

Analysis of Data:

Table 1. Blank individual data table to be reproduced.

Sample A	Number of living brine shrimp over time					
	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.
5						
10						
20						
30						
40						
50						

Table 2. Blank individual data table to be reproduced.

Sample B	Number of living brine shrimp over time					
	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.
5						
10						
20						
30						
40						
50						

Table 3. Class Data Table to be reproduced for intermediate students.

Sample	Sample Concentration (%)	Number of Living Brine Shrimp after __ Minutes
A	0	10
	5	
	10	
	20	
	30	
	40	
	50	
Sample	Sample Concentration (%)	Number of Living Brine Shrimp after __ Minutes
B	0	10
	5	
	10	
	20	
	30	
	40	
	50	

Table 4. Class Data Table to be reproduced for High School students.

Sample	Sample Concentration (%)	Number of Living Brine Shrimp after __ Minutes
A	0	10
	5	
	10	
	20	
	30	
	40	
	50	
Sample	Sample Concentration (%)	Number of Living Brine Shrimp after __ Minutes
B	0	10
	5	
	10	
	20	
	30	
	40	
	50	
Sample	Sample Concentration (%)	Number of Living Brine Shrimp after __ Minutes
C	0	10
	5	
	10	
	20	
	30	
	40	
	50	

Sample	Sample Concentration (%)	Number of Living Brine Shrimp after __ Minutes
D	0	10
	5	
	10	
	20	
	30	
	40	
	50	
Sample	Sample Concentration (%)	Number of Living Brine Shrimp after __ Minutes
E	0	10
	5	
	10	
	20	
	30	
	40	
	50	
Sample	Sample Concentration (%)	Number of Living Brine Shrimp after __ Minutes
F	0	10
	5	
	10	
	20	
	30	
	40	
	50	

Table 5. Example of Listerine data

Listerine Dilution (percent)	Number of living brine shrimp over time					
	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.
5	10	10	10	10	10	10
10	10	10	10	10	10	10
20	10	10	10	10	9	9
30	10	10	9	9	8	8
40	10	9	9	9	4	3
50	10	7	5	3	0	0

Table 6. Listerine Data Table for 20 minute contact time.

Sample	Sample Concentration (%)	Number of Living Brine Shrimp after 20 Minutes
Listerine	0	10
	5	10
	10	10
	20	10
	30	9
	40	9
	50	3

Graph 1. Listerine Graph for 20 minute contact time.

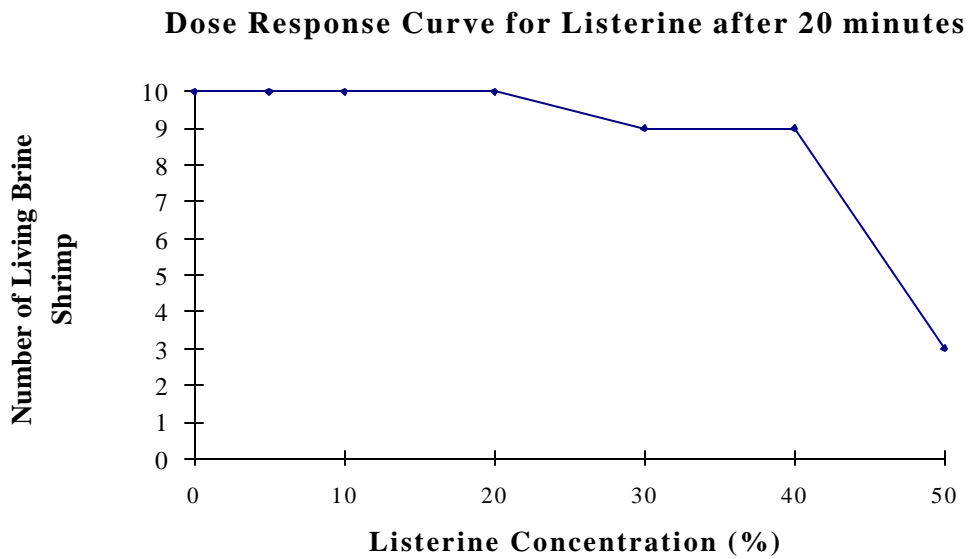


Table 7. Example of Acetone Data.

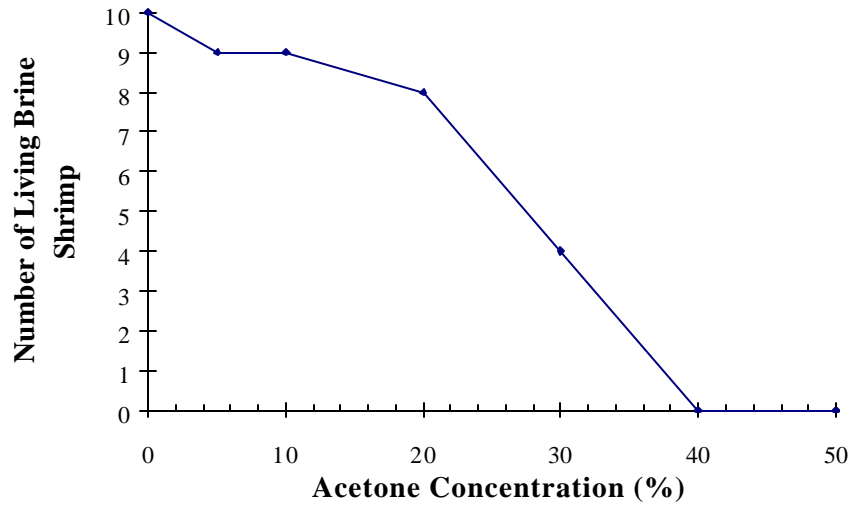
Acetone Dilution (percent)	Number of living brine shrimp over time					
	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.
5	10	10	10	9	9	9
10	10	10	10	9	9	9
20	9	9	9	8	7	6
30	9	7	5	4	3	1
40	9	7	3	0	0	0
50	7	2	0	0	0	0

Table 8. Acetone Data Table for 20 minute contact time.

Sample	Sample Concentration (%)	Number of Living Brine Shrimp after 20 Minutes
Acetone	0	10
	5	9
	10	9
	20	8
	30	4
	40	0
	50	0

Graph 2. Acetone Graph for 20 minute contact time.

Dose Response Curve for Acetone after 20 minutes



Graph 3. Listerine and Acetone LD50 values.

Calculated LD50 Values for Listerine and Acetone

