CALIF NIA REGIONAL WATER QUALITY CONTF BOARD
COLORADO RIVER BASIN

WDID NO.: 7A1310570011
ORDER NO.: R7-2003-0054
NPDES NO.: CA0104841
REPORTING FREQUENCY: QUARTERLY

MONITORING AND REPORTING PROGRAM
FOR DATE GARDENS MOBILE HOME PARK
QUARTER ~~DEC~~ 4th Qtr
YEAR 2004

TYPE OF SAMPLE:	INFLUENT		RECEIVING WATER - R1 (UPSTREAM)				
CONSTITUENTS	20°C BOD_5	Sus. Solids	DO	Hydrogen Ion	Chlorine	E. Coli	
FREQUENCY	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	
DESCRIPTION	24-Hr. Comp.	24-Hr. Comp.	Grab	Grab	Grab	Grab	
UNITS	mg/L	mg/L	mg/L	pH Units	mg/L	MPN/100mL	
REQUIREMENTS							
30-DAY MEAN							
7-DAY MEAN							
MAXIMUM							
DATE OF SAMPLE							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19	450	138.5	8.7	7.83			
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
QUARTER MEAN							
MAXIMUM							

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure qualified personnel properly gather and evaluate the information submitted based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature: R. Nordhaus

WDID NO.: 7A1310570011
ORDER NO.: R7-2003-0054
NPDES NO.: CA0104841

MONITORING AND REPORTING PROGRAM
FOR DATE GARDENS MOBILE HOME PARK
QUARTER Dec
QUARTERLY REPORT

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REGION 7

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CALI(NIA REGIONAL WATER QUALITY CONT L BOARD
COLORADO RIVER BASIN

REPORTING FREQUENCY: **QUARTERLY** YEAR 2004

TYPE OF SAMPLE:	RECEIVING WATER - R2 (DOWNSTREAM)					EFFLUENT	
CONSTITUENTS	DO	Hydrogen Ion	Chlorine	E. Coli		20°C BOD_5	Sus. Solids
FREQUENCY	Quarterly	Quarterly	Quarterly	Quarterly			
DESCRIPTION	Grab	Grab	Grab	Grab		% Removal	% Removal
UNITS	mg/L	pH Units	mg/L	MPN/100mL			
REQUIREMENTS							
30-DAY MEAN						85%	85%
MINIMUM	5.0	6.0					
MAXIMUM		9.0	0.02	400			
DATE OF SAMPLE							
0.009885							
0.00878							
0.01096							
0.00942							
0.008114							
0.008685							
0.01028							
0.008254							
0.009852							
0.008663							
0.010681							
0.009285							
0.10558							
0.009285							
0.008519							
0.009285							
0.010265							
0.010276							
0.007954	9.1	8.07				2	17
0.01124							
0.009851							
0.008675							
0.010267							
0.00952							
0.008892							
0.009236							
0.010369							
0.009626							
0.008896							
0.01055							
31 0.009812							
QUARTER MEAN							
MAXIMUM							

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure qualified personnel properly gather and evaluate the information submitted based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature: R. Vandergraff

WDID NO.: **7A1310570011**
ORDER NO.: **R7-2003-0054**
NPDES NO.: **CA0104841**
REPORTING FREQUENCY: **QUARTERLY**

MONITORING AND REPORTING PROGRAM
FOR DATE GARDENS MOBILE HOME PARK
QUARTER _____
YEAR _____

QUARTERLY REPORT

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COLORADO RIVER BASIN

1. Is there receiving water at Station R-1? Yes No
If the answer is no proceed to Station R-2 Section, otherwise continue with the following questions.
PLEASE CIRCLE THE APPROPRIATE ANSWER

Station R-1 Section (The following questions refer to Station R-1)

1. Is there the presence of floating or suspended matter present?	Yes	No
2. Is there discoloration present?	Yes	No
3. Is there aquatic life present?	Yes	No
4. Is there visible film, sheen or coating present?	Yes	No
5. Is there fungi, slime or objectable growths present?	Yes	No
6. Is there potential nuisance conditions present?	Yes	No

Station R-2 Section (The following questions refer to Station R-2)

Is there the presence of floating or suspended matter present?	Yes	No
Is there discoloration present?	Yes	No
Is there aquatic life present?	Yes	No
Is there visible film, sheen or coating present?	Yes	No
Is there fungi, slime or objectable growths present?	Yes	No
Is there potential nuisance conditions present?	Yes	No

Any additional comments.

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure qualified personnel properly gather and evaluate the information submitted based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature: R. Vandergrift

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QUARTERLY REPORT

1

BACTERIOLOGICAL ANALYSIS OF WATER LAB NO: M7594
TESTED AT ATS LABORATORIES, BRAWLEY, CA DATE
RECEIVED: 12-20-04 1145AM ANALYSIS:

SAMPLED FROM CLIENT: DISTRICT
DATE GARDENS
SAMPLED BY: RV
DATE/TIME: 12-20-04 1000AM
TYPE OF SAMPLE: RAW
CHLORINE RESIDUE: UV
SITE CODE: 21-2
SAMPLE SITE: FINAL EFFLUENT

TOTAL COLIFORM ABSENCE
FECAL COLIFORM = ABSENCE
E COLI = ABSENCE
DILUTION: 1.0, 0.1, 0.01 ML

ANALYST: LLW/MO COLIFORM=<20/FECAL=<20/ECOLI=<20/100ML
DATE START: 12-20-04 TIME START: 1200PM
DATE COMPLETED: 12-22-04 TIME COMPLETED: 900AM
DATE REPORTED: 12-22-04 METHOD: 9221B/E/F
ATS LABORATORIES 104 S 8TH ST., BRAWLEY, CA 92227
LAB DIRECTOR: LINDA L WEBSTER , PHONE 760-344-2532

1

BACTERIOLOGICAL ANALYSIS OF WATER LAB NO: M7589
TESTED AT ATS LABORATORIES, BRAWLEY, CA DATE
RECEIVED: 12-20-04 1040AM ANALYSIS:

SAMPLED FROM CLIENT: DISTRICT:
NILAND SANITARY
SAMPLED BY: MIA
DATE/TIME: 12-20-04 945AM
TYPE OF SAMPLE: RAW
CHLORINE RESIDUE: 0
SITE CODE 120
SAMPLE SITE: EFF DISC

TOTAL COLIFORM = PRESENCE
FECAL COLIFORM = PRESENCE
E COLI = PRESENCE
DILUTION: 1.0, 0.1, 0.01 ML

ANALYST: LLW/MO COLIFORM=>=16000/FECAL=2400/ECOLI=[illegible]/100ML
DATE START: 12-20-04 TIME START: 1100AM
DATE COMPLETED: 12-22-04 TIME COMPLETED: 900AM
DATE REPORTED: 12-22-04 METHOD NAME: 9221B/E/F
ATS LABORATORIES 104 S 8TH ST., BRAWLEY, CA 92227
LAB DIRECTOR, LINDA L WEBSTER, PHONE 760-344-2532

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REGION 7

Date Gardens

M

BACTERIOLOGICAL ANALYSIS OF WATER LAB NO: M7486-3
TESTED AT ATS LABORATORIES, BRAWLEY, CA DATE
RECEIVED: 12-6-04 915AM ANALYSIS:

SAMPLED FROM CLIENT: DISTRICT
CITY OF CALEXICO WWTP

SAMPLED BY: MJB
DATE/TIME: 12-6-04 825AM
TYPE OF SAMPLE: RAW
CHLORINE RESIDUE: UV
SITE CODE: 192-3
SAMPLE SITE: DOWN 61.7KVA 3.35MGD

TOTAL COLIFORM = PRESENCE
FECAL COLIFORM = PRESENCE
E COLI = PRESENCE
DILUTION: 1.0, 0.1, 0.01 ML

ANALYST: LLW/MO COLIFORM=2400/FECAL=800/ECOLI=230/100ML
DATE START: 12-6-04 TIME START: 1000AM
DATE COMPLETED: 12-8-04 TIME COMPLETED: 700AM
DATE REPORTED: 12-9-04 METHOD: 9221B/E/F
ATS LABORATORIES 104 S 8TH ST., BRAWLEY, CA 92227
LAB DIRECTOR: LINDA L WEBSTER , PHONE 760-344-2532

BACTERIOLOGICAL ANALYSIS OF WATER LAB NO: M7490
TESTED AT ATS LABORATORIES, BRAWLEY, CA DATE
RECEIVED: 12-6-04 950AM ANALYSIS:

SAMPLED FROM CLIENT: DISTRICT:
DATE GARDENS MOBILE PARK

SAMPLED BY: RV
DATE/TIME: 12-6-04
TYPE OF SAMPLE: RAW
CHLORINE RESIDUE: UV
SITE CODE 21-2
SAMPLE SITE: FINAL EFFLUENT

2

TOTAL COLIFORM = ABSENCE
FECAL COLIFORM = ABSENCE
E COLI = ABSENCE
DILUTION: 1.0, 0.1, 0.01 ML

ANALYST: LLW/MO COLIFORM=<20/FECAL=<20/ECOLI=<20/100ML
DATE START: 12-6-04 TIME START: 845AM
DATE COMPLETED: 12-8-04 TIME COMPLETED: 700AM
DATE REPORTED: 12-9-04 METHOD NAME: 9221B/E/F
ATS LABORATORIES 104 S 8TH ST., BRAWLEY, CA 92227
LAB DIRECTOR, LINDA L WEBSTER, PHONE 760-344-2532

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BACTERIOLOGICAL ANALYSIS OF WATER LAB NO:
TESTED AT ATS LABORATORIES, BRAWLEY, CA DATE M7542
RECEIVED: 12-13-04 1200PM ANALYSIS:

SAMPLED FROM CLIENT: DISTRICT

DATE GARDENS MOBILE PARK

SAMPLED BY: RV
DATE/TIME: 12-13-04 1015AM
TYPE OF SAMPLE: RAW
CHLORINE RESIDUE: IV
SITE CODE: 21-2
SAMPLE SITE: FINAL EFFLUENT

3

TOTAL COLIFORM ABSENCE
FECAL COLIFORM = ABSENCE
E COLI = ABSENCE

DILUTION: 1.0, 0.1, 0.01 ML

ANALYST: LLW/MO COLIFORM=<20/FECAL=<20/ECOLI=<20/100ML
DATE START: 12-13-04 TIME START: 1215PM
DATE COMPLETED: 12-15-04 TIME COMPLETED: 1100AM
DATE REPORTED: 12-15-04 METHOD: 9221B/E/F
ATS LABORATORIES 104 S 8TH ST., BRAWLEY, CA 92227
LAB DIRECTOR: LINDA L WEBSTER , PHONE 760-344-2532

BACTERIOLOGICAL ANALYSIS OF WATER LAB NO: M7591-1
TESTED AT ATS LABORATORIES, BRAWLEY, CA DATE
RECEIVED: 12-13-04 100PM ANALYSIS:

R1

SAMPLED FROM CLIENT: DISTRICT:

DATE GARDEN MOBILE PARK

SAMPLED BY: ROD
DATE/TIME: 12-13-04
TYPE OF SAMPLE: RAW
CHLORINE RESIDUE: 0
SITE CODE 21-3
SAMPLE SITE: R1

TOTAL COLIFORM = PRESENCE
FECAL COLIFORM = PRESENCE
E COLI = PRESENCE

DILUTION: 1.0, 0.1, 0.01 ML

ANALYST: LLW/MO COLIFORM=>=16000/FECAL=230/ECOLI=230/100ML
DATE START: 12-13-04 TIME START: 115PM
DATE COMPLETED: 12-15-04 TIME COMPLETED: 1100AM
DATE REPORTED: 12-15-04 METHOD NAME: 9221B/E/F
ATS LABORATORIES 104 S 8TH ST., BRAWLEY, CA 92227
LAB DIRECTOR, LINDA L WEBSTER, PHONE 760-344-2532

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BACTERIOLOGICAL ANALYSIS OF WATER LAB NO:
TESTED AT ATS LABORATORIES, BRAWLEY, CA DATE M7555
RECEIVED: 12-14-04 940AM ANALYSIS:

SAMPLED FROM CLIENT: DISTRICT

CITY OF BRAWLEY WWTP

SAMPLED BY: CARLOS
DATE/TIME: 12-13-04 930AM
TYPE OF SAMPLE: RAW
CHLORINE RESIDUE: UV
SITE CODE: 265
SAMPLE SITE: FINAL EFFLUENT

TOTAL COLIFORM = PRESENCE
FECAL COLIFORM = PRESENCE
E COLI = PRESENCE
DILUTION: 1.0, 0.1, 0.01 ML

ANALYST: LLW/MO COLIFORM=5000/FECAL=800/ECOLI=300/100ML
DATE START: 12-14-04 TIME START: 1000AM
DATE COMPLETED: 12-16-04 TIME COMPLETED: 700AM
DATE REPORTED: 12-16-04 METHOD: 9221B/E/F

ATS LABORATORIES 104 S 8TH ST., BRAWLEY, CA 92227
LAB DIRECTOR: LINDA L WEBSTER , PHONE 760-344-2532

BACTERIOLOGICAL ANALYSIS OF WATER LAB NO: M7559
TESTED AT ATS LABORATORIES, BRAWLEY, CA DATE
RECEIVED: 12-14-04 1015AM ANALYSIS:

SAMPLED FROM CLIENT: DISTRICT:

DATE GARDENS MOBILE PARK

SAMPLED BY: RV
DATE/TIME: 12-14-04 730AM
TYPE OF SAMPLE: RAW
CHLORINE RESIDUE: UV
SITE CODE 21-2
SAMPLE SITE: FINAL EFFLUENT

4

TOTAL COLIFORM = ABSENCE
FECAL COLIFORM = ABSENCE
E COLI = ABSENCE
DILUTION: 1.0, 0.1, 0.01 ML

ANALYST: LLW/MO COLIFORM=5000/FECAL=1300/ECOLI=1300/100ML
DATE START: 12-14-04 TIME START: 1030AM
DATE COMPLETED: 12-16-04 TIME COMPLETED: 700AM
DATE REPORTED: 12-16-04 METHOD NAME: 9221B/E/F

ATS LABORATORIES 104 S 8TH ST., BRAWLEY, CA 92227
LAB DIRECTOR, LINDA L WEBSTER, PHONE 760-344-2532

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SECTION 7

BACTERIOLOGICAL ANALYSIS OF WATER LAB NO: M7613
TESTED AT ATS LABORATORIES, BRAWLEY, CA DATE
RECEIVED: 12-27-04 1000AM ANALYSIS:

SAMPLED FROM CLIENT: DISTRICT

DATE GARDENS

SAMPLED BY: ROD
DATE/TIME: 12-27-04
TYPE OF SAMPLE: RAW
CHLORINE RESIDUE: UV
SITE CODE: 21-2
SAMPLE SITE: FINAL EFFLUENT

5

TOTAL COLIFORM ABSENCE
FECAL COLIFORM = ABSENCE
E COLI = ABSENCE
DILUTION: 1.0, 0.1, 0.01 ML

ANALYST: LLW/MO COLIFORM=<20/FECAL=<20/ECOLI=<20/100ML
DATE START: 12-27-04 TIME START: 1030AM
DATE COMPLETED: 12-29-04 TIME COMPLETED: 730AM
DATE REPORTED: 12-29-04 METHOD: 9221B/E/F
ATS LABORATORIES 104 S 8TH ST., BRAWLEY, CA 92227
LAB DIRECTOR: LINDA L WEBSTER, PHONE 760-344-2532

BACTERIOLOGICAL ANALYSIS OF WATER LAB NO: M7620
TESTED AT ATS LABORATORIES, BRAWLEY, CA DATE
RECEIVED: 12-27-04 1140AM ANALYSIS:

SAMPLED FROM CLIENT: DISTRICT:

CITY OF IMPERIAL WWTP

SAMPLED BY: TONY
DATE/TIME: 12-27-04 1045AM
TYPE OF SAMPLE: RAW
CHLORINE RESIDUE: UV
SITE CODE 145
SAMPLE SITE: FINAL EFFLUENT

TOTAL COLIFORM = ABSENCE
FECAL COLIFORM = ABSENCE
E COLI = ABSENCE
DILUTION: 1.0, 0.1, 0.01 ML

ANALYST: LLW/MO COLIFORM=<20/FECAL=<20/ECOLI=<20/100ML
DATE START: 12-27-04 TIME START: 1145AM
DATE COMPLETED: 12-29-04 TIME COMPLETED: 730AM
DATE REPORTED: 12-29-4 METHOD NAME: 9221B/E/F
ATS LABORATORIES 104 S 8TH ST., BRAWLEY, CA 92227
LAB DIRECTOR, LINDA L WEBSTER, PHONE 760-344-2532

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BACTERIOLOGICAL ANALYSIS OF WATER LAB NO:
TESTED AT ATS LABORATORIES, BRAWLEY, CA DATE M7551-2
RECEIVED: 12-13-04 100PM ANALYSIS:

SAMPLED FROM CLIENT: DISTRICT
DATE GARDENS MOBILE PARK

SAMPLED BY: ROD
DATE/TIME: 12-13-04
TYPE OF SAMPLE: RAW
CHLORINE RESIDUE: 0
SAMPLE SITE: R2

SITE CODE: 21-4

R2

TOTAL COLIFORM PRESENCE DILUTION: 1.0, 0.1, 0.01 ML
FECAL COLIFORM = PRESENCE
E COLI = PRESENCE

ANALYST: LLW/MO COLIFORM=>=16000/FECAL=300/ECOLI=300/100ML
DATE START: 12-13-04 TIME START: 115PM
DATE COMPLETED: 12-15-04 TIME COMPLETED: 1100AM
DATE REPORTED: 12-15-04 METHOD: 9221B/E/F
ATS LABORATORIES 104 S 8TH ST., BRAWLEY, CA 92227
LAB DIRECTOR: LINDA L WEBSTER , PHONE 760-344-2532

BACTERIOLOGICAL ANALYSIS OF WATER LAB NO: M7531
TESTED AT ATS LABORATORIES, BRAWLEY, CA DATE
RECEIVED: 12-13-04 945AM ANALYSIS:

SAMPLED FROM CLIENT: DISTRICT:
NILAND SANITARY

SAMPLED BY: EDDIE
DATE/TIME: 12-13-04 745AM
TYPE OF SAMPLE: RAW
CHLORINE RESIDUE: 0
SAMPLE SITE: BFP DISC

SITE CODE 120

TOTAL COLIFORM = PRESENCE DILUTION: 1.0, 0.1, 0.01 ML
FECAL COLIFORM = PRESENCE
E COLI = PRESENCE

ANALYST: LLW/MO COLIFORM=>=16000/FECAL=5000/ECOLI=700/100ML
DATE START: 12-13-04 TIME START: 100AM
DATE COMPLETED: 12-15-04 TIME COMPLETED: 700AM
DATE REPORTED: 12-15-04 METHOD NAME: 9221B/E/F
ATS LABORATORIES 104 S 8TH ST., BRAWLEY, CA 92227
LAB DIRECTOR, LINDA L WEBSTER, PHONE 760-344-2532

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REGION 7

Imperial Valley Environmental Laboratory
331 West 2nd Street
Calexico CA, 92231
(Tel) 760-357-8764
(Fax) 760-357-8765
ELAP Certification # 2524

Date Gardens:

Dear Rocky,

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving water to Freshwater Organisms, EPA-600/4-90/027F- Fourth Edition (Acute), EPA 600/4-92/002- Third Edition (chronic).

Sample Information:
Client: Date Gardens
Sample ID: Date Gardens Effluent
Sample Date: 12/14/04, 12/15/04, 12/17/04
Date received: 12/14/04, 12/15/04, 12/17/04
Sampling Method: 24 hr. Composite
Test Material: Effluent
IVE Lab No.: D&G - 422B,425B,428B

Test Initiation: 12/14/04 (ceriodaphnia d.), 12/14/04 (fathead minnow)
Test Termination:12/21/04 (ceriodaphnia d.), 12/21/04 (fathead minnow)
Test Organisms: Ceridaphnia dubia (water flea) & Pimephales promelas- fathead
Test Organism Source/ Age: in-house culture <24hours (Ceriodaphnia dubia)
in-house culture <24hours (Pimephales Promelas)
Dilution Water: EPA Standard Lab Synthetic Water
Test Concentrations: Control, 6.25, 12.5, 25, 50, 100%
Statistical Analysis Software: TOXCALC, ver. 5.023

Test Type & Species	Test No./ID	NOEC/LC50 (%effluent)	LOEC (%effluent)	Toxicity Unit (tu)
Acute Test-96 hour		LC50 (%surv. In 100%)		
Ceriodaphnia dubia*	002a-D&G	45.83(0% survival)	N/A	2.18
Fathead Minnow*	002b-D&G	>100(100% survival)	N/A	<.59
Chronic Test				
Ceriodaphnia dubia				
Survival	002a-D&G	25	50	4.0
Reproduction	002a-D&G	25	50	4.0
Fathead Minnow				
Survial	002b-D&G	100	>100	1.0
Growth	002b-D&G	50	100	2.0

*Acute results were derived from 96-hour survival data.

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Verification of Laboratory Results/ Date:

Imperial Valley Environmental Laboratory
331 West 2nd Street
Calexico CA, 92231

Sample Check In Sheet

Client: Date Gardens

Test Initiation Date: 12-14-04

Sample ID: 422B, 425B, 428B

Test No.: Acute & Chronic

Test(s) performed: C. Dubia + F. Minnow D&G 002a+b

	Sample		
	1	2	3
Check in Temp.	20°C	16°C	24.5°C
D.O. (mg/L)	7.80	8.67	7.78
pH	7.22	7.61	7.67
Conductivity (umhos-cm)	1530	1700	1680
Alkalinity (mg/L)	126	118	122
Hardness(mg/L)	360	372	386
Total Free Chlorine (mg/L)	<.2	<.2	<.2
Ammonia (mg/L)	<.1	<.1	<.1

Sample Description:

Lab # : 422B- mostly clear effluent - no odor - no debris

Lab # : 425B- opaque in color - no debris - no odor

Lab # : 428B- clear effluent - no odor / debris

Sample Filtration or Aeration needed? no

pH adjustment needed? no

Sample shipped Via: Picked up

Comments: None

Analyst: J.D

Reviewed by: M.O

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Ceriodaphnia Dubia

Test Results

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Ceriodaphnia Survival and Reproduction Test-7 Day Survival

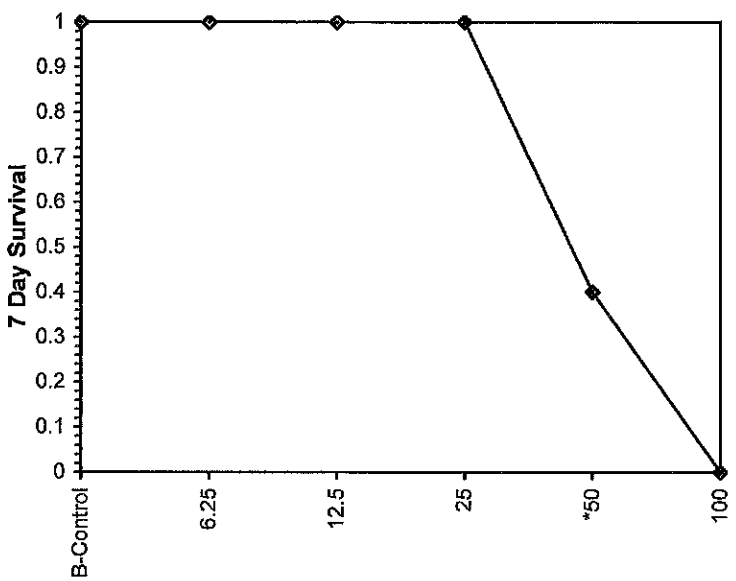
Start Date:	12/14/2004	Test ID:	002a D&G	Sample ID:	
End Date:	12/21/2004	Lab ID:	002A D&G	Sample Type:	EFF1-POTW
Sample Date:	12/14/2004	Protocol:	EPA----EPA-821-R-02-013 Cl	Test Species:	CD-Ceriodaphnia dubia
Comments:					

Conc-%	1	2	3	4	5	6	7	8	9	10
B-Control	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000	0.0000
100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Conc-%	Mean	N-Mean	Resp	Not Resp	Total	N	Fisher's Exact P	1-Tailed Critical
B-Control	1.0000	1.0000	0	10	10	10		
6.25	1.0000	1.0000	0	10	10	10	1.0000	0.0500
12.5	1.0000	1.0000	0	10	10	10	1.0000	0.0500
25	1.0000	1.0000	0	10	10	10	1.0000	0.0500
*50	0.4000	0.4000	6	4	10	10	0.0054	0.0500
100	0.0000	0.0000	10	0	10	10		

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Fisher's Exact Test	25	50	35.3553	4
Treatments vs B-Control				

Dose-Response Plot



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 ToxCalc v5.0.23 Reviewed by: M.O

Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date:	12/14/2004	Test ID:	002a D&G	Sample ID:	
End Date:	12/21/2004	Lab ID:	002A D&G	Sample Type:	EFF1-POTW
Sample Date:	12/14/2004	Protocol:	EPA----EPA-821-R-02-013 Cl	Test Species:	CD-Ceriodaphnia dubia
Comments:					

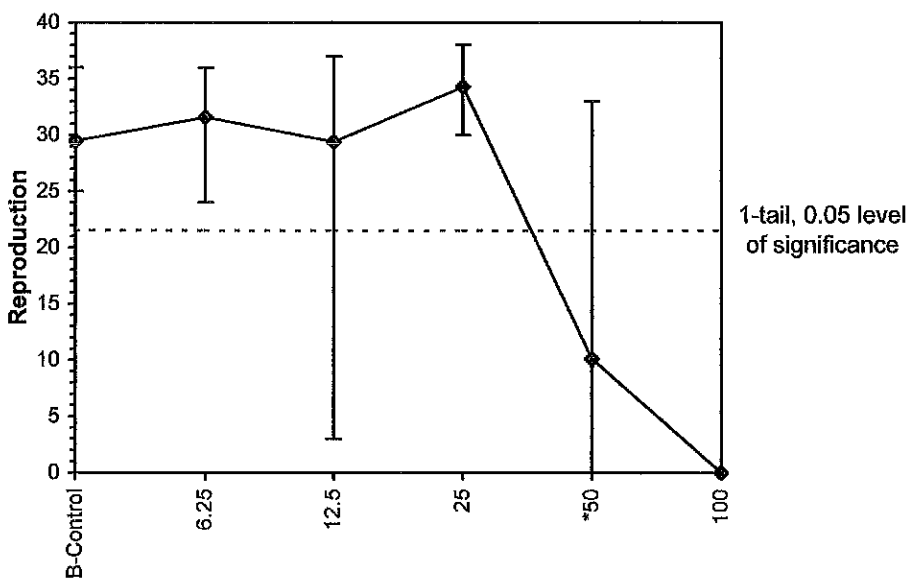
Conc-%	1	2	3	4	5	6	7	8	9	10
B-Control	31.000	36.000	27.000	28.000	26.000	31.000	25.000	31.000	27.000	33.000
6.25	34.000	35.000	24.000	36.000	33.000	32.000	27.000	31.000	31.000	33.000
12.5	37.000	23.000	33.000	34.000	35.000	32.000	34.000	29.000	3.000	34.000
25	35.000	37.000	36.000	30.000	34.000	33.000	30.000	36.000	34.000	38.000
50	33.000	0.000	25.000	0.000	0.000	0.000	0.000	28.000	15.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

			Transform: Untransformed						1-Tailed	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD
B-Control	29.500	1.0000	29.500	25.000	36.000	11.770	10			
6.25	31.600	1.0712	31.600	24.000	36.000	11.575	10	-0.584	2.223	7.993
12.5	29.400	0.9966	29.400	3.000	37.000	34.210	10	0.028	2.223	7.993
25	34.300	1.1627	34.300	30.000	38.000	7.901	10	-1.335	2.223	7.993
*50	10.100	0.3424	10.100	0.000	33.000	136.192	10	5.396	2.223	7.993
100	0.000	0.0000	0.000	0.000	0.000	0.000	10			

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.93107	0.93	-0.1403	3.29737
Bartlett's Test indicates unequal variances (p = 8.73E-07)	33.6643	13.2767		

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test	25	50	35.3553	4	7.99343	0.27096	930.17	64.6289	1.2E-07	4, 45
Treatments vs B-Control										

Dose-Response Plot



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 ToxCalc v5.0.23 Reviewed by: M.O

Ceriodaphnia Survival and Reproduction Test-96 Hr Survival

Start Date:	12/14/2004	Test ID:	002a D&G	Sample ID:	
End Date:	12/21/2004	Lab ID:	002A D&G	Sample Type:	EFF1-POTW
Sample Date:	12/14/2004	Protocol:	EPA---EPA-821-R-02-013 Cl	Test Species:	CD-Ceriodaphnia dubia
Comments:					

Conc-%	1	2	3	4	5	6	7	8	9	10
B-Control	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000	0.0000
100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

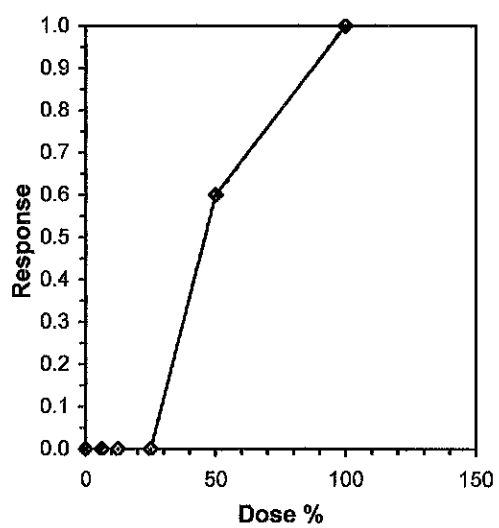
			Transform: Arcsin Square Root						1-Tailed		Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
B-Control	1.0000	1.0000	1.0472	1.0472	1.0472	0.000	10				1.0000	1.0000
6.25	1.0000	1.0000	1.0472	1.0472	1.0472	0.000	10	0.000	2.223	0.1202	1.0000	1.0000
12.5	1.0000	1.0000	1.0472	1.0472	1.0472	0.000	10	0.000	2.223	0.1202	1.0000	1.0000
25	1.0000	1.0000	1.0472	1.0472	1.0472	0.000	10	0.000	2.223	0.1202	1.0000	1.0000
*50	0.4000	0.4000	0.7330	0.5236	1.0472	36.886	10	5.809	2.223	0.1202	0.4000	0.4000
100	0.0000	0.0000	0.5236	0.5236	0.5236	0.000	10				0.0000	0.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.01)	0.60322	0.93	0.94135	3.26884
Equality of variance cannot be confirmed				

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test	25	50	35.3553	4	0.11032	0.14709	0.19739	0.01462	2.6E-07	4, 45
Treatments vs B-Control										

Linear Interpolation (200 Resamples)

Point	%	SD	95% CL		Skew
IC05	27.083	0.766	26.389	29.167	2.6291
IC10	29.167	1.532	27.778	33.333	2.6291
IC15	31.250	2.297	29.167	37.500	2.6291
IC20	33.333	3.063	30.556	41.667	2.6291
IC25	35.417	3.594	31.944	45.833	2.1649
IC40	41.667	5.166	36.111	57.143	1.5245
IC50	45.833	6.542	38.889	64.286	1.2735



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Test: CD-Ceriodaphnia Survival and Reproduction Test — Test ID: 002a D&G
Species: CD-Ceriodaphnia dubia — Protocol: EPA----EPA-821-R-02-013 Chronic
Sample ID: — Sample Type: EFF1-POTW
Start Date: 12/14/2004 — End Date: 12/21/2004 — Lab ID: 002A D&G

Pos	ID	Rep	Group	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Sex	Number of Young
1	20	10	6.250	1	1	1	1	1/6	1/10	1/1	1/16		
2	8	8	B-Control	1	1	1	1	1/5	1/9	1	1/17		
3	55	5	100.000	1	0								
4	12	2	6.250	1	1	1	1	1/6	1/12	1	1/17		
5	37	7	25.000	1	1	1	1	1/6	1/9	1	1/15		
6	7	7	B-Control	1	1	1	1	1/2	1	1/9	1/14		
7	38	8	25.000	1	1	1	1	1/6	1	1/14	1/16		
8	40	10	25.000	1	1	1	1	1/6	1	1/13	1/19		
9	5	5	B-Control	1	1	1	1	1/3	1	1/10	1/13		
10	21	1	12.500	1	1	1	1	1/6	1	1/11	1/20		
11	15	5	6.250	1	1	1	1	1/5	1	1/10	1/18		
12	31	1	25.000	1	1	1	1	1/8	1	1/12	1/15		
13	45	5	50.000	1	1	1	1	0					
14	54	4	100.000	1	0								
15	1	1	B-Control	1	1	1	1	1/5	1	1/11	1/15		
16	27	7	12.500	1	1	1	1	1/6	1	1/12	1/16		
17	52	2	100.000	1	0								
18	57	7	100.000	1	0								
19	43	3	50.000	1	1	1	1	1/3	1	1/9	1/13		
20	16	6	6.250	1	1	1	1	1/6	1	1/11	1/15		
21	23	3	12.500	1	1	1	1	1/6	1	1/9	1/18		
22	3	3	B-Control	1	1	1	1	1/4	1/1	1/8	1/14		
23	19	9	6.250	1	1	1	1	1/6	1	1/13	1/12		
24	9	9	B-Control	1	1	1	1	1/6	1	1/10	1/11		
25	50	10	50.000	1	1	1	1	0					
26	4	4	B-Control	1	1	1	1	1/7	1	1/10	1/11		
27	60	10	100.000	1	0								
28	11	1	6.250	1	1	1	1	1/7	1	1/14	1/13		
29	42	2	50.000	1	1	1	1	0					
30	17	7	6.250	1	1	1	1	1/6	1	1/7	1/14		
31	48	8	50.000	1	1	1	1	1/4	1/1	1/10	1/13		
32	49	9	50.000	1	1	1	1	1	+	1/5	1/10		
33	30	10	12.500	1	1	1	1	1/6	1/1	1/11	1/16		
34	36	6	25.000	1	1	1	1	1/6	1	1/12	1/15		
35	39	9	25.000	1	1	1	1	1/7	1	1/12	1/15		
36	10	10	B-Control	1	1	1	1	1/7	1	1/10	1/16		
37	33	3	25.000	1	1	1	1	1/7	1	1/13	1/16		
38	25	5	12.500	1	1	1	1	1/6	1	1/12	1/17		
39	22	2	12.500	1	1	1	1	1/6	1	1/9	1/8		
40	51	1	100.000	1	0								
41	6	6	B-Control	1	1	1	1	1/5	1	1/10	1/16		
42	2	2	B-Control	1	1	1	1	1/6	1	1/10	1/20		
43	34	4	25.000	1	1	1	1	1/6	1	1/10	1/14		
44	46	6	50.000	1	1	1	1	0					
45	58	8	100.000	1	0								
46	13	3	6.250	1	1	1	1	1/3	1	1/9	1/12		
47	18	8	6.250	1	1	1	1	1/5	1	1/10	1/16		
48	32	2	25.000	1	1	1	1	1/9	1	1/11	1/17		
49	28	8	12.500	1	1	1	1	1/6	1	1/11	1/12		
50	59	9	100.000	1	0								
51	47	7	50.000	1	1	1	1	0					
52	35	5	25.000	1	1	1	1	1/6	1	1/10	1/18		
53	26	6	12.500	1	1	1	1	1/7	1	1/10	1/15		

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Test: CD-Ceriodaphnia Survival and Reproduction Test
Species: CD-Ceriodaphnia dubia
Sample ID:
Start Date: 12/14/2004 End Date: 12/21/2004

Test ID: 002a D&G
Protocol: EPA----EPA-821-R-02-013 Chronic
Sample Type: EFF1-POTW
Lab ID: 002A D&G

Pos	ID	Rep	Group	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Sex	Number of Young
54	41	1	50.000	1	1	1	1	1/5	1	1/13	1/15		
55	14	4	6.250	1	1	1	1	1/6	1	1/11	1/19		
56	29	9	12.500	1	1	1	1	1	1	1	1/3		
57	53	3	100.000	1	0								
58	24	4	12.500	1	1	1	1	1/6	1	1/10	1/18		
59	44	4	50.000	1	1	1	1	0					
60	56	6	100.000	1	0								

Comments:

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Ceriodaphnia Dubia

Date 12-14-04

Client Date Gardens

Test ID 05G002a

Renewal and Feeding times log.

Day 1
Renewal Time 2:30p Feeding time 1 3:10p Initials J.O

Day 2
Renewal Time 1:19p Feeding time 1 2:00p Initials J.O

Day 3
Renewal Time 1:25p Feeding time 1 2:16p Initials J.O

Day 4
Renewal Time 12:40p Feeding time 1 1:39p Initials J.O

Day 5
Renewal Time 1:10p Feeding time 1 2:23p Initials J.O

Day 6
Renewal Time 11:56A Feeding time 1 12:55p Initials J.O

Day 7
Termination Time 1:10p Initials J.O

Test Initiation Date/ Time 12-14-04, 2:46p

Test End Date/ Time 12/21/04 1:10p

Analyst J.O Reviewed by M.O

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Fathead Minnow

Test Results

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Larval Fish Growth and Survival Test-7 Day Survival

Start Date:	12/14/2004	Test ID:	002a D&G	Sample ID:	
End Date:	12/21/2004	Lab ID:	002A D&G	Sample Type:	EFF1-POTW
Sample Date:	12/14/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:					

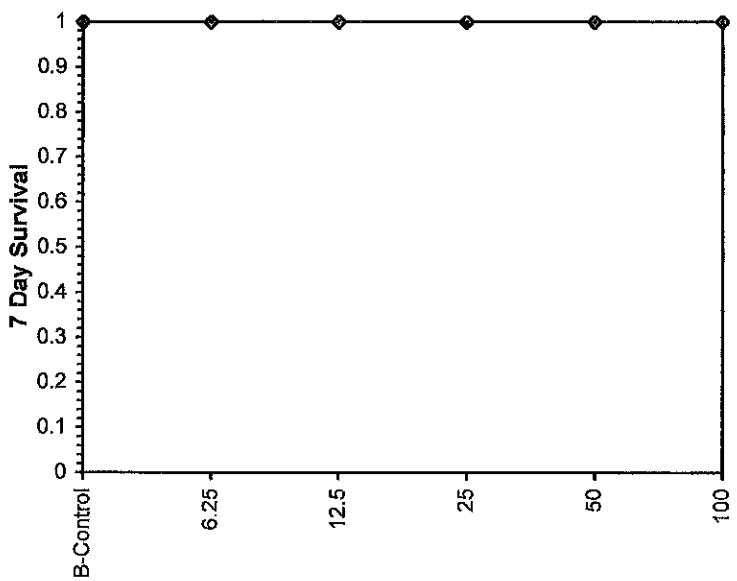
Conc-%	1	2	3	4
B-Control	1.0000	1.0000	1.0000	1.0000
6.25	1.0000	1.0000	1.0000	1.0000
12.5	1.0000	1.0000	1.0000	1.0000
25	1.0000	1.0000	1.0000	1.0000
50	1.0000	1.0000	1.0000	1.0000
100	1.0000	1.0000	1.0000	1.0000

			Transform: Arcsin Square Root					Rank	1-Tailed
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	Sum	Critical
B-Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4		
6.25	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4	18.00	10.00
12.5	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4	18.00	10.00
25	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4	18.00	10.00
50	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4	18.00	10.00
100	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4	18.00	10.00

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	1	0.884		
Equality of variance cannot be confirmed				

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Steel's Many-One Rank Test	100	>100		1
Treatments vs B-Control				

Dose-Response Plot



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Larval Fish Growth and Survival Test-7 Day Biomass

Start Date:	12/14/2004	Test ID:	002a D&G	Sample ID:	
End Date:	12/21/2004	Lab ID:	002A D&G	Sample Type:	EFF1-POTW
Sample Date:	12/14/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:					

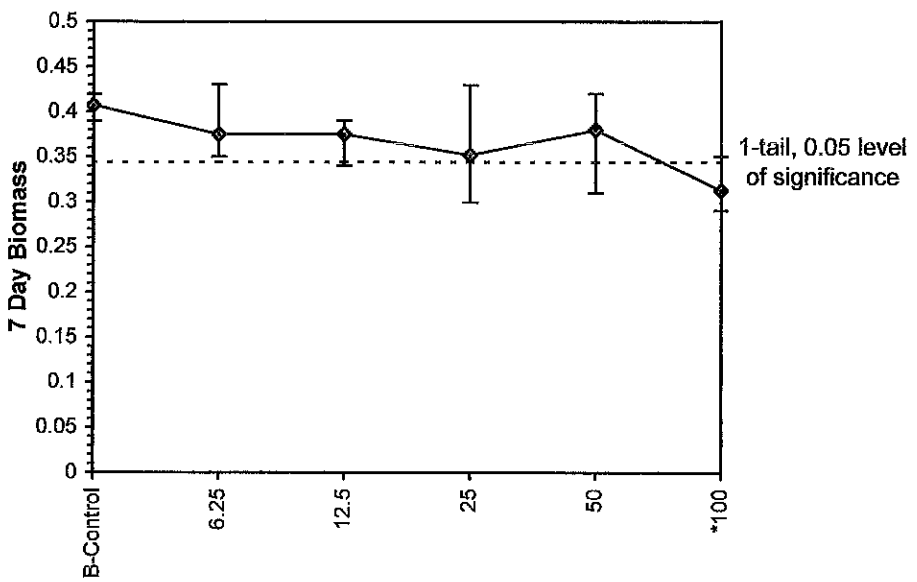
Conc-%	1	2	3	4
B-Control	0.4200	0.4100	0.3900	0.4100
6.25	0.3500	0.4300	0.3600	0.3600
12.5	0.3800	0.3900	0.3400	0.3900
25	0.3500	0.3300	0.3000	0.4300
50	0.3100	0.4000	0.4200	0.3900
100	0.3000	0.2900	0.3100	0.3500

			Transform: Untransformed						1-Tailed	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD
B-Control	0.4075	1.0000	0.4075	0.3900	0.4200	3.088	4			
6.25	0.3750	0.9202	0.3750	0.3500	0.4300	9.858	4	1.243	2.410	0.0630
12.5	0.3750	0.9202	0.3750	0.3400	0.3900	6.348	4	1.243	2.410	0.0630
25	0.3525	0.8650	0.3525	0.3000	0.4300	15.774	4	2.103	2.410	0.0630
50	0.3800	0.9325	0.3800	0.3100	0.4200	12.712	4	1.051	2.410	0.0630
*100	0.3125	0.7669	0.3125	0.2900	0.3500	8.416	4	3.632	2.410	0.0630

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.97994	0.884	0.24827	0.71696
Bartlett's Test indicates equal variances (p = 0.28)	6.29847	15.0863		

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test Treatments vs B-Control	50	100	70.7107	2	0.06303	0.15468	0.00409	0.00137	0.03875	5, 18

Dose-Response Plot



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 ToxCalc v5.0.23 Reviewed by: M.O

Larval Fish Growth and Survival Test-96 Hr Survival

Start Date:	12/14/2004	Test ID:	002a D&G	Sample ID:	
End Date:	12/21/2004	Lab ID:	002A D&G	Sample Type:	EFF1-POTW
Sample Date:	12/14/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:					

Conc-%	1	2	3	4
B-Control	1.0000	1.0000	1.0000	1.0000
6.25	1.0000	1.0000	1.0000	1.0000
12.5	1.0000	1.0000	1.0000	1.0000
25	1.0000	1.0000	1.0000	1.0000
50	1.0000	1.0000	1.0000	1.0000
100	1.0000	1.0000	1.0000	1.0000

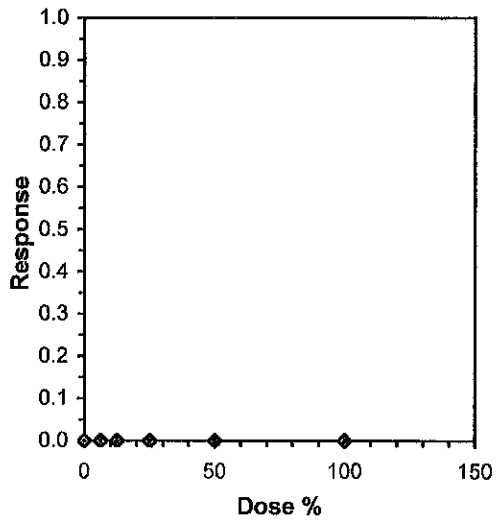
			Transform: Arcsin Square Root					Rank	1-Tailed	Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	Sum	Critical	Mean	N-Mean
B-Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4			1.0000	1.0000
6.25	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4	18.00	10.00	1.0000	1.0000
12.5	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4	18.00	10.00	1.0000	1.0000
25	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4	18.00	10.00	1.0000	1.0000
50	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4	18.00	10.00	1.0000	1.0000
100	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	4	18.00	10.00	1.0000	1.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	1	0.884		
Equality of variance cannot be confirmed				

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Steel's Many-One Rank Test	100	>100		1
Treatments vs B-Control				

Linear Interpolation (200 Resamples)

Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



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 ToxCalc v5.0.23 Reviewed by: MO

Test: LF-Larval Fish Growth and Survival Test
Species: PP-Pimephales promelas
Sample ID:
Start Date: 12/14/2004 End Date: 12/21/2004

Test ID: 002a D&G
Protocol: EPA----EPA-821-R-02-013 Chronic
Sample Type: EFF1-POTW
Lab ID: 002A D&G

Pos	ID	Rep	Group	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Total Wgt(mg)	Tare Wgt(mg)	Wgt Count
1	4	4	B-Control	10	10	10	10	10	10	10	10			
2	24	4	100.000	10	10	10	10	10	10	10	10			
3	23	3	100.000	10	10	10	10	10	10	10	10			
4	15	3	25.000	10	10	10	10	10	10	10	10			
5	19	3	50.000	10	10	10	10	10	10	10	10			
6	20	4	50.000	10	10	10	10	10	10	10	10			
7	8	4	6.250	10	10	10	10	10	10	10	10			
8	22	2	100.000	10	10	10	10	10	10	10	10			
9	1	1	B-Control	10	10	10	10	10	10	10	10			
10	14	2	25.000	10	10	10	10	10	10	10	10			
11	9	1	12.500	10	10	10	10	10	10	10	10			
12	21	1	100.000	10	10	10	10	10	10	10	10			
13	7	3	6.250	10	10	10	10	10	10	10	10			
14	11	3	12.500	10	10	10	10	10	10	10	10			
15	10	2	12.500	10	10	10	10	10	10	10	10			
16	13	1	25.000	10	10	10	10	10	10	10	10			
17	18	2	50.000	10	10	10	10	10	10	10	10			
18	3	3	B-Control	10	10	10	10	10	10	10	10			
19	6	2	6.250	10	10	10	10	10	10	10	10			
20	16	4	25.000	10	10	10	10	10	10	10	10			
21	2	2	B-Control	10	10	10	10	10	10	10	10			
22	17	1	50.000	10	10	10	10	10	10	10	10			
23	5	1	6.250	10	10	10	10	10	10	10	10			
24	12	4	12.500	10	10	10	10	10	10	10	10			

Comments:

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Fathead Minnow

Date 12/14/04

Renewal and Feeding times log.

Client Date Gardens

Test ID D&G 002b

Day 1
Renewal Time 1:05p Feeding time 1 9:10A Feeding time 2 1:45p
Initials J.O

Day 2
Renewal Time 1:19p Feeding time 1 9:00A Feeding time 2 2:10p
Initials J.O

Day 3
Renewal Time 12:40p Feeding time 1 9:16A Feeding time 2 1:16p
Initials J.O

Day 4
Renewal Time 1:25p Feeding time 1 9:00A Feeding time 2 2:10p
Initials J.O

Day 5
Renewal Time 1:40p Feeding time 1 9:23A Feeding time 2 2:15p
Initials JO

Day 6
Renewal Time 12:50p Feeding time 1 9:05A Feeding time 2 1:37p
Initials J.O

Day 7
Termination Time 12:17p
Initials JO

Test Initiation Date/ Time 12/14/04 - 2:15p

Test End Date/ Time 12-21-04 - 12:17p

Analyst J.O

Reviewed by M.O

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REGION 7

IMPERIAL VALLEY ENVIRONMENTAL LABORATORY

BIOASSAY DATA SHEET- Fathead p.promelas

Client:	Date Gardens	Date Received:	12-14-04	Species:	P. promelas
Project		Date Test Started:	12-14-04	No. Organisms per chamber	10
Client Sample ID		Date Test Ended:	12-21-04		
IVE Sample ID		IVE SOP No.:	Fat 002		

	conc.	DO-old	Temp	pH-old	DO-new	New-EC	pH-new
	control		25.2		7.98	265	6.97
Day 0	6.25%		25.1		8.06		7.12
Date: 12/14	12.50%		25.2		7.88		7.14
Time:	25.00%		25.0		7.90		7.23
conc.	50.00%		25.1		7.97		7.24
Tech.	100%		25.2		7.86	1530	7.22
	control	7.52	25.1	7.22	8.21		7.22
Day 1	6.25%	7.53	25.3	7.25	8.16		7.25
Date: 12/15	12.50%	7.62	25.0	7.32	8.26		7.37
Time:	25.00%	7.65	25.2	7.37	8.28		7.38
conc.	50.00%	7.62	25.1	7.42	8.30		7.44
Tech.	100%	7.71	25.1	7.46	8.24		7.47
	control	6.90	24.9	7.17	8.20	275	7.54
Day 2	6.25%	6.83	24.8	7.15	8.58		7.52
Date: 12/16	12.50%	6.51	24.9	7.05	8.78		7.53
Time:	25.00%	6.23	25.0	6.95	8.67		7.56
conc.	50.00%	6.14	25.1	7.10	8.69		7.60
Tech.	100%	6.19	25.0	7.16	8.67	1700	7.61
	control	7.00	24.8	7.38	78.64		7.54
Day 3	6.25%	6.74	24.8	7.31	7.69		7.70
Date: 12/17	12.50%	6.71	24.9	7.25	7.86		7.69
Time:	25.00%	6.85	25.1	7.37	7.80		7.68
conc.	50.00%	6.90	25.1	7.40	7.75		7.70
Tech.	100%	6.85	25.0	7.51	7.01		7.80
	control	7.16	25.3	7.46	7.92	269	7.59
Day 4	6.25%	7.25	25.1	7.49	7.86		7.57
Date: 12/18	12.50%	7.11	25.2	7.52	7.95		7.54
Time:	25.00%	6.95	25.1	7.38	7.93		7.49
conc.	50.00%	7.02	25.3	7.33	7.81		7.39
Tech.	100%	6.90	25.2	7.45	7.87	1680	7.67
	control	6.85	24.9	7.31	7.83		7.64
Day 5	6.25%	6.71	24.8	7.38	7.80		7.66
Date: 12/19	12.50%	6.92	24.7	7.47	7.87		7.66
Time:	25.00%	6.49	24.9	7.43	7.81		7.67
conc.	50.00%	6.55	24.8	7.51	7.90		7.72
Tech.	100%	6.70	24.9	7.46	7.95		7.83
	control	6.99	24.9	7.36	7.90		7.58
Day 6	6.25%	7.01	24.8	7.33	7.97		7.56
Date: 12/20	12.50%	7.10	25.0	7.39	8.08		7.58
Time:	25.00%	6.98	25.1	7.38	8.04		7.57
conc.	50.00%	6.88	25.0	7.21	7.99		7.53
Tech.	100%	6.79	25.1	7.29	7.89		7.65
	control	6.91	25.0	7.47	7.95		
Day 7	6.25%	6.87	25.1	7.29	7.81		
Date: 12/21	12.50%	6.74	25.2	7.39	7.97		
Time:	25.00%	6.63	25.1	7.42	7.95		
conc.	50.00%	6.62	25.2	7.51	7.98		
Tech.	100%	6.60	25.0	7.50	8.05		

Star Time: 7:15p	Test Acceptability-80%Chronic,90% Acute	-yes
End Time: 12/17p	%survival in controls achieved	-yes

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IMPERIAL VALLEY ENVIRONMENTAL LABORATORY
FAT HEAD MINNOW BIOASSAY WEIGHING SHEET

CLIENT: Date Garden TEST ID: D+G 002b

SAMPLE ID: 422B, 425B, 428B TEST DATE: 12-14-04 → 12-21-04

Conc.	rep.	tare + fish wt. (gm)	tare wt. (gm)	fish wt. (gm)	# fish	avg. per fish (mg)
control	1 9	1.1540	1.1498	.0042	10	.42
	2 21	1.1702	1.1661	.0041	10	.41
	3 18	1.1521	1.1482	.0039	10	.39
	4 1	1.1603	1.1562	.0041	10	.41
6.25%	1 23	1.1511	1.1476	.0035	10	.35
	2 19	1.1518	1.1475	.0043	10	.43
	3 13	1.1475	1.1439	.0036	10	.36
	4 7	1.1469	1.1433	.0036	10	.36
12.50%	1 11	1.1361	1.1323	.0038	10	.38
	2 15	1.1417	1.1378	.0039	10	.39
	3 14	1.1850	1.1816	.0034	10	.34
	4 24	1.1491	1.1452	.0039	10	.39
25%	1 16	1.1570	1.1535	.0035	10	.35
	2 10	1.1463	1.1430	.0033	10	.33
	3 4	1.1571	1.1541	.003	10	.30
	4 20	1.1601	1.1558	.0043	10	.43
50%	1 22	1.1557	1.1526	.0031	10	.31
	2 17	1.1537	1.1497	.004	10	.40
	3 5	1.1483	1.1441	.0042	10	.42
	4 6	1.1520	1.1481	.0039	10	.39
100%	1 12	1.1533	1.1503	.003	10	.30
	2 8	1.1455	1.1426	.0029	10	.29
	3 3	1.1480	1.1449	.0031	10	.31
	4 2	1.1547	1.1512	.0035	10	.35

Oven Time in 12:30p

Time out 12:00p

Date 12/22/04

Analyst JD

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