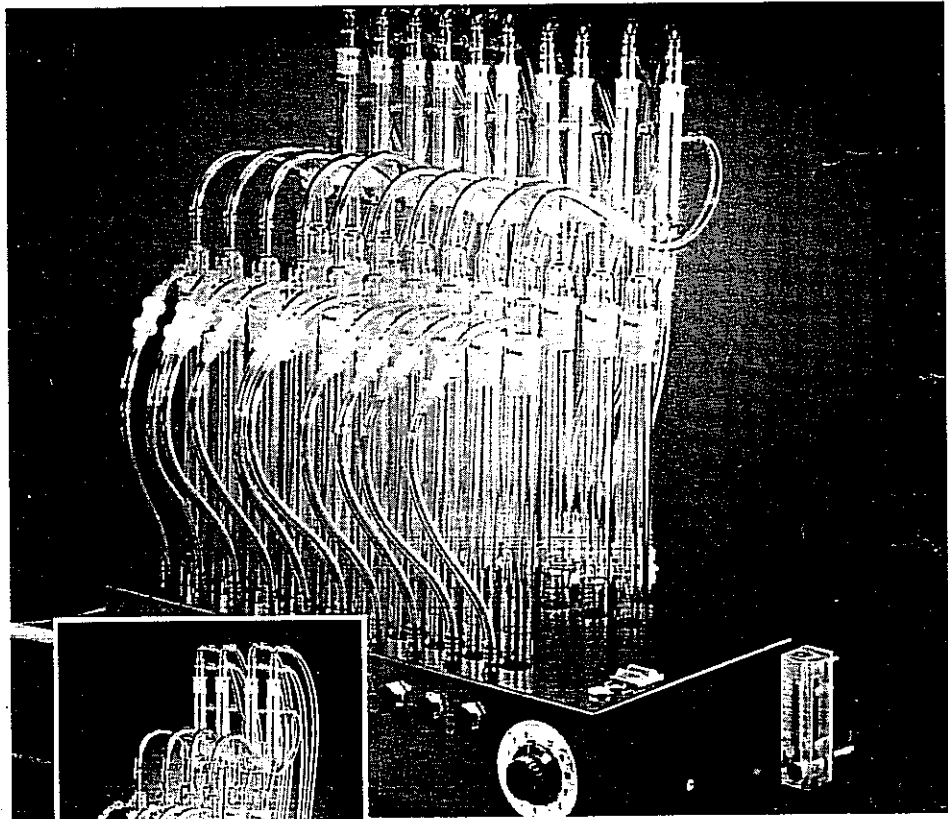
Wasteload Allocation Study Completed

Accurate, Inc. recently completed a stream monitoring project for one of our municipal clients. This project consisted of analyzing samples of treatment plant discharge, both upstream and downstream for such parameters as BOD 5, BOD 20, COD, ammonia, nutrients, etc.

The logistics of the whole project was most challenging. We had to carefully prepare for managing large sample numbers with short holding times and stringent QA/QC requirements.

The project required the preparation of nearly 500 BOD dilutions simultaneous with dozens of other tests. We estimate that our staff

* (continued page 2, see Waste)



The Midi-Dist™ Distillation System

- Accurate's newest technology in use...the Midi-Dist! Look on page 2 for more information on this new instrument.

Waste continued from pg. 1.

spent as much time in preparation for this project as in the execution. However, to insure high quality data and timely completion, this comprehensive plan was required. This kind of planning in large projects can save thousands of dollars in avoiding delays and retests. In this particular project lab costs were over \$10,000, nearly 10% of the total project cost. So, every step should be taken to get results correct the first time.

In the future if you are considering a project like this, we would like to discuss it with you. Perhaps we could offer some sound advice. Accurate, Inc. may be the only commercial lab in the state with the capability and experience to successfully complete this type of study.

-----by George Drye, Lab Manager

Cyanide Analysis Goes Midi

In our efforts to maintain the highest degree of accuracy and precision, Accurate, Inc. has made another equipment acquisition. Our new midi cyanide distillation apparatus, so called because it is midway in size between the regular and the micro size units, has many advantages over the standard instrument. It is fully approved by the EPA for NPDES analysis. Moreover, it allows for the analysis of a greater number of samples in the same space. In fact, it is capable of distilling 10 samples where we previously could process only three.

Preservation Confusion

If you have recently sampled for Volatile Organic Compounds (VOC) analysis, then you likely are aware of the confusion over method 624 and its two options for sample preservation.

Option 1- sample must be chilled to 4° C directly after a sampling event. No chemical preservation is necessary but the sample must be analyzed within seven days.

Option 2 - regarding a water sample containing residual chlorine, the sample must be dechlorinated with Sodium Thiosulfate ($\text{Na}_2\text{S}_2\text{O}_3$) then acidified with HCl to a pH of less than 2. This option will allow a 14 day holding time.

At Accurate, Inc. every effort is made to run all volatiles within seven days. We prefer that you use option 1 on method 624, simply chilling the sample until delivery. However, if transportation times are a concern and option 2 is necessary, please contact us in advance so we may discuss this method with you.

-----by John Russell, Field Services Manager

This new machine not only increases customer sample capacity but also QC samples. This means we can run blanks, spikes and duplicates without slowing the run time of a batch. And, our customers get better quality without a price increase.

-----by George Drye, Lab Manager

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Accurate, Inc. Earns Validation from U. S. Army Corps of Engineers

Accurate, Inc. recently learned that our facility has passed the U.S. Army Corps of Engineers' rigorous auditing and validation process making our company approved for Corps projects. This is an important accomplishment as the validation process is quite challenging, and only a rare, few labs are able to maintain the high performance required to be approved by the Corps for their engineering projects.

Congratulations to Accurate, Inc. staff for their accomplishment and attention to quality! Our customers deserve the best laboratory services, and with Accurate, Inc. high quality is what we always deliver.

.....by Todd Unruh, Marketing Manager

Accurate Word Search

A I R G T S O I S S T E R C H A I N L I N K U P Y
 I C A W G U D E A F L R V I O R E G A N O I C E V
 C Y C T A L R Y M R T U C H R S C A T U D G W A M
 U E H U N T E M P E R A T U R E V S A M P L E S E
 S L A E R E A G L S T L U G G E R O L B Y L K A T
 T O Y S L I Y C E Q U A O U E P I C K U P H O M E
 O G T M R P T I C Y E T L G A R S L U R D D E G R
 D O E R A R E E U U A S L S N E O I L L O G W L R
 W E T C H E M I S T R Y O A L C C O N T R O E E A
 W O P T A S W E T C H A G T T I M S Q U A S T O P
 S U R G E E A L O K N O T L E S Q B T U G R C T H
 H A E Q U V R E D T K O R E V I U Q E S A I H O A
 N W S T R A Y V I Q B S S G C O R U D R L L E R H
 O A E V R T U N A E I G I R N N R A T I O I I G O
 O T R U S I O N N S R A G U R E K L S O I L S A A
 M Y V L A N A L Y S Y S N S B K M I O L G R T N L
 B I A T E O R L S G N O A M E R G T V T O E R I D
 E C T C C H A I N O F C U S T O D Y A I T S Y C I
 R A I E C N Q A I B S N O T L A B C Y M E W T S N
 N O O I A V U A Q R G Y B O N T L O E E S A Q U G
 P Y N S T L R E L O T C L O G U Q N V A M T A L T
 A R E E A M L A L I B O S I G N A T U R E E I T I
 N O L R V R T S T S I N T R W R P R E C U R Y C M
 B A T H O L D I N G T I M E A C O O N T R L O N E
 Q A L I T Y T S R E B O T T L E T L R W A I T E S

FIND THE FOLLOWING SAMPLE RELATED TERMS AND CIRCLE.

ACCURATE	WATER	PRESERVATION	BOTTLES
CHAIN OF CUSTODY	QUALITY CONTROL	ICE	METALS
SAMPLE CUSTODIAN	PRECISION	TEMPERATURE	ORGANICS
SOIL	ANALYSIS	PICKUP	WETCHEMISTRY
SLUDGE	HOLDING TIME	SIGNATURE	LOG NUMBER

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