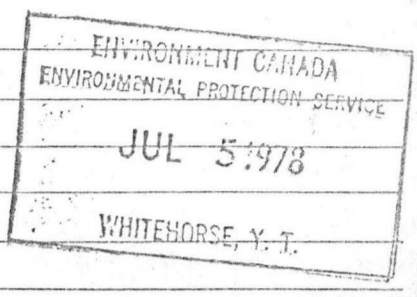


SAMPLE NO: **784194** COMPANY: **Cyprus Anvil Mines** ATTENTION: **Ken Weagle**

DESCRIPTION AND AMOUNT OF SAMPLE AND CONTAINER (S)
 SAMPLE: **Mine seepage 9BC56**
 CONTAINER (S): **- 20L Nalgene wide mouth containers**



COLLECTED BY: **N. Cornish** DATE: **20** / **6** / **78** RECEIVED IN LABORATORY BY: **RK** DATE: **23** / **6** / **78**

WITNESS: TIME **1000** Hrs. WITNESS: TIME **1400** Hrs.
 ANALYSIS REQUIRED: 96 Hr LC50 96 Hr LT50 Specified Concentration (s) **100%**

SAMPLE: Legal Routine DILUTIONS MEASURED BY: Weight Whole Sample Volume Active Ingredient
 DILUTION WATER: Fresh Water Salt Water FISH SPECIES: Rainbow Trout (*Salmo gairdneri*) Other

ORIGINAL SAMPLE pH: **7.6** Salinity: **0/00** DILUTION WATER pH: **6.5** Hardness: **4.7** Mg./l. CaCO₃ Salinity: **0/00** BIOASSAY TEMPERATURE: **15 ± 1** °C FISH SIZE: Weekly Average Actual

LOADING DENSITY: **0.4** gm./l. Or See Below See Data Sheet FORK LENGTH (Average): **4.5** cm. See Data Sheet RANGE: **3.7** cm. to **6.2** cm. See Data Sheet WEIGHT (Average): **1.0** gm. See Data Sheet RANGE: **0.5** gm. to **2.4** gm. See Data Sheet

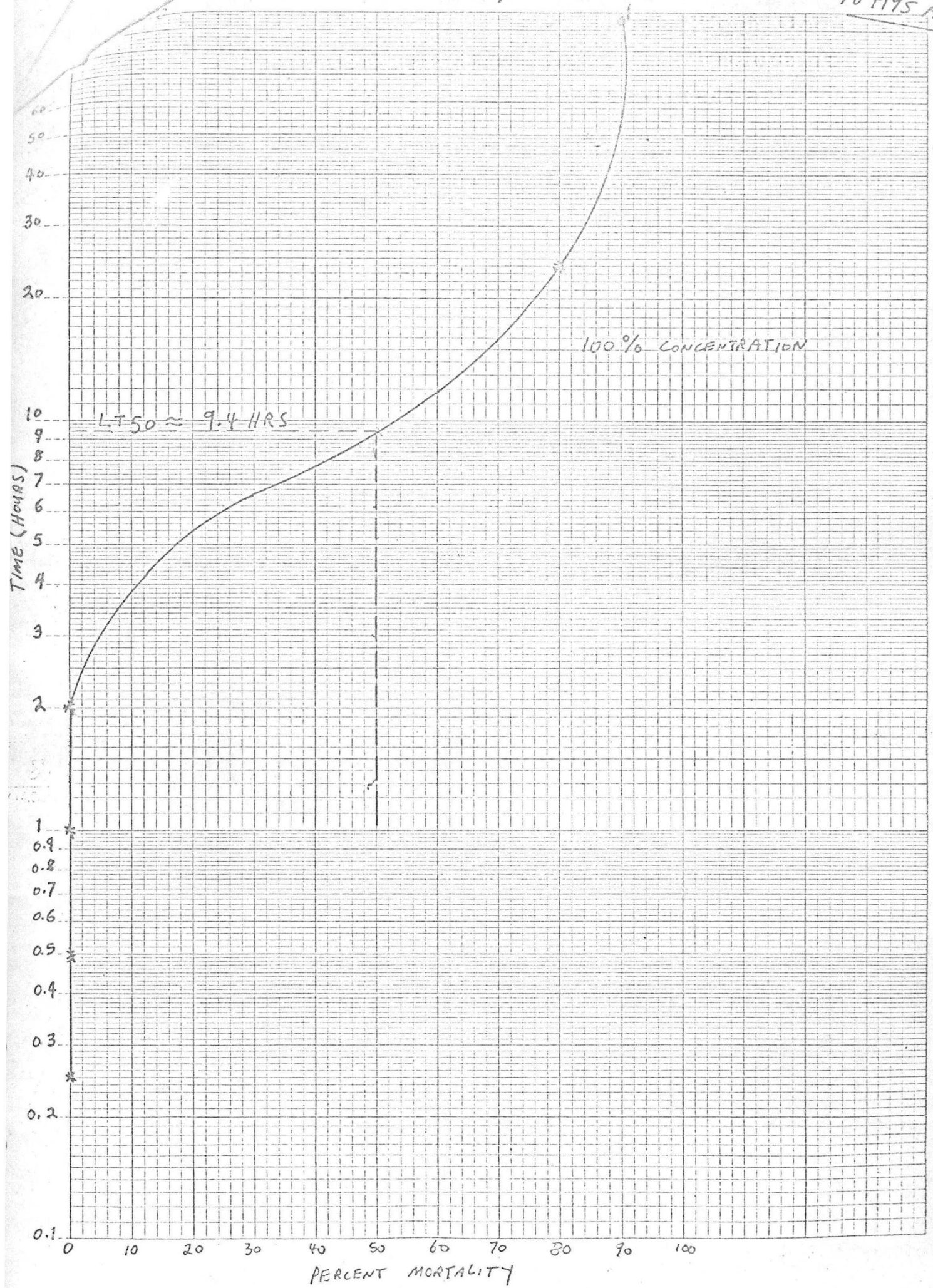
| CONCENTRATION | TEST AMOUNT | START DATE | START | | | NO. FISH | CUMULATIVE MORTALITY AT TIME (HRS) | | | | | | | | | | FINAL | | INITIAL LOADING DENSITY gm./l. | | |
|---------------|-------------|------------|-------|------|------|----------|------------------------------------|-----|---|---|---|---|----|----|----|----|-------|----|--------------------------------|------|--|
| | | | pH | D.O. | Time | | 0.25 | 0.5 | 1 | 2 | 4 | 8 | 16 | 24 | 48 | 72 | 96 | pH | | D.O. | |
| CONTROL | 22.5g | 23/6/78 | 6.5 | 10.4 | | 10 | 0 | 0 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 6.9 | 10.1 | |
| 100% | 22.5g | 23/6/78 | 7.7 | 8.1 | | 10 | 0 | 0 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 8.4 | 10.2 | |

ANALYSIS RESULTS
 96 Hr. LC50 is concentration. 96 Hr. LT50 is **5** at concentration.
 Range: Conf. Limits: Slope:
THE SAMPLE WAS NOT TOXIC AT 100% CONCENTRATION AFTER 96 HOURS OF EXPOSURE.

AT TIME OF EXPOSURE OF RAINBOW TROUT TO A SAMPLE OF
WATER SEEPAGE AT 100% CONC. pH 10.0

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LETALITY AT TIME OF EXPOSURE OF RAINBOW TROUT TO A SAMPLE OF
MINE SEEPAGE AT 100% CONC. PH ADJUSTED TO 8.4

JUN 1970

784195B

