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DEPARTMENT Toxicology Research Laboratory, H&ES, USA		LAB. NO.	PROBLEM NO.
TITLE VALIDATION OF DBCP ANALYTICAL METHOD IN NEW SUBSTRATE (WATER)			PAGES IN FULL REPORT 3
AUTHOR(S) P. E. Kastl and E. A. Hermann			
AUTHOR(S) SIGNATURE(S) <i>P. E. Kastl</i> 4-29-81 <i>E. A. Hermann</i> 4-29-81			
REVIEWER'S SIGNATURE W. H. Braun <i>W. H. Braun</i> 4-29-81		This report is: ☐ INTERIM ☒ FINAL and mainly: ☒ NEW ☐ REVIEW	
DESCRIPTIVE SUMMARY WITH CONCLUSIONS:			
In anticipation of a two year toxicology study an analytical method for the quantitative determination of 1,2-dibromo-3-chloropropane (DBCP) has been validated in a new substrate, water, over a concentration range of 1.14 ppb to 114 ppm. Water standards containing DBCP were extracted with toluene and analyzed by gas chromatography with electron capture detection. The mean % recovery for 30 determinations was 95.9±4.4%.			
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LOCATER SHEET

TOXICOLOGY RESEARCH LABORATORY
HEALTH & ENVIRONMENTAL SCIENCES, USA
DOW CHEMICAL U.S.A.
MIDLAND, MICHIGAN 48640

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AUTHOR(S): Kastl and Hermann

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BIOCHEMICAL RESEARCH LAB.

MIDLAND, MICHIGAN 48640

TOX. NO.

K-6117-C14

FILE NO.

REQUEST FOR TOXICOLOGICAL STUDIES

1803 BLDG.

NAME OF MATERIAL TO BE TESTED

1,2-Dibromo-3-Chloropropane (DBCP)

SUBMITTED BY (Signature)

Pat Kastl

Date

5-18-81

(Building)

1803

(Phone)

6-2060

SUPERVISOR (Signature)

Emile Hermann

(Date and Building)

5-18-81 1803

PROJECT SAFETY COORDINATOR

(Date)

ESTIMATED COST

2,000

ACCOUNT
NUMBER

LEDGER

LOCATION GROUP

SECTION

SUFFIX

PROBLEM NO.

TO BE USED BY

TOXICOLOGY

LAB.

PROBLEM INDEX NO.

PROBLEM

DO NOT WRITE BELOW THIS LINE

COMPLETE ALL INFORMATION ON REVERSE

ROUTE OF ADMINISTRATION

Oral (Water)

LENGTH OF TREATMENT

SPECIES

RAT

☐ M
☐ F

RABBIT

☐ M
☐ FGUINEA
PIG☐ M
☐ F

DOG

☒ M
☐ F

MONKEY

☐ M
☐ F

HAMSTER

☐ M
☐ F

OTHER

DOSES

NOTES, CHANGES, ADVERSE EFFECTS NOTED

Analytical Methods Report
Validation of DBCP Analytical
Method in new substrate (water)

CHECK POINT

DATE

SAMPLE RECEIVED TOXICOLOGY

ESTIMATED STARTING TIME

ESTIMATED REPORTED DATE

REVISED ESTIMATE REPORTED

REPORT DRAFTED

REPORT ISSUED

DATE OF SAMPLE

DATE

☐

RETURNED

☐

DESTROYED

☐

REFERENCE SAMPLE STORED

☐

REFERENCE SAMPLE TO K STORAGE

NOTES

DATE PROJECT COMPLETED

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