

# CRG Marine Laboratories, Inc.

2020 Del Amo Boulevard, Suite 200, Torrance, California 90501-1206  
(310) 533-5190 FAX (310) 533-5003 EMAIL [crglabs@sbcglobal.net](mailto:crglabs@sbcglobal.net)

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August 7, 2002

Michael Machuzak  
Aquatic Bioassay & Consulting  
29 N. Olive Street  
Ventura, CA

Re: CRG Marine Laboratories, Inc. Project ID# 2274

ATTN: Mr. Machuzak

CRG Marine Laboratories is pleased to provide you with the enclosed analytical data report for your Dieldrin in Tissues Project. According to the chain-of-custody, 1 tissue sample was received intact and cool at CRG on August 1, 2002. Per your instructions, the samples were analyzed for:

- Pesticides By EPA Method 8270 Using GCMS

Please don't hesitate to call if you have any questions and thank you very much for using our laboratory for your analytical needs.

Sincerely,  
Rich Gossett

Reviewed and Approved

 **Richard Gossett**  
Signature Not Verified

Digitally signed by  
Richard Gossett  
DN: cn=Richard  
Gossett, o=CRG  
Marine Laboratories,  
Inc., c=US  
Date: 2002.08.07  
15:38:54 -0700

# CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

## Chlorinated Pesticides By EPA Method 8270 HP6890/5972 GC/MS

CRG ID#: **7733** Replicate #: R1 Project ID: 2274 Batch ID: 2274-5126 Matrix: Tissue

Sample Description: MDR0702.191 Client Name: Aquatic Bioassay & Consultants  
Michael Machuzak

Date Sampled: 02-Jul-02 Date Processed: 01-Aug-02

Date Received: 01-Aug-02 Date Analyzed: 06-Aug-02

CONSTITUENT	RESULT	UNITS	MDL	ML	DILUTION FACTOR
(PCB065)	85	% Recovery			1
(PCB209)	87	% Recovery			1
(TCMX)	92	% Recovery			1
[Total Detectable DDTs]	72.3	ng/wet g			1
2,4'-DDD	nd	ng/wet g	1	2	1
2,4'-DDE	nd	ng/wet g	1	2	1
2,4'-DDT	nd	ng/wet g	1	2	1
4,4'-DDD	nd	ng/wet g	1	2	1
4,4'-DDE	72.3	ng/wet g	1	2	1
4,4'-DDT	nd	ng/wet g	1	2	1
BHC-gamma	nd	ng/wet g	1	2	1
Chlordane-alpha	nd	ng/wet g	1	2	1
Chlordane-gamma	nd	ng/wet g	1	2	1
Dieldrin	nd	ng/wet g	1	2	1
trans-Nonachlor	nd	ng/wet g	1	2	1

MDL= Method Detection Limit (CFR40 Part 136); ML= Minimum Level (SWQCB); ND= Not Detected  
California ELAP Certificate # 2261

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## Chlorinated Pesticides By EPA Method 8270 HP6890/5972 GC/MS

CRG ID#: **7733** Replicate #: R2 Project ID: 2274 Batch ID: 2274-5126 Matrix: Tissue

Sample Description: MDR0702.191 Client Name: Aquatic Bioassay & Consultants  
Michael Machuzak

Date Sampled: 02-Jul-02 Date Processed: 01-Aug-02  
Date Received: 01-Aug-02 Date Analyzed: 06-Aug-02

CONSTITUENT	RESULT	UNITS	MDL	ML	DILUTION FACTOR
(PCB065)	84	% Recovery			1
(PCB209)	89	% Recovery			1
(TCMX)	78	% Recovery			1
[Total Detectable DDTs]	76.5	ng/wet g			1
2,4'-DDD	nd	ng/wet g	1	2	1
2,4'-DDE	nd	ng/wet g	1	2	1
2,4'-DDT	nd	ng/wet g	1	2	1
4,4'-DDD	nd	ng/wet g	1	2	1
4,4'-DDE	76.5	ng/wet g	1	2	1
4,4'-DDT	nd	ng/wet g	1	2	1
BHC-gamma	nd	ng/wet g	1	2	1
Chlordane-alpha	nd	ng/wet g	1	2	1
Chlordane-gamma	nd	ng/wet g	1	2	1
Dieldrin	nd	ng/wet g	1	2	1
trans-Nonachlor	nd	ng/wet g	1	2	1

MDL= Method Detection Limit (CFR40 Part 136); ML= Minimum Level (SWQCB); ND= Not Detected  
California ELAP Certificate # 2261

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## Chlorinated Pesticides By EPA Method 8270 HP6890/5972 GC/MS

CRG ID#: **7732** Replicate #: B1 Project ID: 2274 Batch ID: 2274-5126 Matrix: Tissue

Sample Description: QAQC Procedural Blank Client Name: Aquatic Bioassay & Consultants  
Michael Machuzak

Date Sampled: Date Processed: 01-Aug-02  
Date Received: Date Analyzed: 06-Aug-02

CONSTITUENT	RESULT	UNITS	MDL	ML	DILUTION FACTOR
(PCB065)	90	% Recovery			1
(PCB209)	117	% Recovery			1
(TCMX)	81	% Recovery			1
[Total Detectable DDTs]	0	ng/wet g			1
2,4'-DDD	nd	ng/wet g	1	2	1
2,4'-DDE	nd	ng/wet g	1	2	1
2,4'-DDT	nd	ng/wet g	1	2	1
4,4'-DDD	nd	ng/wet g	1	2	1
4,4'-DDE	nd	ng/wet g	1	2	1
4,4'-DDT	nd	ng/wet g	1	2	1
BHC-gamma	nd	ng/wet g	1	2	1
Chlordane-alpha	nd	ng/wet g	1	2	1
Chlordane-gamma	nd	ng/wet g	1	2	1
Dieldrin	nd	ng/wet g	1	2	1
trans-Nonachlor	nd	ng/wet g	1	2	1

MDL= Method Detection Limit (CFR40 Part 136); ML= Minimum Level (SWQCB); ND= Not Detected  
California ELAP Certificate # 2261

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## QA/QC REPORT- Chlorinated Pesticides HP6890/5972 GCMS

CRG ID#: 7733 Replicate #: MS1 Project ID: 2274 Batch ID: 2274-5126 Matrix: Tissue

Sample Description: MDR0702.191 Client Name: Aquatic Bioassay & Consultants

Project Officer: Michael Machuzak

Date Sampled: 02-Jul-02

Date Processed: 01-Aug-02

Date Received: 01-Aug-02

Date Analyzed: 06-Aug-02

CONSTITUENT	% RECOVERY	TRUE VALUE	UNITS	ACCEPTANCE RANGE
(PCB065)	96	800	ng	46 - 117%
(PCB209)	98	800	ng	59 - 117%
(TCMX)	96	800	ng	27 - 128%
2,4'-DDD	90	2500	ng	55 - 137%
2,4'-DDE	94	2500	ng	54 - 114%
2,4'-DDT	84	2500	ng	32 - 126%
4,4'-DDD	88	2500	ng	45 - 149%
4,4'-DDE	98	2500	ng	62 - 108%
4,4'-DDT	86	2500	ng	28 - 126%
BHC-gamma	65	2500	ng	48 - 128%
Chlordane-alpha	96	2500	ng	57 - 107%
Chlordane-gamma	94	2500	ng	56 - 106%
Dieldrin	91	2500	ng	58 - 118%
trans-Nonachlor	79	1000	ng	65 - 135%

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## QA/QC REPORT- Chlorinated Pesticides HP6890/5972 GCMS

CRG ID#: **7733** Replicate #: MS2 Project ID: 2274 Batch ID: 2274-5126 Matrix: Tissue

Sample Description: MDR0702.191 Client Name: Aquatic Bioassay & Consultants

Project Officer: Michael Machuzak

Date Sampled: 02-Jul-02

Date Processed: 01-Aug-02

Date Received: 01-Aug-02

Date Analyzed: 06-Aug-02

CONSTITUENT	% RECOVERY	TRUE VALUE	UNITS	ACCEPTANCE RANGE
(PCB065)	94	800	ng	46 - 117%
(PCB209)	93	800	ng	59 - 117%
(TCMX)	93	800	ng	27 - 128%
2,4'-DDD	87	2500	ng	55 - 137%
2,4'-DDE	90	2500	ng	54 - 114%
2,4'-DDT	92	2500	ng	32 - 126%
4,4'-DDD	88	2500	ng	45 - 149%
4,4'-DDE	91	2500	ng	62 - 108%
4,4'-DDT	90	2500	ng	28 - 126%
BHC-gamma	69	2500	ng	48 - 128%
Chlordane-alpha	94	2500	ng	57 - 107%
Chlordane-gamma	96	2500	ng	56 - 106%
Dieldrin	86	2500	ng	58 - 118%
trans-Nonachlor	83	1000	ng	65 - 135%