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PRELIMINARY RESULTS OF THE SYSTEMATIC SCREENING OF 4,306 COMPOUNDS AS 'RED-TIDE' TOXICANTS

by

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ABSTRACT

This report presents the results of preliminary screening tests which evaluated 4,306 chemical materials as control agents for the red-tide organism, Gymnodinium breve.

INTRODUCTION

Catastrophic blooms of the noxious, one-celled plankter, Gymnodinium breve, have been occurring irregularly along the west coast of Florida since at least 1844 (Feinstein, Ceurvels, Hutton, and Snoek, 1955). The characteristics as well as factors underlying the development of these fish-killing blooms, popularly known as "red tide," have received considerable attention in recent years and require no review here. Following the destructive red-tide outbreaks of 1946 and 1947, the Bureau of Commercial Fisheries undertook an investigation to develop, if feasible, practicable methods whereby the responsible organism could be controlled.

Subsequent laboratory tests showed that copper sulphate, even at low levels of concentration, is toxic to G. breve. But large-scale attempts to control the organism's abundance with this compound (Rounsefell and Evans, 1958) demonstrated that its effects are not lasting enough to make it economically suitable for widespread application, and the search for a suitable chemical control continued.

This report presents results of the first phase of a study involving the evaluation of 4,306 chemicals as agents (selectively) lethal to the red-tide organism. The chemicals were contributed in sample lots by about 100 private concerns, public agencies, universities, etc.,

and consisted primarily of a diverse series of organic compounds. Some of the samples were given on a confidential basis, hence information concerning them is omitted.

The initial phase of the present investigation involved a systematic screening of each compound to determine its relative effectiveness as a G. breve toxicant. In the process, every chemical was tested at five concentrations ranging from 0.01 to 1.0 parts per million (table 1). Some variation occurred between the actual concentration at which a substance was tested and that shown, due to the variable solubilities of the test materials. Few compounds could be placed in aqueous solution without the use of an intermediate vehicle. Ethyl alcohol was used for this purpose. The procedure consisted of first diluting each chemical to 0.1 percent in alcohol and then agitating the mixture on a mechanical shaker for 24 hours. Most materials dissolved completely by the end of this time, but no attempt was made to carry the process further in the case of the few that did not.

After shaking, portions of the alcoholic solutions were added to enough distilled water to reduce the concentration level of the material being tested to 100 p.p.m. Similarly, portions of the 100-p.p.m. solutions were diluted to 10 p.p.m., and then portions of these, in turn, to 1 p.p.m. The three intermediate solutions thus obtained were used to prepare the actual solutions in which the G. breve organism was to be tested. Preparation of the final test media proceeded as follows:

1. The 1.0-p.p.m. test solution consisted of 0.1-ml. portions of the 100-p.p.m. intermediate solution and 10 ml. of G. breve culture stock.

2. The 0.4- and 0.1-p.p.m. test solutions were prepared by adding 0.4- and 0.1-ml. portions, respectively, of the 10-p.p.m. intermediate solution to 10-ml. portions of culture.

3. Similarly, the 0.04- and 0.01-p.p.m. test solutions were prepared from the remaining intermediate solution.

The G. breve culture stock used in these tests contained from one to two million organisms per liter. The culture medium consisted of sea water obtained off the Florida Gulf coast and shipped in glass carboys to the laboratory in Galveston. Except for the omission of soil extract and ethylenediaminetetraacetate (EDTA), its formula of ingredients was identical to that described by Wilson and Collier (1955). All glassware used in medium preparation and chemical evaluation tests

was rigorously cleaned with detergent and hot 10 percent nitric acid, with many tap- and distilled-water rinses being involved in the process.

Each chemical was evaluated on the basis of its effect on G. breve during a 24-hour period. One mortality test per chemical was made at each of the five test levels. This procedure permitted the detection of possible anomalies among the results. If a substance tested more toxic at a low concentration than at a higher one, it was rechecked.

The objective of the preliminary testing was to determine which of the chemicals were 100 percent lethal to G. breve at the 0.04-p.p.m. level. Because of economic considerations, this combination of degree of toxicity and dilution level was established as a minimum requirement for a potential red-tide control agent.

Mortality estimates were obtained by visually comparing through a stereoscopic microscope the treated cultures with nontreated or control cultures. This technique, although sacrificing a degree of quantitative accuracy, was selected because of the ease and speed with which it could be performed. Five categories, 0, 25, 50, 75, and 100 percent, were employed in estimating G. breve mortality. By way of explanation, a mortality index of 75 percent, for example, included all visually estimated mortalities between about 62 and 87 percent, that of 100 percent, all observed mortalities between 88 and 100 percent. Range precision depended upon the ability of the analyst to determine consistently which category was most closely approximated by the condition of the test culture following treatment.

Results of the initial screening tests are given in table 1. Regardless of test outcome, all results are included for whatever use they may be to other investigators. The compounds that were sought, i.e., those 100 percent toxic at the 0.04 level, are set off by asterisks. Results for 372 compounds are not shown because the test material had either completely lost its identity or had been submitted on a confidential basis. None of this group, however, proved to be 100 percent toxic at the 0.04 level.

Chemical names are listed according to the procedure recommended by Chemical Abstracts. In a few instances, the names were not available and the trade or "company" name had to be substituted. The numbers listed in the "Source No." column identify the suppliers which are listed numerically in table 2. The "Submitter's Code" refers to the number by which the individual suppliers identify their own compounds.

The numbers of chemicals which resulted in 100 percent mortality at each of the five test levels are summarized as follows:

Number of compounds lethal at dilutions as low as	0.01 p.p.m.	- 55
Do.	.04	- 191
Do.	.10	- 284
Do.	.40	- 740
Do.	1.00	- 1,047
Number of compounds not toxic at	1.00	- 3,259

The second phase of this work will test further those chemicals which were 100 percent lethal to G. breve at the 0.04-p.p.m. level. In addition, follow-up experiments will be performed to check each of these compound's specificity for the red-tide organism.

ACKNOWLEDGMENT

Many individuals, companies, and institutions freely submitted samples for evaluation in this study. Without this excellent cooperation the study would not have been possible. The authors are particularly indebted to Vernon Applegate of the Bureau's Biological Laboratory at Ann Arbor, Mich., who contributed portions of the several thousand chemicals that he had screened as possible sea lamprey toxicants.

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Table 1.--Bioassays of chemical compounds listed alphabetically

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1	57	ER-24	Acetaldehyde, bis(4-chlorophenyl)-	0	0	0	100	100
2	57	V-126	B-bromo-; dimethyl acetal	0	0	0	0	0
3	57	Q-290	chloromercuric-	0	25	100	100	100
4	57	ER-48	Acetaldehyde azine, 1,1-di(4-chlorophenyl)-	0	0	0	0	0
5	49		Acetamide, benzyl-	0	0	0	0	0
6	57	Cr-815	N-benzyl-N-[(p-benzyloxy) phenyl]-	0	0	0	0	0
7	25	500,038	N, N'-benzylidenebis-	0	0	0	0	0
8	57	V-161	N-(2'-chlorophenyl)-2-(2'-chlorophenylamino)	0	0	0	0	0
9	25	500,353	2-cyano-	0	0	0	0	0
10	57	FW-131	N-cyanomethyl-N-(1,1,3,3-tetramethylbutyl)-	0	0	0	0	0
11	25	900,262	2-(2,4-dichlorophenoxy)-	0	0	0	0	0
12	57	Lo-705	di-(p-chlorophenyl)-	0	0	0	0	0
13	57	V-111	N,N-dicyclohexyl-2-dicyclohexylamino	0	0	0	75	100
14	25	502,714	N,N-diphenyl-	0	0	0	0	0
15	25	510,338	2-(2-hydroxyethoxy)-	0	0	0	0	0
16	57	V-183	N-isobutyl-isobutylamino-	0	0	0	0	0
17	57	Lo-176	a-mercapto-a-2-benzothiazyl-	0	0	0	0	0
18	57	Cr-739	N-(2-methylallyl)-N-(1-naphthyl)-	0	0	0	0	0
19*	57	V-177	N-(1-methylheptyl)-1-methylhepthylamino-	0	100	100	100	100
20	25	501,048	N-(1-naphthyl)-	0	0	0	0	0
21	25	501,047	N-(2-naphthyl)-	0	0	0	0	0
22	57	Cr-236	do.	0	0	0	0	0
23	57	Cr-239	N-(1-nitro-2-naphthyl)-	0	0	0	0	0
24	57	V-110	N-nonyl (D-1)-2-nonylamino(D-1)	0	0	0	100	100
25	57	Cr-903	N, N'-(m-phenylene)bis[N-2-methylallyl-	0	0	0	0	0
26	57	Cr-750	N, N'-(p-phenylene)bis-	0	0	0	0	0
27	57	Cr-749	N, N'-(p-phenylene)bis[N-2-methylallyl-	0	0	0	0	0
28	57	SM-1	trichloro-; B-chloroethyl ester	0	0	0	0	0
29	57	V-115	N-(t-tridecyl)-2-(t-tridecyl)	0	0	0	0	0
30	57	Cr-306	Acetanilide, a-aceto-p-nitro-	0	0	0	0	0
31	57	Cr-698	2-acetoxy-5-tert-butyl-	0	0	0	0	0
32	46	223	p-amino-	0	0	0	0	0
33	57	Cr-442	2'-benzyloxy-	0	0	0	0	0
34	25	905,098	3-bromo-	0	0	0	0	0
35	57	Cr-1021	N-2-(2-butoxyethoxy)ethyl-	0	0	0	0	0
36	57	Cr-699	5-tert-butyl-2-hydroxy-	0	0	0	0	75
37	25	900,230	a-chloro-	0	0	0	0	0
38	57	Cr-313	2-chloro-	0	0	0	0	0
39	57	Cr-312	4-chloro-	0	0	0	0	0
40	57	Cr-390	2'-(2-chloroethoxy)-	0	0	0	0	0
41	57	Cr-751	2'-chloro-N-(2-methylallyl)-	0	0	0	0	0
42	57	Cr-58	2-chloro-4-thiocyano	0	0	0	0	100
43	57	Cr-743	4'-chloro-N-(2-methylallyl)-	0	0	0	0	0
44	25	905,114	5'-chloro-2'-nitro-4'-phenoxy-	0	0	0	0	0
45	19		2,3'-dichloro-	0	0	0	0	0
46	57	Q-80	2,4'-dichloro-	0	0	0	0	0
47	57	Cr-343	2',4'-dinitro-	0	0	0	0	0
48	57	Cr-394	4'-[2-(2,4-dinitrophenoxy)ethoxy]-	0	0	0	0	0
49	25	903,150	4'-formyl-; thiosemicarbazone	0	0	0	0	0
50	57	Cr-389	2'-hydroxy-	0	0	0	0	0
51	57	Cr-391	4'-(2-hydroxyethoxy)-	0	0	0	0	0
52	25	500,758	N-methyl-	0	0	0	0	0
53	57	Cr-730	N-2-methylallyl-	0	0	0	0	0
54	57	Cr-330	2'-nitro-	0	0	0	0	0
55	57	Cr-191	4'-nitro-	0	0	0	0	0
56	57	Cr-1262	4'-nitro-2'-phenyl-	0	0	0	0	0
57	57	Cr-395	2'-(2-phenoxyethoxy)-	0	0	0	0	0
58	57	Cr-1261	2'-phenyl-	0	0	0	0	0
59	57	Cr-1091	4'-sulfamyl-	0	0	0	0	0
60	57	Cr-61	4',4'''-thiobis-	0	0	0	0	0
61	57	Cr-36	4'-thiocyano-	0	0	0	0	100
62	57	Cr-763	2',4',6'-tribromo-	0	0	0	0	0
63	25	500,289	Acetarsone	0	0	0	0	0
64	35		Acetic acid; allylidene ester	0	0	0	100	100
65	57	Q-74	B-chloroethyl ester	0	0	0	75	100

* 100 percent toxic at the 0.04 level.

Table 1 --Bioassays of chemical compounds listed alphabetically (Continued)

Chemical: Identification number: Laboratory No.	Chemical: Identification number: Submitter: Source No.	Chemical: Identification number: Submitter: Submitter's code	Chemical: Technical name	Percent mortality of Gymnodinium breve at five concentrations (p.p.m.): .01	.04	.10	.40	1.0
66	57	SM-12	cyclohexanon-2-yl ester	0	0	0	0	0
67	80		ethyl ester	0	0	0	0	0
68	46	130	2-hydroxyethyl ester	0	0	0	0	50
69	57	SM-250	isophoryl ester	0	0	0	0	0
70	63	O-3273	kerylbenzyl ester	0	0	0	0	0
71	57	Cr-351	2-methyl-4, 6-dinitrophenyl ester	0	0	25	50	100
72	25	500, 677	2-phenylhydrazide	0	0	0	100	100
73	49		p-propionylphenyl ester	0	0	0	0	0
74	28		sodium salt ("Dow Defoliant")	0	0	0	0	75
75	58	O-71-a	sucrose octo-ester	0	0	0	0	0
76			4-thiocyanobutyl ester	0	0	0	0	0
77			5-thiocyanopentyl ester	0	0	0	0	0
78	57	Cr-350	o-tolyl ester	0	0	0	0	0
79	25	506, 723	(p-aminophenoxy)-	0	0	0	0	0
80	57	Lo-709	2-benzothiazolylmercapto-, cyclohexylamine salt	0	0	0	0	0
81	57	Lo-248	2-benzothiazylmercapto-; calcium salt	0	0	0	0	75
82	25	100, 208	Acetic acid, (p-benzoylphenoxy)-	0	0	0	0	0
83	56	NP-593	bis(4-chlorophenyl)-	0	0	0	0	0
84	57	ER-163	ester with 2-hydroxy-3-pentenonitrile	0	0	0	100	100
85	57	ER-159	ester with B, B, B-trichlorolactonitrile	0	0	0	100	100
86	25	400, 275	bromo-	0	0	0	0	0
87	25	402, 155	methyl ester	0	0	0	0	100
88	57	V-107	a-bromocyclohexane	0	0	0	0	0
89	57	Cr-1059	x-bromo-2-(1-methylheptyl)phenoxy-	0	0	0	0	0
90	57	Cr-1061	ester with 2-bromo-4-tert-butyl-6-nitrophenol	0	0	0	0	0
91	25	402, 508	(5-bromo-m-tolyloxy)-	0	0	0	0	0
92	54		o-1-butenylphenoxy-	0	0	0	0	0
93	54		o-2-butenylphenoxy-	0	0	0	0	0
94	54		x-(2-butenyl)-phenoxy-; mostly p-(2-butenyl)-	0	0	0	0	0
95	58	O-4343	chloro-	0	0	0	0	0
96	19		4-biphenylyl ester	0	0	0	0	0
97	25	400, 168	butoxyethyl ester	0	0	0	0	0
98	46	28	p-chlorobenzyl ester	0	0	0	0	0
99	54		ethyl ester	0	0	0	0	0
100	25	402, 156	methyl ester	0	0	0	0	0
101	19		m-nitrophenyl ester	0	0	0	0	100
102	25	400, 346	pentachlorophenyl ester	0	0	0	0	100
103	57	Lo-700	(p-chlorobenzylidenedithio)di	0	0	0	0	0
104	25	904, 276	(5-chloro-2-cyano-m-tolyl)mercapto-	0	0	0	0	0
105	57	Cr-1226	x-chloro-2-(1-methylheptyl)-x-nitrophenoxy-	0	0	0	100	100
106	46	20	o-chlorophenoxy-; p-chlorobenzyl ester	0	0	0	0	0
107	46	123	p-chlorophenoxy- (crude)	0	0	0	0	0
108	46	124	do. (refined)	0	0	0	0	0
109	25	402, 509	(4-chloro-a-phenyl-o-tolyl)-	0	0	0	0	0
110	19		chlorothiol-; S-dodecyl ester	0	0	0	75	75
111	25	501, 248	methyl ester	0	0	0	0	0
112	25	900, 124-65	(4, 6-diamino-S-triazin-2-ylmercapto)-; sodium salt	0	0	0	0	0
113	25	402, 623	methyl ester	0	0	0	0	0
114	57	Cr-1227	Acetic acid, dichloro-o-1-methylheptyl-nitrophenoxy-	0	0	0	0	100
115	25	400, 155	2, 4-dichlorophenoxy-	0	0	0	0	0
116	54		butyl ester	0	0	0	0	0
117	46	41	p-chlorobenzyl ester	0	0	0	0	0
118	25	400, 014	hexaester with inositol	0	0	0	0	0
119	49		isopropylammonium salt	0	0	0	0	0
120	25	400, 155-68	nickel (II) salt	0	0	0	0	0
121	1		polyrad 1100 salt (50% in isopropanol)	0	0	0	0	0
122	1		polyrad 2000 salt (50% in isopropanol)	0	0	0	0	0
123	54		65% aqueous triethanolamine salt	0	0	0	0	0
124	57	Lo-328	diethanoldithiocarbamyl-	0	0	0	0	0
125	46	314	diphenyl-	0	0	0	0	0
126	25	107, 570	anhydride	0	0	0	0	0
127	100	F	N-ethylamino-N'-ethylamino-N"-alkylamino-hydrochloride	0	0	0	100	100
128	25	501, 529	[ethylenedinitrilo]tetra-	0	0	0	0	0
129	25	501, 529-66	disodium salt, dihydrate	0	0	0	0	0
130	25	501, 529-75	trisodium salt, monohydrate	0	0	0	0	0

Table 1 --Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Source No.	Submitter's code		.01	.04	.10	.40	1.0
131	25	107,550	(2-hydroxyethoxy)-; lactone	0	0	0	0	0
132	57	Lo-174	2-(2-imidazolinyl)mercapto-; hydrochloride	0	0	0	0	0
133	54		mercapto-	0	0	0	0	0
134	49		ammonium salt	0	0	0	0	0
135	57	SM-162	p-methoxybenzoyl-; ethyl ester	0	0	0	0	0
136	46	125	2-methyl-4-chlorophenoxy-	0	0	0	0	0
137	57	Cr-1028	(1-methylheptyl)phenoxy-; p-tert-butyl-o-nitrophenyl ester	0	0	0	0	0
138	25	100,468	2-naphthoxy-	0	0	0	0	0
139	46	121	a-naphthyl-	0	0	0	0	0
140	57	Lo-65	o-nitrophenoxy-	0	0	0	0	100
141	49		p-nitrophenyl-	0	0	0	0	0
142	56	NP-301	pentachlorophenoxy-	0	0	0	0	0
143	56	NP-1282	pentachlorothiophenoxy-	0	0	0	0	0
144	57	Lo-55	pentamethylenethiocarbamyl	0	0	0	75	100
145	46	40	p-chlorobenzyl ester	0	0	0	0	0
146	57	SM-82	phenacyl ester	0	0	0	0	0
147	46	119	phenyl-	0	0	0	0	0
148	46	21	p-chlorobenzyl ester	0	0	0	0	0
149*	24		phenylmercuric- ("PMAS", 10% water soln.)	0	100	100	100	100
150*	42		do. (10% active)	0	100	100	100	100
151*	73	LM-230	do. (30% active)	100	100	100	100	100
152	25	508,452-10	2-pyridyl-; hydrazide, hydrochloride	0	0	0	0	0
153	57	H-134	thiocyano-; methyl ester	0	0	0	0	0
154	57	Cr-75	thiodi-	0	0	0	0	0
155	57	Cr-79	barium salt	0	0	0	0	0
156	57	Cr-77	zinc salt	0	0	0	0	0
157	31	612	3,4-dichlorophenyl ester	0	0	0	75	100
158	53		sodium salt	0	0	0	0	0
159	80		trichloro-	0	0	0	0	0
160	42		2,4,5-trichlorophenoxy- (40% active)	0	0	0	0	0
161	54		do.	0	0	0	0	0
162	54		butyl ester	0	0	0	100	100
163	54		55% aqueous triethanolamine salt	0	0	0	0	0
164	25	106,617	(2,3,5-trimethylphenoxy)-	0	0	0	0	0
165	46	206	Acetoacetanilide	0	0	0	0	0
166	25	900,734	p-chloro-	0	0	0	0	0
167	57	H-122	Acetoacetic acid; ethyl ester, copper derivative	0	0	0	100	100
168	25	506,024	2,2-bis(2-cyanoethyl)-; ethyl ester	0	0	0	0	0
169	25	107,021	2,4-diphenyl-; ethyl ester	0	0	0	0	0
170	25	106,627	2-phenyl-; ethyl ester	0	0	0	0	0
171*	25	404,037	2-(2,2,2-trichloroethylidene)-; ethyl ester	0	100	100	100	100
172	25	906,695	2-(2,2,2-trichloro-1-hydroxyaminoethyl)-; ethyl ester	0	0	0	0	0
173	57	Cr-332	o-Acetoaniside	0	0	0	0	0
174	57	Q-116	Acetone, a,a-di(p-chlorophenyl)-	0	0	0	50	100
175	1		1,3-dichloro; Dimethyl Acetal	0	0	0	0	0
176	49		Acetone-sodium bisulfite adduct	0	0	0	0	0
177	57	Q-159	Acetonitrile, bis(4-chlorophenyl)-	0	0	0	75	100
178		ER-10	do.	0	0	0	75	100
179	25	801,466	bis(p-dimethylaminophenyl)phenyl-	0	0	0	100	100
180	57	Cr-795	4-(p-bromophenoxy)phenyl-	0	0	0	100	100
181	57	FW-206	p-chloroanilino-	0	0	0	0	100
182	57	ER-67	4,4'-dichlorobenzhydrylloxy-	0	0	0	75	100
183	63	O-14233-D	diethylamino-&-methyl-	0	0	0	0	0
184	25	802,017	diphenyl-	0	0	0	0	0
185	63	O-14234-B	ethoxyethylamino-&-methyl	0	0	0	100	100
186	57	Cr-773	p-phenoxyphenyl-	0	0	0	0	0
187	46	216	phenyl-	0	0	0	0	0
188	57	O-1888	1,1,3,3-tetramethylbutylamino-	0	0	0	75	100
189	57	Cr-338	p-Acetophenetide, B-chloro-	0	0	0	0	0
190	46	164	Acetophenone	0	0	0	0	0
191	25	105,978	diethyl acetal	0	0	0	0	0
192	25	500,031	3'-amino-	0	0	0	0	0
193	25	500,032	4'-amino-	0	0	0	0	0
194*	25	402,142	2-bromo-4'-hydroxy-; benzoate	0	100	100	100	100
195	46	165	4'-chloro-	0	0	0	0	0

Table 1 --Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter's code		.01	.04	.10	.40	1.0
196	25	402, 647	2-chloro-2-phenyl-	0	0	0	0	100
197	57	Q-4	2, 2-dichloro-	0	0	75	100	100
198	57	Q-19	2, 4'-dichloro-	0	0	0	75	100
199	46	166	4'-ethoxy-	0	0	0	0	0
200	57	Cr-411	2'-hydroxy-; sodium salt	0	0	0	0	0
201	25	102, 388	4'-hydroxy-	0	0	0	0	0
202	49		4'-methoxy-	0	0	0	0	0
203	57	Cr-416	2'-(2-phenoxyethoxy)-	0	0	0	0	0
204	57	Cr-415	4'-(2-phenoxyethoxy)-	0	0	0	0	0
205	57	Cr-444	2-phenoxy-2-phenyl-	0	0	0	0	0
206	57	Q-6	2, 2, 4'-trichloro-	0	0	0	100	100
207	46	43	4'-(2, 2, 2-trichloro-1-hydroxyethylamino)-	0	0	0	0	0
208	25	100, 166	2', 4', 6'-trimethyl-	0	0	0	0	0
209	25	507, 206	2', 4', 6'-trimethyl-3', 5'-dinitro-	0	0	0	0	0
210	25	105, 509	2', 4', 6'-trimethyl-2-phenyl-	0	0	0	0	0
211	57	SM-72	Acetopropionic acid; 2-methylallyl ester	0	0	0	0	0
212	25	501, 046	m-Acetotoluidide	0	0	0	0	0
213	57	Cr-315	o-Acetotoluidide	0	0	0	0	0
214	57	Cr-740	N-2-methylallyl-	0	0	0	0	0
215	57	Cr-329	4'-nitro-	0	0	0	0	0
216	57	Cr-765	p-Acetotoluidide, a-(p-tert-butylphenoxy)-	0	0	0	0	0
217	57	Cr-746	N-2-methylallyl-	0	0	0	0	0
218	57	Cr-747	x', x'-Acetoxylidide, N-2-methylallyl-	0	0	0	0	0
219	57	SM-267	Acetylene, dimethylaminomethyl piperidinomethyl-	0	0	0	0	0
220	25	000, 681	diphenyl-	0	0	0	50	100
221	58	O-4360-a	diphenyl- ("Tolane")	0	50	75	100	100
222	57	Cr-1084	Acetylsalicylic acid, copper (II) salt	0	0	0	75	100
223	25	Y00, 352	Acid 136	0	0	0	0	0
224	35		Acrolein	0	0	0	0	0
225	57	SM-343	Acrylamide, N-isobutyl-3-phenylmercapto-	0	0	0	0	0
226	67		Acronycidine	0	0	0	0	0
227	25	501, 176	Acrylic acid; 2-dibutylaminoethyl ester	0	0	0	0	0
228	25	501, 350	2-diethylaminoethyl ester	0	0	0	0	0
229	58	O-3827-a	n-octyl ester	0	0	0	0	0
230	57	SM-496	benzoyl-, decamethylene ester	0	0	0	0	0
231	57	SM-480	2-ethylhexyl ester	0	0	75	100	100
232	57	SM-400	lauryl ester	0	0	0	0	0
233	57	SM-262	3-benzoyl-; 2-ethylhexenyl ester	0	0	0	0	100
234	57	SM-314	isobutyl ester	0	0	0	100	100
235	57	SM-293	3-butylamino-; ethyl ester	0	0	0	0	0
236	57	SM-439	p-chlorobenzoyl-	0	0	0	0	0
237	57	SM-539	nonyl ester	0	0	0	100	100
238	57	SM-540	3-(p-chlorobenzoyl)-; butylcarbityl ester	0	0	0	100	100
239	57	SM-471	isobutyl ester	0	0	0	0	100
240	57	WC-49	2-chloro-3-ethoxy-; ethyl ester	0	0	0	0	25
241	57	SM-440	p-methoxybenzoyl-	0	0	0	0	0
242	57	SM-464	3-(p-methoxybenzoyl)-; isobutyl ester	0	0	0	25	100
243	57	Lo-212	3-phenylmercapto-; copper salt	0	0	0	0	0
244	25	402, 900-65	trichloro-; sodium salt	0	0	0	0	0
245	45	4395-50-F	Acrylonitrile, adduct of rosin	0	0	0	0	0
246	45	4395-50-A	amine adduct of rosin	0	0	0	0	0
247	57	Cr-567	Acrylophenone, 3-(2-furyl)-	0	0	0	0	0
248	25	106, 650	2, 3, 3-triphenyl-	0	0	0	0	0
249	31		Actidione	0	0	0	0	75
250	25	502, 051	Adipamide, N, N, N', N', -tetramethyl-	0	0	0	0	0
251	35		Adipic acid; diallyl ester	0	0	0	0	0
252	25	104, 211	diester with 2-(2-butoxyethoxy)ethyl lactate	0	0	0	0	0
253	25	101, 604	diester with 1-carbethoxyethyl lactate	0	0	0	0	0
254	25	103, 486	diester with 2-ethylhexyl lactate	0	0	0	0	0
255	25	103, 487	diester with 1-methylheptyl lactate	0	0	0	0	0
256	25	104, 212	diester with 3, 5, 5-trimethylhexyl lactate	0	0	0	0	100
257	25	103, 441	monobutyl ester with butyl lactate	0	0	0	100	100
258	25	103, 471	monoester with butyl lactate, ester with 1-carbobutoxyethyl lactate	0	0	0	0	0
259	25	103, 482	mono(1-methylheptyl)ester with 1-methylheptyl lactate	0	0	0	0	0
260	81		L-Alanine	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number								
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code	Technical name	.01	.04	.10	.40	1.0
261			B-Alanine, N-dodecyl-	0	0	0	0	0
262	21		Aldrin, 2#	0	0	0	0	100
263	63	O-4104	Aliphat 44-B (46% oleic, 39% linoleic, 3% linolenic, 12% rosin acids), condensation product with propylene glycol	0	0	0	0	0
264	63	O-4112	Aliphat 45-B (30% fatty acids, 70% rosin acids), and 15 moles ethylene oxide, condensation products	0	0	0	0	0
265	82		Alizarine	0	0	0	0	0
266	18	BTC-824	Alkylbenzyldimethylchloride	0	0	0	100	100
267	49		Allantoin	0	0	0	0	0
268	49		Alloxan	0	0	0	0	0
269	49		Alloxantin	0	0	0	0	0
270	25	X00.122	Aluminum chloro-hydroxide complex	0	0	0	0	0
271	9		Aluminum fluosulfonate	0	0	0	0	0
272	57	WC-64	Amidophosphoric acid, N-cyclohexyl-, di-sec-butyl ester	0	0	0	0	0
273	57	Lo-239	N,N-diallyl-; diphenoxy ester	0	0	0	0	0
274	54		di-n-butyl-N-3-chlorophenyl-	0	0	0	0	0
275	57	WC-65	N,N-diisobutyl-, dicyclohexyl ester	0	0	0	0	25
276	57	WC-67	N-isobutyl-; di(B-chloroethyl) ester	0	0	0	0	0
277	57	Lo-256	Amidophosphorous acid, N,N-dibutyl-; diphenyl ester	0	0	0	0	0
278	57	Lo-255	N,N-dicyclohexyl-; diphenyl ester	0	0	0	0	0
279	66		Ammonium arsenate	0	0	0	0	0
280	18		Ammonium compounds, substituted; alkylbenzyldimethyl---chloride ("BTC-824", 50% active)	0	0	0	25	100
281	18		alkylbenzyldimethyl---chloride ("BTC", 50% active)	0	0	0	0	100
282	18		alkyl(3,4-dichlorobenzyl)dimethyl---chloride ("Tetrosan", 60% active)	0	0	0	75	100
283	18		alkyldimethyl(dimethylbenzyl)---chloride ("BTC-927", 50% active)	0	0	0	100	100
284	18		alkyldimethyl(ethylbenzyl)---chloride ("BTC-471", 50% active)	0	0	0	100	100
285	25	Y01,510	alkyltrimethyl ---benzenesulfonate	0	0	0	100	100
286	25	Y01,504	alkyltrimethyl---benzenesulfonate (alkyl-approx. $C_{12}H_{25}$)	0	0	0	0	0
287	25	Y01,508	alkyltrimethyl---m-nitrobenzenesulfonate (alkyl - approx. $C_{12}H_{25}$)	0	0	0	0	0
288	25	Y01,507	alkyltrimethyl---p-(1-methylbutyl)benzenesulfonate (alkyl - approx. $C_{12}H_{25}$)	0	0	0	0	0
289	42		benzyldimethyldodecyl---chloride (15% active)	0	0	0	0	0
290	57	Cr-1284	benzyldimethylphenyl---2-chloro-4,6-dinitrophenoxide	0	0	0	0	0
291	57	Cr-1283	benzyldimethylphenyl---4-chloro-2,6-dinitrophenoxide	0	0	0	0	0
292	57	Cr-353	benzyldimethylphenyl---4,6-dinitro-2-methyl phenoxide	0	0	0	0	0
293	57	Cr-1113	benzyldimethylphenyl---2,6-dinitro-4-(1,1,3,3-tetramethylbutyl)phenoxide	0	0	0	75	100
294	63	O-3503	benzyldodecyltrimethyl---chloride	0		0	75	100
295	9	MA-3-20	benzyltrimethyl---hexafluoroantimonate	0		0	0	0
296	9	R-3-38	benzyltrimethyl---hexafluoroarsenate	0	0	0	0	0
297	9	MA-3-119	benzyltrimethyl---hexafluorophosphate	0	0	0	0	0
298	9	MA-3-21	benzyltrimethyl---hexafluorotitanate	0	0	0	0	0
299	19		(bis-2-hydroxyethyl)dodecylmethyl---methyl sulfate	0	0	0	0	100
300	9	W-5-43	bis(mono-n-butyl---monofluorophosphate)	0	0	0	0	0
301	25	508,482-13	(5-tert-butyl-4-hydroxy-o-tolyl)trimethyl---iodide	0	0	0	0	0
302*	9	HH-4-86	cetyldimethylbenzyl---monohydroxy pentafluoroarsenate	0	100	100	100	100
303	18		cetyltrimethyl---bromide (60% active in isopropanol)	0	0	0	100	100
304*	57	ER-2	cetyltrimethyl---salicylate	0	100	100	100	100
305	63	O-3733	decylbenzyltrimethyl---chloride	0	0	0	0	100
306	9	W-11-88	diamyl---fluoroborate	0	0	0	0	0
307	9	E-4-194	dibutyl---fluoroborate	0	0	0	0	0
308	9	W-11-64	dibutyl---hexafluorophosphate	0	0	0	0	0

Chemical				Percent mortality of Gymnodinium breve at five concentrations (p.p.m.)				
Identification number								
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code	Technical name	.01	.04	.10	.40	1.0
309	18		dilauryldimethyl---bromide ("Isothan DL-1", 75% active in isopropanol)	0	0	0	100	100
310	18		dimethylethylhexadecyl---bromide ("Ammonyx DME", 75% active)	0	0	0	100	100
311	9	R-3-38	dodecylbenzyl---hexafluoroarsenate	0	0	0	0	0
312	83	E-12	dodecyl benzyl trimethyl---chloride	0	0	0	0	0
313	9	R-1-4	N-dodecylbenzyl-N-N-N-trimethyl-, hexafluorophosphate	0	0	0	0	0
314	56	NP-1407	(3-tert-dodecylthio-2-hydroxypropyl)triethyl---chloride	0	0	0	0	0
315	11		dodecyltrimethyl---chloride ("Arquad 12")	0	0	0	0	0
316	11		hexadecyltrimethyl---chloride ("Arquad 16")	0	0	0	0	100
317	63	O-3717	(methyltri-isopropylbenzyl)trimethyl---chloride	0	0	0	0	0
318			tetraethyl---diethylphosphate	0	0	0	0	0
319	9	R-3-38	tetraethyl---hexafluoroarsenate	0	0	0	0	100
320			tetramethyl---diethylphosphate	0	0	0	0	0
321	63	O-3716	(tri-isopropylbenzyl)trimethyl---chloride	0	0	0	0	0
322	25	508, 477-13	(6-hydroxythymyl)trimethyl---iodide	0	0	0	0	0
323	25	X00, 000	Ammonium fluophosphate	0	0	0	0	0
324	9	R-1-13-1	Ammonium fluorotitanate	0	0	0	0	0
325	9		Ammonium fluovanadates	0	0	0	0	0
326	9	W-6-186	Ammonium hexafluorovanadate	0	0	0	0	0
327	25	X00, 123	Ammonium sulfamate	0	0	0	0	0
328	80		Aniline	0	0	0	0	0
329	57	Cr-98	Aniline; complex with ferrocyanic acid	0	0	0	0	0
330 *	25	800, 122-A2	complex with ½ f. wt. fluosilicic acid	100	100	100	100	100
331	49		complex with trinitrobenzene	0	0	0	0	100
332	9	RR-3-53	hexafluorophosphate	0	0	0	0	0
333	12		p-acetoxy- (pure)	0	0	0	0	0
334 *	84		Acetoxymercuri	75	100	100	100	100
335	57	Cr-172	N-benzyl-p-benzyloxy-	0	0	0	0	0
336	57	H-113	N-benzylidene-4-bromo-	0	0	0	100	100
337	57	Cr-504	o-benzyloxy-; hydrochloride	0	0	0	0	0
338	57	Cr-732	p-benzyloxy-N-2-methylallyl-	0	0	0	0	0
339	57	Cr-828	N, N-bis[2-(2-p-chlorophenoxyethoxy) ethyl]-	0	0	0	0	0
340	57	Cr-825	N, N-bis[2-(2-[2-phenoxy]ethoxy) ethoxyethyl]-	0	0	0	0	0
341	57	H-151	4-bromo-N, N-dimethyl-	0	0	0	0	0
342	57	Cr-775	4-bromo-N-2-methylallyl-	0	0	0	100	100
343	57	Cr-776	hydrochloride	0	0	0	0	0
344	57	Cr-1009	N-[2-(2-butoxyethoxy]ethyl-	0	0	0	0	0
345	25	802, 671	N-tert-butyl-	0	0	0	0	0
346	46	211	m-chloro-	0	0	0	0	0
347	57	Cr-841	p-chloro-N-2-[2-(2-p-chlorophenoxyethoxy) ethoxy]ethyl-	0	0	0	0	0
348	57	Cr-839	p-chloro-N-2-[2-p-chlorophenoxyethoxy]ethyl-	0	0	0	0	100
349	54		3-chloro-N-(2, 4-dichlorobenzylidene)-	0	0	0	0	0
350	57	Cr-299	o-chloro-N, N-dimethyl-	0	0	0	0	0
351	57	Cr-742	2-chloro-N-2-methylallyl-	0	0	0	0	0
352	57	Cr-727	4-chloro-N-2-methylallyl-	0	0	0	0	0
353	57	Cr-728	hydrochloride	0	0	0	0	0
354	57	Cr-328	2-chloro-N-methyl-, picrate	0	0	0	0	0
355	25	900, 964	2-chloro-4-nitro-	0	0	0	0	0
356	28	JB-16	2-chloro-4-nitro	0	0	0	0	0
357	25	900, 841	4-chloro-2-nitro-	0	0	0	0	0
358	57	Cr-840	N-2-[2-(-p-chlorophenoxyethoxy) ethoxy]ethyl-	0	0	0	0	0
359	54		m-chloro-N-sulfinyl-	0	0	0	0	0
360	54		o-chloro-N-sulfinyl-	0	0	0	0	0
361	54		p-chloro-N-sulfinyl-	0	0	0	0	0
362	57	Cr-57	3-chloro-4-thiocyano-	0	0	0	75	100
363	57	Cr-1027	o-chloro-N-triphenylmethyl-	0	0	0	0	0
364	54		2, 5-dichloro-	0	0	0	0	0
365	54		3, 4-dichloro-	0	0	0	100	100
366	57	Cr-432	2, 6-dichloro-N, N-dimethyl-	0	0	0	0	0
367	57	Lo-50	diethyl-2, 4-dinitro-	0	0	0	0	0
368	46	220	N, N-di-(p-hydroxyethyl)-	0	0	0	0	0
369	46	321	2, 5-dimethoxy-	0	0	0	0	0
370	57	Cr-99	N, N-dimethyl-; compd. with ferrocyanic acid	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number								
Laboratory No.	Submitter		Technical name	.01	.04	.10	.40	1.0
	Source No.	Submitter's code						
371	49		N, N-dimethyl-p-nitroso-	0	50	100	100	100
372	57	Cr-327	N, N-dimethyl-p-thiocyano-; picrate	0	0	0	0	0
373	25	500, 056	2, 4-dinitro-	0	0	0	0	0
374	57	Cr-447	4, 4'-dithiodi-2, 2'-dichloro-N, N, N', N'-tetramethyl-	0	0	0	100	100
375	57	Cr-455	4, 4'-dithiodi-2, 2', 6, 6'-tetrachloro-N, N, N', N'-tetramethyl-	0	0	0	0	100
376	57	Cr-1110	N-ethoxymethyl-N-(2-methylallyl)-	0	0	0	0	0
377	57	Cr-722	N-2-methylallyl-	0	0	0	0	0
378	57	Cr-723	hydrochloride	0	0	0	0	0
379	46	238	m-nitro-	0	0	0	0	0
380	46	205	o-nitro-	0	0	0	0	0
381	46	208	p-nitro-	0	0	0	0	0
382	57	Cr-834	N-2-(2-o-nitro-p-tert-butylphenoxyethoxy)ethyl-	0	0	0	0	0
383	57	V-255	p-n-octyl-,	0	0	0	75	100
384	25	501, 143	4, 4'-oxydi-	0	0	0	0	0
385	56	NP-897	pentachloro-	0	0	0	0	0
386	57	Cr-414	2-(2-phenoxyethoxy)-	0	0	0	0	0
387	57	Cr-413	hydrochloride	0	0	0	0	0
388	70		silicofluoride	0	0	0	0	0
389	25	506, 043	N-(2-phenoxyethyl)-	0	0	0	0	0
390	54		N-sulfinyl-	0	0	0	0	0
391	57	Cr-1120	p, p'-sulfinyldi-N, N, N', N'-tetramethyl-	0	0	0	0	0
392	57	Cr-490	2, 4, 6-tribromo-	0	0	0	0	0
393	57	Cr-1026	N-triphenylmethyl-	0	0	0	0	0
394	49		Anisaldehyde	0	0	0	0	0
395	54		N'-(3, 4-dimethoxybenzyl)-N-phenyl-	0	0	0	0	0
396	54		N-(p-methoxyphenyl)-N'-phenyl-	0	0	0	0	0
397	25	106, 616	p-Anisic acid, 3-allyl-	0	0	0	0	0
398	49		Anisid	0	0	0	0	0
399	68		o-Anisidine	0	0	0	0	0
400	49		complex with trinitrobenzene	0	0	0	0	75
401	49		compound with 1, 3, 5-trinitrobenzene	0	0	0	0	75
402	25	5K0, 252	complex with 1 f. wt. 1, 3, 5-trinitrobenzene	0	0	0	0	50
403	25	900, 733	5-ethylsulfonyl-	0	0	0	0	0
404	46	210	p-Anisidine	0	0	0	0	0
405	49		2-nitro-	0	0	0	0	0
406	57	SM-273	Anisil	0	0	0	0	0
407	49		Anisoin	0	0	0	0	0
408	57	SM-219	Anisole, acrylylcapryl-	0	0	0	0	0
409	49		2-amino-5-azo-	0	0	0	0	0
410	58	O-2439	6-tert-butyl-2, 4-dinitro-3-methyl-	0	0	0	0	0
411	57	Q-135	p-camphanyl-	0	0	0	100	100
412	57	Cr-1276	4-chloro-2, 6-dinitro-	0	0	0	0	0
413	57	Cr-247	2-chloro-4-nitro-	0	0	0	0	0
414	57	SM-416	crotonylcapryl	0	0	0	50	100
415	25	904, 273	2-iodo-4-nitro-	0	0	0	0	0
416	54		4-nitro-2, 3, 5, 6-tetrachloro-	0	0	0	0	0
417	57	SM-478	p-t-octyl-	0	0	0	0	0
418	54		2, 3, 5, 6-tetrachloro-	0	0	0	0	0
419	54		2, 4, 5-trichloro-	0	0	0	0	0
420	25	000, 434	Anthracene	0	0	0	0	0
421	68		9, 10-dihydro-9-oxo-	0	0	0	0	50
422	57	Cr-131	Anthranilic acid; copper (II) salt	0	0	0	0	100
423	58	O-3942	menthyl ester	0	0	0	100	100
424	46	226	methyl ester	0	0	0	0	0
425	57	Cr-491	N-acetyl-	0	0	0	0	0
426	57	Cr-495	Anthranilic acid, N-acetyl-; copper (II) salt	0	0	0	75	100
427	57	Cr-976	N-acetyl-5-chloro-	0	0	75	100	100
428	57	Cr-1095	N-benzyl-	0	0	0	0	0
429	57	Cr-1096	copper (II) salt	0	0	0	0	0
430	57	Cr-1097	N-benzyl-	0	0	0	0	0
431	57	Cr-1098	copper (II) salt	0	0	0	0	0
432	25	900, 003	5-chloro-	0	0	0	0	0
433	57	Cr-1142	N-(chloroacetyl)-	0	0	0	0	0
434	57	Cr-1143	copper (II) salt	0	0	0	0	25

Table 1. --Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of Gymnodinium breve at five concentrations (p. p. m.)				
Identification number								
Laboratory No.	Submitter		Technical name	.01	.04	.10	.40	1.0
	Source No.	Submitter's code						
435	57	Cr-1102	N-2-methylallyl-	0	0	0	0	0
436	57	Cr-1103	copper (II) salt	0	0	0	0	0
437	57	Cr-1100	N, N'-methylenedi-	0	0	0	0	0
438	57	Cr-1101	copper (II) salt	0	0	0	0	0
439	57	Cr-1106	N-tridecanoyl-	0	0	0	0	100
440	57	Cr-1107	copper (II) salt	0	0	0	0	50
441	25	100,275	Anthraquinone	0	0	0	0	0
442	25	500,099	1-amino	0	0	0	75	100
443	25	500,100	2-amino-	0	0	0	0	0
444	25	900,133	2-amino-1,3-dibromo-	0	0	0	0	0
445	58	O-o4	chloro-	0	0	0	0	0
446	25	101,090	2-ethyl-	0	0	0	0	0
447	25	101,089	2-Anthroic acid, 3-hydroxy-	0	0	0	0	0
448	15		Antimony chloride, $SbCl_3$	0	0	0	0	0
449	15		$SbCl_5$	0	0	0	0	0
450	25	500,033	Antipyrine, 4-amino-	0	0	0	0	0
451	25	401,995	1-Apocamphaneethanol, 2-chloro-; acetate	0	0	0	0	0
452	71		Aqualin herbicide	0	0	0	0	100
453	68		L-(+)-Arabinose	0	0	0	0	0
454	85		L-Arginine · HCl	0	0	0	0	0
455	25	500,206	m-Arsanilic acid, 4-(2-hydroxypropoxy)-	0	0	0	0	100
456	56		Arsenate, DMC; 25% soln. in pine oil	0	0	0	0	100
457	56		tallowamine; 5%	0	0	0	0	0
458	56	TD-242	Arsenic acid; N, N-dimethylcocoamine salt	0	0	25	100	100
459	46	84	Arsenic oxides	0	0	0	0	0
460	66		Arsenic oxide, As_2O_3	0	0	0	0	0
461	25	001,074	Arsine, tri-p-tolyl-	0	0	0	75	100
462	25	904,587	Arsinic acid, phenyl(p-sulfamylphenyl)-	0	0	0	0	0
463	25	402,843	phenyl(p-sulfophenyl)-	0	0	0	0	0
464	66		Arsonic acid, 4-hydroxy-3-nitrophenyl-	0	0	0	0	0
465	42		4-nitrobenzene	0	0	0	0	0
466	66		4-nitrophenyl-	0	0	0	0	0
467	49		Arsonium, tetraphenyl-; chloride	0	0	0	0	0
468	68		L-Ascorbic acid	0	0	0	0	25
469*	25	Y00,050	Astrazonblau B	0	100	100	100	100
470	25	Y00,051	Astrazonblau G	0	50	100	100	100
471	25	Y00,052	Astrazongelb 3G	0	0	0	0	100
472	25	Y00,053	Astrazongelb 5G	0	0	0	0	100
473	25	Y00,054	Astrazonorange G	0	0	0	0	0
474	25	Y00,055	Astrazonorange R	0	75	100	100	100
475	25	Y00,057	Astrazonrosa FG	0	0	0	0	100
476	86		Auramine O	0	0	100	100	100
477	25	100,578	Azelaic acid	0	0	0	0	0
478	57	Cr-375	Azobenzene, 4,4'-dichloro-	0	0	0	0	0
479	46	237	p-dimethylamino-	0	0	0	0	0
480	25	904,277	Azoxybenzene, 4,4'-dibromo-	0	0	75	100	100
481	57	Q-40	4,4'-dichloro-	0	0	0	0	0
482	49		m, m'-Azotoluene, 4,4'-diamino-	0	0	0	0	0
483*	49		Barbituric acid, 5,5-dihydroxy-	100	100	100	100	100
484	15		Barium acetate	0	0	0	0	0
485	9	W-5-54B	Barium monofluorophosphate	0	0	0	0	0
486	15		Barium nitrate (electronic grade)	0	0	0	0	0
487	15		Barium sulfide (Gray 85%)	0	0	0	0	0
488	25	800,313-A1	Basic orange 3RN	0	0	100	100	100
489	25	801,381	Benzaldehyde; azine	0	0	0	0	0
490	57	Cr-248	diphenyl acetal	0	0	0	0	0
491	31	99	3-bromo-4-chloro-; oxime	0	0	0	0	0
492	58	O-5770	o-butoxy-	0	0	0	0	0
493	31	636	o-chloro-; thiosemicarbazone	0	0	0	100	100
494	31	472	2,4-dichloro-; azine	0	0	0	0	0
495	54		thiosemicarbazone	0	0	0	0	0
496	31	635	2,6-dichloro-; oxime	0	0	0	0	0
497	31	63	oxime	0	0	0	0	0
498	31	313	oxime, copper addn. compound	0	0	0	100	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No	Submitter: Submitter's code		.01	.04	.10	.40	1.0
499	25	802,259	p-dimethylamino-; thiosemicarbazone	0	0	75	100	100
500	25	508,450	2,4-dinitro-	0	0	0	0	0
501	58	O-5868-a	o-hexyloxy-	0	0	0	0	0
502	46	147	p-hydroxy-	0	0	0	0	0
503	25	902,230	thiosemicarbazone	0	0	0	0	0
504	31	89	3-nitro-4-chloro-; oxime	0	0	0	0	0
505	58	O-5769	o-pentyloxy-	0	0	0	0	0
506	46	149	2,3,6-trichloro-	0	0	0	0	0
507	25	102,482	2,4,6-trimethyl-	0	50	25	100	100
508	57	Cr-806	Benzamide	0	0	0	0	0
509	57	Cr-687	2-benzyloxy-	0	0	0	0	0
510	57	Lo-69	N-benzylthio	0	0	0	0	0
511	66		3,5-dinitro-	0	0	0	0	0
512	56	NP-1339	N-octadecylpentachloro-	0	0	0	0	0
513	57	He-475	Benzanilide, 4'-benzoyl-	0	0	0	0	0
514	57	Cr-685	2-benzyloxy-	0	0	0	0	0
515	57	Lo-67	4-chloro-4'-nitro-	0	0	0	0	0
516	57	Cr-748	N-2-methylallyl-	0	0	0	0	0
517	46	222	Benzene, 2-amino-1,4-dimethoxy-	0	0	0	0	0
518	57	Cr-211	1-(benzyloxy)-2-methoxy-	0	0	0	0	0
519	57	Cr-169	m-bis(benzyloxy)	0	0	0	100	100
520	46	328	p-bis(p-chlorobenzyloxy)-	0	0	0	0	0
521	25	001,068	2,4-bis(chloromethyl)-1,3,5-trimethyl-	0	0	0	0	0
522	57	Cr-421	1,3-bis(2-phenoxyethoxy)-	0	0	0	0	0
523	28		1-bromo-3-nitro-	0	0	0	0	0
524	25	900,069	1-bromo-4-nitro-	0	0	0	0	0
525	58	O-4644	chloro-; and carbon tetrachloride reaction product	0	0	0	100	100
526	9	MA-2-158	p-chloro-, diazonium hexafluorophosphate	0	0	0	0	0
527	57	Q-238	p-chloronitro-	0	0	0	0	0
528	54		3-chloronitro-	0	0	0	0	0
529	54		4-chloronitro-	0	0	0	0	0
530	57	SM-48	crotonyl-	0	0	0	0	0
531	57	SM-465	crotonyldiisopropyl-	0	0	0	100	100
532	25	000,712	p-dibromo-	0	0	0	0	0
533	7		m-dichloro-	0	0	0	0	0
534	28		o-dichloro-	0	0	0	0	0
535	7		do.	0	0	0	0	0
536	28	JB-9	1,4-dichloro-,	0	0	0	0	0
537	28		x,x-dichloro-x-nitro-; mixture of isomers ("Tarophen CNB 33")	0	0	0	0	0
538	28		1,2-dichloro-4-nitro-	0	0	0	0	0
539	28		1,4-dichloro-2-nitro-	0	0	0	0	0
540	25	900,827	do.	0	0	0	0	0
541	57	Cr-244	2,5-dichloro-1-nitro-	0	0	0	0	0
542	54		3,4-dichloro-1-nitro-	0	0	0	0	0
543	57	Lo-58	2,4-dinitro-; morpholide	0	0	0	0	0
544	68		2,4-dinitrochloro-	0	0	0	100	100
545			1,3-dinitro-2,4,5-trichloro-; from dehydrochlorinated BHC isomers	0	75	100	100	100
546	25	106,647	p-di-p-toluoyl-	0	0	100	100	100
547	56	NP-1083	1-fluoro-2,4-dinitro	0	0	100	100	100
548	46	111	hexachloro-	0	0	0	0	0
549	54		1-nitro-2,3,5,6-tetrachloro-	0	0	0	0	0
550	58	O-4648	Benzene, 5-nitro-2-B,B,B-trichloro-a-hydroxyethoxy-1-B,B,B-trichloro-a-hydroxyethyl-; anhydro	0	0	0	100	100
551	57	V-43	octyl-	0	0	0	100	100
552	7		1,2,3,4-tetrachloro-	0	0	0	0	0
553	28		1,2,4,5-tetrachloro-	0	0	0	0	0
554	7		do.	0	0	0	0	0
555	28	JB-4	tetrachloro (mixture)	0	0	0	0	0
556	56	NP-1141	tetrachloro-nitro-	0	0	0	0	0
557	49		1,3,5-triamino-	0	0	0	0	0
558	49		trihydrochloride	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	04	10	.40	1.0
559	57	He-472	1,2,4-tribenzyloxy-	0	0	0	0	0
560	29		1,2,4-trichloro-	0	0	0	0	0
561	25	000,005	do.	0	0	0	0	0
562	28	JB-3	do	0	0	0	0	0
563	9	HH-5-63	2,4,6-trichloro-, diazonium hexafluorophosphate	0	0	0	0	0
564	56	NP-1394	2,4,5-trichloro-1,3-dinitro-	0	75	100	100	100
565	57	Q-115	1,3,5-tri(p-chlorophenyl)-	0	75	100	100	100
566	57	Q-89	1,3,5-triphenyl-	0	0	0	0	0
567	57	Mr-27	1,3,5-tris(dimethylaminomethyl)-, trismethiodide	0	0	0	0	0
568	25	900,820	Benzenearsonic acid, p-(4-biphenylylsulfamyl)-	0	0	0	0	0
569	25	500,196	4-hydroxy-3-nitro-	0	0	0	0	0
570	25	900,769	p-sulfamyl-	0	0	0	0	0
571	25	106,606	p-Benzenediacetic acid, 2,5-dihydroxy-	0	0	0	0	0
572	25	510,561	m-Benzenedicarbamic acid; diisopropyl ester	0	0	0	0	0
573	57	FW-38	m-Benzenedisulfinic acid, 4-methoxy-; disodium salt	0	0	0	0	0
574	49		p-Benzenedisulfonic acid, 5-amino-	0	0	0	0	0
575	57	Lo-147	Benzenemethanethiol, o-chloro-S-(4,5-dihyroimidazol-2-yl)-, hydrochloride	0	0	0	25	50
576	57	Lo-149	p-chloro-S-(4,5-dihydroimidazol-2-yl)-; hydrochloride	0	0	0	0	100
577	25	402,650	Benzenephosphonic acid; dioctyl ester	0	0	0	0	0
578	72		thiono-; ethyl p-nitrophenyl ester	0	0	0	0	75
579	57	FW-26	Benzenesulfinic acid, m-nitro-; sodium salt	0	0	0	0	0
580	63	O-5205	Benzenesulfonamide; and 10 moles propylene oxide, condensation product	0	0	0	0	0
581	63	O-5349	with 10 moles propylene oxide followed by 25 weight percent ethylene oxide, condensation product	0	0	0	0	0
582	63	O-5385	with 10 moles propylene oxide followed by 400 weight percent ethylene oxide, condensation product	0	0	0	0	0
583	63	O-5252	with 16 moles propylene oxide followed by 50 weight percent ethylene oxide, condensation product	0	0	0	0	0
584	63	O-5287	with 16 moles propylene oxide followed by 900 weight percent ethylene oxide, condensation product	0	0	0	0	0
585	63	O-5218	and 24 moles propylene oxide, condensation product	0	0	0	0	0
586	63	O-5310	plus 24 moles propylene oxide followed by 400 weight percent ethylene oxide, condensation product	0	0	0	0	0
587	25	901,276	p-arsenoso-	0	0	0	0	0
588	57	Cr-703	p-benzyloxy-	0	0	0	0	0
589	57	Cr-1584	N,N-bis[2-(2-butoxyethoxy)ethyl]-x,x-diisopropyl-	0	0	0	0	0
590	57	Q-205	N-(p-bromophenyl)-p-chloro-	0	0	0	0	0
591	25	900,720	N-butyl-	0	0	0	0	0
592	63	O-3260	with 4 moles propylene oxide, condensation product	0	0	0	0	0
593	25	900,726	N,N-dibutyl-	0	0	0	0	0
594	63	O-3731	N,N-di-carboxyethyl-	0	0	0	0	0
595	63	O-3436	di-propyl ester	0	0	0	0	0
596	25	904,401	p-dichloroarsino-	0	0	50	100	100
597	25	901,449	N,N-diethyl-	0	0	100	100	100
598	57	Cr-1576	x,x-diisopropyl-	0	0	0	0	0
599	25	900,895	N-ethyl-	0	0	0	0	0
600	63	O-3533	N-ethyl-N-carboxyethyl-	0	0	0	0	0
601	25	901,030	N-isopropyl-	0	0	25	100	100
602	63	O-3458-T	keryl-	0	0	0	100	100
603	63	O-3500	N-kerylphenyl-	0	0	0	0	0
604	57	FW-174	N-(1,1,3,3-tetramethylbutyl)-	0	0	0	0	0
605	63	O-5483	with propylene oxide, condensation product	0	0	0	0	0
606	63	O-5560	with 4 moles of propylene oxide, condensation product	0	0	0	0	0
607	57	Cr-1580	Benzenesulfonanilide, x,x-diisopropyl-	0	0	0	0	0
608	57	Cr-1610	x,x-diisopropyl-4'-nitro-; sodium salt	0	0	0	100	100
609	57	Q-228	4-fluoro-	0	0	0	0	0
610	57	Q-230	sodium salt	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No	Submitter: Source No	Submitter: Submitter's code		.01	.04	.10	.40	1.0
611	68		Benzenesulfonic acid	0	0	0	0	0
612	25	401,124	butyl ester	0	0	0	0	0
613	63	C-3883	do.	0	0	0	0	0
614	63	O-4311-2	n-butyl ester, pyridinium salt	0	0	0	0	0
615	63	O-4226	cetylpyridinium salt	0	0	0	100	100
616	25	401,337	diethylene glycol diester	0	0	0	0	0
617	25	401,335	ethylene glycol diester	0	0	0	0	0
618	25	401,254	ethyl ester	0	0	0	0	0
619	63	O-2359	2-ethylhexyl ester	0	0	0	0	25
620	63	O-3372	glyceryl ester	0	0	0	0	0
621	63	O-4221	laurylpyridinium salt	0	0	0	0	100
622	25	400,932	methyl ester	0	0	0	0	0
623	63	O-2308-C	2-phenoxyethyl ester	0	0	0	0	0
624	63	O-3748	phenyl ester	0	0	0	0	0
625	25	401,194	propyl ester	0	0	0	0	0
626	49		2-amino-6-(4-aminoanilino)-	0	0	0	0	0
627	25	905,123-65	p-(2-amino-1-naphthylazo)-, sodium salt	0	0	0	0	0
628	57	Cr-1102	p-benzyl-	0	0	0	0	0
629	57	Cr-800	barium salt	0	0	0	0	0
630	57	Cr-804	potassium salt	0	0	0	0	0
631	57	Cr-690	p-benzyloxy-, aniline salt	0	0	0	0	0
632	63	O-2648	x-sec-butyl-, butyl ester	0	0	0	0	0
633	63	O-3452	isobutyl ester	0	0	0	0	0
634	63	O-3587	phenyl ester	0	0	0	0	100
635	57	Cr-530	5-tert-butyl-2-hydroxy-	0	0	0	0	0
636	57	Cr-527	disodium salt	0	0	0	0	0
637	25	Y01,511	p-chloro-, alkyltrimethyl ammonium salt	0	0	0	0	100
638	57	Q-211	caprylphenyl ester	0	0	0	0	0
639	42		p-chlorobenzyl ester (50% active)	0	0	0	0	0
640	57	Q-201	p-chlorophenyl ester	0	0	0	25	75
641	28	JB-27	p-chlorophenyl ester	0	0	0	0	0
642	57	Q-207	2,4-dichlorophenyl ester	0	0	0	100	100
643	57	Q-200	dinitrocaprylphenyl ester	0	0	100	100	100
644	57	Q-210	dinitrocyclohexylphenyl ester	0	0	0	0	0
645	57	Q-215	dinitroisopropylphenyl ester	0	25	100	100	100
646	57	Q-206	2,4-dinitrophenyl ester	0	0	0	0	0
647	57	Q-214	isopropylphenyl ester	0	0	0	75	100
648	57	SM-408	p-methoxyphenyl ester	0	0	0	0	0
649	57	Q-202	p-methylphenyl ester	0	0	0	0	25
650	57	Q-204	p-nitrophenyl ester	0	0	0	0	0
651	57	Q-218	6-phenyl-2,4-dinitrophenyl ester	0	0	0	0	0
652	57	ER-162	4-chloro-x-ethyl-, pyridine salt	0	0	0	0	0
653	57	LO-566	p-chlorothiol-, trichloromethyl ester	0	0	100	100	100
654	57	SM-418	3,4-dichloro-, 4-t-butylphenyl ester	0	0	0	0	0
655	57	SM-422	2-caprylphenyl ester	0	0	0	0	0
656	57	Q-212	dinitrocaprylphenyl ester	0	0	0	75	100
657	57	LO-567	3,4-dichlorothiol-, trichloromethyl ester	0	0	0	100	100
658	25	402,640-65	p-diiodoarsino-, sodium salt	0	0	0	0	0
659	57	Cr-1638	x,x-diisopropyl-, 2-(2-thiocyanoethyl) ester	0	0	0	0	0
660	25	905,118	m-(2-hydroxy-1-naphthylazo)-	0	0	0	0	0
661	25	905,119	m-(4-hydroxy-1-naphthylazo)-	0	0	0	0	25
662	63	O-4495-3	keryl-, ammonium salt	0	0	0	0	0
663	63	O-4495-4	ethanolamine salt	0	0	0	0	75
664	63	O-4495-6	keryl-, ethylenediamine salt	0	0	0	25	100
665	63	O-4495-2	potassium salt	0	0	0	0	0
666	63	O-3252	sodium salt, chlorinated (?)	0	0	0	75	100
667	63	O-4495-5	triethanolamine salt	0	0	0	0	0
668	25	Y01,513	p-(1-methylbutyl)-, alkyltrimethylammonium salt	0	0	0	0	0
669	57	Q-221	p-nitro-, p-chlorophenyl ester	0	0	0	0	0
670	57	Q-223	dinitrocaprylphenyl ester	0	0	100	100	100
671	57	FW-10	3-nitro-thiol-, trichloromethyl ester	0	0	0	100	100
672	57	FW-5	4-nitrothiol-, trichloromethyl ester	0	0	0	100	100

Table 1. --Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
673	63	O-2412	x-octyl-; butyl ester	0	0	0	0	0
674	63	O-2.28	phenyl ester	0	0	0	0	0
675	57	FW-80	4,4'-oxydi-; diester with 2,2,2-trichloroethanol	0	0	0	0	0
676	25	404,040	thiol-; phenyl ester	0	0	0	100	100
677	25	402,608	Benzenesulfonyl chloride	0	0	0	0	0
678	63	O-2375	decyl-	0	0	0	0	0
679	57	Cr-1568	x,x-diisopropyl-	0	0	0	0	0
680	63	O-2376	dodecyl-	0	0	0	0	75
681	63	O-2386	keryl-	0	0	0	0	75
682	56	NP-447	4-chloro-3-nitro-	0	0	0	0	0
683	56	NP-1048	Benzenesulfonyl fluoride, tetrachloro	0	0	0	0	0
684	57	Cr-114	Benzenethiol; copper salt	0	0	0	0	100
685	57	WC-17	cyclohexylammonium salt	0	0	0	0	0
686	57	WC-13	3,4-dichloro-, piperidinium salt	0	0	0	0	0
687	25	703,554	p-nitro-	0	0	0	0	0
688	56	NP-1285	pentachloro	0	0	0	0	75
689	25	001,141-50	2,4,6-tribromo-; silver derivative	0	0	0	0	0
690	57	Lo-595	Benzenethiolsulfonic acid, 4-chloro-, 2,4-dinitrophenyl ester	0	0	0	0	0
691	25	107,564	1,2,4-Benzenetriol, x-tert-butyl-; triacetate	0	0	0	0	0
692	25	107,558	x-phenyl-	0	0	0	0	0
693	57	Mr-46	Benzhydrol, 4-chloro-α-ethynyl-	0	0	0	0	0
694	57	ER-41	4,4'-dichloro-α-methyl-	0	0	0	0	0
695	57	Mr-37	4,4'-dichloro-α-vinyl-	0	0	0	0	100
696	57	FW-117	x,x'-diethyl-	0	0	0	0	0
697	57	FW-119	diethyl- α-methyl-	0	0	0	0	100
698	57	FW-108	p,p'-dimethyl-	0	0	0	0	0
699	25	105,413	α-propyl-	0	0	0	75	100
700	57	FW-112	3,3',4,4'-tetrachloro-α-methyl-	0	0	0	100	100
701	57	FW-118	α,p,p'-trimethyl-	0	0	0	100	100
702	57	FW-83	Benzhydrylamine, N-cyclohexyl-, hydrochloride	0	0	100	100	100
703	57	FW-156	p,p'-dichloro-	0	0	0	75	100
704	57	FW-85	p,p'-dichloro-, N,N'-dimethyl-	0	0	0	0	100
705	57	FW-159	p,p'-dichloro-, hydrochloride	0	0	0	0	100
706	25	102,848	Benzil	0	0	0	50	75
707	57	WC-81	o,o'-dichloro	0	0	0	0	0
708	25	103,332	Benzilic acid	0	0	0	0	0
709	31	606	Benzimidazole, 2-phenyl-	0	0	0	0	75
710	57	ER-148	Benzimidic acid; ester with 2,2-bis(p-chlorophenyl) vinyl alcohol	0	0	0	0	0
711	25	106,631	1H-Benz[f]indene, 2,3-dihydro-	0	0	0	0	0
712	25	802,674	11H-Benzo[a]carbazole	0	0	0	0	0
713	25	802,674-61	potassium derivative	0	0	0	0	0
714	58	O-2369-a	1,3-Benzodioxan, 2,4-bis(trichloromethyl)-6-nitro-	0	0	100	100	100
715	57	WC-38	1,3-Benzodioxane, 6-chloro-8(2-mercaptomethylimidazolyl)-; hydrochloride	0	0	0	0	0
716	57	Cr-848	Benzofuran, 5,7-dibromo-2,3-dihydro-2,2-dimethyl-	0	0	0	0	0
717	57	Cr-401	2,3-dihydro-2,2-dimethyl-	0	0	0	0	0
718	57	Cr-853	2,3-dihydro-2,2-dimethyl-5-nitro-	0	0	0	0	0
719	25	502,572	Benzohydroxamic acid	0	0	0	0	0
720	68		Benzoic acid; benzyl ester	0	0	0	0	0
721	58	O-3894-a	2-chloroallyl ester	0	0	0	0	0
722	46	31	p-chlorobenzyl ester	0	0	0	0	100
723	58	O-3806-a	2-chlorophenyl ester	0	0	0	0	0
724	58	O-8136	3,3-dimethyl-5-methylcyclohexyl ester	0	0	0	100	100
725	58	O-8123-a	3,5-dimethylphenyl ester	0	0	0	0	0
726*	58	O-156	2,4-dinitro-6-cyclohexylphenyl ester	0	100	100	100	100
727	25	401,981	ethyl ester	0	0	0	0	0
728	57	SM-412	p-methoxyphenyl ester	0	0	0	0	0
729	57	Cr-92	methyl ester	0	0	0	0	0
730	58	O-8109	α-methylbenzyl ester	0	0	0	0	75
731	58	O-8135	3-methylbenzyl ester	0	0	0	0	100
732	25	100,384-68	nickel (II) salt	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
733	57	Cr-1115	m-acetamido-	0	0	0	0	0
734	57	Cr-1092	p-acetamido-	0	0	0	0	0
735	57	Cr-1093	p-acetamido-; copper (II) salt	0	0	0	0	0
736	25	105,993	o-(p-acetylbenzoyl)-	0	0	0	0	0
737	46	229	amino-; ethyl ester	0	0	0	0	0
738	46	227	m-amino-	0	0	0	0	0
739	46	204	o-amino-	0	0	0	0	0
740	57	Cr-62	zinc salt	0	0	0	0	0
741	87		p-amino-	0	0	0	0	0
742	57	Cr-1094	p-amino-; copper (II) salt	0	0	0	0	0
743	25	900,730	3-amino-x-chloro-4-sulfo-	0	0	0	0	0
744	49		4-amino-2,6-dihydroxy-	0	0	0	0	0
745	57	Cr-31	2-amino-5-thiocyano-; copper salt	0	0	0	0	100
746	25	500,198	4-arsono-2-nitro-	0	0	0	0	0
747	57	Cr-94	o-benzyloxy-	0	0	0	0	0
748	57	Cr-95	cupric salt	0	0	0	0	0
749	57	Cr-106	o-(2-benzyloxy-5-methylbenzoyl)-	0	0	0	0	0
750	57	Cr-107	cupric salt	0	0	0	0	100
751	25	402,642	3-bromo-2,4,6-trimethyl-	0	0	0	0	0
752	46	42	p-tert-butoxy-; p-chlorobenzyl ester	0	0	0	0	0
753	56	NP-1239	chlorinated (1.62 Cl/mol.)	0	0	0	0	0
754	56	NP-1239d	chlorinated (2.92 Cl/mol.)	0	0	0	0	0
755	56	NP-1239f	chlorinated (3.35 Cl/mol.)	0	0	0	0	0
756	56	NP-1239h	chlorinated (4.32 Cl/mol.)	0	0	0	0	0
757	25	402,230	o-chloro-; 2,2-dichloroethyl ester	0	0	0	0	0
758	46	36	p-chloro-; p-chlorobenzyl ester	0	0	0	0	100
759	57	ER-132	2-hydroxydecanenitrile ester	0	0	0	0	0
760	25	400,166-68	nickel (II) salt	0	0	75	100	100
761	46	330	p-chlorobenzoxy-; benzyl ester	0	0	0	75	100
762	31	42	3-chloro-4-hydroxy-; methyl ester	0	0	0	0	0
763	25	901,062	2-chloro-4-nitro-	0	0	100	100	100
764	25	900,035	2-chloro-5-nitro-	0	0	0	0	0
765	46	26	p-chlorobenzyl ester	0	0	0	0	0
766	46	29	4-chloro-3-nitro-; p-chlorobenzyl ester	0	0	0	0	0
767	25	501,796	p-(2,4-diamino-6-hydroxy-5-pyrimidylazo)-	0	0	0	0	0
768	31	552	3,4-dichloro-; 3,4-dichlorobenzyl ester	0	0	0	0	0
769	25	400,922-68	nickel (II) salt	0	0	0	0	0
770	49		dihydroxyamino-	0	0	0	0	0
771	49		sulfate	0	0	0	0	0
772	25	500,062	3,5-dinitro-	0	0	0	0	0
773	46	33	3,5-dinitro-2-hydroxy-; p-chlorobenzyl ester	0	0	0	0	0
774	57	Cr-755	m-hydroxy-	0	0	0	0	0
775	31	70	ethyl ester	0	0	0	0	0
776	68		p-hydroxy	0	0	0	0	0
777	46	295	benzyl ester	0	0	0	0	0
778	25	507,188	2-hydroxymercuri-3-nitro-; 1,2-cyclic anhydride	0	0	75	100	100
779	25	508,493	p-(4-hydroxy-1-naphthylazo)-	0	0	100	100	100
780	57	Cr-766	m-nitro-	0	0	0	0	0
781	57	Cr-140	B-thiocyanoethyl ester	0	0	0	0	0
782	46	23	p-nitro-, p-chlorobenzyl ester	0	0	0	0	0
783	57	Lo-161	p-chlorophenyl ester	0	0	0	0	0
784	56	Lo-160	2,4-dichlorophenyl ester	0	0	0	0	0
785	57	Cr-437	p-(2-methylpropenyl)phenyl ester	0	0	0	0	0
786	57	Lo-162	2,2,3-trichlorobutyl ester	0	0	0	0	0
787	25	400,804	m-sulfo-	0	0	0	0	0
788	57	Cr-753	barium salt	0	0	0	0	0
789	57	Cr-752	monosodium salt	0	0	0	0	0
790	46	34	o-sulfo-; di(p-chlorobenzyl) ester	0	0	0	0	0
791	25	106,646	4,4'-terephthaloyldi-	0	50	100	100	100
792	57	Cr-55	o-thiocyano-; iron (ferric) salt	0	0	0	100	100
793	25	106,608-65	2,4,5-trimethyl-; sodium salt	0	0	0	0	0
794	25	105,997	2-(2,4,6-trimethylbenzoyl)-	0	0	75	100	100

Table 1. --Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter's code		.01	.04	.10	.46	1.0
795	57	SM-98	Benzoin; oleate	0	0	0	0	0
796	31	336	p, p'-dichloro-; oxime	0	0	0	0	0
797	57	Cr-816	Benzonitrile	0	0	0	0	0
798	46	225	do.	0	0	0	0	0
799	25	102, 813	Benzophenone	0	0	0	0	0
800	57	Cr-500	4-(4-benzoylphenoxymethyl)-	0	0	0	0	0
801	57	Cr-457	4-benzylamino-	0	0	0	0	0
802	57	Cr-710	4-benzyloxy-3-bromo-	0	0	0	0	0
803	57	Cr-928	4-benzyloxy-3-nitro-	0	0	0	0	25
804	57	Cr-716	3-bromo-4-(2-chlorobenzyloxy)-	0	0	0	0	0
805	57	Cr-982	4-(2-bromoethoxy)-	0	0	0	0	0
806	57	Cr-709	3-bromo-4-hydroxy-	0	0	0	0	0
807*	57	Cr-468	4-bromomethyl-	0	100	100	100	100
808	57	Cr-488	4-[p-tert-butylphenoxy]methyl-	0	0	0	0	0
809	57	Cr-155	4-chloro-	0	0	0	0	0
810	57	Cr-533	4-(2-chloroethoxy)-	0	0	0	0	0
811	57	Cr-930	4-[2-(2-chloroethoxy)ethoxy]-3-nitro-	0	0	0	0	0
812	49		4, 4'-diamino-	0	0	0	0	0
813	57	WC-85	2, 2'-dichloro-	0	0	0	0	0
814	57	WC-82	2, 4'-dichloro-	0	0	0	0	0
815	56	NP-822a	2, 4-dichloro-	0	0	0	0	0
816	57	Cr-139	3, 4-dichloro-	0	0	0	0	0
817	32	III	4, 4'-dichloro-; oxime	0	0	0	0	0
818	58	O-5076	oxime, N-ethyl ether	0	0	0	100	100
819	57	FW-120	diethyl-	0	0	0	100	100
820	57	Cr-514	4-[2-(2, 4-dinitrophenoxy)ethoxy]-	0	0	0	100	100
821	25	107, 568	4-(diphenylmethyl)-	0	0	0	0	0
822	57	Cr-983	4, 4'-ethylenedioxydi-	0	0	0	0	0
823	57	Cr-508	4-(2-hydroxyethoxy)-	0	0	0	0	0
824	57	Cr-515	acetate	0	0	0	0	0
825	57	Cr-920	4-hydroxy-3-nitro-	0	0	0	0	0
826	57	Cr-921	acetate	0	0	0	0	0
827	57	Cr-462	4-methyl-	0	0	0	0	0
828	57	Cr-864	4-(2-methylallyloxy)-	0	0	0	0	0
829	57	Cr-780	4-(4-phenoxybenzyloxy)-	0	0	0	0	0
830	57	Cr-475	4-phenoxymethyl-	0	0	0	0	100
831	25	103, 871	Benzopinacol	0	0	0	0	0
832	25	106, 615	2H-1-Benzopyran-3-carboxylic acid, 8-methoxy-2-oxo-	0	0	0	0	0
833	25	106, 184	2H-1-Benzopyran-5-ol, 2, 2, 4-trimethyl-	0	0	0	0	0
834	45	Spl 4395-50-E	Benzoquinone, (rearranged) adduct of levopimaric acid	0	0	0	100	100
835	46	167	o-Benzoquinone, 2, 5-dihydroxy-	0	0	0	0	0
836	46	305	p-Benzoquinone, 2, 5-dichloro-3, 6-dihydroxy-	0	0	0	0	0
837	49		2, 5-dihydroxy-	0	0	0	0	0
838	25	107, 562	(p-ethoxyphenyl)-	0	0	100	100	100
839	55		tetrachloro- ("Spergon", wettable, 48% active)	0	0	0	0	0
840	57	Cr-498	Benzothiazole, 2-acetamido-7-benzoyl-	0	0	0	0	0
841	57	Cr-487	2-amino-6-benzoyl-	0	0	0	0	0
842	57	Lo-143	2-(2, 4-dinitrophenylmercapto)-	0	75	100	100	100
843	46	303	1-mercapto-	0	0	0	0	0
844*	38		2-mercapto- [and Carbamic acid, dimethyldithio- sodium salts of] ("Vancide 51")	0	100	100	100	100
845	38	30	zinc chloride complex	0	0	0	0	0
846	49		Benzotriazole	0	0	0	0	0
847	25	502, 676	1H-Benzotriazole, 6-nitro-	0	0	0	0	0
848	57	SM-360	2H-1, 3-Benzoxazine, 6-tert-butyl-3-cyclohexyl-3, 4-dihydro-	0	0	0	0	100
849	57	SM-367	6-chloro-3-cyclohexyl-3, 4-dihydro-	0	0	0	0	0
850	57	FW-192	3-(p-chlorophenyl)-3, 4-dihydro-8-methyl-6-(1, 1, 3, 3-tetramethylbutyl)-	0	0	0	0	100
851*	57	FW-140	3-cyclohexyl-3, 4-dihydro-8-methyl-6-(1, 1, 3, 3-tetramethylbutyl)-	0	100	100	100	100
852	57	FW-162	3-cyclohexyl-3, 4-dihydro-6-(1, 1, 3, 3-tetramethylbutyl)-	0	75	75	100	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
853	57	FW-161	3,4-dihydro-3(2-ethylhexyl)-7-(1,1,3,3-tetramethylbutyl)-8-methyl-	0	0	0	0	100
854	57	FW-165	3,4-dihydro-3-(2-hydroxyethyl)-8-methyl-6-(1,1,3,3-tetramethylbutyl)-	0	0	0	100	100
855	25	501,049	2',4'-Benzoxylidide, 5'-amino-	0	0	0	0	0
856	46	105	Benzoyl chloride, p-nitro-	0	0	0	0	0
857	25	906,382	2,4,6-trinitro-	0	0	0	0	100
858	46	302	Benzyl alcohol	0	0	0	0	0
859	25	402,629	p-bromo-a-methyl-	0	0	0	0	0
860	57	Q-88	p-chloro-	0	0	0	0	0
861	57	FW-105	p-chloro-a-methyl-	0	0	0	0	0
862	57	WC-86	o,o'-dichloro- & -ethynyl	0	0	0	0	0
863	59	CP-2474	3,4-dichloro-methyl-	0	0	0	0	0
864	31	543	3,4-dichloro-a-trichloromethyl-	0	0	0	0	0
865	63	O-3808	keryl-	0	0	0	100	100
866	25	102,474	a-propenyl-	0	0	0	50	100
867	57	FW-167	Benzylamine, p-chloro-N-(1,1,3,3-tetramethylbutyl)-; disalt with sebacic acid	0	0	0	0	0
868	57	Cr-301	N-p-chlorophenyl-	0	0	0	0	0
869	57	Cr-302	hydrochloride	0	0	0	0	0
870	57	Cr-337	N-(2-chlorophenyl)-p-nitro-	0	0	0	0	75
871*	57	Cr-325	N-(2-chloro-4-thiocyanophenyl)-	0	100	100	100	100
872	57	Cr-478	N-cyclohexyl-; hydrochloride	0	0	0	0	0
873	59	CP-100	N-cyclohexyl-N-pentyl-	0	0	0	0	100
874	57	SM-275	N,N-dialkyl-methyldodecyl-	0	0	0	0	0
875	57	SM-274	N,N-diallyl-p-hexyl-	0	0	25	100	100
876	57	FW-153	p,p'-dichloro-N,N'-bis(1,1,3,3-tetramethylbutyl)-N,N'-thiodi-	0	0	0	0	0
877	57	SM-280	N,N-diisopropyl-	0	0	0	0	100
878	25	507,516	N-(2,5-dimethoxyphenyl)-	0	0	0	0	0
879	57	SM-289	dodecylmethyl- (mixture)	0	0	0	0	0
880	49		N-ethyl-p-nitroso-N-phenyl-	0	0	0	100	100
881	57	Cr-470	N-hexyl-	0	0	0	0	0
882	25	802,873	N-isopropyl-	0	0	0	0	0
883	63	O-3677	keryl-	0	0	0	0	0
884*	57	Cr-296	N-methyl-N-(4-thiocyanophenyl)-	0	100	100	100	100
885*	57	Cr-324	N-(2-methyl-4-thiocyanophenyl)-	0	100	100	100	100
886	57	Cr-335	N-(2-nitrophenyl)-	0	0	0	0	0
887	57	Cr-260	N-(4-nitrophenyl)-	0	0	0	0	0
888	57	Cr-246	N-(4-thiocyanophenyl)-	0	0	50	100	100
889	57	Cr-950	Benzyl chloride, o- and p-chloro- mixture	0	0	0	0	0
890	25	000,376	Benzyl disulfide	0	0	0	100	100
891	57	Mr-18	Benzylidenimine, p-chloro-N-diisobutyl-	0	0	0	0	0
892	57	Mr-11	p-chloro-N-nonyl-	0	0	0	0	0
893	57	Mr-21	N-diisobutyl-p-methoxy-	0	0	0	0	0
894	25	402,930	Benzylphosphonic acid; diethyl ester	0	0	0	0	0
895	31	502	2-chloro-a-hydroxy-; ethyl ester	0	0	0	0	0
896	57	H-129	Benzyl sulfide	0	0	0	0	75
897	57	Gr-869	Benzylthiosulfonic acid, p-nitro-; sodium salt	0	0	0	0	0
898	57	SM-229	4,4'-Biacetophenone, difurfurylidene-	0	0	0	0	0
899	25	001,151	9,9'-Bianthryl	0	0	0	0	0
900	25	905,113	Bibenzyl, a,a'-dibromo-4,4'-dinitro)-	0	0	0	0	0
901	57	Cr-1641	x,x-dichloro-	0	0	0	100	100
902	57	Q-140	Bicarbamic acid; diethyl ester	0	0	0	0	0
903	54		4,4'-Bicarbanilic acid; diisopropyl ester	0	0	0	0	0
904	54		2,2'-di-methoxy-; diisopropyl ester	0	0	0	0	0
905	54		2,2'-dimethyl-; diisopropyl ester	0	0	0	0	0
906	57	Q-164	Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxamic acid, N-(2-cyanoisopropyl)-7,7-dimethoxy-1,4,5,6-tetrachloro-	0	0	0	0	0

Table 1 --Bioassays of chemical compounds listed alphabetically (Continued)

Chemical: Identification number: Laboratory No.	Chemical: Identification number: Submitter: Source No.	Chemical: Identification number: Submitter: Submitter's code	Chemical: Technical name	Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.): .01	.04	.10	40	1.0
907	57	Q-158	Bicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, 7,7-dimethoxy-N-isopropyl-1,4,5,6-tetrachloro-	0	0	0	100	100
908	57	Q-255	7,7-dimethoxy-1,3,4,5-tetrachloro-; ammonium salt, monohydrate	0	0	0	0	0
909	57	Q-254	7,7-dimethoxy-1,4,5,6-tetrachloro-	0	0	0	0	0
910	57	Q-257	7,7-dimethoxy-1,4,5,6-tetrachloro-N-trichloromethylsulfen-	0	0	0	0	0
911	46	32	Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid; di(p-chlorobenzyl) ester	0	0	0	0	75
912	25	107,794	didodecyl ester	0	0	0	0	0
913	25	107,793	dinonyl ester	0	0	0	0	0
914	25	107,795	ditetradecyl ester	0	0	0	0	0
915	57	Q-79	7,7-dichloro-; di-2-chloroethyl ester	0	0	0	0	0
916	57	Q-51	1,4,5,6,7,7-hexachloro- mono-2-chloroethyl ester	0	0	0	0	0
917	57	Q-147	Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic anhydride, 7,7-dimethoxy-1,2,4,5,6-pentachloro-	0	0	0	0	0
918	57	Q-153	7,7-dimethoxy-1,4,5,6-tetrachloro-	0	0	0	0	0
919	40		Bicyclo[3.1.1]hept-2-ene-2-ethanol, 6,6-dimethyl-	0	0	0	0	0
920	25	107,560	[Bicyclohexyl]-1-carboxylic acid	0	0	0	0	0
921	25	504,014-10	2-diethylaminoethyl ester, hydrochloride	0	0	50	75	100
922	57	Q-170	Bicyclo[0.2.4]oct-3-ene, 2,5,7,8-tetrachloro-	0	0	0	0	100
923	57	Cr-1241	Biguanide, 1-(2-biphenylyl)-	0	0	0	0	0
924	57	Cr-1240	monohydrochloride	0	0	0	0	0
925	57	Cr-859	1-[p-(p-bromophenoxy)phenyl]-	0	0	0	0	100
926	57	Cr-858	monohydrochloride	0	0	0	0	100
927	57	Cr-851	1-p-phenoxyphenyl-	0	0	0	0	0
928	57	Cr-850	monohydrochloride	0	0	0	0	0
929	25	800,002-10	1-phenyl-; hydrochloride	0	0	0	0	0
930	25	800,892-10	1-o-tolyl-; monohydrochloride	0	0	0	0	0
931	25	101,085	x,x'-Biphenol	0	0	0	0	0
932	25	106,375	p,p'-Biphenol, 2,2'-dipropyl-	0	0	0	100	100
933	25	000,674	Biphenyl, 4'-bromo-3-methyl-	0	0	0	0	100
934	58	O-2591	chlorinated ("Aroclor 1242")	0	0	0	100	100
935	58	O-8078-b	chlorinated ("Aroclor 1248")	0	0	0	100	100
936*	58	O-2592	chlorinated ("Aroclor 1254")	0	100	100	100	100
937	58	O-135	4-chloro-	0	0	0	0	0
938	57	Cr-333	4-chloromethyl-	0	0	0	0	0
939	54		dichloro-4,4'-dihydroxy- ("Dichlorobisphenol A")	0	0	0	100	100
940	58	O-2092	x,x-diethyl-2-hydroxy-	0	0	0	100	100
941	58	O-8082	hexabromo-	0	0	0	100	100
942	58	O-228-b	4-methoxy-	0	0	0	0	0
943	25	508,470	3-nitro-	0	0	0	0	0
944	25	000,973	2,2',3,3',4,4',6,6'-octamethyl-	0	0	0	0	0
945	58	O-67	2-Biphenylamine	0	0	0	0	0
946	25	802,672	5-bromo-	0	0	0	0	50
947	57	Cr-456	4-Biphenylamine; hydrochloride	0	0	0	0	0
948	25	402,844	4-Biphenylarsonic acid, 4'-sulfo-	0	0	0	0	0
949	25	402,844-65	S-monosodium salt	0	0	0	0	0
950	25	106,637	2,3-Biphenyldicarboxylic acid, 3',4'-dimethoxy-	0	0	0	0	0
951	63	O-3734	x,x-Biphenyldisulfonamide, N,N,N',N'-tetracyanoethyl-	0	0	0	0	0
952	25	105,139	4-Biphenylmethanol, a-methyl-	0	0	0	0	0
953	25	105,338	4-Biphenylpropanol	0	0	0	100	100
954	63	O-3990-D III	x-Biphenylsulfonamide, 2'-nitro-N,N-bis(2-cyanoethyl)-	0	0	0	0	0
955	25	402,138-65	4-Biphenylsulfonic acid; sodium salt	0	0	0	0	0
956	25	402,842-65	4'-diiodoarsino-; sodium salt	0	0	0	0	0
957	25	508,089	4,4'-Bi-o-stearanisidide	0	0	0	0	0
958	63		2,2-Bipyridine	0	0	0	0	0
959	88		2,2'-Biquinoline	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
960	54		Biuret, dithio-	0	0	0	0	0
961	57	Cr-1244	1-(2-biphenylyl)-2, 4-dithio-	0	0	0	100	100
962	57	Cr-852	1-p-phenoxyphenyl-2, 4-dithio-	0	0	0	100	100
963	57	Cr-103	1-phenyl-2, 4-dithio-; ferrous salt	0	0	75	100	100
964	57	Cr-102	zinc salt	0	75	100	100	100
965	57	Cr-109	1-p-tolyl-2, 4-dithio	0	0	0	0	100
966	25	802, 874-10	Bornylamine; hydrochloride	0	0	0	0	0
967	89		Bromphenol Blue	0	0	0	0	0
968	87		Bromthymol Blue	0	0	0	0	0
969	68		Brucine Sulfate	0	0	0	0	0
970	25	5K0, 164	Brucine; salt with 1 f. wt. N-formyl-D-leucine	0	0	0	0	0
971	25	9K0, 093	salt with 1 f. wt. N-formyl-D-methionine	0	0	0	0	0
972	25	5K0, 163	salt with 1 f. wt. mono-sec-butyl phthalate	0	0	0	0	0
973	25	5K0, 161	Brucine; salt with 1 f. wt. d-a-(p-nitrophenyl)butyric acid	0	0	75	100	100
974	25	5K0, 162	salt with 1 f. wt. l-a-(p-nitrophenyl)butyric acid	0	0	0	0	0
975	54		Butadiene, hexachloro-	0	0	0	0	0
976	57	Q-259	1, 3-Butadiene, 2-chloro-3-(2, 4-dinitrophenylsulfenyl)-	0	0	0	50	100
977	57	Q-125	Butane, 1, 1-bis(p-methoxyphenyl)-2, 2, 3-trichloro-	0	0	0	0	0
978	57	Q-14	1-(4-chlorophenyl)-1, 3-dihydroxy-4, 4, 4-trichloro-	0	0	0	0	0
979	42		1-(4-chlorophenyl)-2-nitro-1-phenyl-, chlorinated, Cl = 39% (25% active)	0	0	0	0	0
980	25	000, 989	1, 2, 3, 4-tetrabromo-	0	0	0	0	0
981	25	001, 140	1, 2, 3-tribromo-	0	0	0	0	0
982	25	100, 970	1, 4-Butanediol	0	0	0	0	0
983	57	Q-108	2, 2, 3, 3-tetrachloro-; diacetate	0	0	0	0	0
984	56	NP-991	Butanedisulfonic acid, 1, 4-dihydroxy-, sodium salt	0	0	0	0	0
985	25	403, 138-61	1-Butanesulfonic acid; potassium salt	0	0	0	0	0
986	25	900, 100-67	2-nitro-; ammonium salt	0	0	0	0	0
987	54		Butanol, trichloro-	0	0	0	0	75
988	25	501, 256	1-Butanol, 2-amino-	0	0	0	0	0
989	54		2-nitro-	0	0	0	0	0
990	25	104, 121	4-phenoxy-	0	0	0	0	0
991	54		2-Butanol, 4-(p-hydroxyphenyl)-2-methyl-	0	0	0	0	0
992	25	106, 607	2-Butanone, 4-phenyl-	0	0	0	0	0
993	57	Q-29	Butene, tetrachloro-	0	0	0	0	0
994	57	ER-160	1-Butene, 4, 4-bis(p-chlorophenyl)-	0	0	75	100	100
995	54		3, 4-dichloro-	0	0	0	0	100
996	57	Q-71	2-Butene, 1, 4-bis(p-chlorophenoxy)-	0	0	0	0	0
997	57	Q-34	1-chloro-4-thiocyano-	0	0	0	0	75
998	54		1, 4-dichloro-	0	0	0	0	0
999	57	Q-103	1, 4-dimethoxy-2, 3-dichloro-1, 1, 4, 4-tetraphenyl-	0	0	0	0	0
1000	57	O-38	1-ethoxyl-4-chloro-	0	0	0	0	0
1001	25	001, 062	2-phenyl-	0	0	0	0	0
1002	57	Cr-1117	1-Butene-1, 3-diamine, N, N'-diphenyl-	0	0	0	0	0
1003	25	101, 075	2-Butene-1, 4-diol	0	0	0	0	0
1004	57	Q-107	2, 3-dichloro-; diacetate	0	0	0	0	0
1005	57	SM-60	2-Butene-1, 4-dione, 1-cyclopropyl-2, 4-diphenyl-	0	0	0	0	100
1006	25	105, 992	1, 4-diphenyl-; trans	0	0	100	100	100
1007 *	57	Q-97	2-Butene-4-one, 1, 1, 1, 3-tetrachloro-4-(p-chlorophenyl)-	0	100	100	100	100
1008	46	280	3-Butene-2-one, 4-(3-methoxy-4-hydroxyphenyl)-	0	0	0	0	0
1009	25	106, 629	3-Buten-1-ol, 1-(3, 4-dimethoxyphenyl)-	0	0	0	0	0
1010	54		3-Buten-2-ol, 1-chloro-	0	0	0	0	0
1011	25	507, 198	1, 1'-hydrazinodi-	0	0	0	0	0
1012	63	O-5357-I	n-Butyl alcohol, with cyclohexene oxide, mol. wt. 311, with 380 weight percent ethylene oxide, condensation product	0	0	0	0	0
1013	25	800, 444-A3	Butylamine; complex with ½ f. wt. fluosilicic acid	0	0	0	0	0
1014	57	WC-27	N-cyanoethyl	0	0	0	0	0
1015	25	105, 029	Butyl borate, tri-	0	0	0	0	100
1016	57	Mr-13	Butylidenimine, N-1, 1, 3, 3-tetramethylbutyl-2, 2, 3-trichloro-	0	0	0	0	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1017	54		Butyl sulfite, di-	0	0	0	0	0
1018	57	Lo-100	Butylxanthic acid, carboxymethyl ester	0	0	0	0	0
1019	57	Lo-262	carboxymethyl ester, di(B-hydroxyethyl) ammonium salt	0	0	0	0	0
1020	57	Lo-272	Butylxanthoacetic acid; 1,4-bis(dimethylamino)-2-butyne mono salt	0	0	0	0	0
1021	57	Lo-253	calcium salt	0	0	0	0	0
1022	57	Lo-254	cyclohexylamine salt	0	0	0	0	0
1023	57	Lo-281	B-Butylxanthopropionic acid	0	0	0	0	0
1024	57	Q-252	Butyne,1,4-bis-N-nonylmethylamino-	0	0	0	0	0
1025	57	O-1703	2-Butyne, 1,4-bis-dibutylamino	0	0	0	0	0
1026	57	Q-197	N,N'-bis-1',1-dichloro-2'-(p-hydroxyphenyl)-2'-(p-phenoxy)ethanedimethylamino	0	0	0	0	0
1027	57	Q-303	1,4-bis(dimethylamino)-1,4-diphenyl-	0	0	0	0	0
1028	57	O-2019	1,4-bis(1,1,3,3-tetramethylbutyl)amino-	0	0	0	100	100
1029	57	Q-98	1,4-dihydroxy-1,1,4,4-tetraphenyl-	0	0	0	0	0
1030	57	Q-105	1,4-dimethoxy-1,1,4,4-tetraphenyl-	0	0	0	0	0
1031	57	Q-285	1-dimethylamino-4-diethanolamino-	0	0	0	0	0
1032*	57	Q-317	1-di(3,5,5-trimethylhexyl)amino-4-[methyl(3,5,5-trimethylhexyl)amino]-	0	100	100	100	100
1033	56	NP-1093	3-Butyne, 1,4-dichloro-	0	0	0	0	0
1034	56	NP-1098	2-Butyne-1,4-diol	0	0	0	0	0
1035	57	Mr-31	2-Butyn-1-ol, 1,1-bis-(p-chlorophenyl)-4-dimethylamino	0	0	0	75	100
1036	57	Q-122	1,1-diphenyl-4-dimethylamino	0	0	0	0	0
1037	57	SM-322	1,1-(1,1,3,3-tetramethylbutyl)-4-dimethylamino-	0	0	0	0	0
1038	54		3-Butyn-2-ol, 2-methyl-; carbanilate	0	0	0	0	0
1039	57	SM-95	Butyraldehyde; polymer	0	0	0	0	50
1040	57	Lo-413	Butyramide, N-B-(N-ethylenethioureido)ethyl-2,2,3-trichloro-	0	0	0	0	0
1041	57	FW-57	a,a,B-trichloro-N-octadecyl-	0	0	0	0	0
1042	57	Cr-1588	Butyranilide, a,a,B-trichloro-	0	0	0	0	0
1043	25	107,561	Butyric acid; diester with 2,2-dimethyl-1,3-propanediol	0	0	0	0	0
1044	25	101,484-68	nickel (II) salt	0	0	0	0	0
1045	25	500,635	DL-2-amino-	0	0	0	0	0
1046	25	103,789	2-ethyl-; diester with 1,4-butanediol	0	0	0	0	0
1047	25	401,038	heptafluoro-	0	0	0	0	0
1048	25	106,593	2-hydroxy-2-methyl-	0	0	0	0	0
1049	25	507,202	d-a-(p-nitrophenyl)-	0	0	0	0	0
1050	25	507,203	dl-a-(p-nitrophenyl)-	0	25	50	100	100
1051	25	400,512	7-octylmercapto-	0	0	0	0	100
1052*	57	Cr-1643	a,a,B-trichloro-; x-(1-methylheptyl)-x,x-dinitrophenyl ester	0	100	100	100	100
1053	57	Cr-1621	pentachlorophenyl ester	0	25	75	100	100
1054	25	100,975	Butyrolactone	0	0	0	0	0
1055	25	507,191	Butyronitrile, 2-hydroxy-2-methyl-3-oxo-; acetate	0	0	0	0	75
1056	57	Cr-1845	Butyrophenone, 2'-(2-chlorobenzyloxy)-5'-chloro-2-ethyl-	0	0	0	100	100
1057	57	SM-446	4'-chloro-3-(p-chlorophenyl)-	0	0	0	100	100
1058	25	900,084	2,4'-dibromo-3-(p-chlorophenyl)-4-nitro-4-phenyl-	0	0	0	0	0
1059	25	106,991	2-ethyl-	0	0	0	0	0
1060	49		4'-methoxy-	0	0	0	0	0
1061	57	Q-78	2,4,4,4,4'-pentachloro-3-hydroxy-	0	0	0	100	100
1062	57	Q-17	4,4,4,4'-tetrachloro-3-(p-chlorophenyl)-	0	75	100	100	100
1063	15		Cadmium acetate, A. R.	0	0	0	0	0
1064	90		Cadmium arsenite	0	0	0	0	0
1065	15		Cadmium bromide, crystals	0	0	0	0	0
1066	15		Cadmium chloride, A. R.	0	0	0	0	0
1067	56	6289	Cake, a, B	0	0	0	0	0
1068	50		Calsium arsenate 50% (monohydrated copper sulfate 10%, hydrated lime 40%; "Blueberry Dust")	0	0	0	0	0
1069	46	170	Camphor	0	0	0	0	0
1070	46	312	monoxime	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1071	25	507,205	B-Campheramic acid	0	0	0	0	0
1072	25	105,965	Δ-Campheric acid	0	0	0	0	0
1073	25	402,643	Δ-Camphersulfonyl chloride, 3-bromo-	0	0	0	0	0
1074	68		dL-10-Camphosulfonic acid	0	0	0	0	0
1075	31		Candicidin A	0	0	0	0	0
1076	31		Candicidin B	0	0	0	0	0
1077	25	106,370	1-Caproic acid, 1-cyclohexene-	0	0	0	0	0
1078	25	507,540	Caproic acid, a-ethyl-, diester with N-(2-hydroxypropyl) lactamide	0	0	0	0	0
1079	57	Cr-1852	Caprylophenone, 2'-benzyloxy-2,5'-dichloro-	0	0	0	25	100
1080	25	510,334	Carbamic acid; 2-hydroxyethyl ester	0	0	0	0	0
1081	54		methylal ester	0	0	0	100	100
1082	57	Q-112	2-thiocyanoethyl ester	0	0	0	0	0
1083	57	Cr-1825	acetyl-; butyl ester	0	0	0	0	0
1084	56	NP-1041	N,N-bis(2-cyanoethyl)-; sodium salt	0	0	0	0	0
1085	57	Lo-179	N,N-bis(2-hydroxyethyl)dithio-; potassium salt	0	0	0	0	0
1086	54		Carbamic acid; a-carbocyclo-hexoxyethyl-N-phenyl ester	0	0	0	0	0
1087	54	63392-114 -1532	a-carbo (2,4-dichlorophenoxyethoxy ethyl-N-3-chlorophenyl ester	0	0	0	0	0
1088	54	63390-114 -1537	(2,4-dichlorophenoxyethoxy)ethyl-N-3-methylphenyl ester	0	0	0	0	0
1089	54	63392-88 -2431	a-carboxyethyl-N-3-chlorophenyl ester	0	0	0	0	0
1090	54	63600-114 -1159	a-chloroallyl-N-3-chlorophenyl ester	0	0	0	0	0
1091	54	63600-114 -888	2-chloroethyl-N-3-cyanophenyl ester	0	0	0	0	0
1092	54	63390-114 -1139	2-chloroethyl-N-2-methyl-5-chlorophenyl ester	0	0	0	0	0
1093	54	63390-114 -1671	N^2-4-chlorophenyl-; 2-butanone oxime	0	0	0	0	0
1094	54		N-3-chlorophenyl-; isopropyl ester	0	0	0	0	0
1095	54		N-3-chlorophenyl-; propynyl ester tech.	0	0	0	0	0
1096	54	63600-114 -1152	B-(2-cyanoethoxy)ethyl N-3-chloro-phenyl ester	0	0	0	0	0
1097	54	63392-114 -1564	B-cyanoethyl-N-3-chlorophenyl ester	0	0	0	0	0
1098	57	FW-234	N-(2-cyanoethyl)-, N-2 ethylhexyl-, benzyl ester	0	0	0	0	0
1099	57	FW-225	ethyl ester	0	0	0	0	0
1100	54	63392-114 -1525	B-cyanoethyl-N-phenyl ester	0	0	0	0	0
1101	54	63600-114 -1395	N-3-cyanophenyl-; isopropyl ester	0	0	0	0	0
1102	46	2	cyclohexyl-; 2-hydroxyethyl ester	0	0	0	0	0
1103	57	FW-241	cyclohexyl-dodecyl-; benzyl ester	0	0	0	0	0
1104	26	EC 1281	dibutyldithio-; sodium salt (45% sol. in water)	0	0	0	0	0
1105	57	Cr-1858	(2,2-dichloroethylidene)di-; diethyl ester	0	0	0	0	0
1106	54	63600-114 -1110	B-2,4-dichlorophenoxyethyl-N-3-chlorophenyl ester	0	0	0	0	0
1107	54	63390-114 -1594	N^2-2,5-dichlorophenyl-; acetoxime	0	0	0	0	0
1108	54	63600-114 -1175	2(1,3-dichloropropyl)-N-3-chloro-phenyl ester	0	0	0	0	0
1109	57	Lo-81	diethyldithio-; carbamylmethyl ester	0	0	0	100	100
1110	38	F-418	diethyldithio-; selenium salt	75	100	100	100	100
1111*	38	F-3120	tellurium salt	100	100	100	100	100
1112	4		dimethyl-; 1-allyl-3-methyl-5-pyrazolyl ester	0	0	0	0	0
1113	4		2,6-dimethyl-4-pyridyl ester	0	0	0	0	0
1114	4		1-phenyl-3-methyl-5-pyrazolyl ester	0	0	0	0	0

Table 1. --Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1115	57	Lo-48	dimethyldithio- benzyl ester	0	0	0	100	100
1116*	38	F-423	bismuth salt	100	100	100	100	100
1117	57	Lo-35	carbamylmethyl ester	0	0	0	100	100
1118	25	800, 119-58	copper (II) salt	0	25	100	100	100
1119	57	Lo-24	diester with 1, 2-ethanedithiol	0	0	0	0	0
1120*	56	TD-304	dimethylcocoamine salt	0	100	100	100	100
1121	57	Lo-18	Carbamic acid, dimethyldithio-; ethyl ester	0	0	0	0	0
1122*	38	F-392	lead salt	100	100	100	100	100
1123*	38	F-259	selenium salt	100	100	100	100	100
1124*	25	800, 119-65	sodium salt	100	100	100	100	100
1125*	38	F-51	dimethyldithio-; sodium salt, mixed with sodium salt of 2-mercaptobenzothiazole	75	100	100	100	100
1126*	38		sodium salt, mixed with the sodium salts of 2-thiazolethiol and chlorinated phenols, mainly pentachlorophenol ("Vancide 76")	0	100	100	100	100
1127*	38	F-14	zinc salt	100	100	100	100	100
1128*	57	Lo-258	dinonyldithio-; dinonylamine salt	0	100	100	100	100
1129	57	Lo-344	N, N'-dinonylethylenebis [dithio-], zinc salt	0	0	0	0	0
1130	54	63390-114 -397	4, 4-diphenylene bis(o-isopropyl ester)	0	0	0	0	0
1131	54		diphenyl-; ethyl ester	0	0	0	0	0
1132	74		di-n-propylthiol; ethyl ester (78% active in kerosene)	0	0	0	0	0
1133	74	R-1607	di-n-propylthiol; propyl ester	0	0	0	0	0
1134*	57	Lo-450	dithio-; 1-(2-hydroxynaphthyl)methyl ester	100	100	100	100	100
1135	57	Lo-319	nonyl ester, mono-zinc salt	0	0	0	100	100
1136	57	Lo-486	pentamethylene, piperidinium salt	0	25	100	100	100
1137	54	63390-114 -221	ethylene bis(N-3-chlorophenyl ester)	0	0	0	100	100
1138	50		ethylenebis [dithio-	0	0	0	0	0
1139	57	Lo-126	di(3, 4-dichlorobenzyl)ester	0	0	0	0	75
1140	57	BM-45	di-4-hydroxy-4-methyl-2-pentanone ester	0	0	0	0	0
1141	54		2-furfuryl-; isopropyl ester	0	0	0	0	0
1142	57	FW-214	2-furyl-, ethyl ester	0	0	0	0	0
1143	57	Q-106	(1-hydroxy-2, 2, 2-trichloroethyl)-; chloroethyl ester	0	0	0	0	0
1144	57	Q-81	ethyl ester	0	0	0	0	0
1145	57	Lo-270	B-(imidazolidin-2-thione-1-yl) ethyldithio-, zinc salt	0	0	0	0	0
1146	74		methyldithio-; sodium salt 32.7% active ingredient	0	0	0	100	100
1147	57	FW-232	x-(1-methylheptyl)benzyl-1, 1, 3, 3-tetramethylbutyl-; benzyl ester	0	0	0	0	0
1148	75		N-methyl-1-naphthyl-	0	0	0	0	100
1149	54	63390-114 -1581	N^2-3-methylphenyl-; acetoxime	0	0	0	0	0
1150	57	Lo-170	morpholinodithio-; allyl ester	0	0	75	100	100
1151	57	Lo-171	methallyl ester	0	0	0	100	100
1152	54	63600-114 -396	3-morpholinylpropyl-; isopropyl ester	0	0	0	0	0
1153	54	63392-114 -1635	N^2-phenyl; acetophenone oxime	0	0	0	0	0
1154	54	63390-114 -1575	N^2-phenyl; acetoxime	0	0	0	0	0
1155	54	63390-114 -1538	N^2-phenyl-; 2-butanone oxime	0	0	0	0	0
1156	54		N-phenyl-; isopropyl ester tech.	0	0	0	0	0
1157	42		isopropyl ester (40% active)	0	0	0	0	0
1158	54		propynyl ester	0	0	0	0	0
1159	54		m-phenylenedi-; diisopropyl ester	0	0	0	0	0
1160	25	900, 168	thiono-; ethyl ester	0	0	0	0	0
1161	57	Q-111	2, 2, 2-trichloroethylidene-; 2-chloroethyl ester	0	0	0	0	0
1162	57	Q-84	ethyl ester	0	0	0	0	0
1163	57	Lo-329	triethylenetetrakis dithio-; zinc salt	0	0	0	0	0

Table 1. --Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1164	26	EC 1335	Carbamoyl chloride, diethylthio-	0	0	0	100	100
1165	46	319	diphenyl-	0	0	0	0	0
1166	54		Carbanilic acid; a-carbobutoxyethyl ester	0	0	0	0	0
1167	54		a-carboxyethyl ester	0	0	0	0	0
1168	25	904, 151	3-chloropropyl ester	0	0	0	0	0
1169	57	Lo-158	cyclohexyl ester	0	0	0	0	0
1170	54		isopropyl ester	0	0	0	0	0
1171	57	Lo-4	methyl ester	0	0	0	0	0
1172	54		N-benzyl-3-methyl-; isopropyl ester	0	0	0	0	0
1173	54		N-butyl-; isopropyl ester	0	0	0	0	0
1174	57	FW-216	4-carboxy-; diethyl ester	0	0	0	0	0
1175	54		3-chloro-; a-carbobutoxyethyl ester	0	0	0	0	0
1176	54		a-carboxyethyl ester	0	0	0	0	0
1177	54		1, 3-dichloro-2-propanyl ester	0	0	0	0	0
1178	54		diethyleneglycol diester	0	0	0	0	0
1179	57	FW-175	m-chloro-, ethyl ester	0	0	0	0	0
1180	54		ethylene glycol diester	0	0	0	0	100
1181	53		isopropyl ester	0	0	0	0	0
1182	57	FW-177	4-chloro-, allyl ester	0	0	0	0	0
1183	57	FW-181	2-chloroethyl ester	0	0	0	0	0
1184	57	FW-191	4, 4'-dichlorobenzohydryl ester	0	0	0	0	0
1185	57	FW-205	diethyleneglycol diester	0	0	0	0	75
1186	57	FW-188	dodecyl ester	0	0	0	0	0
1187	57	FW-186	methyl ester	0	0	0	0	0
1188	57	FW-203	N-methyl-, ethyl ester	0	0	0	0	0
1189	57	Q-94	thiocyanomethyl ester	0	0	0	0	0
1190	57	FW-215	4-chloro-N-cyanomethyl-; ethyl ester	0	0	0	0	0
1191	54		3-chloro-6-methoxy-; isopropyl ester	0	0	0	0	0
1192	54		3-chloro-2-methyl-; isopropyl ester	0	0	0	0	0
1193	54		isopropyl ester and 3-chloro-6-methyl-; isopropyl ester	0	0	0	0	0
1194	54		3-chloro-4-methyl-; isopropyl ester	0	0	0	0	0
1195	54		3-chloro-6-methyl-; 2-chloroethyl ester	0	0	0	0	0
1196	54		3-cyano-; 2-chloroethyl ester	0	0	0	0	0
1197	54		isopropyl ester	0	0	0	0	0
1198	54		2, 3-dichloro-; isopropyl ester	0	0	0	0	0
1199	57	FW-211	2, 4-dichloro-, ethyl ester	0	0	0	0	100
1200	54		2, 4-dichloro-; isopropyl ester	0	0	0	0	0
1201	54		2, 5-dichloro-; 2-chloroethyl ester	0	0	0	0	0
1202	54		isopropyl ester	0	0	0	0	0
1203	54		2, 5-diethoxy-; isopropyl ester	0	0	0	0	0
1204	54		2, 4-dimethoxy-; isopropyl ester	0	0	0	0	0
1205	54		2, 5-dimethoxy-; isopropyl ester	0	0	0	0	0
1206	54		N, 2-dimethyl-; isopropyl ester	0	0	0	0	0
1207	54		N, 3-dimethyl-; isopropyl ester	0	0	0	0	0
1208	54		N, 4-dimethyl-; isopropyl ester	0	0	0	0	0
1209	54		2, 3-dimethyl-; isopropyl ester	0	0	0	0	0
1210	54		2, 4-dimethyl-; isopropyl ester	0	0	0	0	0
1211	54		2, 5-dimethyl-; isopropyl ester	0	0	0	0	0
1212	54		2, 6-dimethyl-; isopropyl ester	0	0	0	0	0
1213	54		Carbanilic acid, 3, 5-dimethyl-; isopropyl ester	0	0	0	0	0
1214	57	Lo-22	dithio-; allyl ester	0	0	0	0	0
1215	57	Lo-8	methyl ester	0	0	0	100	100
1216	54		3-ethoxy-; isopropyl ester	0	0	0	0	0
1217	54		4-ethoxy-; isopropyl ester	0	0	0	0	0
1218	54		N-ethyl-; ethyl ester	0	0	0	0	0
1219	54		isopropyl ester	0	0	0	0	0
1220	57	FW-199	o-ethyl-, ethyl ester	0	0	0	0	0
1221	57	FW-176	4-methoxy-, ethyl ester	0	0	0	0	0
1222	54		4-methoxy-; isopropyl ester	0	0	0	0	0
1223	54		2-methoxy-5-methyl-; isopropyl ester	0	0	0	0	0
1224	54		2-methoxy-5-nitro-; isopropyl ester	0	0	0	0	0
1225	54		N-methyl-; isopropyl ester	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1226	54		3-methyl-; 2-chloroethyl ester	0	0	0	0	0
1227	54		isopropyl ester	0	0	0	0	0
1228	57	FW-213	4-methyl-, allyl ester	0	0	0	0	0
1229	54		N-3-methylbutyl-; isopropyl ester	0	0	0	0	0
1230	54		2-methyl-5-chloro-; isopropyl ester	0	0	0	0	0
1231	54		3-nitro-; isopropyl ester	0	0	0	0	0
1232	57	SM-363	thio-; t-butyl ester	0	0	0	0	0
1233	46	15	Carbanilide	0	0	0	0	0
1234	57	Lo-289	N-carbethoxythio-	0	0	0	0	0
1235	54		Carbazic acid, 2-(2, 5-dichlorophenyl)-; isopropyl ester	0	0	0	0	0
1236	54	63600-114 -864	N^2-2, 4-dinitrophenyl-; isopropyl ester	0	0	0	100	100
1237	54		2-methyl-2-phenyl-; isopropyl ester	0	0	0	0	0
1238	54		2-phenyl-; isopropyl ester	0	0	0	0	0
1239	54		3-phenyl-; 2-chloroethyl ester	0	0	0	0	0
1240	54	63600-114 -853	N^2-phenyl-; 2-chloroethyl ester	0	0	0	25	0
1241	25	800, 558	Carbazole	0	0	0	0	0
1242	25	508, 478	9-acetyl-	0	0	0	0	0
1243	25	503, 143	9-benzoyl-	0	0	0	0	0
1244	25	803, 319	3-bromo-	0	0	75	100	100
1245	57	Cr-294	N-2-chloroethyl-	0	0	0	0	0
1246	57	Cr-907	9-hydroxymethyl-	0	0	0	0	0
1247	25	502, 556	9-nitroso-	0	0	0	0	0
1248*	57	Cr-336	N-2-thiocyanoethyl-	0	100	100	100	100
1249	65		Carbinol, bis(p-chlorophenyl) ethynyl-	0	0	0	0	100
1250	47		Carbolic Acid	0	0	0	0	0
1251	80		Carbon Disulfide	0	0	0	0	0
1252	54		Carbonic acid; allyl 2-chloroethyl ester	0	0	0	0	0
1253*	54		allyl pentachlorophenyl ester	0	100	100	100	100
1254	54		allyl propyl ester	0	0	0	0	0
1255	54		bis(pentachlorophenyl) ester	0	0	0	0	100
1256	58	O-7463	2-chloro-4-methylphenyl ethyl ester	0	0	0	0	0
1257	58	O-7469	4-chloro-2-methylphenyl ethyl ester	0	0	0	0	0
1258	25	402, 617	4-chlorophenyl isopropyl ester	0	0	0	0	0
1259	58	O-7488	p-chlorophenyl pentyl ester	0	0	0	0	0
1260	25	106, 365	Carbonic acid, cyclic ester with ethylene glycol	0	0	0	0	0
1261	25	107, 551	cyclic ester with 1, 2-propanediol	0	0	0	0	0
1262	25	402, 611	2, 4-dichlorophenyl methyl ester	0	0	0	0	0
1263	54		dipentyl ester	0	0	0	0	0
1264	58	O-63-a	diphenyl ester	0	0	0	0	0
1265	25	105, 239	di-p-tolyl ester	0	0	0	0	0
1266	57	ER-164	ethyl B, B, B-trichlorolactonitrile ester	0	0	0	100	100
1267	46	135	ethylene (cyclic) ester	0	0	0	0	0
1268	25	402, 612	isopropyl pentachlorophenyl ester	0	0	0	100	100
1269	54		isopropyl m-phenylene diester	0	0	0	0	0
1270	54		isopropyl o-phenylene diester	0	0	0	0	0
1271	25	404, 042	mono(2, 4, 5-trichlorophenyl) ester, diester with diethylene glycol	0	0	0	0	0
1272	58	O-7494	pentyl p-tolyl ester	0	0	0	0	0
1273	46	136	propylene ester	0	0	0	0	0
1274	57	Lo-107	N-(4-chlorophenyl)-, ethyl ester	0	0	0	0	0
1275	57	Lo-12	thio-; S-carbethoxy ethyl ester	0	0	0	0	0
1276	25	100, 654	Carvacrol	0	0	0	0	0
1277	45		Carvomenthol	0	0	0	0	0
1278	87		Casin	0	0	0	0	0
1279	46	128	Castor oil, hydrogenated	0	0	0	0	0
1280	57	WC-96	Catechol; diester with benzoic acid	0	0	0	0	0
1281	25	104, 157	Cellobiose	0	0	0	0	0
1282	31	282	Cellulose, p-chlorobenzyl-	0	0	0	0	0
1283	63	O-4190	keryl benzyl-	0	0	0	0	0
1284	63	O-4640	Cetyl alcohol, with 20 moles of ethylene oxide, condensation product	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1285	63	O-4478-D	Cetyl alcohol, with ethylene oxide, mol. wt. 975, plus 22 wt. percent propylene oxide, condensation product	0	0	0	0	0
1286	57	H-121	Chalcone	0	0	0	0	0
1287	31	305	3,4-dichloro-	0	0	0	0	50
1288	25	103,497	3,4-dimethoxy-	0	0	0	0	100
1289	49		4,4'-dimethoxy-a-ethyl-	0	0	0	0	0
1290	25	103,494	2-methoxy-	0	0	0	50	100
1291	25	102,925	Chaulmoogric acid; ethyl ester	0	0	0	0	0
1292	57	Q-69	Chloralammonia	0	0	0	0	0
1293	57	Q-73	Chloral compd. with p-dichlorobenzene	0	0	0	0	0
1294	54		Chloral hydrate	0	0	0	0	0
1295	25	900,182-65	Chloramine B; sesquihydrate	0	0	0	0	0
1296	57	Q-234	Chloramine T	0	0	0	100	100
1297	33		Chlorax spray powder	0	0	0	0	0
1298	42		Chlordane (25% active)	0	0	0	0	100
1299	60		Chlordane, gamma isomer	0	0	0	0	0
1300*	46		(technical), 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane	75	100	100	100	100
1301	60		do.	0	0	0	100	100
1302	57	FW-128	Choline, 2-chloro-4-nitrophenoxide	0	0	0	0	0
1303	57	FW-129	x,x-dinitro-x-nonylphenoxide	0	0	0	100	100
1304	91		Chromotropic Acid	0	0	0	0	0
1305	25	000,437	Chrysene	0	0	0	0	0
1306	25	503,238	Cinchomeronic acid; 4-ethyl ester	0	0	0	0	0
1307	25	5K0,182	Cinchonine; salt with 1 f. wt. mandelic acid	0	0	0	0	0
1308	25	900,049	Cinchophen, 7-chloro-	0	0	0	0	0
1309	25	503,100	Cinnamaldehyde, p-nitro-	0	0	0	0	0
1310	25	105,347	Cinnamic acid; bornyl ester	0	0	0	100	100
1311	57	SM-14	cyclohexanon-2-yl ester	0	0	0	0	0
1312	57	SM-21	potassium salt	0	0	0	0	0
1313	58	O-7052-b	propargyl ester	0	0	0	0	0
1314	25	507,207-10	m-amino-; ethyl ester, hydrochloride	0	0	0	0	0
1315	58	O-5711-a	p-butoxy-; 2-ethyl-n-hexyl ester	0	0	0	0	0
1316	31	577	o-chloro-a-cyano-	0	0	0	0	0
1317	25	502,761	a-cyano-	0	0	0	0	0
1318	25	510,347	p-nitro-; ethyl ester	0	0	0	0	0
1319	87		Citric Acid	0	0	0	0	0
1320	25	100,517-68	Citric acid; nickel (II) salt	0	0	0	0	0
1321	21		Coahoma Chemical Company 3-5-0 liquid insecticide	0	0	0	0	0
1322	9	HH-5-133	Cobalt hexafluorostannate heptahydrate	0	0	0	0	0
1323*	11		n-Cocoamine ("Armeen C")	0	100	0	100	100
1324	57	TD-47	Cocoamine, di-N,N-dimethyl-; salt of endothal	0	0	0	100	100
1325	56	TD-191	Cocoamine, mono N,N-dimethyl-; salt of endothal	0	0	0	100	100
1326	25	800,034	s-Collidine	0	0	0	0	0
1327	25	102,406	B-Conidendrol	0	0	0	0	0
1328	15		Copper (II) chloride (purified crystals)	0	0	75	100	100
1329	62		Copper dihydrazinium sulfate	0	0	0	75	100
1330	9	W-11-153A	Copper fluorosilicate	0	0	0	0	0
1331	9	M-4-36	Copper fluorostannate	0	0	0	0	100
1332*	9	G-4-87	Copper monofluorophosphate	0	100	100	100	100
1333	15		Copper (II) nitrate (purified)	0	0	0	100	100
1334	92		Copper-8-Quinolinolate	0	50	100	100	100
1335	57	Cr-977	Copper salt of Cr 976	0	0	0	0	100
1336	50		Copper sulfate; monohydrated ("Blueberry Dust")	0	0	0	0	100
1337	50		Copper sulfate; tribasic	0	0	0	100	100
1338	50		Copper zinc chromate	0	0	0	100	100
1339	25	504,300-10	Cotarnine; hydrochloride	0	0	0	0	0
1340	25	102,390	Coumalic Acid, 4,6-dimethyl	0	0	0	0	0
1341	25	100,844	Coumarilic Acid	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1342	46	291	Coumarin	0	0	0	0	0
1343	25	103, 526	3-acetyl-4-hydroxy	0	0	0	0	0
1344	25	106, 636	3-benzoyl-	0	0	0	0	0
1345	49		3-benzyl-4-methyl-7-hydroxy-	0	0	0	0	0
1346	57	Cr-251	7-benzyloxy-4-methyl-	0	0	0	0	0
1347	46	278	6-chloro-	0	0	0	0	0
1348	46		7-(3-chlorallyloxy)-4-methyl-	0	0	0	0	0
1349	49		5, 7-dihydroxy-4, 6-dimethyl-	0	0	0	0	0
1350	49		5, 7-dihydroxy-4-methyl-	0	0	0	0	0
1351	49		hydroxy-	0	0	0	0	0
1352	15		Creosote NF IX	0	0	0	0	0
1353	25	402, 525	p-Cresol, 2, 6-Dibromo	0	0	0	0	0
1354	57	WC-12	Cresol, thio-, cyclohexylammonium salt	0	0	0	75	100
1355	31	34	o-Cresotic acid, methylenebis-	0	0	0	0	0
1356	25	508, 492	2, 4-Cresotic acid, 6-anilino-; ethyl ester	0	0	0	0	0
1357	8		Cresylic acid FF	0	0	0	0	0
1358	57	FW-58	Crotonamide, γ, γ, γ-trichloro-, N-isobutyl-,	0	0	0	0	0
1359	57	He-482	Crotonic acid; 2-chloroethyl ester	0	0	0	0	0
1360	57	SM-134	3, 4-dimethyl-7-hydroxyhydrindone ester	0	0	0	0	0
1361	57	ER-121	mandelonitrile ester	0	0	0	0	0
1362	57	SM-56	silver salt	0	0	0	0	100
1363	25	402, 027	3-benzoyl-4-(o-chlorophenyl)-2-(p-methoxyphenyl)-	0	0	0	0	0
1364	25	105, 701	3-ethoxy-; ethyl ester	0	0	0	0	0
1365	57	Lo-208	Crotonyl anhydride, allyl xanthogen	0	0	0	0	0
1366	58	O-4688	Cumene, trichloro	0	0	0	0	0
1367	80		Cupferron	0	0	0	0	0
1368	57	O-2266	Cyanamide, cyanomethyl(1, 1, 3, 3-tetramethylbutyl)-	0	0	0	0	0
1369	25	802, 317	diallyl-	0	0	0	0	0
1370	57	FW-64	1, 1, 3, 3-tetramethylhexyl-, trichloromethylthio-	0	0	0	0	0
1371	54		Cyanuric acid	0	0	0	0	0
1372	25	802, 316	Cyanuric chloride	0	0	0	0	0
1373	25	402, 392	1, 2-Cyclobutanedicarboxylic acid, 1, 2-di-bromo-; diethyl ester	0	0	0	0	0
1374	25	105, 252	2, 4-Cyclohexadiene-1-carboxylic acid, 2, 4-dihydroxy-6-phenyl-; ethyl ester	0	0	0	0	0
1375	87		Cyclohexane	0	0	0	0	0
1376	57	Q-95	1, 2-dichloro-4-(1, 2-dichloroethyl)-	0	0	0	0	0
1377	46	7	cis-trans	0	0	0	50	75
1378	57	Q-96	1-(α, β-dichloroethyl)-2, 3, 4-trichloro-	0	0	0	0	0
1379	46	17	1, 3-diphenoxy-2, 4, 5, 6-tetrachloro-	0	0	0	0	0
1380	25	000, 288	1, 2, 3, 4, 5, 6-hexachloro-; α isomer	0	0	0	0	0
1381	25	000, 289	β isomer	0	0	0	0	0
1382	42		γ isomer ("Lindane", 25% active)	0	0	0	0	0
1383	36		γ isomer ("Lindane", 99% γ BHC)	0	0	0	0	0
1384	42		γ isomer ("Lindane", 100%)	0	0	0	0	0
1385	42		γ isomer ("Lindane", 90% water-dispersible)	0	0	0	0	0
1386	54		Δ isomer	0	0	0	0	0
1387	25	000, 290	do.	0	0	0	0	0
1388*	57	Q-222	hexamethyl-	0	100	75	100	10
1389	57	V-92	1-hydroxy-1-carbethoxy	0	0	0	0	0
1390	25	001, 146	1, 2, 4, 5-tetramethyl-	0	0	0	0	100
1391	25	104, 116	Cyclohexaneacetic acid	0	0	0	0	0
1392	25	106, 630	α-butyl-	0	0	0	0	0
1393	25	100, 358-68	Cyclohexanebutyric acid; nickel (II) salt	0	0	0	0	0
1394	25	100, 375-68	Cyclohexanecaproic acid; nickel (II) salt	0	0	0	0	0
1395	57	ER-100	Cyclohexane carbonitrile, 1-hydroxy-, acetate	0	0	0	0	0
1396	57	ER-93	crotonate	0	0	0	0	0
1397	57	He-468	Cyclohexanecarboxylic acid, x-chloro-x-octyl-; 2-chloroethyl ester	0	0	0	0	0
1398	57	He-480	2-thiocyanoethyl ester	0	0	0	0	0
1399	25	100, 924	1-methyl-2-oxo-; ethyl ester	0	0	0	0	0
1400	57	SM-29	2-oxo-; β-chloroethyl ester	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter's code		.01	.04	.10	.40	1.0
1401	25	106,458	1,4-Cyclohexanedicarboxylic acid; 2,5-dioxo-; diethyl ester	0	0	75	100	100
1402	46	306	1,2-Cyclohexanedicarboxylic anhydride	0	0	0	0	0
1403	25	106,596	1,4-Cyclohexanediol	0	0	0	0	0
1404	25	102,784	1,3-Cyclohexanedione, 5-phenyl-	0	0	0	0	0
1405	25	800,139-10	Cyclohexanemethylamine, N-2-chloroethyl-N-ethyl-, hydrochloride	0	0	0	0	0
1406	63	O-3664	Cyclohexanesulfonamide	0	0	0	0	0
1407	63	O-3966	N,N-dicyanoethyl-	0	0	0	0	0
1408	57	V-127	Cyclohexanol, 1-ethynyl	0	0	0	0	0
1409	74		do.	0	0	0	0	0
1410	25	105,31[illegible]	1-ethynyl-2-methyl-	0	0	0	0	0
1411	25	105,975	cis-2-phenyl-	0	0	0	0	0
1412	49		2,2,6,6-tetramethylol-	0	0	0	0	0
1413	46	304	Cyclohexanone; oxime	0	0	0	0	0
1414	49		semicarbazone	0	0	0	0	0
1415	57	SM-168	2-acetyl-5-hydroxy-3-phenyl-5-styryl-	0	0	0	0	0
1416	46	333	2,6-bis(p-chlorobenzylidene)-	0	0	0	0	0
1417	46	336	2,6-bis-furfurylidene-	0	0	0	100	100
1418*	25	107,567	2,6-bis(p-methoxybenzylidene)-	0	100	100	100	100
1419*	46	334	do.	0	100	100	100	100
1420	46	335	2,6-bis(3,4-methylenedioxybenzylidene)-	0	0	0	0	0
1421	25	102,577	4-tert-butyl-	0	0	0	0	0
1422	57	SM-165	2-carbethoxy-5-hydroxy-3-phenyl-5-styryl-	0	0	0	0	0
1423	57	Q-114	2-chloro-4-chloroacetyl-	0	0	0	0	0
1424	46	327	2,6-dibenzylidene-	0	0	0	100	100
1425	57	SM-300	dipiperonal-	0	0	100	100	100
1426	57	SM-186	divanillylidene-	0	0	0	0	100
1427	57	Q-61	5-(1'-hydroxy-2',2',2'-trichloroethyl)-2,3,3-trimethyl-	0	0	0	0	0
1428	49		2,2,6,6-tetramethylol-	0	0	0	0	0
1429	25	104,245	Cyclohexene; 4,5-dibenzoyl-	0	0	0	0	0
1430	57	Q-52	4-Cyclohexene, 1,2-bis(chloromethyl)-3,6-endomethylene-3,4,5,6,7,7-hexahydro-	0	0	0	100	100
1431	38	89	4-Cyclohexene-1,2-dicarboximide-N-trichloromethylmercapto	0	0	0	100	100
1432	25	106,634	4-Cyclohexene-1,2-dicarboxylic anhydride, 3-phenyl-	0	0	0	0	0
1433	57	Q-66	5-Cyclohexene-1,3-dione, 2,2,4,4,6-pentachloro	0	0	0	0	0
1434	58	O-2818-e	Cyclohexenone, piperonyl-	0	0	0	0	0
1435	57	SM-86B	2-Cyclohexen-1-one, 4-carbethoxy-3-methyl-5-propenyl-	0	0	0	0	0
1436	57	SM-99	4-carbethoxy-3-methyl-5-propyl-	0	0	0	0	0
1437	57	SM-166	6-carbethoxy-5-phenyl-3-styryl-	0	0	0	0	0
1438	57	SM-155	4,6-dicarbethoxy-3-methyl-5-phenyl-	0	0	0	0	0
1439	57	SM-149	3-methyl-5-phenyl-	0	0	0	0	0
1440	57	SM-101	3-methyl-5-propyl-	0	0	0	0	0
1441	57	Lo-44	3,5,5-trimethyl-; semicarbazone	0	0	0	0	0
1442	25	800,175-A1	Cyclohexylamine; complex with ½ f. wt. fluosilicic acid	0	0	0	0	0
1443	57	V-63	N,N-di(cyclohexylaminoethyl)	0	0	0	0	100
1444	57	Cr-725	N-2-methylallyl-	0	0	0	0	0
1445*	57	Cr-844	N-2-[2-(2-[o-1-methylheptylphenoxy]ethoxy)ethoxy]ethyl-	0	100	100	100	100
1446	58	O-5775	N-phenyl-	0	0	0	0	0
1447	70		silicofluoride	0	0	0	0	0
1448	57	SM-181	Cyclopentadiene; (product with methacrolein dimer)	0	0	0	0	0
1449	44	51-P-162	hexachloro-	0	0	0	0	0
1450	54		do.	0	0	0	100	100
1451	25	001,290	1,2,3,4,5-pentachloro-5-(trichloromethyl)-	0	0	100	100	100
1452	57	Q-134	2,4-Cyclopentadiene, 2,3,4,5-tetrahydro-, 1,1-di-n-butoxy	0	0	0	100	100
1453	57	Q-92	Cyclopentadienone, 2,3,4,5-tetrachloro-; dimethyl acetal	0	0	0	100	100
1454	57	SM-18	1,3-Cyclopentanedicarboxylic acid, 4,5-dioxo-; mixed ester (diethyl and ethyl methyl esters)	0	0	0	0	0
1455	25	105,348	1,2,4-Cyclopentanetrione, 3-benzylidene-5-phenethyl-	0	0	0	0	0
1456	25	507,185	Cyclopentanone; oxime	0	0	0	0	0
1457	57	Lo-681	Cyclopentene-3,5-dione, 4-isovaleryl-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1458	63	O-2142-F	p-Cymenesulfonic acid; sodium salt	0	0	0	0	100
1459	46	277	Cysteine; hydrochloride	0	0	0	0	0
1460	8		D-40; (Detergent)	0	0	0	0	0
1461	65		Decachlorooctahydro-1, 3, 4-metheno-2H-cyclobuta(cd) pentalen-2-one (Kepone tech.)	0	0	0	100	100
1462	25	000, 071	Decane, 1, 10-dibromo-	0	0	0	100	100
1463	57	Cr-41	Decanedioic acid, 2, 8-dibromo-	0	0	0	0	0
1464	57	Cr-84	2, 8-dithiocyano-; iron (III) salt	0	0	0	0	0
1465	57	Cr-85	zinc salt	0	0	0	0	0
1466	11		n-Decanenitrile ("Arneel 10")	0	0	0	0	0
1467	57	ER-103	2-hydroxy-, benzoate	0	0	100	100	100
1468	57	Cr-580	Decanoic acid; 2-(2-chloroethoxy) ethyl ester	0	0	0	0	0
1469	57	He-476	2-chloroethyl ester	0	0	0	0	0
1470	25	100, 799-68	nickel (II) salt	0	0	0	0	0
1471	57	Cr-597	2-[2-(2-thiocyanoethoxy) ethoxy] ethyl ester	0	0	0	0	0
1472	57	Cr-584	2-(2-thiocyanoethoxy) ethyl ester	0	0	0	0	0
1473	57	Cr-572	2-thiocyanoethyl ester	0	0	0	0	0
1474	57	He-484	do.	0	0	0	0	0
1475	57	Cr-582	crude, from the oxidation of paraffins; 2-(2-chloroethoxy) ethyl ester (German acid)	0	0	0	0	0
1476	57	Cr-588	2-(2-thiocyanoethoxy) ethyl ester (German acid)	0	0	0	0	0
1477	57	Cr-577	2-thiocyanoethyl ester (German acid - distilled fraction)	0	0	0	0	0
1478	57	Cr-574	2-thiocyanoethyl ester (German acid)	0	0	0	0	0
1479	57	V-101	a -hydroxy-, ethyl ester	0	0	0	0	0
1480	57	ER-1	2-hydroxy-; sodium salt	0	0	0	0	0
1481	57	Cr-614	Decanoyl chloride	0	0	0	0	0
1482	25	000, 098	Decyl sulfide	0	0	0	0	0
1483	57	Q-312	5-Decyne, 4, 7-dimethylamino-	0	0	0	0	0
1484	46	102	Dehydroacetic acid	0	0	0	0	0
1485	25	Y00, 058	Desintan	0	0	0	0	0
1486			Dextrose	0	0	0	0	0
1487	57	Lo-372	Diamidophosphoric acid, N, N, N', N' -tetramethyl-; butyl ester	0	0	0	0	0
1488	59	CP-1049-(2)	diethoxythiophosphoryl ester	0	0	0	0	0
1489	59	CP-3995	sym-Diamidopyrophosphoric acid, N, N, N', N'-tetramethyl-; ethyl ester	0	0	0	0	0
1490	59	CP-3897	unsym-Diamidopyrophosphoric acid, N, N, N', N'-tetramethyl-; diethyl ester	0	0	0	0	0
1491	26	EC1141	Diamylamine	0	0	0	0	0
1492	68		o-Dianisidine	0	0	0	0	0
1493	57	V-259	9, 12-Diaza-6, 14-eicosadiene- 11-one, 2, 2, 4, 4, 17, 17, 19, 19-octamethyl-	0	0	0	0	75
1494	4		Diazinon	0	0	0	0	0
1495	63	O-2232-D	Dibenzenesulfonamide, N-isopropyl-	0	0	0	0	0
1496	56	NP-1076	Dibenzo-p-dioxin, octachloro-	0	0	0	0	0
1497	25	100, 270	Dibenzofuran	0	0	0	0	0
1498	57	Cr-348	2-nitro-	0	0	0	0	0
1499	57	Cr-220	3-nitro-	0	0	0	0	0
1500	25	000, 654	Dibenzothiophene	0	0	0	0	0
1501	57	Cr-168	2, 3, 5, 6-Dibenzo-1, 4-thioxane	0	0	0	0	100
1502	68		Dibenzylamine	0	0	0	0	0
1503	25	800, 156-10	N-2-chloroethyl-; hydrochloride	0	0	0	0	0
1504	57	FW-148	2, 2'-dihydroxy-3, 3'-dimethyl-N, 5, 5'-tris(1, 1, 3, 3-tetramethylbutyl)-	0	0	0	0	0
1505	57	Cr-471	N-hexyl-	0	0	0	100	100
1506	57	Cr-479	hydrochloride	0	0	0	100	100
1507	57	Cr-319	N-p-tolyl-; hydrochloride	0	0	0	0	0
1508	93		Dibenzyl disulfide	0	0	0	100	100
1509	25	800, 132-A1	Dibutylamine; complex with ½ f. wt. fluosilicic acid	0	0	0	0	0
1510	9		fluorophosphate	0	0	0	0	0
1511	70		silicofluoride	0	0	0	0	0
1512	56	NP-1412	N-nitroso	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* of five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1513	25	904,149	Dichloroamine B	0	0	0	0	0
1514	25	800,065	Dicyclohexylamine	0	0	0	0	0
1515	57	V-280	nickel (II) chloride complex	0	0	0	0	0
1516	57	Q-13	Dicyclopentadiene; addition of chlorine to, in HAc	0	0	0	0	50
1517	57	Q-11	Dicyclopentadiene trichloride; chlorination of	0	0	0	100	100
1518	57	Q-1	Dicyclopentenyl trichloride; chlorination of	0	0	0	100	100
1519	46	90	Dieldrin	0	0	0	100	100
1520	57	SM-559	Diethylamine, 2,2'-bis(nonylamino)-	0	0	0	100	100
1521	54		Diethylene glycol; bis(allyl carbonate)	0	0	0	0	0
1522	54		bis(butoxyethyl carbonate)	0	0	0	0	0
1523	49		bis(2-n-butoxyethyl carbonate)	0	0	0	0	0
1524	49		bis(n-butyl carbonate)	0	0	0	0	0
1525	54		bis(2,3-dichloropropyl carbonate)	0	0	0	0	0
1526	54		bis(phenyl carbonate)	0	0	0	0	0
1527	63	C-2826-D	dibenzenesulfonate	0	0	0	0	0
1528	54		dicarbamate	0	0	0	0	0
1529	58	O-4256	isobornyl butyl ether	0	0	0	0	0
1530	63	O-3433	Diglycolic acid	0	0	0	0	0
1531	25	107,783	bis(1-methlheptyl) ester	0	0	0	0	0
1532	57	SM-91	diallyl ester	0	0	0	0	0
1533	25	107,779	diester with butyl lactate	0	0	0	0	0
1534	25	107,775	monobutyl ester, ester with butyl lactate	0	0	0	0	0
1535	57	V-50	Dihexylamine, N-(2-cyanoethyl)-2,2'-diethyl-	0	0	0	0	0
1536	9		2,2'-diethyl-; hexafluorophosphate	0	0	0	100	100
1537	68		Di-iso-amylamine	0	0	0	0	0
1538	57	WC-26	Diisobutylamine, N-cyanoethyl	0	0	0	0	0
1539	57	Lo-46	Dimethylamine; picrate	0	0	0	0	0
1540	68		N-nitroso-	0	0	0	0	0
1541	57	WC-30	m-Dioxane, 2-camphenyl-5-nitro-5-methyl-	0	0	0	0	0
1542	57	WC-9	2-(4'-chlorophenyl)-5-methyl-5-nitro	0	0	0	0	0
1543	57	ER-27	2-(4,4'-dichlorobenzhydryl)	0	0	0	0	0
1544	57	ER-28	2-(4,4'-dichlorobenzohydryl)-4-n-butyl-5-ethyl	0	0	0	0	0
1545	68		p-Dioxane	0	0	0	0	0
1546	57	Cr-252	2,3-bis(p-chlorophenoxy)-	0	0	0	0	0
1547	57	Cr-361	2,3-bis(m-nitrophenoxy)-	0	0	0	0	0
1548	57	Cr-74	1,3-Dioxa-6-thiacyclooctane, 2-isopropyl-	0	0	0	0	0
1549	57	Cr-72	2-methyl-	0	0	0	0	0
1550	57	Cr-73	2-n-propyl-	0	0	0	0	0
1551	57	ER-23	Dioxolane, 2-(4,4'-dichlorobenzhydryl)	0	0	0	0	75
1552	57	ER-26	2-(4,4'-dichlorobenzhydryl)-4-allyloxy	0	0	0	50	100
1553	57	ER-60	1,3-Dioxolane, 2-(p,p'-dichlorobenzhydryl)-, 5,5-bis(4-chlorophenyl)-	0	0	0	0	0
1554	57	ER-34	2,-(p,p'-dichlorobenzhydryl)-X,5-dimethyl-	0	0	75	100	100
1555	57	H-120	1,3-Dioxolane, 2-phenyl-	0	0	0	0	0
1556	87		Diphenylamine	0	0	0	0	75
1557	25	YG0,072	arylalkyl- and octyl-	0	0	0	0	0
1558	57	ER-52	N-(2,2-bis-p-chlorophenylvinyl)-	0	0	0	0	0
1559	49		4,4'-diamino-	0	0	0	0	0
1560	25	803,834	4,4'-diphenyl-	0	0	0	0	0
1561*	46	224	2,2',4,4',6,6'-hexanitro-	0	100	100	100	100
1562	38	F-2574	octylated	0	0	0	0	0
1563	68		"s-Diphenylcarbazone"	0	0	0	0	0
1564	68		1,5-Diphenylcarbohydrazide	0	0	0	0	0
1565	68		Diphenylthiocarbazone	0	0	0	0	0
1566	31	1126	Dipropional	0	0	0	0	0
1567	57	SM-535	Dipropylamine, 7,7'-bis(cyclohexylamino)	0	0	0	0	0
1568	57	SM-543	7,7'-bis(dimethylaminoethylamino)	0	0	0	0	0
1569*	57	SM-533	Dipropylamine, bis(-dinonylamino)	0	100	100	100	100
1570	57	SM-571	7,7'-bis(2-ethylhexylamino)	0	0	100	100	100
1571	57	SM-583	3,3'-bis(laurylamino)-	0	0	0	100	100
1572	42		o-Diquat	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical: Identification number: Laboratory	Chemical: Identification number: Submitter: Source No.	Chemical: Identification number: Submitter: Submitter's code	Chemical: Technical name	Percent mortality of Gymnodinium breve of five concentrations (p.p.m.): .01	.04	.10	.40	1.0
1573	57	Cr-1099	Disulfide, bis(anilinomethylsulfonyl); from $C_6H_5NHCH_2OSONa + S_2Cl_2$	0	0	0	0	0
1574	57	Cr-1130	bis(2-benzyloxy-5-cyclohexylphenyl)	0	0	0	0	0
1575	57	Cr-359	bis[4-tert-butyl-2-(o, p-dinitrophenoxy)phenyl]	0	0	0	0	0
1576	57	Cr-48	bis(2-carboxyphenyl)	0	0	0	0	0
1577	57	Cr-52	cadmium salt	0	0	0	0	0
1578	57	Cr-173	bis(4-chloro-2-nitrophenyl)	0	0	0	0	0
1579	59	CP-3438-(8)	bis(3, 5-dichloro-2-hydroxyphenyl)	0	0	100	100	100
1580	57	SM-310	bis-3, 4-dichlorophenyl	0	0	25	100	100
1581*	38	F-419	bis(diethylthiocarbamyl)	100	100	100	100	100
1582*	72	MPD 2794	bis(dimethylthiocarbamyl)	100	100	100	100	100
1583*	38	F-75	do.	100	100	100	100	100
1584*	56	S-6291	do.	100	100	100	100	100
1585	32	VIII	bis(dimethylthiocarbamyl); mercury complex	0	0	75	100	100
1586	57	Cr-196	bis(2, 4-dinitrophenyl)	0	0	0	0	0
1587	57	Cr-363	bis(4-hydroxy-3-phenylphenyl)	0	0	0	0	100
1588	57	Cr-206	bis(o-nitrophenyl)	0	0	0	0	0
1589	57	Cr-171	bis(p-nitrophenyl)	0	0	0	0	0
1590	56	NP-1288	bis(pentachlorophenyl)	0	0	0	0	0
1591	57	Lo-7	bis(thiocarbethoxy)	0	0	0	0	0
1592	58	O-2911-C	diphenyl	0	0	50	100	100
1593*	38	F-1149	tetraethylthiuram-	100	100	100	100	100
1594*	38	F-75	tetramethylthiuram-	100	100	100	100	100
1595	57	Cr-1837	Disulfoxide, bis(3, 4-dichlorophenyl)- or Benzene sulfonic acid, 3, 4-dichloro-; 3, 4-dichlorobenzenethiol ester	0	0	0	0	0
1596	38	F-1340-W	Dithane disulfide; oxidized product of,	0	0	0	100	100
1597	68		Dithiooxamide	0	0	0	0	0
1598	57	He-483	Docosanoic acid; 2-chloroethyl ester	0	0	0	0	0
1599	57	Cr-589	2-(2-chloroethoxy) ethyl ester	0	0	0	0	0
1600	25	105, 936-65	sodium salt	0	0	0	0	0
1601	57	V-162	Dodecanamidine N, N-dimethyl-; hydrochloride	0	0	0	100	100
1602	63	O-4796	t-Dodecanethiol; with 8 moles of ethylene oxide condensation product	0	0	0	0	0
1603	63	O-4862	with 35 moles of ethylene oxide, condensation product	0	0	0	0	0
1604	57	He-490	Dodecanoic acid, x, x-dihydroxy-; 2-thiocyanoethyl ester	0	0	0	0	0
1605	57	Cr-578	thiocyanoethyl ester (German acid)	0	0	0	0	0
1606	57	V-297	Dodecylamine, x-methyl-N-benzyl-N-(1, 1, 3, 3-tetramethyl butyl)-; (from propylene tetramer)	0	0	0	0	0
1607*	11		n-Dodecylamine ("Armeen 12")	0	100	100	100	100
1608*	57	O-1968	t-Dodecylamine, monocyanomethyl-	0	100	100	100	100
1609	57	SM-516	2-Dodecyne, 1-dimethylamino-4-hydroxy-	0	0	0	0	0
1610	57	Q-282	7-Dodecyne, 2, 2, 4-trimethyl-6, 9-dimethylamino-11-phenyl	0	25	75	100	100
1611	)		Dreinate X	0	0	0	0	0
1612	70		Dri-Die-67	0	0	0	0	0
1613	72		Du Pont Naphthanil Diazo Blue B	0	0	0	0	0
1614	25	001, 134	Durene, a^1, a^5-dichloro-	0	0	0	0	0
1615	36		"E" Cake	0	0	0	0	0
1616	25	400, 995	Enanthic acid; ester with 2-chloroallyl lactate	0	0	0	0	0
1617	56	TD-66A	3, 6-Endoxohexahydrophthalic acid; di oleyl amine salt	0	0	0	0	0
1618	26		disodium salt	0	0	0	0	0
1619	44	269	Endrin (18½% emul. conc.)	0	0	0	0	0
1620	58	O-3546	Epibromohydrin	0	0	0	0	0
1621	54		Erythrol	0	0	0	0	0
1622	25	103, 714	Esculetin, 4-methyl-	0	0	0	0	0
1623	57	Cr-134	Ethane, 1-amino-2-bisulfate-	0	0	0	0	0
1624	57	Cr-393	1-benzyl-2-(2, 4-dinitrophenoxy)-	0	0	0	0	0
1625	57	ER-113	1-benzyloxy-2-(2, 2-bis-p-chlorophenyl)vinyloxy-	0	0	0	0	0
1626	57	Cr-991	1-benzyloxy-2-(2-chloroethoxy)-	0	0	0	0	0
1627	57	Cr-1008	1-(2-benzyloxyethoxy)-2-butoxy-	0	0	0	0	0
1628	57	Cr-403	1-(2-biphenylyloxy)-2-(2, 4-dinitrophenoxy)-	0	0	0	0	0
1629*	57	Cr-398	1-(2-biphenylyloxy)-2-phenoxy-	0	100	100	100	100
1630	57	Q-196	1, 1-bis(p-anilino)-2, 2-dichloro-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter's code		.01	.04	.10	.40	1.0
1631	57	Q-43	1,1-bis(p-anisyl)-2,2-dichloro-	0	0	0	0	50
1632	57	Q-55	1,1-bis(x-anisyl)-2,2,2-trichloro-	0	0	0	25	100
1633	57	Cr-392	1,2-bis(benzyloxy)-	0	0	0	0	0
1634	57	Q-186	1,1-bis(4-biphenylyl)-2,2-dichloro-	0	0	0	0	0
1635	57	Cr-877	1,2-bis(2-biphenylyloxy)-	0	0	0	0	0
1636	46	48	do.	0	0	0	0	0
1637	57	ER-40	1,2-bis(2,2-bis-p-chlorophenylvinyloxy)-	0	0	0	0	0
1638	32	VII	1,1-bis(p-bromophenyl)-2,2,2-trichloro-	0	0	0	75	75
1639	57	Q-187	1,1-bis(p-tert-butylphenyl)-2,2-dichloro-	0	0	0	0	0
1640	56	NP-1203	1,1-bis(m-carboxy-p-hydroxyphenyl)-2,2,2-trichloro-	0	0	0	0	0
1641	32	IV	1,1-bis(4-chloro-x,x-dinitrophenyl)-2,2,2-trichloro-	0	0	0	100	100
1642	57	Q-9	1,1-bis[p-(2-[2-chloroethoxy]ethoxyphenyl)]-2,2,2-trichloro-	0	0	0	0	0
1643	57	Q-10	1,1-bis[p-(2-chloroethoxy)phenyl]-2,2,2-trichloro-	0	0	0	0	0
1644	57	Q-151	1,1-bis[p-(a-chloroethyl)phenyl]-2,2-dichloro-	0	0	0	0	0
1645	57	Q-145	1,1-bis[p-(1-chloroethyl)phenyl]-2,2,2-trichloro-	0	0	0	0	0
1646	57	Q-188	1,1-bis(3'-chloro-4'-hydroxyphenyl)-2,2-dichloro-	0	0	0	0	0
1647	57	Cr-947	1,2-bis(p-chlorophenoxy)-	0	0	0	0	0
1648	57	Cr-831	1,2-bis[2-(p-chlorophenoxy)ethoxy]-	0	0	0	0	0
1649	57	FW-89	1,1-bis(x-chlorophenyl)-	0	0	75	100	100
1650	57	Q-46	1,1-bis(p-chlorophenyl)-2-chloro-	0	50	100	100	100
1651	57	Q-54A	1,1-bis(chloro or methoxyphenyl)-2,2-dichloro-	0	0	0	100	100
1652	32	I	1,1-bis(p-chlorophenyl)-2,2-dichloro-	0	0	0	0	100
1653	32	II	1,1-bis(p-chlorophenyl)-1,2,2,2-tetrachloro-	0	0	0	0	0
1654	57	ER-116	1-(2,2-bis-p-chlorophenyl)vinyloxy-2-ethoxy-	0	0	0	0	0
1655	57	ER-124	1-(2,2-bis-p-chlorophenyl)vinyloxy-2-vinyloxy-	0	0	0	0	100
1656	57	ER-77	1-[2-(2,2-bis-p-chlorophenylvinyloxy)]ethoxy-2-butoxy-	0	0	0	0	100
1657	57	Q-179	1,1-bis(m-chloro-o-tolyl)-2,2-dichloro-	0	0	0	0	0
1658	57	Cr-934	1,2-bis(o-cyclohexylphenoxy)-	0	0	0	0	0
1659	57	Cr-958	1,2-bis(2,4-dibromophenoxy)-	0	0	0	0	0
1660	57	Q-244	bis(3,3'-dichloro-4,4'-dihydroxy-diphenyl)dichloro-; monodioxane complex	0	0	0	0	0
1661	57	Q-130	1,1-bis[p-(1,1-dichloroethyl)phenyl]-2,2,2-trichloro-	0	0	0	0	0
1662	57	FW-87	1,1-bis(p,p'-dimethoxyphenyl)	0	0	0	0	0
1663	57	Q-193	1,1-bis(3,4-dimethylphenyl)-2,2-dichloro-	0	0	0	0	75
1664	56	NP-1386	1,1-bis(3,4-dimethylphenyl)-2,2,2-trichloro-	0	0	0	0	0
1665	57	SM-380	bis(t-dodecylmercaptomethyl)-	0	0	0	0	0
1666	57	Q-137	1,1-bis(p-ethylphenyl)-2,2-dichloro-	0	0	0	100	100
1667	57	Q-163	1,1-bis(p-fluorophenyl)-2,2-dichloro-	0	0	0	100	100
1668	46	55	1,1-bis(p-fluorophenyl)-2,2,2-trichloro-	0	0	0	100	100
1669	46	4	1,1-bis(2-hydroxy-5-chlorophenyl)-2,2,2-trichloro-	0	0	0	100	100
1670*	56	NP-770	2,2-bis(2'-hydroxy-5'-chlorophenyl)-1,1,1-trichloro	0	100	100	100	100
1671*	59	CP-536	1,2-bis(2-hydroxy-4,5-dichlorophenyl)-	100	100	100	100	100
1672	56	NP-716	2,2-bis(2'-hydroxy-5'-nitrophenyl)-1,1,1-trichloro-; crude	0	25	100	100	100
1673	57	Q-172	1,1-bis(p-hydroxyphenyl)-2,2-dichloro-	0	0	0	0	0
1674	57	Q-123	1,1-bis(p-hydroxyphenyl)-2,2,2-trichloro-	0	0	0	75	100
1675	19		1,2-bis(3-hydroxy-2,4,5,6-tetrachloro(?)phenyl)-	0	0	0	50	100
1676*	19		1,2-bis(2-hydroxy-4,5,6-trichlorophenyl)- ("Sindar G-11")	50	100	100	100	100
1677	57	Q-149	1,1-bis(p-isopropylphenyl)-2,2-dichloro-	0	0	0	0	0
1678	44	326	1,2-bis(p-methoxyphenoxy)-	0	0	0	0	0
1679	25	400,216	1,1-bis(p-methoxyphenyl)-2,2,2-trichloro-	0	0	0	100	100
1680	57	Cr-512	1,2-bis(o-nitrophenoxy)-	0	0	0	0	0
1681	57	Cr-943	1,2-bis(p-nitrophenoxy)-	0	0	0	0	0
1682	57	Q-191	1,1-bis(p-nitrophenyl)-2,2-dichloro-	0	0	0	0	0
1683	25	902,057	2,2-bis(p-nitrophenyl)-2,2,2-trichloro-	0	0	0	0	0
1684	57	SM-489	1,2-bis(3-nonyl-1-imidazolidinyl)	0	0	100	100	100
1685	57	Q-174	1,1-bis(p-octylphenyl)-2,2-dichloro-	0	0	0	0	0
1686	57	Q-169	1,1-bis(p-sec-pentylphenyl)-2,2-dichloro-	0	0	0	0	0
1687	57	Cr-846	1,2-bis(2-phenoxyethoxy)-	0	0	0	0	0
1688	57	Q-173	1,1-bis(p-phenoxyphenyl)-2,2-dichloro-	0	0	0	0	0
1689	57	Cr-1282	1,2-bis[2-(o-tolyloxy)ethoxy]-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter							
	Source No.	Submitter's code		.01	.04	.10	.40	1.0
1690	57	Cr-926	1-(2-bromo-4-tert-butyl-6-nitrophenoxy)-2-(2-chloroethoxy)-	0	0	0	0	0
1691	57	Cr-1144	1-(2-bromo-4-tert-butylphenoxy)-2-(2-chloro ethoxy)-	0	0	0	0	100
1692	57	Cr-1854	1-(p-bromo-o-1-methylheptylphenoxy)-2-(2-chloro ethoxy)-	0	0	0	0	0
1693	57	ER-31	1-butoxy-2-(2, 2-bis-p-chlorophenyl) vinyloxy	0	0	0	0	100
1694	57	Cr-1032	1-(2-butoxyethoxy)-2-(o-chlorophenoxy)-	0	0	0	0	0
1695	57	Cr-1031	1-(2-butoxyethoxy)-2-p-(1, 1, 3, 3-tetramethylbutyl) phenoxy-	0	0	0	0	0
1696	57	Cr-646	1-[2-(p-tert-butyl-o-nitrophenoxy) ethoxy]-2-(2-chloroethoxy)-	0	0	0	0	0
1697	57	Cr-932	1-[p-(chloro-tert-butyl)-o-nitrophenoxy]-2-(2-chloroethoxy)-	0	0	0	25	0
1698	57	Cr-552	1-(2-chloro-4-chloromethylphenoxy)-2-(2-chloro ethoxy)-	0	0	0	0	0
1699	25	402, 246	1-(2-chloroethoxy)-2-(o-chlorophenoxy)-	0	0	0	0	0
1700	57	Cr-823	1-(2-chloroethoxy)-2-[2-(p-chlorophenoxy) ethoxy]-	0	0	0	0	0
1701	57	Cr-964	1-(2-chloroethoxy)-2-(2, 4-dibromophenoxy)-	0	0	0	0	100
1702	57	Cr-1591	1-(2-chloroethoxy)-2-(x, x-dichloro-x-1-methylheptyl phenoxy)-	0	0	0	0	0
1703	57	Cr-537	1-(2-chloroethoxy)-2-[2, 4-di(chloromethyl) phenoxy]-	0	0	0	0	0
1704	57	Q-20	1-p-[B-(B-chloroethoxy) ethoxyphenyl]-1-p-[B-(B-thiocyanoethoxy) ethoxyphenyl]-2, 2, 2-trichloro-	0	0	0	0	0
1705	57	Cr-938	1-(2-chloroethoxy)-2-[o-(2-methylallyl)-p-nitro phenoxy]-	0	0	0	0	0
1706	57	Cr-671	1-(2-chloroethoxy)-2-[o-(2-methylallyl) phenoxy]-	0	0	0	0	0
1707	57	Cr-621	1-(2-chloroethoxy)-2-[2-(p-[1-methylhepty]]phenoxy) ethoxy]-	0	0	0	0	100
1708	57	Cr-619	1-(2-chloroethoxy)-2-(o-nitrophenoxy)-	0	0	0	0	0
1709	57	Cr-627	1-(2-chloroethoxy)-2-(2-p-nitrophenoxyethoxy)-	0	0	0	0	0
1710	57	Cr-663	1-(2-chloroethoxy)-2-[o-nitro-p-(1, 1, 3, 3-tetramethyl butyl) phenoxy]-	0	0	0	0	0
1711	57	Cr-756	1-(2-chloroethoxy)-2-(p-tert-pentyl-o-nitrophenoxy)-	0	0	0	0	0
1712	57	Cr-620	1-(2-chloroethoxy)-2-(2-phenoxyethoxy)-	0	0	0	0	0
1713	25	401, 097	1-(2-chloroethoxy)-2-(2, 3, 4, 6-tetrachlorophenoxy)-	0	0	0	0	100
1714	57	Cr-1281	1-(2-chloroethoxy)-2-[2-o-toloxyethoxy]-	0	0	0	0	0
1715	57	Cr-1853	1-(2-chloroethoxy)-2-(3, 5-xylyloxy)-	0	0	0	0	0
1716	57	Cr-376	1-(4-chlorophenoxy)-2-(2, 4-dinitrophenoxy)-	0	0	0	0	0
1717	57	Q-185	1-(p-chlorophenyl)-1-(o-chloro-p-tolyl)-2, 2-dichloro -	0	0	0	100	100
1718	57	Q-194	1-(4-chlorophenyl)-2, 2-dichloro-1-(3, 4-dimethyl phenyl)-	0	0	0	100	100
1719	57	Q-184	1-(p-chlorophenyl)-2, 2-dichloro-1-(p-ethylphenyl)-	0	0	0	75	100
1720	57	Q-12	1-(p-chlorophenyl)-2, 2-dichloro-1-(p-methoxyphenyl)-	0	0	0	50	75
1721	57	Q-183	1-(p-chlorophenyl)-2, 2-dichloro-1-(p-tolyl)-	0	0	0	100	100
1722	57	Cr-805	1-(2-cyclohexyl-4-nitrophenoxy)-2-phenoxy-	0	0	0	100	100
1723	57	Cr-473	1-(4-cyclohexyl-2-nitrophenoxy)-2-phenoxy-	0	0	0	0	0
1724	57	Cr-489	1-(4-cyclohexylphenoxy)-2-(o-nitrophenoxy)-	0	0	0	0	0
1725	57	Cr-380	1-(4-cyclohexylphenoxy)-2-phenoxy-	0	0	0	0	0
1726	57	O-144	a, B-dibenzoyl-	0	0	0	0	0
1727	57	Cr-707	1-(2, 4-dibromophenoxy)-2-(p-chlorophenoxy)-	0	50	100	100	100
1728	57	Cr-692	1-(2, 4-dibromophenoxy)-2-(o-nitrophenoxy)-	0	0	0	0	0
1729	57	Cr-700	1-(2, 4-dibromophenoxy)-2-phenoxy-	0	0	0	100	100
1730	57	FW-250	1, 1-dichloro-2, 2-bis(p-chlorophenyl)-, 2-(p-chlorophenoxy)-,	0	0	75	100	100
1731	57	FW-244	1, 1-dichloro-, 2, 2-bis(p-chlorophenyl)-, 2-methoxy-,	0	75	100	100	100
1732	46	94	dichloro-diphenyl-trichloro- ("DDT", technical)	0	0	0	100	100
1733	25	001, 280	1, 2-dichloro-1, 1, 2, 2-tetraphenyl-	0	0	0	0	0
1734	57	Q-165	1, 1-dichloro-2-(p-tolyl)-2-(o-tolyl)-	0	0	0	100	100
1735	57	FW-99	1, 1-dicumyl-2, 2, 2-trichloro-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter Submitter's code		.01	.04	.10	.40	1.0
1736	57	Cr-686	1-(2, 4-dinitrophenoxy)-2-[o-(1-methylheptyl) phenoxy]-	0	0	0	0	0
1737	57	Cr-382	1-(2, 4-dinitrophenoxy)-2-(2-naphthyloxy)-	0	0	0	0	0
1738	57	Cr-381	1-(2, 4-dinitrophenoxy)-2-(2-nitrophenoxy)-	0	0	0	0	0
1739	57	Cr-373	1-(2, 4-dinitrophenoxy)-2-(4-nitrophenoxy)-	0	0	0	0	0
1740	57	Cr-402	1-(2, 4-dinitrophenoxy)-2-(o-tolyloxy)-	0	0	0	0	0
1741	54		hexachloro-	0	0	0	0	0
1742	57	Cr-480	1-(p-hexylphenoxy)-2-(p-nitrophenoxy)-	0	0	0	0	0
1743	57	Cr-454	1-(o-hexylphenoxy)-2-phenoxy-	0	0	0	75	75
1744	57	Cr-405	1-(o-methoxyphenoxy)-2-phenoxy-	0	0	0	0	0
1745	57	Cr-409	1-[o-(2-methylallyl) phenoxy]-2-phenoxy-	0	0	0	100	100
1746	57	Cr-400	1-phenoxy-2-(o-tolyloxy)-	0	0	0	0	0
1747	25	001, 279	1, 1, 1-triphenyl-	0	0	0	100	100
1748	57	Lo-26	1, 2-Ethanedithiol; dixanthate	0	0	0	100	100
1749	57	Cr-116	Ethanethiol; copper salt	0	0	0	100	100
1750	56	NP-1379	2-diethylamino-	0	0	0	100	100
1751	57	Q-70	Ethanol, 1-acetamido-2, 2, 2-trichloro-	0	0	0	0	0
1752	46	192	2-amino-	0	0	0	0	0
1753	25	508, 071	2-(2-[2-(3-aminopropoxy) ethoxy]ethoxy)-	0	0	0	0	0
1754	57	Cr-397	2-(2-biphenylyloxy)-	0	0	0	0	0
1755	31	1127	1, 2-bis(p-chlorophenyl)-	0	0	0	0	0
1756	57	ER-80	2-[2-(2, 2-bis-p-chlorophenylvinyloxy)]ethoxy-	0	0	0	0	0
1757	57	ER-117	2-[2-(2-[2, 2-bis-p-chlorophenylvinyloxy] ethoxy) ethoxy]-	0	0	0	0	0
1758	25	402, 032	2-bromo-	0	0	0	0	0
1759	57	Cr-1081	2-(2-butoxyethoxy)-; phosphorus acid triester	0	0	0	0	0
1760	57	Mr-15	2-tert-butylamino-	0	0	0	0	0
1761	57	Cr-656	2-(4-tert-butyl-2-nitrophenoxy)-	0	0	0	0	0
1762	25	103, 234	2-(4-tert-butylphenoxy)-	0	0	0	0	0
1763	63	O-4170	2-(2-carboxyethoxy)-	0	0	0	0	0
1764	57	He-481	2-chloro-; ester with petroleum oxidation product	0	0	0	0	0
1765	25	400, 914	2-[2-(2-chloroethoxy) ethoxy]-	0	0	0	0	0
1766	57	Cr-374	2-(4-chlorophenoxy)-	0	0	0	0	0
1767	57	Q-50	1-(2-chlorophenyl)-2, 2-dichloro-	0	0	0	0	0
1768	31	595	x-(2-chlorophenyl)-2-nitro-	0	0	0	100	100
1769	25	402, 648	2, 2'-(decamethylenedithio) di-	0	0	0	0	0
1770	54		2-(2, 4-dichlorophenoxy)-; carbanilate	0	0	0	0	0
1771	25	508, 090	2-(2-dimethylaminoethoxy)-	0	0	0	0	0
1772	57	Cr-819	2-[4-(1, 1-dimethylpropyl)-2-nitrophenoxy]-	0	0	0	0	0
1773*	19		2-dodecylamino-	0	100	100	100	100
1774	25	101, 940	2-(2-ethoxyethoxy)-	0	0	0	0	100
1775	25	400, 571	2, 2'-ethylenedisulfonyldi-	0	0	0	0	0
1776	19		2-(N-ethyl-N-octyl) amino-	0	0	0	0	0
1777	56	NP-1389	2-ethylthio-	0	0	0	0	0
1778	46	323	2, 2'-iminodi-N-phenyl-	0	0	0	0	0
1779	25	101, 902	2-isopropoxy-	0	0	0	0	0
1780	25	106, 384	2-(2-isopropoxyethoxy)-	0	0	0	0	0
1781	25	101, 860	2-methoxy-	0	0	0	0	0
1782	25	105, 310	2-(p-methoxyphenoxy)-	0	0	0	0	0
1783	25	402, 624	2, 2'-(methylenedithio) di-	0	0	0	0	0
1784	25	402, 631	2, 2'-(1-methyltrimethylenedithio) di-	0	0	0	0	0
1785	54		2-(4-morpholinyl)-; carbanilate	0	0	0	0	0
1786	57	Cr-387	2-(2-naphthyloxy)-; acetate	0	0	0	0	0
1787	46	201	2, 2', 2"-nitrilotri-; (triethanol amine)	0	0	0	0	0
1788	25	507, 529	triacetate (ester)	0	0	0	0	0
1789	57	Cr-369	2-(p-nitrophenoxy)-	0	0	0	0	0
1790	57	Cr-917	2-[2-o-nitro-p-(1, 1, 3, 3-tetramethylbutyl) phenoxy ethoxy]-	0	0	0	0	0
1791	57	Cr-916	acetate	0	0	0	0	0
1792	25	403, 137	1, 1'-oxybis[2-chloro-	0	0	0	100	100
1793	25	402, 640	2, 2'-(pentamethylenedithio) di-	0	0	0	0	0
1794	57	Cr-130	2-phenoxy-	0	0	0	0	0
1795	57	Cr-875	p-toluenesulfonate	0	0	0	0	0
1796	57	Cr-412	2, 2'-(m-phenylenedioxy) di-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1797	25	400,866	2,2'-sulfinyldi-	0	0	0	0	0
1798	25	400,570	2,2'-sulfonyldi-	0	0	0	0	0
1799	57	Cr-566	2,2'-[p,p'-(sulfonyldiphenoxy)]di-	0	0	0	0	0
1800	57	Cr-399	2-(o-tolyloxy)-	0	0	0	0	0
1801	57	Cr-501	2-(x-tolyloxy)-	0	0	0	0	0
1802	25	402,971	2,2,2-trichloro-	0	0	0	0	0
1803	25	107,028	x,x,x-triphenyl-, benzoate	0	0	0	0	0
1804	25	106,642	1,1,2-triphenyl-	0	0	75	100	100
1805	57	Cr-1606	Ether, allyl benzyl	0	0	0	0	0
1806	58	O-3616a	allyl 3-bromobiphenylyl	0	0	0	100	100
1807	57	Cr-158	benzyl 2-benzyl-4,6-dinitrophenyl	0	0	0	0	0
1808	57	Cr-340	benzyl p-benzylphenyl	0	0	75	100	100
1809	57	Cr-909	benzyl 2-bromo-4-tert-butyl-6-nitrophenyl	0	0	75	100	100
1810	57	Cr-1254	benzyl 5-bromo-3-nitro-o-tolyl	0	0	25	100	100
1811	57	Cr-980	benzyl 4-tert-butyl-2-chloro-6-nitrophenyl	0	0	75	100	100
1812	57	Cr-529	benzyl 4-tert-butyl-2,6-dinitrophenyl	0	0	0	0	0
1813	57	Cr-357	benzyl p-tert-butyl-x-nitrophenyl	0	0	0	0	0
1814	57	Cr-214	benzyl 4-sec-butylphenyl	0	0	100	100	100
1815	57	Cr-484	benzyl 2-(5-chlorobiphenylyl)	0	0	0	100	100
1816	57	Cr-485	benzyl 2-(6-chlorobiphenylyl)	0	25	75	100	100
1817	57	FW-130	benzyl 2-chloro-4-nitro-phenyl	0	0	0	0	0
1818	57	Cr-120	benzyl o-chlorophenyl	0	0	0	75	100
1819	57	SM-334	benzyl p-cresoxymethyl	0	0	0	0	0
1820	57	Cr-474	benzyl 2-cyclohexyl-4-nitrophenyl	0	0	0	100	100
1821	57	Cr-461	benzyl 4-cyclohexyl-2-nitrophenyl	0	0	0	100	100
1822	57	Cr-441	benzyl 2-cyclohexylphenyl	0	0	0	50	75
1823	57	Cr-1623	benzyl 2,3-dibromopropyl	0	0	0	0	0
1824	57	Cr-960	benzyl 2,6-dibromo-4-(1,1,3,3-tetramethylbutyl)phenyl	0	0	0	0	0
1825	57	Cr-1625	benzyl 2,3-dichloro-2-methylpropyl	0	0	0	0	0
1826	31	479	benzyl 2,3-dichloropropyl	0	0	0	0	0
1827	57	Cr-204	benzyl 2,6-dinitro-4-t-octylphenyl	0	0	0	0	0
1828	57	Cr-256	benzyl 2,4-dinitrophenyl	0	0	0	0	0
1829	57	Cr-987	benzyl x,x-dipentyl-x-nitrophenyl	0	0	0	100	100
1830	57	Cr-662	benzyl p-iodophenyl	0	0	0	100	100
1831	57	Cr-245	benzyl 2-isopropyl-5-methylphenyl	0	0	0	100	100
1832	57	Cr-682	benzyl methyl	0	0	0	0	0
1833	57	Cr-664	benzyl o-(2-methylallyl) phenyl	0	0	0	100	100
1834	57	Cr-623	benzyl x-(1-methylheptyl)-x-nitrophenyl	0	0	0	75	100
1835	57	Cr-278	benzyl 2-methyl-4-nitrophenyl	0	0	0	0	0
1836	57	Cr-275	benzyl 2-methyl-6-nitrophenyl	0	0	0	0	0
1837	57	Cr-270	benzyl 2-methyl-(4- and 6-) nitrophenyl	0	0	0	0	0
1838	57	Cr-213	benzyl a-naphthyl	0	0	0	100	100
1839	57	Cr-159	benzyl B-naphthyl	0	0	0	0	0
1840	57	Cr-356	benzyl 2-(x-nitrobiphenylyl)	0	0	0	0	100
1841	57	Cr-243	benzyl B-(a-nitronaphthyl)	0	0	0	0	0
1842	57	Cr-166	benzyl 2-nitrophenyl	0	0	0	0	0
1843	57	Cr-123	benzyl 4-nitrophenyl	0	0	0	0	0
1844	57	Cr-355	benzyl x-nitro-p-1,1,3,3-tetramethylbutylphenyl	0	0	0	0	0
1845	57	Cr-341	p-benzylphenyl p-nitrobenzyl	0	0	0	0	0
1846	57	Cr-203	benzyl 2-n-propylphenyl	0	0	0	100	100
1847	57	Cr-165	benzyl p-(1,1,3,3-tetramethylbutylphenyl)	0	0	0	0	0
1848	57	Cr-215	benzyl m-tolyl	0	0	0	50	100
1849	57	Cr-229	benzyl p-tolyl	0	0	0	0	0
1850	25	402,130	benzyl 2,4,6-trichlorophenyl	0	0	0	100	100
1851	57	Cr-1058	benzyl p-(a,a,a-triphenyl) tolyl	0	0	0	0	0
1852	58	O-2158	3-biphenylyl n-butyl	0	0	100	100	100
1853	57	Cr-228	2-biphenylyl o-chlorobenzyl	0	0	0	100	100
1854	46	1	2-biphenylyl 2-chloroethyl	0	0	0	0	0
1855*	58	O-130	x-biphenylyl x,x-dichlorophenyl	0	100	100	100	100
1856	57	Cr-314	2-biphenylyl 2-methylallyl	0	0	0	0	100
1857	57	Cr-224	2-biphenylyl a-naphthylmethyl	0	0	0	0	0
1858	57	Cr-195	2-biphenylyl p-nitrobenzyl	0	0	0	100	100
1859*	58	O-2137	3-biphenylyl phenyl	0	100	100	100	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1860	49		bis(p-aminophenyl)	0	0	0	0	0
1861	57	Cr-992	bis(2-benzyloxyethyl)	0	0	0	0	0
1862	46	10	bis[2-(2-biphenylyloxy)ethyl]	0	0	0	0	0
1863	25	402,135	bis(2-bromethyl)	0	0	0	0	0
1864	57	Q-133	bis(p-chlorobenzyl)	0	0	0	0	0
1865	25	402,197	bis(2-chloro-1-methylethyl)	0	0	0	0	0
1866	57	ER-74	2,2-bis(p-chlorophenyl)vinyl 2-chloroethyl	0	0	0	100	100
1867	57	ER- 3	2,2-bis(p-chlorophenyl)vinyl ethyl	0	0	0	0	0
1868	57	ER-146	2,2-bis(p-chlorophenyl)vinyl methyl	0	0	0	0	0
1869	57	ER-30	2,2-bis(4-chlorophenyl)vinyl tetrahydrofurfuryl	0	0	0	100	100
1870	57	ER-32	1,1-bis-(4-chlorophenyl)vinyl tetrahydropyran-2-methyl	0	0	0	0	0
1871	57	Cr-768	bis[p-(a-chlorotolyloxy)]	0	0	0	0	0
1872	65		bis(3,4-dichloro-2(5)-furanonyl-	0	0	0	0	0
1873	57	Cr-782	bis(2,4-dichlorophenyl)	0	0	25	100	100
1874	57	Cr-1564	bis(2-methylallyl)	0	0	0	0	0
1875	57	Cr-770	bis[x-(p-nitrophenoxy)-p-tolyl]	0	0	0	0	100
1876	57	Cr-777	bis(x-nitrophenyl)	0	0	0	0	0
1877	57	Cr-967	bis(4-nitrophenyl)	0	0	0	0	0
1878	57	Cr-1087	bis-2-(x,x-xylyloxy)ethoxy	0	0	0	0	0
1879	57	Cr-734	2-(4-bromobiphenylyl) p-nitrophenyl	0	0	100	100	100
1880	57	Hr-486	o-bromo-p-tert-butylphenyl 2,4-dinitrophenyl	0	0	0	100	100
1881	57	Hr-488	o-bromo-p-tert-butylphenyl p-nitrobenzyl	0	0	0	50	50
1882	57	Cr-559	2-bromoethyl methyl	0	0	0	0	0
1883	57	Cr-757	x-bromo-x-(1-methylheptyl)phenyl 2,4-dinitrophenyl	0	0	0	0	0
1884	57	Cr-799	p-bromo-o-(1-methylheptyl)phenyl p-nitrophenyl	0	0	0	0	0
1885	57	Cr-779	4-bromo-x-nitrophenyl 4-bromophenyl	0	0	0	100	100
1886	57	Cr-1257	o-(4-bromo-6-nitrotolyl) 2-methylallyl	0	0	0	0	0
1887	25	905,105	p-bromophenyl o-nitrophenyl	0	0	0	0	100
1888	25	905,106	p-bromophenyl p-nitrophenyl	0	0	0	0	100
1889	49		x-bromophenyl phenyl	0	0	0	0	100
1890	57	Cr-778	p-bromophenyl phenyl	0	0	0	0	100
1891	57	Cr-810	p-bromophenyl p-(1,1,3,3-tetramethylbutyl)phenyl	0	0	0	0	0
1892	25	402,375	3-bromopropyl phenyl	0	0	0	0	0
1893	57	Cr-986	4-tert-butyl-2,6-dinitrophenyl 2-methylallyl	0	0	0	0	0
1894	57	Cr-630	p-tert-butyl-o-nitrophenyl o-chlorobenzyl	0	0	25	100	100
1895	57	Cr-719	p-tert-butyl-o-nitrophenyl 2,4-dinitrophenyl	0	0	0	0	0
1896	57	Cr-631	p-tert-butyl-o-nitrophenyl 2-methylallyl	0	0	0	50	100
1897*	58	O-3329-a	4-tert-butylphenyl 2-chloroallyl	75	100	100	100	100
1898	57	Cr-642	4-tert-butylphenyl 2-chlorobenzyl	0	0	50	100	100
1899	57	SM-437	p-tert-butylphenyl 5-dodecyl-2-methylbenzyl	0	0	0	0	0
1900	57	Cr-194	p-tert-butylphenyl p-nitrobenzyl	0	0	0	50	100
1901	57	Cr-276	p-tert-butylphenyl B-phenoxyethyl	0	0	0	0	0
1902	57	Cr-219	x-tert-butylphenyl B-tetrahydronaphthylmethyl	0	0	0	0	0
1903	54		n-butyl 2,3,5,6-tetrachlorophenyl	0	0	0	100	100
1904	46	270	o-carbomethoxyphenyl p-chlorobenzyl	0	0	0	0	0
1905	57	Cr-232	o-chlorobenzyl o-chlorophenyl	0	0	50	100	100
1906*	57	Cr-705	o-chlorobenzyl 2,4-dibromophenyl	0	100	100	100	100
1907	46	16	p-chlorobenzyl 2,4-dichlorophenyl	0	50	100	100	100
1908	57	Cr-972	x-chlorobenzyl x,x-dipentylphenyl	0	0	0	0	0
1909	46	53	4-chlorobenzyl x-methoxy-y-butylphenyl	0	0	0	100	100
1910	57	SM-403	4-chlorobenzyl 4-methoxyphenoxymethyl	0	0	0	0	75
1911	46	50	4-chlorobenzyl 2-methoxyphenyl	0	0	0	0	100
1912	46	52	4-chlorobenzyl 2-methoxy-4-propenylphenyl	0	25	25	100	100
1913	57	ER-3	4-chlorobenzyl methyl	0	0	0	0	0
1914	46	313	4-chlorobenzyl 1-naphthyl	0	0	0	100	100
1915	57	Cr-641	2-chlorobenzyl 2-nitrophenyl	0	0	0	0	0
1916	57	Cr-231	2-chlorobenzyl 4-nitrophenyl	0	0	0	0	0
1917	46	54	4-chlorobenzyl x-nonylphenyl	0	0	0	0	100
1918	46	5	4-chlorobenzyl phenyl	0	0	0	0	0
1919	57	Cr-227	2-chlorobenzyl x-(1,1,3,3-tetramethylbutyl)phenyl	0	0	0	0	0
1920	46	13	2-(4-chlorobiphenylyl) 2-chloro-1-methylethyl	0	0	0	0	0
1921	57	Cr-629	2-chloroethyl 4-tert-butyl-x-nitrophenyl	0	0	0	0	0
1922	57	Cr-887	2-chloroethyl 2-(4-chloromethyl)biphenylyl	0	0	0	0	50
1923	57	Cr-544	2-chloroethyl 2,4-(dichloromethyl)phenyl	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
1924	57	Cr-289	2-chloroethyl p-(1, 1, 3, 3-tetramethylbutyl)phenyl	0	0	0	100	100
1925	25	402, 368	p-chloro-a-methylenebenzyl methyl	0	0	0	0	0
1926	57	Cr-781	4-chlorophenyl 2, 4-dichlorophenyl	0	0	0	100	100
1927	57	Cr-311	4-chlorophenyl 2-methylallyl	0	0	0	0	0
1928	57	Cr-198	4-chlorophenyl 4-nitrobenzyl	0	0	0	0	0
1929	25	905, 107	3-chlorophenyl 4-nitrophenyl	0	0	0	0	100
1930	57	Cr-288	4-chlorophenyl 2-phenoxyethyl	0	0	0	0	0
1931	57	FW-95	o-chlorophenyl 2, 4, 6-trichlorobenzyl	0	0	0	100	100
1932	25	106, 639	cinnamyl mesityl	0	0	50	100	100
1933	57	Cr-481	2-cyclohexylphenyl 4-nitrobenzyl	0	0	0	0	0
1934	57	Cr-464	4-cyclohexylphenyl 4-nitrobenzyl	0	0	0	75	100
1935	57	Cr-1010	2, 4-dibromo-6-nitro-phenyl phenyl	0	0	0	100	100
1936	57	Cr-689	2, 4-dibromophenyl 2, 4-dinitrophenyl	0	0	0	100	100
1937	57	Cr-706	2, 4-dibromophenyl 4-nitrobenzyl	0	0	0	0	0
1938	57	Cr-790	2, 4-dibromophenyl 2-nitrophenyl	0	0	0	0	0
1939	57	Cr-708	2, 4-dibromophenyl 4-nitrophenyl	0	50	50	100	100
1940	57	ER-37	4, 4'-dichlorobenzhydryl allyl	0	0	0	100	100
1941	57	ER-17	4, 4'-dichlorobenzhydryl capryl	0	0	0	0	0
1942	57	FW-132	4, 4'-dichlorobenzhydryl 2-chloroethyl	0	0	0	100	100
1943	57	ER-62	4, 4'-dichlorobenzhydryl B-chloro-tert-butyl	0	0	0	0	0
1944	57	ER-63	4, 4'-dichlorobenzhydryl B-chloroisopropyl	0	0	0	100	100
1945	57	ER-18	4, 4'-dichlorobenzhydryl cyclohexyl	0	0	0	0	100
1946	57	ER-44	4, 4'-dichlorobenzhydryl hexadecyl	0	0	0	0	0
1947	57	ER-19	4, 4'-dichlorobenzhydryl isononyl	0	0	0	0	0
1948	57	ER-13	4, 4'-dichlorobenzhydryl isopropyl	0	0	0	100	100
1949	57	ER-70	4, 4'-dichlorobenzhydryl pentachlorophenoxyethyl	0	0	0	0	0
1950	57	ER-14	4, 4'-dichlorobenzhydryl n-propyl	0	0	0	100	100
1951	57	ER-38	4, 4'-dichlorobenzhydryl tetrahydrofurfuryl	0	0	0	100	100
1952	46	18	2-(2, 4-dichlorophenoxy)ethyl 2-chloroethyl	0	0	0	0	100
1953	58	O-31-C	di(x-chlorophenyl)	0	0	0	100	100
1954	57	Q-85	2, 4-dichlorophenyl 4-chlorobut-2-enyl	0	0	0	75	100
1955	57	Q-90	2, 4-dichlorophenyl 4-chlorobutyl	0	0	0	0	75
1956	46	325	2, 4-dichlorophenyl [2-(1-dimethylamino)propyl]	0	0	0	0	0
1957	57	Cr-783	2, 4-dichlorophenyl 2, 4, 6-trichlorophenyl	0	0	75	100	100
1958	57	Cr-718	p-(1, 1-dimethylpropyl)-o-nitrophenyl 2, 4-dinitrophenyl	0	0	0	0	100
1959	57	Cr-721	p-(1, 1-dimethylpropyl)-o-nitrophenyl 2-methylallyl	0	0	0	100	100
1960	57	Cr-970	2, 4-dinitrophenyl x, x-dipentylphenyl	0	0	0	0	100
1961	57	Cr-263	2, 4-dinitrophenyl ethyl	0	0	0	0	0
1962	57	Cr-856	2, 4-dinitrophenyl o-(2-methylallyl)phenyl	0	0	0	100	100
1963	57	Cr-736	2, 4-dinitrophenyl x-(1-methylheptyl)phenyl	0	0	0	0	0
1964	57	Cr-259	2, 4-dinitrophenyl 2-nitrophenyl	0	0	0	0	0
1965	57	Cr-258	2, 4-dinitrophenyl 4-nitrophenyl	0	0	0	0	0
1966	25	508, 469	2, 4-dinitrophenyl phenyl	0	0	0	0	0
1967	57	Cr-989	x, x-dipentyl-x-nitrophenyl 2-methylallyl	0	0	0	75	100
1968	57	Cr-971	x, x-dipentylphenyl 4-nitrophenyl	0	0	0	0	0
1969	58	O-4764	distyryl cresyl	0	0	0	0	0
1970	35		glycidyl phenyl	0	0	0	0	0
1971	54		glycidyl 2, 4, 5-trichlorophenyl	0	0	0	100	100
1972	57	SM-411	p-hexylbenzyl p-methoxyphenyl	0	0	0	50	100
1973	63	O-4283	3-(3-hydroxypropoxy)propyl 3-methoxypropyl; benzenesulfonic acid ester	0	0	0	0	0
1974	46	329	2-isopropyl-4-chloro-5-methylphenyl 4-chlorobenzyl	0	0	0	0	0
1975	57	Cr-891	2-methylallyl 2-(2-methylallyl)phenyl	0	0	0	0	0
1976	57	Cr-998	2-methylallyl 2-(1-methylheptyl)phenyl	0	0	0	0	100
1977	57	Cr-651	2-methylallyl 2-nitrophenyl	0	0	0	0	0
1978	57	Cr-300	2-methylallyl 4-nitrophenyl	0	0	0	0	0
1979	57	Cr-654	2-methylallyl 2-nitro-4-(1, 1, 3, 3-tetramethylbutyl) phenyl	0	0	0	0	100
1980	57	Cr-990	2-methylallyl 4-(1, 1, 3, 3-tetramethylbutyl)phenyl	0	0	0	0	75
1981	57	SM-421	2-methyl-5-dodecylbenzyl 2-caprylphenyl	0	0	0	0	0
1982	57	ER-33	2-(4-morpholinyl)ethyl 2, 2-bis-p-chlorophenylvinyl	0	0	0	0	0
1983	57	Cr-796	2-(1-methylheptyl)phenyl 4-nitrophenyl	0	0	0	0	0
1984	57	Cr-237	a-naphthylmethyl phenyl	0	0	0	100	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter's code		.01	.04	.10	.40	1.0
1985	57	Cr-216	a-naphthylmethyl x-(1, 1, 3, 3-tetramethylbutyl)phenyl	0	0	0	0	75
1986	57	Cr-202	B-naphthyl p-nitrobenzyl	0	0	0	0	0
1987	57	Cr-293	4-nitrobenzyl 2, 4-dinitro-6-methylphenyl	0	0	0	0	0
1988	57	Cr-201	4-nitrobenzyl 2-nitrophenyl	0	0	0	0	0
1989	57	Cr-197	4-nitrobenzyl 4-nitrophenyl	0	0	0	0	0
1990	57	Cr-193	4-nitrobenzyl phenyl	0	0	0	0	0
1991	57	Cr-218	4-nitrobenzyl m-tolyl	0	0	0	0	0
1992	57	Cr-285	4-nitrobenzyl o-tolyl	0	0	0	0	0
1993	57	Cr-284	4-nitrobenzyl p-tolyl	0	0	0	0	0
1994	57	Cr-277	p-nitrobenzyl p-(1, 1, 3, 3-tetramethylbutyl)phenyl	0	0	0	0	0
1995	57	FW-144	2-nitroisobutyl 4, 4'-dichlorobenzhydryl	0	0	50	100	100
1996	57	ER-43	(2-nitroisobutyl)-2, 2-di(4-chlorophenyl)vinyl	0	0	0	0	0
1997	57	Cr-235	3-nitro-4-methoxybenzyl phenyl	0	0	0	0	0
1998	57	Cr-222	4-nitrophenyl B-tetrahydronaphthylmethyl	0	0	0	100	100
1999	57	Cr-257	2-phenoxyethyl phenyl	0	0	0	0	0
2000	57	Cr-809	phenyl 4-(1, 1, 3, 3-tetramethylbutyl)phenyl	0	0	0	0	0
2001	68		Ethylamine (70%) in H_2O	0	0	0	0	0
2002	25	800, 255-12	Ethylamine, 2-bromo-; hydrobromide	0	0	0	0	0
2003	46	310	2-chloro-N, N-dimethyl-; hydrochloride	0	0	0	0	0
2004	57	Cr-1233	Ethylarsonic acid	0	0	0	0	0
2005	56	NP-602	Ethylene, 1, 1-bis(p-chlorophenyl)-2, 2-dichloro-	0	25	75	100	100
2006	57	ER-39	1, 1-bis(4-chlorophenyl)-2-N-morpholino-	0	0	25	100	100
2007	57	FW-110	1, 1-bis(p-tolyl)-	0	0	0	0	100
2008	57	Mr-86	1, 1-di-(p-methoxyphenyl)-2, 2-dichloro-2, 2-dichloro	0	0	75	100	100
2009	57	FW-111	1, 1, 2, 2-tetrakis(p-chlorophenyl)-	0	0	0	0	0
2010	49		1-(2, 4, 6-trinitrophenyl)-2-furyl-	0	0	0	100	100
2011	57	Cr-899	Ethylenediamine; dihydrochloride	0	0	0	0	0
2012	46	47	N, N'-bis(m-chlorophenyl)-2, 2, 2-trichloro-	0	0	0	0	100
2013	46	46	N, N'-bis(o-chlorophenyl)-2, 2, 2-trichloro-	0	0	0	100	100
2014	57	Lo-655	N, N'-bis(2, 4-dinitrophenyl)-N, N'-diisononyl-	0	0	0	0	0
2015	57	Lo-31	N, N'-bis(dithiocarballyloxy)	0	0	0	0	100
2016	57	SM-19	N, N'-bis [dithiocarbo(2-cyclohexanyloxy)]-	0	0	0	0	0
2017*	57	O-2301	N, N'-bis(2-ethylhexyl)-	100	100	100	100	100
2018*	57	V-318	cadmium (II) bromide complex	0	100	100	100	100
2019*	57	V-315	cobalt (II) chloride complex	0	100	100	100	100
2020	57	Cr-931	N', N'-bis(2-methylallyl)-	0	0	0	0	0
2021*	57	FW-74	N, N'-bis(7, 7'-methylheptyl)-, complex with 2, 4-dinitro-6-octyl-phenol	100	100	100	100	100
2022	46	45	N, N'-bis(o-tolyl)-2, 2, 2-trichloro-	0	0	0	0	0
2023	26	EC1352	dibenzyl-; diacetate	0	0	75	100	100
2024	57	V-293	N, N'-dibenzyl-, nickel (II) chloride complex	0	0	75	100	100
2025	57	V-292	zinc chloride complex	0	0	0	75	100
2026*	57	SM-520	N, N'-di(2-ethylhexyl)	100	100	100	100	100
2027*	57	V-166	N, N-di(2-ethylhexyl)-; cobaltous sulfate complex	50	100	100	100	100
2028*	57	V-173	copper (II) acetate complex	0	100	100	100	100
2029*	57	V-114	nickel chloride complex	100	100	100	100	100
2030*	57	V-164	zinc chloride complex	0	100	100	100	100
2031	57	V-290	N, N'-diisobutyl-, zinc chloride complex	0	0	0	0	0
2032*	57	V-155	N, N'-diisooctyl-; nickel chloride salt	0	100	100	100	100
2033	57	Lo-761	N, N'-dimethyl-; dihydrochloride	0	0	0	0	0
2034	57	V-69	N, N'-dinonyl-; copper (II) acetate complex	0	0	0	100	100
2035	57	V-81	(D-1)-, diacetate	0	0	100	100	100
2036	57	V-54	di-B-naphthalenesulfonic acid salt	0	0	100	100	100
2037	57	V-58	dipicrate	0	0	0	100	100
2038	57	V-52	di-p-toluenesulfonic acid salt	0	0	0	0	0
2039	57	V-66	mono nonanoate (D-1)	0	0	0	100	100
2040	57	Lo-644	N, N'-dinonyl-N, N'-di(γ, γ, γ-trichlorocrotonyl)-	0	0	0	0	0
2041*	57	V-71	N, N'-dinonyl-; zinc chloride complex	0	100	100	100	100
2042	57	V-299	N, N'-diphenyl-, zinc chloride complex	0	0	0	0	0
2043*	57	SM-429	N, N'-di-tert-octyl	0	100	100	100	100
2044	57	V-288	N-octyl-, nickel (II) chloride complex	0	0	0	100	100

Table 1. --Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number								
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code	Technical name	.01	.04	.10	.40	1.0
2045	19		N-dodecyl-; dihydrochloride	0	0	100	100	100
2046	57	V-324	N-n-hexyl-	0	0	0	100	100
2047	46	218	N-1-naphthyl-; dihydrochloride	0	0	0	0	0
2048	57	V-309	N, N, N', N'-tetrabutyl-	0	0	0	100	100
2049	57	V-321	N, N, N', N'-tetrabutyl-; zinc chloride complex	0	0	0	100	100
2050	62		Ethylene dichloride	0	0	0	0	0
2051	25	906,697	Ethylene glycol, bis(m-chlorocarbanilate)	0	0	0	0	100
2052	63	O-3383	kerylbenzyl ether	0	0	0	0	0
2053	68		monoethyl ether	0	0	0	0	0
2054	63	O-2288-C	monoethyl ether, benzenesulfonic acid ester	0	0	0	0	0
2055	46	3	1, 2-di-(p-chlorophenyl)-	0	0	0	0	0
2056	100	A-151	Ethylenethiourea; silver nitrate complex	0	0	0	100	100
2057	57	WC-60	Ethylphosphonic acid, B-(B-hydroxyethyl)diethoxy-; di-n-butyl ester	0	0	0	0	0
2058	57	WC-62	B-(B- hydroxyethyl)tetraethoxy-, di-B-chloroethyl ester	0	0	0	0	0
2059	25	100,256	Eugenol	0	0	0	0	0
2060	82		Fast Green FCF	0	0	0	0	0
2061	25	106,368	dl-Fencholic acid	0	0	0	0	0
2062*	50		Fermate	0	100	100	100	100
2063	25	105,669	Ferulic acid	0	0	0	0	0
2064			2'-Flavanol, 2, 4, 4, 4', 7-pentamethyl-	0	0	0	0	0
2065	9		Fluophosphoric acids; pyridinium salt	0	0	0	0	0
2066	9		sodium salt	0	0	0	0	0
2067	25	000,435	Fluoranthene	0	75	100	100	100
2068	25	000,137	Fluorene	0	0	0	0	0
2069	57	WC-43	2-(N'-tert-butylthiouryl)-1, 4-endomethylene-1, 2, 3, 4, 4a, 9a-hexahydro-	0	0	0	0	50
2070	57	Q-176	10, 10-dimethoxy-6, 9-endomethylene-6, 7, 8, 9-tetrachloro-5a, 6, 9, 9a-tetrahydro-	0	0	0	100	100
2071			Fluorescein	0	0	0	0	0
2072	6		Fluosilicic acid; ammonium salt	0	0	0	0	0
2073	6		triethanolamine salt	0	0	0	0	0
2074	57	Lo-648	2-t-octylaminomethyl hexesterol	0	0	0	100	100
2075	57		Folic Acid	0	0	0	0	0
2076	1		Foral Amine Acetate	0	0	0	100	100
2077	57	SM-352	Formaldehyde; benzyl phenyl acetal	0	0	0	0	0
2078	57	SM-328	dibenzyl acetal	0	0	0	0	0
2079	57	SM-349	di(2-p-chlorophenoxyethyl)acetal	0	0	0	0	0
2080	57	SM-156	Formamide, N-benzhydryl-	0	0	0	0	0
2081	57	SM-371	Formamidine, N, N'-diphenyl-	0	0	0	0	0
2082	57	Q-141	Formic acid, azodi-; diethyl ester	0	0	0	0	0
2083	25	402,626	Formic acid, chloro-; hexyl ester	0	0	0	0	100
2084	25	Y00,059	Formylkorper	0	0	0	0	0
2085	95		Fructose-6-Phosphate (Barium)	0	0	0	0	0
2086	94		Fuchsin	0	0	25	50	75
2087	25	402,137	Fumaric acid; bis(2-chloroethyl) ester	0	0	0	0	0
2088			dimethyl ester	0	0	0	0	0
2089	25	101,480-68	nickel (II) salt, pentahydrate	0	0	0	0	0
2090	25	400,475	4-chloro-o-tolyloxy-	0	0	0	0	0
2091	25	510,346	2-Furaldehyde; azine	0	0	0	0	0
2092	19		oxime (mostly a)	0	0	0	0	0
2093	91		hydroxymethyl-	0	0	0	0	0
2094	25	503,239	5-nitro-; semioxamazone	0	0	0	0	0
2095	25	104,128	Furan, 2-(benzyloxymethyl)-	0	0	0	0	0
2096	25	402,026	3-bromo-2-(p-methoxyphenyl)-4, 5-diphenyl-	0	0	0	0	0
2097	25	401,978	2-(chloromethyl)tetrahydro-	0	0	0	0	0
2098	25	104,134	2-[(cinnamyloxy)methyl]-	0	0	0	0	0
2099	25	100,408	tetrahydro-	0	0	0	0	0
2100	58	O-5884	2-Furanacrylic acid; benzyl ester	0	0	0	0	0
2101	58	O-5865	2-ethylbutyl ester	0	0	0	0	0
2102	25	501,105	5-nitroethyl ester	0	0	0	0	0
2103	57	ER-131	2-Furanglyconitrile; crotonate	0	0	0	0	0
2104	25	502,067	2-Furanilide	0	0	0	0	0
2105	80		Furfural	0	0	0	0	0

Table 1. --Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
2106	54		Furfuryl alcohol; carbanilate	0	0	0	0	0
2107	57	Cr-86	2-Furoic acid; iron (III) salt	0	0	0	0	0
2108	57	Q-77	n-octyl ester	0	0	0	0	0
2109	57	Q-83	3-chloro-; octyl ester	0	0	0	0	100
2110	91		Galactose	0	0	0	0	0
2111	25	102,371-65	Gentistic acid, sodium salt	0	0	0	0	0
2112	91		B-Glucose	0	0	0	0	0
2113	25	501,051	a(and B)-D-Glucose; pentacarbanilate	0	0	0	0	0
2114	95		Glucose-1-Phosphate (Potassium)	0	0	0	0	0
2115	91		Glucuronic Acid d(+)	0	0	0	0	0
2116	25	501,801	Glutamic acid, N-[p-(5-amino-7-hydroxy-2H-v-triazolo [d]pyrimid-2-yl)benzoyl]-; L	0	0	0	0	0
2117	25	501,862	N-[p-(2,4-diamino-6-hydroxy-5-pyrimidylazo) benzoyl]-; L	0	0	0	0	0
2118	47		2-methyl-; dl-	0	0	0	0	0
2119	25	501,797	N-(m-nitrobenzoyl)-; L	0	0	0	0	0
2120	25	507,196	Glutaramide, 2,4-dicyano-3-methyl-	0	0	0	0	0
2121	25	106,599	Glutaric acid, 3,3-dimethyl-	0	0	0	0	0
2122	57	SM-17	3-methyl-; diethyl ester	0	0	0	0	0
2123	57	Q-121	Glutaronitrile, 3-trichloromethyl-	0	0	0	0	0
2124	91		Glyceraldehyde, dL	0	0	0	0	0
2125	87		dL-Glyceric Acid	0	0	0	25	50
2126	63	O-4208	Glycerol, with propylene oxide, mol. wt. 950, condensation product	0	0	0	0	0
2127	63	O-4264	with propylene oxide, mol. wt. 2140, condensation product	0	0	0	0	0
2128	63	O-4305	with propylene oxide, mol. wt. 2140, plus 93 wt. percent ethylene oxide, condensation product	0	0	0	0	0
2129	46	283	Glycine	0	0	0	0	0
2130	25	904,284	N-(d-10-camphorylsulfonyl)-a-phenyl-	0	0	75	100	100
2131	57	SM-76	N,N-di(2-hydroxyethyl)-	0	0	0	0	0
2132	62		p-hydroxyphenyl-	0	0	0	25	100
2133	25	501,243	Glycocyamine	0	0	0	0	0
2134	91		Glycogen d(+)	0	0	0	0	0
2135	58	O-4723-a	Glycol; alkyl benzyl ethers	0	0	0	0	0
2136	54		Glycolic acid	0	0	0	0	0
2137	25	101,774	butyl carbonate, sec-butyl ester	0	0	0	0	0
2138	25	102,620	2-ethylhexyl ester	0	0	0	0	0
2139	25	103,445	isobutyl ester, hydrogen carbonate diester with diethylene glycol	0	0	0	0	0
2140	57	Lo-156	2-benzothiazylthio-	0	0	0	0	0
2141	68		Glyoxal	0	0	0	0	0
2142	91		Glyoxylic Acid	0	0	0	0	0
2143	25	510,341	Guaiacol, 4-nitro-	0	0	0	0	0
2144	25	800,115-A2	Guanidine; complex with ½ f.wt. fluosilicic acid	0	0	0	0	0
2145	25	800,118-61	1,3-dicyano-; monopotassium derivative	0	0	0	0	0
2146	54		potassium salt	0	0	0	0	0
2147	46	300	diphenyl-	0	0	0	0	0
2148	25	800,144-12	dodecyl-; monohydrobromide	0	0	0	100	100
2149	25	5K0-102	1-phenyl-; stearate	0	0	50	100	100
2150	67		Heliotrine	0	0	0	0	0
2151	67		Heliotrine-N-oxide	0	0	0	0	0
2152	46	281	Hematoxylin	0	0	0	0	0
2153	25	106,998	4,6-Hendecanedione, 3-ethyl-	0	0	0	0	0
2154	25	102,771	Hendecanoic acid	0	0	0	0	50
2155	57	SM-382	di-; bis(dimethylbutynylammonium) salt	0	0	0	0	0
2156	25	105,996	6-Hendecanol, 6-amyl-	0	0	0	0	0
2157	46	38	x-Hendecenoic acid; p-chlorobenzyl ester	0	0	0	0	0
2158	25	105,930-68	9-Hendecenoic acid; nickel (II) salt	0	0	100	100	100
2159	25	100,359	10-Hendecenoic acid	0	0	0	0	0
2160	25	105,388	butyl ester	0	0	0	0	0
2161	25	100,359-65	sodium salt	0	0	0	0	0
2162	25	100,359-74	zinc salt	0	0	0	0	0
2163	60		Heptachlor (technical)	0	0	50	100	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter's code		.01	.04	.10	.40	1.0
2164	60		Heptachlor 2E	0	0	0	0	100
2165			Heptachloride (10%)	0	0	0	25	100
2166	57	SM-394	2,6-Heptadienamide, N-isobutyl-	0	0	0	0	0
2167	57	SM-427	2,6-Heptadienoic acid, 6-methyl-	0	0	0	0	0
2168	25	501,125	Heptanedinitrile, 4-acetyl-4-methyl-	0	0	0	0	0
2169	25	508,484	4-acetyl-4-phenyl-	0	0	0	0	0
2170	25	106,635	Heptanedioic acid, 4-acetyl-4-phenyl-	0	0	0	0	0
2171	25	402,649	1,7-Heptanedione, 2,6-dibromo-1,7-diphenyl-	0	0	100	100	100
2172	49		2,4-Heptanedione	0	0	0	0	0
2173	57	SM-508	1-dimethylamino-5-ethyl	0	0	0	0	0
2174	58	O-5945	2-Heptanol, 1-phenyl-3-ethyl-	0	0	0	0	0
2175	57	WC-121	2,6-Heptenal	0	0	0	0	0
2176	57	V-132	3-Hepten-1-ol (cis)	0	0	0	0	0
2177	25	100,317	5-Hepten-2-one, 6-methyl-	0	0	0	0	0
2178	57	Mr-4	2-Heptyne, 4-chloro-1-dimethylamino-5-ethyl-	0	0	0	0	0
2179	57	SM-282	1-dimethylamino-5-ethyl-4-hydroxy-	0	0	0	0	0
2180*	25	403,154	Hexadecanoic acid, 2-bromo-	50	100	100	100	100
2181	57	Q-239	1-Hexadecene; with Cl_3CSCl, reaction product	0	0	0	0	0
2182	57	Q-284	10-Hexadecen-7-yne, 2,2,4,13,15,15-hexamethyl-6, 9-bis-dimethylamino-10-(1,3,3-trimethylbutyl)	0	0	0	0	0
2183	25	001,078	1,5-Hexadiene, 1,1,6,6-tetraphenyl-	0	0	0	0	0
2184*	25	102,777	3,5-Hexadienoic acid, 2-oxo-6-phenyl-	100	100	100	100	100
2185	57	SM-407	Hexaldehyde, 2-ethyl-, condensation product	0	0	0	0	0
2186	57	Cr-1111	Hexamethylenetetramine; salicylate	0	0	0	0	0
2187	56	NP-133b	Hexamethylenetetramine-benzyl chloride complex	0	0	0	0	0
2188	57	V-257	Hexane, 1-(p-nitrophenyl)-,	0	0	0	100	100
2189	25	801,585-A1	1,6-Hexanediamine; complex with 1 f. wt. fluosilicic acid	0	0	0	0	0
2190	25	403,638	Hexanedioic acid, octafluoro-	0	0	0	0	0
2191	25	100,249	1,3-Hexanediol, 2-ethyl-	0	0	0	0	0
2192	25	106,986	1,3-Hexanedione, 1-phenyl-	0	0	0	0	0
2193	49		2,4-Hexanedione; nickel complex	0	0	0	0	0
2194	49		5-methyl-	0	0	0	0	0
2195	25	510,563	Hexanoic acid, 2-ethyl-; ester with lactanilide	0	0	0	0	0
2196	25	510,567	triester with N,N-bis(2-hydroxypropyl)lactamide	0	0	0	0	0
2197	25	508,908	2-oxo-; oxime	0	0	0	0	0
2198			3,5,5-trimethyl-	0	0	0	0	0
2199	25	100,319	1-Hexanol, 2-ethyl-	0	0	0	0	0
2200	25	100,318	2-Hexenal, 2-ethyl-	0	0	0	0	0
2201	57	O-2398	4-Hexene, 1,1,6-trichloro-2-ethoxy-; mixture with 1,1,4-trichloro-2-ethoxy-5-hexene	0	0	0	0	0
2202	57	SM-231	2-Hexen-1-ol, 2-ethyl-	0	0	0	0	0
2203	57	Cr-843	1,4,7,13,16,19-Hexoxa-10-thiananonadecane, 1,19-bis (p-tert-butyl-o-nitrophenyl)-	0	0	0	0	0
2204	57	Cr-836	1,19-bis(p-chlorophenyl)-	0	0	0	0	0
2205	57	Cr-842	1,19-bis(o-1-methylheptylphenyl)-	0	0	0	0	0
2206	58	O-8157-a	n-Hexyl alcohol	0	0	0	0	0
2207*	57	V-116	Hexylamine, N,N-di(2-ethylhexylaminoethyl)-2-ethyl-	0	100	100	100	100
2208	70		Hexylamine, di-2-ethyl-; silicofluoride silicofluoride	0	0	0	100	100
2209	57	Lo-182	n-Hexylxanthic acid; carboxymethyl ester	0	0	0	0	0
2210	57	Q-307	1-Hexyne, 3-dimethylamino-	0	0	0	0	0
2211	46	155	Hexynediol, dimethyl-	0	0	0	0	0
2212	25	104,273	3-Hexyne-2,5-diol	0	0	0	0	0
2213	55	NP-1255	2,5-diphenyl-; compound I	0	0	0	0	0
2214	46	289	Hippuric acid	0	0	0	0	0
2215	81		L-Histidine · HCl	0	0	0	0	0
2216	46	271	Hydantoic acid, 5-phenyl-(?)-thio-	0	0	0	25	100
2217	58	O-11161	*Hydnocarpus anthelmintica*, oil of	0	0	0	0	0
2218	58	O-11262	*Hydnocarpus galli*, oil of	0	0	0	0	0
2219	58	O-11147	*Hydnocarpus wightiana* acid, mixed with ethyl estern	0	0	0	0	0
2220	25	505,578	Hydratroponitrile, B-p-toluyl-	0	0	0	0	0
2221	49		Hydrazine; sulfate	0	0	0	0	0
2222	70	CA-81	N,N-bis(2-hydroxyethyl)-N-octadecyl-; chloride	0	0	0	100	100
2223	54	63600-114 -1281	diethyl-N^2-phenyl-; iodo phosphate	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
2224	70	CA-47	N, N-dimethyl-N-hexadecyl-; bromide	0	0	0	100	100
2225	70	CA-14	chloride	0	0	0	100	100
2226	70	CA-48	iodide	0	0	0	100	100
2227	70	CA-184	N, N-dimethyl-N-[p-(2, 4, 4-trimethylamyl-2) phenoxyethoxyethyl]-; acetate	0	0	0	0	0
2228	70	CA-175	naphthenate	0	0	0	0	0
2229	46	236	2, 4-dinitrophenyl-	0	0	0	0	0
2230	70	CA-103	N-(2-hydroxyethyl)-N, N-bis(2-stearoyloxyethyl)-; chloride	0	0	0	0	0
2231	70	CA-134	N-methyl-N-benzyl-N-[p-(2, 4, 4-trimethylamyl-2) phenoxyethoxyethyl]-; chloride	0	0	0	100	100
2232	70	CA-3	N-methyl-N-"coco"-N-benzyl-; chloride	0	0	0	0	0
2233	25	802, 871	1-naphthyl-	0	0	0	0	0
2234	25	802, 872	2-naphthyl-	0	0	0	0	0
2235	68		p-nitrophenyl-; hydrochloride	0	0	0	0	0
2236	70	CA-24	Hydrazine-1, dihydrazinium-2-bis sulfinate	0	0	0	0	75
2237	62		Hydrazinium phosphite, copper sulfate complex	0	0	0	100	100
2238	9	HH-4-166	Hydrazinium trifluorostannite	0	0	0	50	50
2239	68		Hydriodic Acid	0	0	0	0	0
2240	46	290	Hydrocinnamic acid	0	0	0	0	0
2241	25	107, 025	a-acetyl-B-phenacyl-; ethyl ester	0	0	0	0	0
2242	57	H-114	a-cyano-; ethyl ester	0	0	0	0	0
2243	25	400, 406	a, B-dibromo-	0	0	0	0	0
2244	25	500, 150	B-nitro-a-phenacyl-	0	0	0	0	0
2245	25	102, 105	Hydrocoumarin	0	0	0	0	0
2246			B-Hydromuconomitrile	0	0	0	100	100
2247	40		Hydronopic acid (2-Norpinaneacetic acid, 6, 6-dimethyl-)	0	0	0	0	0
2248	46	282	Hydroquinone	0	75	100	100	100
2249*	25	105, 308	allyl-	50	100	100	100	100
2250*	25	400, 105	bromo-	0	100	100	100	100
2251	25	501, 039	Hydrouracil, 6-amino-5-isonitroso-	0	0	0	0	0
2252	68		p-Hydroxydiphenyl	0	0	0	0	0
2253	46	259	Hydroxylamine; hydrochloride	0	0	0	0	0
2254	67		Ibogaine	0	0	0	0	0
2255*	57	SM-526	1, 3-Imidazolidine, 1, 3-di-2-ethyl-hexyl-2-(3-heptyl)-	100	100	100	100	100
2256*	57	SM-438	2-diethylmethyl-1, 3-dinonyl	0	100	100	100	100
2257	57	Q-249	N, N-dimethyl	0	0	0	0	0
2258*	57	SM-365	Imidazolidine, 1, 3-dinonyl-	0	100	100	100	100
2259	57	SM-509	1, 3-dinonyl-2-(2, 4, 4-trimethylpentyl)-	0	0	0	100	100
2260*	57	SM-459	1, 3-di-t-octyl	0	100	100	100	100
2261	57	SM-485	1, 3-diphenyl-	0	0	0	0	0
2262	57	SM-370	1, 3-diphenyl-4-methyl-	0	0	0	75	75
2263	57	SM-452	3-Imidazolidine, 2-ethylbutylidene-bis-(1-cyanoethyl-2-diethylmethyl)	0	0	0	0	0
2264	57	ER-168	2-Imidazolidinethione, ethyl-p-chlorobenzene sulfonate complex	0	0	0	0	0
2265	57	Q-21	2-Imidazolidinethione, 1-(2-hydroxy-1, 1, 1-trichloroethyl)-	0	0	0	0	0
2266	57	SM-513	2-Imidazolidinone, 1, 3-cinnamyl-	0	0	0	100	100
2267	57	O-1841	2-Imidazoline, 1-(2-aminoethyl)-2-(8-heptadecenyl)-	0	75	100	100	100
2268	25	803, 316	2, 2'-bi-	0	0	0	0	0
2269	25	800, 005	1-(2-butylaminoethyl)-2-hendecyl-	0	0	0	100	100
2270	57	Lo-77	2-(3, 4-dichlorophenylmethylmercapto)-; hydrochloride	0	0	0	100	100
2271	31	332	Imidazolone, 4, 5-diphenyl-	0	0	0	0	0
2272	68		2, 2'-Iminodiethanol	0	0	0	0	0
2273	57	Cr-1238	Indan, 1, 2-dichloro-	0	0	0	0	0
2274	49		1, 3-Indandione, 2-isovaleryl-	0	0	0	0	0
2275	25	103, 571	2-phenyl	0	0	0	0	0
2276	49		potassium salt	0	0	0	0	0
2277	49		sodium salt	0	0	0	0	0
2278	49		2-pivalyl-	0	0	0	0	0
2279	49		potassium salt	0	0	0	0	0
2280	49		sodium salt	0	0	0	0	0
2281	57	Q-177	Indane, 2-hydroxy-8, 8-dimethoxy-4, 7-endomethylene-1, 4, 5, 6, 7-pentachloro-3a, 4, 7, 7a-tetrahydro-	0	0	0	100	100
2282	57	Q-190	a-(p-methoxyphenyl)-	0	0	0	100	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of Gymnodinium breve at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter's code		.01	.04	.10	.40	1.0
2283	57	Cr-1235	(1) or (2)-indanol, (2) or (1)-bromo-	0	0	0	0	0
2284	57	Cr-1239A	(cis)(2) or (1)-chloro-	0	0	0	0	0
2285	57	Cr-1239B	(trans)(2) or (1)-chloro-	0	0	0	0	0
2286	57	SM-125	1-Indanone, 3, 4-dimethyl-7-hydroxy-	0	0	0	0	0
2287	57	Q-198	Indene, 8, 8-dimethoxy-4, 7-endomethylene-3, 4, 5, 6, 7-pentachloro-3a, 4, 7, 7a-tetrahydro-	0	0	0	0	100
2288	25	800, 555	Indole	0	0	0	0	0
2289	25	502, 168	3-Indolebutyric acid	0	0	0	0	0
2290	25	500, 728	3-Indolepropionic acid	0	0	0	0	0
2291	87		Inosite	0	0	0	0	0
2292	25	100, 363	meso-Inositol	0	0	0	0	0
2293	91		Inulin	0	0	0	0	0
2294	27		Iodonium compounds; bis(acetamidophenyl)——chloride	0	0	0	0	0
2295	27		bis(acetocarbamidophenyl)——iodide	0	0	0	0	0
2296	27		bis(acetophenyl)——iodide	0	0	0	0	0
2297	27		bis(bromophenyl)——chloride	0	0	0	0	100
2298	27		bis(carboxymethylphenyl)——iodide	0	0	0	0	0
2299	25	000, 297-15	bis(3, 4-dichlorophenyl)——sulfate	0	0	0	100	100
2300	27		bis(dodecylphenyl)——chloride	0	0	0	0	0
2301	27		bis(ethylphenyl)——chloride	0	0	0	0	0
2302	25	000, 299-13	bis(p-fluorophenyl)——iodide	0	0	0	0	0
2303	27		bis(n-hexylphenyl)——chloride	0	50	75	100	100
2304	27		bis(iodophenylphenyl)——iodide	0	0	0	100	100
2305	25	000, 488-13	diphenyl——iodide	0	0	0	0	100
2306	25	508, 453	Isatin, 5, 7-dinitro-	0	0	0	0	0
2307	25	507, 199	7-methyl-	0	0	0	0	0
2308	68		Iso-Amyl Nitrite	0	0	0	0	0
2309	57	Cr-1128	Isobiuret, 2, 4-dibenzyl-1-phenyl-2, 4-dithio-; monohydrochloride	0	0	0	100	100
2310	25	400, 087	Isobutyl phosphate, tri-	0	0	0	0	0
2311	57	SM-340	Isobutyraldehyde; dimethallyl acetal	0	0	0	0	0
2312	57	O-2133	a, a'-dithiodi-	0	0	0	0	0
2313	25	500, 002	Isobutyranilide, N-ethyl-	0	0	0	0	0
2314	57	Cr-27	Isobutyric acid, a-thiocyano-; ethyl ester	0	0	0	0	0
2315	57	Cr-88	Isobutyronitrile, a-hydroxy-	0	0	0	0	0
2316	57	ER-76	acetate	0	0	0	0	0
2317	57	ER-79	benzoate	0	0	0	0	0
2318	54		carbanilate	0	0	0	0	0
2319	57	Q-113	Isocyanic acid; phenyl ester	0	0	0	0	0
2320	46	175	Isoeugenol	0	0	0	0	0
2321	25	905, 093	Isonicotinic acid, 2, 6-dichloro-	0	0	0	0	0
2322	57	SM-217	Isophorol	0	0	0	0	0
2323	25	100, 345	Isophthalic acid	0	0	0	0	0
2324	31	93	Isopropanol, 1, 2-di(4-chlorophenyl)-	0	0	0	0	100
2325	25	801, 584-A1	Isopropylamine; complex with ½ f. wt. fluosilicic acid	0	0	0	0	0
2326	57	Lo-164	Isopropylxanthic acid; 3, 4-dichlorobenzyl ester	0	0	75	100	100
2327	57	Lo-166	ester with thioglycolic acid	0	0	0	0	100
2328	53		sodium salt	0	0	0	0	0
2329	25	100, 264	Isopulegol	0	0	0	0	0
2330	18		Isoquinolinium compounds; alkyl methyl——chloride (Ammonyx 781)	0	0	0	0	100
2331	18		lauryl——bromide ("Isothan Q15", 20%)	0	0	0	0	100
2332	46	132	Isothiocyanic acid; allyl ester	0	0	0	0	0
2333	49		methallyl ester	0	0	0	0	0
2334	49		phenyl ester	0	0	0	0	0
2335	25	101, 076	Itaconic acid	0	0	0	0	0
2336	25	101, 821	diester with allyl lactate	0	0	0	0	0
2337	46	262	Juglans nigra hulls; water extract	0	0	0	0	0
2338	57	SM-291	Ketone, p-allyloxybenzylidenemethyl cyclopropyl	0	0	0	0	0
2339	25	900, 074	Ketone, 4-chlorophenyl 2-nitro-3-phenylcyclopropyl	0	0	0	0	0
2340	57	SM-207	cyclopropyl furfurylidenemethyl	0	0	0	0	0
2341	57	Q-100	dichloromethyl trichloromethyl	0	0	0	0	0
2342	49		methyl ethyl; semicarbazone	0	0	0	0	0
2343	25	402, 901	methyl 3-thianaphthenyl	0	0	0	0	0
2344	57	Cr-1581	Ketone, trichloroethyl trichlorohexyl	0	0	0	75	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Source No.	Submitter's code		.01	.04	.10	.40	1.0
2345	46	256	Lacmoid	0	0	0	0	0
2346	25	501, 277	Lactamide, acetate	0	0	0	0	0
2347	25	500, 529	N-; sec-butyl-	0	0	0	0	0
2348	25	507, 523	N-2-hydroxyethyl-; diacetate	0	0	0	0	0
2349	25	510, 556	N-2-hydroxypropyl-, diacetate	0	0	0	0	0
2350	25	510, 560	diester with ethyl carbonic acid	0	0	0	0	0
2351	25	510, 557	N-(α-methylbenzyl)-	0	0	0	0	0
2352	25	500, 520	N-propyl-	0	0	0	0	0
2353	25	510, 550	N-(1, 1, 3, 3-tetramethylbutyl)-	0	0	0	0	0
2354	25	507, 527	Lactanilide, N-2-hydroxyethyl-	0	0	0	0	0
2355	25	100, 380	Lactic acid	0	0	0	0	0
2356	25	101, 618	acetate	0	0	0	0	0
2357	25	101, 653	acetate, allyl ester	0	0	0	0	0
2358	25	101, 802	acetate, o-allylphenyl ester	0	0	0	0	0
2359	25	101, 654	acetate, carbomethoxymethyl ester	0	0	0	0	0
2360	25	400, 947	acetate, 2-chloroallyl ester	0	0	0	0	0
2361	25	101, 241	acetate, cyclohexyl ester	0	0	0	0	0
2362	25	101, 816	acetate, p-tert-2, 2-dimethylpropylphenyl ester	0	0	0	0	0
2363	25	101, 567	acetate, dodecylester	0	0	0	75	100
2364	25	106, 393	acetate, ester with 3a, 4, 5, 6, 7, 7a-hexahydro-4, 7-methanoindan-5(or 6)-ol	0	25	75	100	100
2365	25	101, 801	acetate, ester with phenyl lactate	0	0	0	0	0
2366	25	101, 662	acetate, isopropyl ester	0	0	0	0	0
2367	25	101, 338	acetate, octyl ester	0	0	0	0	0
2368	25	101, 795	acetate, 2-phenoxyethyl ester	0	0	0	0	0
2369	25	101, 786	acetate, o-tolyl ester	0	0	0	0	0
2370	25	104, 203	α-acetoxypropionate, ester with butyl lactate	0	0	0	0	0
2371	25	101, 106	allyl ester	0	0	0	0	0
2372	25	101, 319	allyl ester, diester with carbonic acid	0	0	0	0	0
2373	25	101, 157	allyl ester, lactate	0	0	0	0	0
2374	25	103, 474	allyl ester, lactate, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2375	54		benzyl ester, carbanilate	0	0	0	0	0
2376	25	101, 787	2-benzyloxyethyl ester	0	0	0	0	0
2377	25	103, 470	2-(2-butoxyethoxy)ethyl ester, decyl carbonate	0	0	0	0	75
2378	25	103, 481	2-(2-butoxyethoxy)ethyl ester, dodecyl carbonate	0	0	0	0	0
2379	25	103, 490	2-(2-butoxyethoxy)ethyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2380	25	103, 462	2-(2-butoxyethoxy)ethyl ester, octyl carbonate	0	0	0	0	0
2381	25	103, 437	2-butoxyethyl ester, pentyl carbonate	0	0	0	0	0
2382	54		butyl ester, m-cyanocarbanilate	0	0	0	0	0
2383	25	103, 460	butyl ester, dodecyl carbonate	0	0	0	0	0
2384	25	107, 778	butyl ester, ester with diethylene glycol, mono (butyl carbonate), mono (hydrogen carbonate)	0	0	0	0	0
2385	25	107, 781	butyl ester, ester with diethylene glycol, mono (2-ethylbutyl carbonate), mono (hydrogen carbonate)	0	0	0	0	0
2386	25	107, 785	butyl ester, ester with diethylene glycol, mono (hydrogen carbonate), mono (isooctyl carbonate) (isooctyl is mixture of isomers)	0	0	0	0	0
2387	25	107, 777	butyl ester, ester with diethylene glycol, mono (hydrogen carbonate), mono (isopropyl carbonate)	0	0	0	0	0
2388	25	107, 786	butyl ester, ester with diethylene glycol, mono (hydrogen carbonate), mono (1-methylheptyl carbonate)	0	0	0	0	0
2389	54		butyl ester, m-ethylcarbanilate	0	0	0	0	0
2390	25	103, 456	sec-butyl ester, hydrogen carbonate, diester	0	0	0	0	0
2391	54		butyl ester, N-methyl carbanilate	0	0	0	0	0
2392	54		butyl ester, m-nitrocarbanilate	0	0	0	0	0
2393	25	101, 563	butyl ester, octyl carbonate	0	0	0	75	100
2394	25	401, 031	butyl ester, triester with phosphoric acid	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
2395	25	400,902	2-chlorallyl ester	0	0	0	0	0
2396	25	400,905	3-chloroallyl ester	0	0	0	0	0
2397	25	400,941	2-(2-chloroethoxy)ethyl ester	0	0	0	0	0
2398	25	401,340	2-(2-chloroethoxy)ethyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2399	54		2-chloroethyl ester, carbanilate	0	0	0	0	0
2400	25	101,700	cyclohexyl ester	0	0	0	0	0
2401	25	103,475	cyclohexyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2402	54		2-(2,4-dichlorophenoxy)ethyl ester, carbanilate	0	0	0	0	0
2403	25	102,392	diester with diethylene glycol	0	0	0	0	0
2404	25	103,439	diester with diethylene glycol, ethyl carbonate	0	0	0	0	0
2405	25	103,459	dodecyl ester, butyl carbonate	0	0	0	0	0
2406	54		dodecyl ester, carbanilate	0	0	0	0	0
2407	54		N-ethylcarbamate	0	0	0	0	0
2408	25	101,663	ethyl ester, propionate	0	0	0	0	0
2409	25	103,477	2-ethylbutyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2410	25	101,778	2-ethylhexyl ester	0	0	0	0	0
2411	25	103,488	2-ethylhexyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2412	25	103,469	hexadecyl ester, ethyl carbonate	0	0	0	0	0
2413	25	101,296	hexyl ester, ethyl carbonate	0	0	0	0	0
2414	25	103,478	hexyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	100
2415	25	104,196	hexyl ester, lactate	0	0	0	0	0
2416	25	104,193	2-hexyloxyethyl ester	0	0	0	0	0
2417	25	104,206	2-hexyloxyethyl ester, hexyl carbonate	0	0	0	0	0
2418	25	104,188	5-hydroxypentyl ester	0	0	0	0	0
2419	25	103,457	isobutyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2420	25	103,493	1-isobutylisoamyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2421	25	103,446	isopropyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2422	25	103,448	2-methoxyethyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2423	25	101,730	2-methylallyl ester, propionate	0	0	0	0	0
2424	25	103,484	x-methylcyclohexyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2425	25	103,433	methyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2426	25	101,665	methyl ester, propyl carbonate	0	0	0	0	0
2427	25	400,988	methyl ester, triester with phosphoric acid	0	0	0	0	0
2428	25	107,787	1-methylheptyl ester, ester with diethylene glycol, mono (sec-butyl carbonate), mono (hydrogen carbonate)	0	0	0	0	0
2429	25	103,434	1-methylheptyl ester, lactate	0	0	0	0	0
2430	25	102,655	monoester with diethylene glycol	0	0	0	0	0
2431	25	100,380-68	nickel (II) salt	0	0	0	0	0
2432	25	103,489	octyl ester, hydrogen carbonate, diester with diethylene glycol	0	0	0	0	100
2433	25	101,671	pentyl ester	0	0	0	0	0
2434	25	101,549	pentyl ester, pentyl carbonate	0	0	0	0	0
2435	25	101,757	2-phenoxyethyl ester	0	0	0	0	0
2436	25	103,447	propyl ester,hydrogen carbonate, diester with diethylene glycol	0	0	0	0	0
2437	25	104,189	propyl ester, lactate	0	0	0	0	0
2438	25	101,511	propyl ester, propyl carbonate	0	0	0	0	0
2439	25	104,198	3,5,5-trimethylhexyl ester	0	0	0	0	0
2440	25	101,689	2-methyl-; allyl ester, acetate	0	0	0	0	0
2441	25	101,763	a. yl glycolate ester, acetate	0	0	0	0	0
2442	25	101,297	ethyl ester, pentyl carbonate	0	0	0	0	0
2443	25	101,796	2-methylallyl lactate ester, acetate	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
2444	25	510,562	Lactimide, N,N-bis(2-hydroxypropyl)-; triacetate	0	0	0	0	0
2445	25	107,771	Lactin, 1-mono-	0	0	0	0	0
2446	54		Lactonitrile; carbanilate	0	0	0	0	0
2447*	57	FW-86	3,3,3-trichloro-	0	100	100	100	100
2448	57	ER-109	benzoate	0	0	0	75	100
2449	57	ER-130	p-chlorobenzoate	0	0	0	100	100
2450	57	ER-110	crotonate	0	0	0	100	100
2451	67		Lasiocarpine	0	0	0	0	0
2452	67		Lasiocarpine-N-oxide	0	0	0	0	0
2453	57	Cr-860	Lauranilide	0	0	0	0	0
2454	46	117	Lauric acid	0	0	0	0	75
2455	57	Cr-1589	allyl ester	0	0	0	0	0
2456	57	Cr-821	2-anilinoethyl ester	0	0	0	0	0
2457	57	Cr-822	2-anilinoethyl ester, hydrochloride	0	0	0	0	0
2458	57	Cr-1602	3-bromo-2-methyl-2-thiocyanopropyl ester	0	0	0	0	0
2459	57	Cr-1598	3-bromo-2-thiocyanopropyl ester	0	0	0	0	100
2460	57	Q-75	γ-chloroallyl ester	0	0	0	0	0
2461	57	Cr-595	2-[2-chloroethoxy]ethyl ester	0	0	0	0	0
2462	57	Cr-1599	3-chloro-2-thiocyanopropyl ester	0	0	0	0	0
2463	57	Cr-1592	2,3-dibromopropyl ester	0	0	0	0	0
2464	57	Cr-1595	2,3-dichloropropyl ester	0	0	0	0	0
2465	57	Cr-591	diester with 2,2'-dithiodiethanol	0	0	0	0	0
2466	57	Cr-826	diester with 2,2'-thiodiethanol	0	0	0	0	0
2467	57	Cr-1594	1,3-dimethylbutyl ester	0	0	0	0	0
2468	57	V-57	(1,3-dinonyl-5-hexahydropyrimidyl)ester	0	0	0	0	0
2469	57	Cr-1603	2,3-dithiocyano-2-methylpropyl ester	0	0	0	0	0
2470	25	101,459	ester with butyl lactate	0	0	0	0	0
2471	25	104,488	ester with 1-carbethoxyethyl lactate	0	0	0	0	75
2472	25	103,465	ester with 1,3-dimethylbutyl lactate	0	0	0	0	0
2473	57	Cr-857	ester with 2-N-ethylanilinoethanol	0	0	0	0	0
2474	57	Cr-830	ester with N-(2-hydroxyethyl) lauranilide	0	0	0	0	0
2475	25	510,566	ester with N-(1,1,3,3-tetramethylbutyl) lactamide	0	0	0	0	0
2476	58	O-3482	glycerol monoester	0	0	0	0	0
2477	57	Cr-1590	2-methylallyl ester	0	0	0	0	0
2478	57	Cr-862	p-nitrobenzyl ester	0	0	0	0	0
2479	57	Cr-598	2-[2-(2-thiocyanoethoxy) ethoxy]ethyl ester	0	0	0	0	0
2480	25	505,912	triester with N,N-bis(2-hydroxyethyl) lactamide	0	0	0	0	0
2481	57	SM-195	Laurophenone, x,x-dihydroxy- (from resorcinol)	0	0	75	100	100
2482	63	O-4663	Lauryl alcohol, with 36 moles of ethylene oxide, condensation product	0	0	0	0	0
2483	25	Y00,060	Lauseto Neu-M-2509	0	0	0	0	0
2484*	25	001,149	Lead chloride, triphenyl-	100	100	100	100	100
2485	9		Lead fluorophosphate, mono-	0	0	0	0	0
2486	9	HH-5-106	Lead hexafluorostannate	0	0	0	0	0
2487	15		Lead nitrate (technical)	0	0	0	0	50
2488	25	800,556	Lepidine	0	0	0	0	0
2489	85		L-Leucine	0	0	0	0	0
2490	25	501,700	L-Leucine, N-(2-cyanoethyl)-	0	0	0	0	0
2491	25	507,193	D-Leucine, N-formyl-	0	0	0	0	0
2492	25	507,194	DL-Leucine, N-formyl-	0	0	0	0	0
2493	25	104,110	Levoglucosan	0	0	100	100	100
2494	25	107,791	Levopimaric acid; addition product with maleic anhydride	0	0	0	0	0
2495	57	SM-70	Levulinic acid; allyl ester	0	0	0	0	0
2496	57	SM-123	p-tert-butylphenyl ester	0	0	0	0	0
2497	25	101,886-68	nickel (II) salt	0	0	0	0	0
2498	57	SM-143	p-phenoxybenzyl ester	0	0	0	0	0
2499	57	SM-77	tetrahydrofurfuryl ester	0	0	0	0	0
2500	57	SM-268	benzylidene-; 2-ethyl-2-hexenyl ester	0	0	0	0	0
2501	25	Y00,061	Li 160	0	0	0	0	0
2502	25	Y00,144	Lithium hypochlorite; mixture with sodium chloride	0	0	0	0	0
2503	9	HH-5-127	Lithium monofluorophosphate	0	0	0	0	0
2504	25	Y00,351	Lorol thiocyanate	0	50	50	100	100
2505	67		Lupinine, d-iso-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Source No.	Submitter's code		.01	.04	.10	40	1.0
2506	67		Lupanine-N-oxide, d-iso-	0	0	0	0	0
2507	25	800,553	2,6-Lutidine	0	0	0	0	0
2508	46	332	Lutidine, 2,6-di(p-chlorobenzylidene)-	0	0	0	0	0
2509	95		d(-) Lyxose	0	0	0	0	0
2510*	87		Malachite Green	0	100	100	100	100
2511	64		Malathion (technical)	0	0	0	0	0
2512	64		Malathion (50% emulsifiable liquid)	0	0	0	0	0
2513	25	900,287	Maleamic acid; peptide condensation product	0	0	0	0	100
2514	57	Cr-1268	Maleic acid; 2-chloroethyl nordicyclopentenyl ester	0	0	0	0	0
2515	57	Q-24	2-chloroethyl 2-thiocyanoethyl ester	0	0	0	0	0
2516	35		diallyl ester	0	0	0	0	0
2517	46	30	di(p-chlorobenzyl) ester	0	0	0	0	0
2518	25	402,140	di[2-(2-chloroethoxy)ethyl] ester	0	0	0	0	0
2519	57	Cr-44	di(2-chloroethyl) ester	0	0	0	0	0
2520	25	102,088	diester with 2-ethylbutyl lactate	0	0	0	0	0
2521	57	Q-26	di(2-thiocyanoethyl) ester	0	0	0	0	100
2522	55		hydrazide (technical grade, 100% active)	0	0	0	0	0
2523	57	Cr-43	mono(2-chloroethyl) ester	0	0	0	0	0
2524			monododecyl ester, sodium salt	0	0	0	0	0
2525	54		dichloro-; anhydride	0	0	0	0	0
2526	95		DL-Malic acid	0	0	0	0	0
2527	46	272	Malonic acid, acetamido-; diethyl ester	0	0	0	0	0
2528	25	508,497	benzyl-(o-carboxybenzamido)-	0	0	0	0	0
2529	25	103,353	benzylidene-; diethyl ester	0	0	0	100	100
2530	57	H-138	bromo-; diethyl ester	0	0	0	0	0
2531	25	104,731	(2-butenyl)butyl-; diethyl ester	0	0	0	0	0
2532	25	104,996	3-butenylmethyl-; diethyl ester	0	0	0	0	0
2533	25	904,717	(m-chloroanilinomethylene)-; diethyl ester	0	0	0	0	0
2534	25	104,135	ethyl(furfuryl)-, diethyl ester	0	0	0	0	0
2535*	25	102,165	ethylidene-; diethyl ester	0	100	100	100	100
2536	25	105,556	1-ethyl-(1-methylheptyl)-; diethyl ester	0	0	0	0	0
2537	57	H-119	(2-formylpropyl)-; diethyl ester	0	0	0	0	0
2538	25	106,602	methylene-; diethyl ester	0	0	0	0	0
2539	25	103,576	phenethyl-; diethyl ester	0	0	0	0	0
2540	25	105,954	phenyl-	0	0	0	0	0
2541	25	508,496	p-Malonotoluidide	0	0	0	0	0
2542	25	103,510	Maltol	0	0	0	0	0
2543	57	ER-151	Mandelonitrile, 3,4-methylenedioxy-; benzoate	0	0	0	0	0
2544	90		Manganous acetate	0	0	0	0	0
2545	95		d-Mannitol (Mannite)	0	0	0	0	0
2546	90		Melamine	0	0	0	0	0
2547	25	800,008	Melamine, N^2,N^2,N^4,N^6-tetrakis(aminomethyl)-	0	0	75	100	100
2548	95		d(+) Melezitose Hydrate	0	0	0	0	0
2549	95		d(+) Melibose	0	0	0	0	0
2550	67		Melicopicine	0	0	0	0	0
2551	67		Melicopidine	0	0	0	0	0
2552	40		1-Menthene-6,8-diol	0	0	0	0	0
2553	90		Mercurous chloride	0	0	0	0	0
2554*	90		Mercurous nitrate	0	100	100	100	100
2555*	15		Mercury acetate	0	100	100	100	100
2556*	25	105,966	(2,3-dimethoxytetramethylene)bis-	100	100	100	100	100
2557*	15		Mercury chloride	50	100	100	100	100
2558*	90		Mercury iodide	50	100	100	100	100
2559*	90		Mercuric oxide	100	100	100	100	100
2560	90		Mercuric sulfate	0	0	0	0	0
2561*	73	LM-230	Mercurycomplex; equivalent to 30% phenyl mercury acetate	100	100	100	100	100
2562	49		Mercury compounds, methoxyethyl-; acetylide	0	0	0	0	0
2563	49		Mercury, diphenyl	0	0	100	100	100
2564	49		Metanilic acid	0	0	0	0	0
2565	57	SM-150	Methacrolein dimer; trichloroacetate	0	0	0	0	0
2566	35		Methacrylaldehyde	0	0	0	0	0
2567	46	294	Methacrylic acid; n-butyl ester	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
2568*	57	WC-71	Methane, bis(5-chloro-2-hydroxyphenyl)-; cetyldimethylamine mono salt	0	100	100	100	100
2569	25	401,515	bis(4-chlorophenoxy)-	0	75	75	100	100
2570	28	JB-12	bis(4-chlorophenoxy)-,	0	50	75	100	100
2571	57	FW-126	bis(p-chlorophenyl)-, diethoxy-	0	0	0	0	0
2572	57	SM-434	bis-(diallylamino)	0	0	0	0	0
2573	57	SM-344	bis(dibutylamino)-	0	0	0	0	0
2574	57	Cr-303	bis(4-dimethylamino-3-thiocyanophenyl)-	0	0	0	0	0
2575	57	Lo-458	bis(2-hydroxynaphthyl)-	0	0	0	100	100
2576	57	Cr-254	bis(4-methoxy-3-nitrophenyl)-	0	0	0	0	0
2577	57	WC-76	bis-(2-hydroxy-5-chlorophenyl)-,cyclohexylamine di-salt	0	0	100	100	100
2578*	57	WC-107	dimethylamine mono salt	100	100	100	100	100
2579	57	SM-426	bis-(morpholino)	0	0	0	0	0
2580	56	NP-699	bis(p-nitroanilino)trichloromethyl-	0	0	0	0	0
2581	57	ER-12	bis(3-nitro-4-chlorophenyl)	0	0	0	0	0
2582	57	FW-90	bis(2, 4, 5-trichlorophenyl)-	0	0	0	0	75
2583	31	1129	bis[2, 2, 2-tris(hydroxymethyl)ethoxy]-	0	0	0	0	0
2584	57	Q-150	bromo-di(p-chlorophenyl)-	0	0	0	100	100
2585	57	FW-109	chloro-di-p-tolyl-	0	0	0	0	100
2586	54		hexachlorocyclohexylchloro-	0	0	0	75	75
2587	57	FW-88	tri(p-chlorophenyl)-	0	0	0	0	75
2588*	57	SM-490	Methanediamine, N, N'-didodecyl-N, N'-dinonyl	0	100	100	100	100
2589	57	O-2010	Methane, diethoxy-, B, B'-bis(octylbenzyldimethyl ammonium chloride)	0	0	0	0	0
2590	57	Lo-682	Methanesulfonamide, p-chlorophenyl-, N-cyclohexyl	0	0	0	0	0
2591	57	WC-45	1,4-Methanofluorene, 2-(N-1, 1, 3, 3-tetramethylbutylthio carbamyl)-1, 2, 3, 4, 4a, 9a-hexahydro-	0	0	0	0	0
2592	25	000,397	Methanoindene, 1, 2, 4, 5, 6, 7, 8, 8-octochloro- 2, 3, 3a, 4, 7, 7a-hexahydro-	0	0	0	100	100
2593	25	000,070	4, 7-Methanoindene, 3a, 4, 7, 7a-tetrahydro-	0	0	0	0	0
2594	25	404,039	4, 7-Methanoindene-1, 8-dione, 2, 3, 3a, 4, 5, 6, 7, 7a-octa chloro-3a, 4, 7, 7a-tetrahydro-	0	0	100	100	100
2595	65		4, 7-Methanoindenone, decachlorotetrahydro-	0	0	0	100	100
2596	25	106,386	4, 7-Methanoinden-5-ol, hexahydro-	0	0	0	0	0
2597	25	106,387	4, 7-Methanoinden-5(or 6)-ol, 3a, 4, 5, 6, 7, 7a-hexahydro-; formate	0	0	0	0	0
2598	25	107,571	Methanol, tris(4-biphenylyl)-	0	0	0	0	0
2599	25	107,555	1, 4-Methanonaphthalene-5, 8-dione, 1, 4, 4a, 8a-tetrahydro-	0	0	0	0	100
2600	70	CA-18	Methenamine, n-amino; chloride	0	0	0	0	0
2601	28	JB-19	DL-Methionine	0	0	0	0	0
2602	25	905,100	N-(2-carboxyethyl)-	0	0	0	0	0
2603	25	901,510	N-(2-cyanoethyl)-	0	25	100	100	100
2604	67		5-Methoxycanthinone	0	0	0	0	0
2605	46	86	Methoxychlor (purified)	0	0	0	100	100
2606	25	800,561-A1	Methylamine; complex with ½ f. wt. fluosilicic acid	0	0	0	0	0
2607	6		silicofluoride	0	0	0	0	0
2608	70		do.	0	0	0	0	0
2609	25	803,836	pentaphenyl-	0	0	0	0	0
2610	57	Mr-24	Methyleneimine, 1, 1-diphenyl-N, N-di(1, 1, 3, 3-tetramethyl butyl)-	0	0	0	0	0
2611	94		α-Methylglucoside	0	0	0	0	0
2612	80		Methyl Orange	0	0	0	0	0
2613	80		Methyl Red	0	0	0	0	0
2614	67		4-Methylthio-canthinone	0	0	0	0	0
2615	82		Methylthionine chloride	0	0	0	0	100
2616	68		4-Methylumbelliferone	0	0	0	0	0
2617	57	Lo-49	Methylxanthic acid, carboxymethyl ester	0	0	0	0	0
2618	57	Lo-2	Methylxanthic acid; potassium salt	0	0	0	0	0
2619	68		Morin	0	0	0	0	25
2620	25	500,288-A1	Morpholine; complex with ½ f. wt. fluosilicic acid	0	0	0	0	0
2621	9		hexafluorophosphate	0	0	0	0	0
2622	25	507,541	4-abietyl-	0	0	0	0	0
2623	25	501,308	4-acetyl-	0	0	0	0	75
2624	25	507,531	4, 4'-adipyldi-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.16	.40	1.0
2625	25	502,086	4-benzoyl-	0	0	0	0	0
2626	25	507,532	4-capryl-	0	0	0	0	0
2627	70	CA-27	N- coco -N-amino; chloride	0	0	0	0	0
2628	57	V-98	N-(3-cyclohexylaminopropyl)-	0	0	0	0	0
2629	46	252	hydroxyethyl-	0	0	0	0	0
2630	25	905,121	4-(2-naphthylthioacetyl)-	0	0	0	0	0
2631	25	503,063	4-octanoyl-	0	0	0	0	0
2632	25	507,537	4-palmitoyl-	0	0	0	100	100
2633	25	901,728	4-(phenylthioacetyl)-	0	0	0	0	0
2634	57	V-175	4-2-(2-pyridyl)ethyl-.	0	0	0	0	0
2635	57	V-219	4-[2-(2-pyridylethylamino)ethyl]-	0	0	0	0	0
2636	70		silicofluoride	0	0	0	0	0
2637	25	905,123	4-[(5,6,7,8-tetrahydro-2-naphthyl)thioacetyl]-	0	0	0	0	0
2638	54		4-Morpholinecarboxylic acid; isopropyl ester	0	0	0	0	0
2639	25	510,336	3-Morpholinone	0	0	0	0	0
2640	47		Mucochloric acid; 2-chloroethyl ester	0	0	0	0	0
2641	57	Cr-861	Myristanilide	0	0	0	0	0
2642	57	Cr-696	p-benzyloxy-	0	0	0	0	0
2643	57	Cr-672	p-hydroxy-	0	0	0	0	0
2644	57	Cr-615	Myristic acid; 2-[2-(2-chloroethoxy)ethoxy]ethyl ester	0	0	0	0	0
2645	57	Cr-581	2-(2-chloroethoxy)ethyl ester	0	0	0	0	0
2646	58	O-3496	diethylene glycol monoester	0	0	0	0	0
2647	58	O-3498	glycerol-1,3-dimethyl ether ester	0	0	0	0	0
2648	58	O-3490	glycidyl ester	0	0	0	0	0
2649	57	Cr-616	2-[2-(2-thiocyanoethoxy)ethoxy]ethyl ester	0	0	0	0	100
2650	45		Myrtenol	0	0	0	0	0
2651	25	105,329	1-Naphthaldehyde, 2-ethoxy-	0	0	0	0	100
2652	90		Naphthalene	0	0	0	0	0
2653	57	Cr-1086	2,2'-bis(2-chloroethoxy)-1,1'-sulfinyldi-	0	0	0	0	0
2654	25	001,147	1-bromo-2,3-dimethyl-	0	0	0	0	75
2655	57	Cr-944	1-(2-bromoethoxy)-	0	0	0	0	75
2656	57	Cr-945	1-(2-bromoethoxy)-4-nitro-	0	0	25	100	100
2657	25	403,152	2-bromo-6-methoxy-	0	0	0	0	0
2658	46	107	dibromo-	0	0	0	0	0
2659	46	76	Naphthaleneacetic acid	0	0	0	0	0
2660	46	12	1-Naphthaleneacetic acid; p-chlorobenzyl ester	0	0	0	100	100
2661	25	106,626	2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-	0	0	0	0	0
2662	25	106,622	1,4-Naphthalenedicarboxylic acid	0	0	0	0	0
2663	25	106,649	2,3-Naphthalenedicarboxylic acid, 1,4-diphenyl-; anhydride	0	0	0	0	0
2664	25	101,082	2,3-Naphthalenediol	0	0	0	0	0
2665	68		2,7-Naphthalenediol	0	0	0	100	100
2666	25	403,517-66	1,3-Naphthalenedisulfonic acid, 7-hydroxy-; disodium salt	0	0	0	0	0
2667	25	906,696-65	2,7-Naphthalenedisulfonic acid, 3-(p-aminophenylazo)- 4,5-dihydroxy-; disodium salt	0	0	0	0	0
2668	25	401,839	1-Naphthalenemethanephosphonic acid	0	0	0	0	0
2669	25	001,067	1-Naphthalenemethanethiol	0	0	0	0	75
2670	63	O-3712	2-Naphthalenesulfonamide, N,N-dicyanoethyl-	0	0	0	0	0
2671	14		x-Naphthalenesulfonic acid, x-alkyl-; sodium salt ("Sorbit AC")	0	0	0	0	0
2672	14		do. ("Sorbit P")	0	0	0	0	0
2673	49		1-Naphthalenesulfonic acid, 4-amino-5-hydroxy-	0	0	0	0	0
2674	49		3-Naphthalenesulfonic acid, 7-amino-1-hydroxy-	0	0	0	0	0
2675	25	904,139-65	1,3,6-Naphthalenetrisulfonic acid, 9-amino-; disodium salt	0	0	0	0	0
2676	58	O-4226	Naphthenic acid; butyl ester	0	0	0	0	0
2677	8		"D"	0	0	0	0	100
2678	58	O-4228	glycol ester	0	0	0	0	50
2679	34		mercury salt, 25% Hg ("Nuodex Mercury 25%")	0	0	0	100	100
2680	34		mercury salt, 15% Hg, mixed with cresol ("AD-IT")	0	50	100	100	100
2681*	49		phenyl mercuric ester	100	100	100	100	100
2682	58	O-4230	tetrahydrofurfuryl ester	0	0	0	0	0
2683	57	Cr-37	chloro-	0	0	0	0	0
2684	57	Cr-38	dichloro-	0	0	0	0	0
2685	25	107,554	1-Naphthoic acid, 2-hydroxy-	0	0	0	0	0
2686	25	508,464	8-nitro-	0	0	0	0	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
2687	25	101,084	2-Naphthoic acid	0	0	0	0	0
2688	25	103,630	6,7-dimethoxy-4-(3,4-dimethoxyphenyl)-3-hydroxymethyl-1,2,3,4-tetrahydro-; γ-lactone (from a-conidendrin)	0	0	0	0	0
2689	46	25	1-hydroxy-; p-chlorobenzyl ester	0	0	0	100	100
2690	46	27	3-hydroxy-; p-chlorobenzyl ester	0	0	0	0	0
2691	25	103,629	6-hydroxy-4-(4-hydroxy-3-methoxyphenyl)-3-hydroxymethyl-7-methoxy-1,2,3,4-tetrahydro-; (from a-conidendrin)	0	0	0	0	0
2692	25	400,841	3-hydroxy-7-sulfo-	0	0	0	0	0
2693	49		3-Naphthoic acid, 1-amino-	0	0	0	0	0
2694			2-hydroxy-; hydrazide	0	0	0	0	0
2695	58	O-183-a	1-Naphthol; 2,4-dichloro-	0	0	0	100	100
2696	80		B-Naphthol, N. F.	0	0	0	0	0
2697	25	403,150	6-bromo-	0	0	0	0	0
2698	25	104,915	cis-decahydro-	0	0	0	0	0
2699	25	403,757	1,6-dibromo-	0	0	0	75	100
2700	57	Lo-757	1-dimethylaminomethyl	0	0	0	100	100
2701	57	Cr-241	1-nitro-	0	0	0	0	0
2702	57	Cr-242	a-nitroso	0	0	75	100	100
2703	57	Lo-463	1-piperidinomethyl-	0	0	0	0	100
2704	58	O-2265-a	tribromo-	0	0	0	100	100
2705*	54		x,x-Naphthoquinone	0	100	100	100	100
2706*	52		2,3-dichloro-	0	100	100	100	100
2707	57	WC-37	5,6,7,8,9,9-hexachloro-5,8-methano-4a,5,8,a-tetrahydro	0	0	0	50	100
2708*	25	100,251	1,2-Naphthoquinone	0	100	100	100	100
2709*	55		1,4-Naphthoquinone, 2,3-dichloro- ("Phygon-XL", 50% active)	100	100	100	100	100
2710*	55		do. ("Phygon Technical", 95% active)	75	100	100	100	100
2711	57	Q-189	9,9-dimethoxy-5,8-endomethylene-5,6,7,8-tetrachloro-5,6,7,8-tetrahydro-	0	0	0	0	100
2712	68		2-methyl-	0	0	0	100	100
2713	25	107,553	4a,5,8,8a-tetrahydro-	0	0	100	100	100
2714	91		1,2-Naphthoquinone-4-sulfonic acid	0	0	0	0	0
2715	49		ammonium salt	0	0	0	0	0
2716	87		Naphthoresorcin	0	0	0	0	0
2717	46	219	1-Naphthylamine	0	0	0	0	0
2718	49		compound with 1,3,5-trinitrobenzene	0	0	0	0	0
2719	46	221	N-phenyl-	0	0	0	100	100
2720*	58	O-68	2-Naphthylamine, N-phenyl-	25	100	100	100	100
2721	38	F-1136	Naphthylamine, phenyl beta	0	0	0	0	50
2722	57	Lo-758	1-Naphthylmethanesulfonic acid, 2-hydroxy-, sodium salt	0	0	0	0	0
2723	49		Naringenin	0	0	0	0	0
2724	25	X00,400-01	Nickel (II) chlorate; hexahydrate	0	0	0	0	0
2725	25	X00,403	Nickel (II) selenate	0	0	0	0	0
2726	25	X00,404	Nickel (II) tungstate	0	0	0	0	0
2727	90		Nickelous chloride	0	0	0	0	0
2728	25	800,203	1-Nicotine (naturally occurring form)	0	0	0	0	0
2729	25	800,203-A5	Nicotine; complex with ½ f. wt. of cadmium thiocyanate	0	0	0	0	0
2730	25	800,203-A3	complex with 1 f. wt. copper (I) thiocyanate	0	0	0	100	100
2731	25	800,203-B2	complex with 1 f. wt. of thiocyanic acid and ½ f. wt. of cadmium thiocyanate	0	0	0	0	0
2732	25	800,203-A6	complex with 1 f. wt. of thiocyanic acid and ½ f. wt. of copper (II) thiocyanate	0	0	0	75	100
2733	25	800,203-A8	complex with 1 f. wt. of thiocyanic acid and ½ f. wt. of manganese (II) thiocyanate	0	0	0	0	0
2734	25	800,203-C2	complex with ½ f. wt. of zinc thiocyanate	0	0	0	0	0
2735	90		Nicotine sulfate	0	0	0	0	0
2736	46	293	Nicotinic acid	0	0	0	0	0
2737	25	500,841	2-amino-	0	0	0	0	0
2738	25	501,300-10	6-amino-; monohydrochloride	0	0	0	0	0
2739	25	800,473-12	Nicotinium compounds; dibutyl——dibromide	0	0	0	0	0
2740	25	800,456-13	dimethyl——diiodide	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
2741	9C		Nigrosin	0	0	0	0	0
2742	46	276	Ninhydrin	0	0	0	0	0
2743	63	O-3507	Nitrobenzene, keryl-	0	0	0	0	0
2744	57	SM-564	Nonane, 1,1-bis(3-nonyl-2-octylhexahydropyrimid-1-yl)	0	0	0	0	0
2745	25	102,070	Nonanoic acid; ester with allyl lactate	0	0	0	0	0
2746	57	SM-30	2-Nonanone, 3-methyl-4-thiocyano-	0	0	0	0	0
2747	25	106,644	1,3,6,8-Nonatetraen-5-one, 1,9-diphenyl-	0	0	0	0	0
2748	57	SM-37	3-Nonen-2-one, 3-methyl- (and 3-amyl-3-penten-2-one)	0	0	0	0	0
2749	56		Nonic 218	0	0	0	0	0
2750	57	Q-253	Nonylamine, N-methyl-	0	0	0	0	0
2751	57	SM-577	N-nonylidene	0	0	0	0	0
2752	25	801,587-A1	N-(1,1,3,3-tetramethylbutyl)-; complex with ½ f. wt. fluosilicic acid	0	0	0	100	100
2753*	57	Q-296	1-Nonyne, 3-dimethylamino-	0	100	100	100	100
2754	57	Q-281	7-Nonyne, 2,2,4-trimethyl-6,9-dimethylamino-9-(p-chloro-phenyl)	0	0	0	100	100
2755	57	Cr-1237	Nordicyclopentane, x-bromo-x,x-dichloro-	0	0	0	0	0
2756	25	508,501	Octadecanamide, N-benzyl-	0	0	0	0	0
2757	25	508,072	N-(hydroxymethyl)-	0	0	0	0	0
2758	25	508,084	N,N'-m-phenylenebis-	0	0	0	0	0
2759	25	508,088	N,N'-5,4-tolylenebis-	0	0	25	100	100
2760	57	V-168	Octadecanamidine, N,N-dimethyl, hydrochloride	0	0	50	100	100
2761	57	Cr-29	Octadecanoic acid, 9-chloro-	0	0	0	0	0
2762	57	Cr-35	8,9-dichloro-	0	0	0	0	0
2763	25	400,202-65	x-(4-ethyl-3-sulfophenyl)-; disodium salt	0	0	0	0	0
2764	25	107,780	12-hydroxy-	0	0	0	100	100
2765	25	107,782	methyl ester	0	0	0	100	100
2766	25	107,796	triglyceride	0	0	0	0	0
2767	25	400,042	1-Octadecanone, 1-(2-thienyl)-	0	0	0	0	0
2768*	58	O-5734	9-Octadecenylamine, N,N-dimethyl-	0	100	100	100	100
2769	11		n-Octanenitrile ("Armeel 8D")	0	0	0	0	0
2770	57	Cr-653	Octanoic acid; 4-tert-butyl-2-nitrophenyl ester	0	0	0	0	0
2771	57	Cr-579	2-(2-chloroethoxy)ethyl ester	0	0	0	0	0
2772	57	ER-141	1-cyano-2-ethylhexyl ester	0	0	25	100	100
2773	57	ER-96	2-cyano-2-propyl ester	0	0	0	0	0
2774	57	ER-104	ester with 2-hydroxydecanenitrile	0	0	0	25	75
2775	57	ER-129	ester with 2-hydroxy-2-methyloctanenitrile	0	0	0	75	100
2776	57	ER-101	ester with 2-hydroxy-3-pentenenitrile	0	0	0	0	0
2777	57	ER-114	ester with B,B,B-trichlorolactonitrile	0	0	0	0	75
2778	25	100,523-68	nickel (II) salt	0	0	0	0	0
2779	57	Cr-904	p-nitrobenzyl ester	0	0	0	0	0
2780	57	Cr-658	p-nitrophenyl ester	0	0	0	0	0
2781	57	Cr-668	o-nitro-p-1,1,3,3-tetramethylbutylphenyl ester	0	0	0	0	0
2782	57	Cr-583	2-(2-thiocyanoethoxy)ethyl ester	0	0	0	0	0
2783	57	Cr-576	2-thiocyanoethyl ester (German acid)	0	0	0	0	0
2784	25	506,709-10	2-amino-; ethyl ester, hydrochloride	0	0	0	0	0
2785	57	SM-256	2-bromo-	0	0	0	0	0
2786	25	104,944	1-Octanol, 3,7-dimethyl-	0	0	0	100	100
2787	57	Cr-1650	2-Octanol phosphite	0	0	0	0	0
2788	57	Cr-1831	Octanophenone, 5-chloro-2-hydroxy-	0	0	0	100	100
2789	57	SM-271	2,4,6-Octatrienamide, N-heptyl-	0	0	0	0	0
2790	57	SM-279	2,4,6-Octatrienoic acid; B-tert-butoxyethyl ester	0	0	0	0	0
2791	57	V-210	2-Octeneamine, N-(1,1,3,3-tetramethylbutyl)-5,5,7,7-tetramethyl-	0	75	75	100	100
2792	57	SM-304	4-Octen-1-yne, 3-acetoxy-4-ethyl-	0	0	0	0	0
2793	57	SM-287	4-ethyl-3-hydroxy-	0	0	0	0	0
2794	57	SM-299	4-ethyl-3-sorboxy-	0	0	0	0	100
2795	49		Octofolline	0	0	0	50	100
2796	25	800,863-A1	Octylamine; complex with ½ f. wt. fluosilicic acid	0	0	0	0	0
2797	57	WC-98	t-Octylamine, N-butylcarbityl-	0	0	0	0	0
2798	57	Mr-20	N-(2-hydroxy-1-methylethyl)-	0	0	0	0	0
2799	57	Mr-19	N-(2-hydroxy-1-vinylethyl)-	0	0	0	0	0
2800	57	WC-54	N-phenylcarbitol-	0	0	0	0	75

Table 1 --Bioassays of chemical compounds listed alphabetically (Continued)

Chemical: Identification number: Laboratory No.	Submitter: Source No.	Submitter: Submitter's code	Technical name	Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.): .01	.04	.10	.40	1.0
2801*	57	V-311	1-Octylamine, N-(2-phenoxyethyl)-	0	100	100	100	100
2802	57	FW-163	Octylphenol-formaldehyde polymer and cyclohexylamine	0	0	0	0	0
2803	57	Cr-1085	Octyl phosphate	0	0	0	0	0
2804	25	000,096	Octyl sulfide	0	0	0	0	0
2805	57	Q-295	1-Octyne, 3-di-n-butylamino-5,7,7-trimethyl-	0	0	0	0	0
2806	57	Q-286	3-diethanolamino-5,7,7-trimethyl-	0	0	0	0	0
2807	57	Q-250	3-dimethylamino-5,7,7-trimethyl-	0	0	0	0	0
2808	57	Q-305	3-di(3',5',5'-trimethylhexyl)amino-5,7,7-trimethyl-	0	0	0	50	100
2809	57	SM-339	4-ethyl-3-hydroxy-	0	0	0	0	0
2810	57	Q-302	3-[methyl-(2-dimethylaminoethyl)amino]-6,7,7-trimethyl-	0	0	0	0	100
2811	57	Q-306	3-[methyl-(3',5',5'-trimethylhexyl)amino]-5,7,7-trimethyl-	0	0	0	0	0
2812	57	O-1702	3-morpholino-5,7,7-trimethyl	0	0	0	0	0
2813	57	Q-300	4-Octyne, 3,6-bis-dimethylamino-2,7-dimethyl-	0	0	0	0	100
2814	57	Cr-680	Oleanilide, p-chloro-	0	0	0	0	0
2815	57	Cr-695	o-nitro-	0	0	0	0	0
2816	57	Cr-895	Oleic acid; 4-tert-butyl-2,6-dinitrophenyl ester	0	0	0	0	0
2817	57	Cr-670	p-tert-butyl-o-nitrophenyl ester	0	0	0	0	0
2818	57	Cr-603	2-[2-(2-chloroethoxy)ethoxy]ethyl ester	0	0	0	0	0
2819	63	O-6317-C	diester of Pluronic F-68	0	0	0	0	0
2820	63	O-6317-B	monoester of Pluronic F-68	0	0	0	0	0
2821	57	Cr-669	p-nitrophenyl ester	0	0	0	0	0
2822	57	Cr-674	o-nitro-p-1,1,3,3-tetramethylbutylphenyl ester	0	0	0	0	0
2823*	34		phenylmercury salt, 10% Hg ("Nuodex PMO 10")	50	100	100	100	100
2824	57	SM-6	sodium salt	0	0	0	0	0
2825	57	Cr-613	2-[2-(2-thiocyanoethoxy)ethoxy]ethyl ester	0	0	0	0	0
2826	57	Cr-611	2-thiocyanoethyl ester	0	0	0	0	0
2827	63	O-4631	Oleic acids; with 21 moles of ethylene oxide, condensation product	0	0	0	0	0
2828	57	Cr-678	p-Oleotoluidide	0	0	0	0	0
2829	25	104,322	Opianic acid	0	0	0	0	0
2830	46	292	Orcinol	0	0	0	0	0
2831	46	78	Ovatran K-6451	0	0	0	0	0
2832	57	Q-49	7-Oxabicyclo[4.1.0]heptene	0	0	0	0	0
2833	57	Lo-679	Oxacyclohexane-3,5-dione, 4-isovaleryl-	0	0	0	0	0
2834	80		Oxalic acid	0	0	0	0	0
2835	25	100,687-66	hemicopper (II) salt with 1 f.wt. disodium oxalate dihydrate	0	0	0	100	100
2836	25	100,687-A2	monoaminezinc complex, trihydrate	0	0	0	0	0
2837	57	Lo-60	dithio-; dihydrazide, dihydrochloride	0	0	0	0	0
2838	49		Oxamide, N,N'-dicyclohexyl-	0	0	0	0	0
2839	49		N,N'-diisopropyl-	0	0	0	0	0
2840	57	V-68	dinonyl-	0	0	0	0	0
2841	25	803,317-10	Oxamidine, N,N''-diisopropyl-; dihydrochloride	0	0	0	0	0
2842	25	803,322	N,N',N'',N'''-tetrapropyl-	0	0	0	0	0
2843	57	Cr-1108	Oxanilic acid	0	0	0	0	0
2844	57	Cr-1109	copper (II) salt	0	0	0	100	100
2845	57	Cr-1104	2'-carboxy-	0	0	0	0	0
2846	57	Cr-1105	copper (II) salt	0	0	0	100	100
2847	57	Cr-438	1,3-Oxathiole, 2-imino-4,5-diphenyl-	0	0	0	0	0
2848	57	Lo-405	Oxazolidine, 2-acetonyl-2-methyl-	0	0	0	0	0
2849	25	500,042	2-Oxazoline, 2-hendecyl-	0	0	0	0	100
2850	25	508,486	2-Oxazolin-5-one, 4-benzylidene-2-phenyl-	0	0	0	0	0
2851	58	O-5988	1a-Oxir[a]indene, 6,6a-dihydro-	0	0	0	0	0
2852	76		Ozene	0	0	0	0	0
2853	58	O-3503	Palmitic acid; glycol monoester	0	0	0	0	0
2854	57	Cr-905	p-nitrobenzyl ester	0	0	0	0	0
2855	49		Parabanic acid	0	0	0	0	0
2856	52		Paraffin, nitro-; insecticide ("Di'an") (25% active)	0	0	0	0	0
2857	31		Patulin	0	0	0	100	100
2358	56	NP-1155	Pennsylvania Salt NP-1155	0	0	0	0	0
2859	57	Q-280	7-Pentadecyne, 2,2,4-trimethyl-6,9-dimethylamino-	0	0	0	100	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical: Identification number: Laboratory No.	Chemical: Identification number: Submitter: Source No.	Chemical: Identification number: Submitter: Submitter's code	Chemical: Technical name	Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.): .01	.04	.10	.40	1.0
2860	57	SM-170	1,3-Pentadiene, 4-acetoxy-2-methyl-	0	0	0	0	0
2861	54		Pentaerythritol	0	0	0	0	0
2862	63	O-4211	with propylene oxide, mol. wt. 975, condensation product	0	0	0	0	0
2863	63	O-4306	with propylene oxide, mol. wt. 2385, plus 97 wt. percent ethylene oxide, condensation product	0	0	0	0	0
2864	56	6292	Pentalarm	0	0	0	0	0
2865	25	001,053	Pentane, 1,2,3,4-tetrabromo-	0	0	0	0	0
2866	68		2,2,4-trimethyl	0	0	0	0	0
2867	63	O-4259	1,5-Pentanediol, with propylene oxide, mol. wt. 1476, condensation product	0	0	0	0	0
2868	63	O-4334	with propylene oxide, mol. wt. 1476, plus 101 wt. percent ethylene oxide, condensation product	0	0	0	0	0
2869	25	100,339	1,3-Pentanediol, 2-methyl-	0	0	0	0	0
2870	25	100,308	2,4-Pentanediol, 2-methyl-	0	0	0	0	0
2871	25	102,414	1,3-Pentanedione, 2,2,4-trimethyl-	0	0	0	0	0
2872	49		2,4-Pentanedione	0	0	0	0	0
2873	49		iron salt	0	0	0	0	0
2874	25	100,351-68	nickel (II) derivative	0	0	0	0	0
2875*	49		phenylmercurate	75	100	100	100	100
2876	57	Q-62	3-(1-hydroxy-2,2,2-trichloroethyl)-	0	0	0	0	0
2877	25	507,515	1,2,3,4,5-Pentanopentol, 1-(2-benzimidazolyl)-; D-glucoside	0	0	0	0	0
2878	25	100,185	2-Pentanone, 5-hydroxy-	0	0	0	0	0
2879	25	103,203	4-methyl-1-phenyl-	0	0	0	0	0
2880	57	Cr-1604	4-methyl-x,x,x-trichloro-	0	0	0	0	0
2881	57	Cr-1605	4-methyl-x,x,x,x-tetrachloro-	0	0	0	0	0
2882	25	105,512	3-Pentanone, 1,5-diphenyl-	0	0	0	0	0
2883	57	V-313	5,7,10,13,15-Pentaazanonadecane-6,14-dione, 5,10,15-tris (2-ethylhexyl)-	0	0	0	0	0
2884	57	SM-379	x-Pentenamide, N-isobutyl-5-butylmercapto-	0	0	0	0	0
2885	57	SM-405	1-Pentene, 3-hydroxy-4-methyl-	0	0	0	0	0
2886	57	ER-125	3-Pentenenitrile, 2-hydroxy-; p-chlorobenzoate	0	0	0	0	0
2887	57	ER-122	2-hydroxy-; crotonate	0	0	0	0	0
2888	57	ER-142	furoate	0	0	0	0	0
2889	57	SM-358	2-Pentenoic acid, 5-methylmercapto-	0	0	0	0	0
2890	25	506,006	3-Pentenoic acid, 2-cyano-3-ethyl-2-methyl-; ethyl ester	0	0	0	0	0
2891	57	Mr-10	Pentylideneimine, 1-cyclohexyl-3-ethyl-	0	0	0	0	0
2892	57	V-140	1-Pentyne, 3-chloro	0	0	0	0	0
2893	57	Q-127	3-Pentyn-2-ol, 2-p-chlorophenyl-5-dimethylamino	0	0	0	0	0
2894*			Percarbamic acid, dimethyltrithio-; butyl ester	100	100	100	100	100
2895*	72	MPD 2793	dimethyltrithio-; t-butyl ester	0	100	100	100	100
2896*	25	Y00,062	Perdikoflin	0	100	100	100	100
2897	57	Cr-89	Perthiocyanic acid	0	0	0	0	0
2898			copper (II) salt	0	0	0	0	0
2899	25	500,613-10	Phemerol	0	0	0	75	100
2900	25	000,072	Phenanthrene	0	0	0	0	100
2901	25	500,245-10	9-Phenanthrenemethanol, a-(dipentylaminomethyl)-1,2,3,4-tetrahydro-; hydrochloride	0	0	0	100	100
2902*	88		1-10 Phenanthroline, 4,7-diphenyl-	100	100	100	100	100
2903	58	O-65	Phenazine	0	0	0	0	0
2904	54		Phenethyl alcohol; carbanilate	0	0	0	0	0
2905	58	O-5893	p-iso-butoxy-	0	0	0	0	0
2906	12		d-Phenethylamine, N,a-dimethyl-; hydrochloride (U.S.P.)	0	0	0	0	0
2907	12		a-methyl-; sulfate	0	0	0	0	0
2908	46	242	m-Phenetidine	0	0	0	0	0
2909	28	JB-17	p-Phenetidine	0	0	0	0	0
2910	49		Phenetole, 4-amino-3-nitro-	0	0	0	0	0
2911	57	Cr-913	B-bromo-4-tert-butyl-2-nitro-	0	0	0	0	0
2912	57	Cr-935	B-bromo-2-cyclohexyl-4-nitro-	0	0	0	0	100
2913	57	Cr-896	B-bromo-2-(2-methylallyl)-	0	0	0	0	0
2914	57	Cr-942	B-bromo-4-nitro-	0	0	0	0	0
2915	57	Cr-385	4-tert-butyl-B-chloro-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
2916	57	Cr-659	4-tert-butyl-B-chloro-2-nitro-	0	0	0	0	0
2917	57	Cr-933	B-chloro-2-cyclohexyl-	0	0	0	100	100
2918	57	Cr-507	B-chloro-4-(1, 1-dimethylpropyl)-	0	75	75	100	100
2919	57	Cr-510	B-chloro-x-methyl-	0	0	0	0	0
2920	57	Cr-407	B-chloro-2-methyl-	0	0	0	0	0
2921	57	Cr-632	B-chloro-2-(1-methylheptyl)-	0	0	0	0	0
2922	57	Cr-372	B-chloro-4-nitro-	0	0	0	0	0
2923	25	401, 996	B-chloro-2-phenyl-	0	0	0	50	100
2924	57	Cr-408	do.	0	0	0	0	0
2925	57	Cr-386	4, B-dichloro-	0	0	0	0	0
2926	57	Cr-564	B, B'-dichloro-4, 4'-sulfinyldi-	0	0	0	100	100
2927	57	Cr-565	B, B'-dichloro-4, 4'-sulfonyldi-	0	0	0	0	0
2928	58	O-226-a	4-iodo-	0	0	0	0	0
2929	57	Cr-963	2-nitro-B, 4, 6-tribromo-	0	0	0	0	0
2930	54		2, 3, 5, 6-tetrachloro-	0	0	0	0	0
2931	57	Cr-957	B, 2, 4-tribromo-	0	0	0	0	75
2932	15		Phenobarbital (U.S.P. XIV powder)	0	0	0	0	0
2933	47		Phenol Merc	0	0	0	0	0
2934	63	O-5582	Phenol; alkylene oxide, condensation product	0	0	0	0	0
2935	63	O-5582-C	with styrene oxide, mol. wt. 216, condensation product	0	0	0	0	0
2936	63	O-5582-H	with styrene oxide, mol. wt. 534, condensation product	0	0	0	0	0
2937	57	SM-272	2-acetyl-4-methyl-	0	0	0	0	0
2938	25	500, 056	2-amino-	0	0	0	50	100
2939	57	Cr-885	p-toluenesulfonate ester	0	0	0	0	0
2940	46	212	3-amino-	0	0	0	0	0
2941	49		2-amino-4-nitro-	0	0	0	0	0
2942	25	500, 209	4-amino-2-phenyl-	0	0	50	100	100
2943	31	295	p-benzyl-	0	0	0	0	0
2944	57	Cr-1146	2-bromo-4-tert-butyl-; p-toluenesulfonate	0	0	0	0	50
2945	57	Cr-1041	x-bromo-x-(1-methylheptyl)-x-nitro-	0	75	100	100	100
2946	57	Cr-1043	x-bromo-2-(1-methylheptyl)-x-nitro-; acetate	0	0	0	100	100
2947	25	400, 703-65	2-bromo-4-phenyl-; sodium derivative	0	0	0	0	75
2948	54		x-(2-butenyl)-	0	0	0	0	0
2949	54		4-(2-butenyl)-	0	0	0	0	0
2950	54		2-butyl-	0	0	0	0	25
2951	54		4-butyl-	0	0	0	0	0
2952	25	106, 610	4-sec-butyl-	0	0	0	0	0
2953	46	64	4-tert-butyl-	0	0	0	0	0
2954	57	Cr-540	acetate	0	0	0	0	0
2955	57	Cr-871	p-toluenesulfonate	0	0	0	25	100
2956	58	O-60-a	4-tert-butyl-2-chloro-	0	0	0	0	0
2957	28	JB-11	2-sec-butyl-4, 6-dinitro-	0	0	0	25	75
2958	28		2-sec-butyl-x, x-dinitro- ("Dow General Weed Killer")	0	0	0	0	0
2959	57	Cr-516	4-tert-butyl-2, 6-dinitro-	0	0	0	0	0
2960	57	Cr-517	acetate	0	0	100	100	100
2961	57	Cr-893	compound with pyridine	0	0	0	0	0
2962	57	Cr-1007	copper (II) derivative	0	0	0	0	100
2963	57	Cr-518	sodium salt mixture with diphenylmethane	0	0	0	0	0
2964	57	Cr-1001	p-toluenesulfonate	0	0	0	0	100
2965	25	107, 559	2-tert-butyl-4-isopropyl-	0	0	0	0	0
2966	57	Cr-556	4-tert-butyl-2-nitro-	0	0	0	0	0
2967	57	Cr-639	potassium derivative	0	0	0	0	0
2968	57	Cr-1000	p-toluenesulfonate	0	0	0	0	0
2969	54		x-butyl-x, x, x, x-tetrachloro-; mixture of isomers	0	0	0	0	0
2970*	57	WC-73	2-capryl-; salt with cetyldimethylamine	0	100	100	100	100
2971	57	SM-135	2-capryl-6-crotonyl-	0	0	0	0	100
2972*	57	WC-70	x-capryl-x, x-dinitro; salt with cetylamine, N, N-dimethyl	0	100	100	100	100
2973	28		4-chloro-	0	0	0	0	0
2974*	57	WC-72	cetyldimethylamine salt	0	100	100	100	100
2975	57	Cr-873	p-toluenesulfonate	0	0	0	0	0
2976	77		x-chloro-	0	0	0	0	0
2977	57	FW-157	4-chloro-, 2, 6-dihexyl-	0	0	0	100	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Source No.	Submitter's code		.01	.04	.10	.40	1.0
2978	25	403, 276	2(?)-chloro-4, 6-diisopropyl-	0	0	0	0	100
2979	25	900, 567	2-chloro-4, 6-dinitro-	0	0	0	0	0
2980	28		do.	0	0	0	0	0
2981	57	Cr-1280	do.	0	0	0	0	0
2982*	49		2-chloromercuri-	100	100	100	100	100
2983*	49		4-chloromercuri-	0	100	100	100	100
2984	19		(4-chloro)2, 2-methylene bis	0	0	75	100	100
2985	57	Cr-1046	x-chloro-2-(1-methylheptyl)-	0	0	0	100	100
2986	57	Cr-1572	x-(x-chloro-1-methylheptyl)-x, x-dichloro-	0	0	0	100	100
2987	57	Cr-1047	x-chloro-2-(1-methylheptyl)-x-nitro-	0	0	100	100	100
2988	57	Cr-1048	acetate	0	0	0	100	100
2989	25	403, 299	4(?)-chloro-3-pentadecyl-	0	0	0	0	0
2990	46	177	x-chloro-2-phenyl-	0	0	0	0	0
2991	28		4- and 6-chloro-2-phenyl- ("Dowicide 31")	0	0	0	0	0
2992	31	857	2-chloro-4-phenylazo-	0	0	0	0	0
2993	57	Cr-1049	2-chloro-4-(1, 1, 3, 3-tetramethylbutyl)-	0	0	0	0	100
2994	19		(4-chloro)2, 2-thio bis	0	25	100	100	100
2995	28	JB-10	o-cyclohexyl-,	0	0	0	0	0
2996	28		2-cyclohexyl-x, x-dinitro- ("DN dry mix No. 1")	0	0	0	0	100
2997	58	O-157-d	2-cyclohexyl-4, 6-dinitro-	0	0	0	100	100
2998	57	Cr-426	4-cyclohexyl-2, 6-dinitro-; acetate	0	0	0	100	100
2999	54		o-cyclopentenyl-	0	0	0	0	50
3000	54		p-cyclopentenyl-	0	0	0	0	0
3001	57	Cr-955	2, 6-dibromo-4-(1, 1, 3, 3-tetramethylbutyl)-	0	0	0	0	100
3002	57	Cr-962	2, 6-dibromo-4-(1, 1, 3, 3-tetramethylbutyl)-; acetate	0	0	0	0	0
3003	28	JB-5	2, 4-di-tert-butyl-,	0	0	0	0	50
3004	25	400, 294	2, 4-dichloro-	0	0	0	0	0
3005	28		do.	0	0	0	0	0
3006	62		2, 4-dichloro-o-nitro-	0	0	0	0	0
3007	54		x, x-dichloro-x-butenyl-; mixture of isomers	0	0	0	0	0
3008	25	403, 288	2(?), 6(?)-dichloro-4-nonyl-	0	0	0	100	100
3009	25	403, 153	2, 4-dichloro-6-phenyl-	0	0	0	0	0
3010	25	106, 377	x, x-dihexyl-; mixture of hexyl isomers	0	0	0	100	100
3011	57	Cr-715	4-(1, 1-dimethylpropyl)-2-nitro-	0	0	0	0	0
3012	57	Cr-717	acetate	0	0	0	0	0
3013	57	Cr-952	sodium derivative	0	0	0	0	0
3014	25	500, 138	2, 4-dinitro-	0	0	0	0	0
3015	57	Cr-426	2, 4-dinitro-6-hexyl-	0	0	0	100	100
3016	57	Cr-425	2, 6-dinitro-4-hexyl-; sodium derivative	0	0	0	0	0
3017	57	Cr-352	2, 4-dinitro-6-methyl-; sodium salt	0	0	0	0	0
3018*	57	Cr-1639	x, x-dinitro-x-(1-methylheptyl)-; crotonate	0	100	100	100	100
3019	28		2, 4-dinitro-6-phenyl-	0	0	0	0	0
3020	57	Cr-541	do.	0	0	0	0	0
3021	57	Cr-999	2, 6-dinitro-4-(1, 1, 3, 3-tetramethylbutyl)-; copper (II) derivative	0	0	0	100	100
3022	57	Cr-346	sodium salt	0	0	0	0	75
3023	57	Cr-1002	p-toluenesulfonate	0	0	0	0	0
3024	57	Cr-984	x, x-dipentyl-x-nitro-	0	0	0	0	75
3025	57	Cr-988	acetate	0	0	0	0	75
3026	58	O-4767-a	x, x-distyryl-	0	0	0	0	100
3027	25	106, 378	4-dodecyl-; mixture of dodecyl isomers	0	75	100	100	100
3028	1		3-isopropyl-	0	0	0	0	0
3029	25	106, 604	do.	0	0	0	0	0
3030	1		4-isopropyl-	0	0	0	0	0
3031	57	FW-134	4, 4'-(isopropylidene)di-2, 2'-dinitro-	0	0	0	0	0
3032	57	Cr-406	2-(2-methylallyl)-	0	0	0	0	0
3033	57	Cr-666	acetate	0	0	0	0	0
3034	57	Cr-874	p-toluenesulfonate	0	0	0	0	0
3035	57	Cr-936	2-(2-methylallyl)-4-nitro-	0	0	0	0	0
3036	68		methylamino-; sulfate	0	0	0	100	100
3037	28	JB-26	2, 4, 6-tris(a-methylbenzyl)-,	0	0	0	0	100
3038	25	107, 569	2, 2'-methylenebis(6-tert-butyl-4-isopropyl)-	0	0	0	0	0
3039	25	101, 092	x-(10-methylhendecyl)-	0	0	0	100	100
3040	57	Cr-1829	x-(1-methylheptyl)-; crotonate	0	0	0	0	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number								
Laboratory No	Submitter Source No.	Submitter's code	Technical name	.01	.04	.10	.40	1.0
3041	57	Cr-626	4(?)-(1-methylheptyl)-; tert. phosphite ester	0	0	0	0	100
3042	57	Cr-1006	x-(1-methylheptyl)-x-nitro-; p-toluenesulfonate	0	0	0	0	0
3043	57	Cr-1005	2-(1-methylheptyl)-x-nitro-; acetate	0	0	0	100	100
3044*	57	Cr-640	4(?)-(1-methylheptyl)-2(?)-nitro-	0	100	100	100	100
3045	25	500,147	4-(2-naphthylamino)-	0	0	0	50	100
3046	25	508,472	2-nitro-4-phenylazo-	0	0	0	0	0
3047	25	508,471	4-(4-nitrophenylazo)-	0	0	0	0	0
3048	57	Cr-808	p-nitroso-; acetate	0	0	0	0	0
3049	57	Cr-648	2-nitro-4-(1,1,3,3-tetramethylbutyl)-; acetate	0	0	0	75	100
3050	57	Cr-667	potassium derivative	0	0	0	0	0
3051*	46	178	x-nonyl-	75	100	100	100	100
3052	57	V-167	pentachloro N-cyanomethyl-t-octylammonium salt	0	0	0	100	100
3053	28	JB-13	pentachloro-.	0	0	0	100	100
3054	57	Cr-422	3-(2-phenoxyethoxy)-	0	0	0	0	0
3055	57	Cr-431	sodium salt	0	0	0	0	0
3056	25	100,538	2-phenyl-	0	0	0	0	0
3057	57	Cr-539	2-phenyl-; acetate	0	0	0	0	0
3058	77		sodium chlorinated	0	0	0	0	0
3059	28		sodium salt ("Dowicide A")	0	0	0	0	0
3060	25	400,098	2,4'-sulfonyldi-	0	0	0	0	0
3061	25	400,099	4,4'-sulfonyldi-	0	0	0	0	0
3062	28		2,3,4,6-tetrachloro- ("Dowicide 6")	0	0	0	0	0
3063	54		do.	0	0	0	0	0
3064	57	Cr-880	4-(1,1,3,3-tetramethylbutyl)-; sodium derivative	0	0	0	0	75
3065	57	Lo-706	4-(1,1,3,3-tetramethylbutyl)-2-(1,1,3,3-tetramethylbutylaminomethyl)-; 2-indene phosphonate	0	0	0	100	100
3066	57	Cr-370	2,2'-thiobis[4-tert-butyl-	0	0	0	100	100
3067	59	CP3438-(8)	2,2'-thiobis[4,6-dichloro- ("Actamer")	0	0	100	100	100
3068*	38	BL	do.	0	100	100	100	100
3069	28		2,4,5-trichloro- ("Dowicide 2")	0	0	0	0	0
3070	54		do.	0	0	0	0	0
3071	28		2,4,6-trichloro- ("Dowicide 25")	0	0	0	0	0
3072	54		do.	0	0	0	0	0
3073	58	O-142-a	do.	0	0	0	0	0
3074*	19		(3,4,6-trichloro)-2,2-methylene bis (G-11-hexachlorophene)	50	100	100	100	100
3075	28	JB-6	3,4,6-trichloro-2-nitro-.	0	0	0	0	0
3076	28		2,4,x-trichloro-6-phenyl-	0	0	0	0	0
3077	80		2,4,6-trinitro-	0	0	0	0	0
3078	25	403,275-65	1-Phenol-4(?)-sulfonic acid, 2-cyclohexyl-; sodium salt	0	0	0	0	0
3079	80		Phenolphthalein	0	0	0	0	0
3080	96		Phenosafranin	0	0	0	0	100
3081	28	JB-7	Phenothiazine	0	0	0	25	75
3082	56	NP-1416	10-diethylthiocarbamyl-	0	0	0	0	100
3083	25	902,099	5-oxide-	0	0	75	100	100
3084*	57	Cr-297	3-thiocyano-	75	100	100	100	100
3085	25	401,991	Phenoxathiin, 10-oxide-	0	0	0	0	0
3086	57	Cr-207	Phenoxathiin sulfone	0	0	0	0	0
3087	63	O-3547	Phenylamine, keryl-	0	0	0	0	100
3088	68		p-Phenylazobenzoyl Chloride	0	0	0	0	0
3089	46	202	m-Phenylenediamine	0	0	0	0	0
3090	57	Cr-902	N,N'-bis(2-methylallyl)-	0	0	0	0	0
3091	57	Cr-911	o-Phenylenediamine, N,N'-bis(2-methylallyl)-	0	0	0	100	100
3092	54		N,N'-carballyloxy-	0	0	0	0	0
3093	68		p-Phenylenediamine	0	0	0	50	100
3094	57	Q-246	bis(p-chlorobenzenesulfonate)	0	0	0	0	0
3095	57	Q-245	bis(p-toluenesulfonate)	0	0	0	0	0
3096	68		N,N-Dimethyl-	0	0	0	0	100
3097	68		sulfate	0	0	0	0	0
3098	25	800,388	N-phenyl-	0	0	0	0	50
3099			Phenylhydrazine	0	0	0	100	100
3100	68		2,4-dinitro-	0	0	0	0	0
3101	70	CA-6	N-Phenylhydrazine, N,N-dimethyl-; chloride	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
3102	70	CA-26	2-Phenylhydrazine, 2-phenylhydrazinium-; sulfinate	0	0	0	100	100
3103	62		Phenylhydrazone, chloroacetal-2, 4-dinitro-	0	0	0	100	100
3104	25	102, 295	Phlorizin	0	0	0	0	0
3105	49		Phloroglucinol	0	0	0	0	0
3106	25	100, 289-01	dihydrate	0	0	0	0	0
3107	49		triacetate	0	0	0	0	0
3108	49		methyl-	0	0	0	0	0
3109	49		triacetate	0	0	0	0	0
3110	49		Phloroglucinocarboxylic acid	0	0	0	0	0
3111	49		methyl-	0	0	0	0	0
3112	49		Phloroglucinolphthalein	0	0	0	0	0
3113	49		2-methyl-	0	0	0	0	0
3114	59	CP-841	Phosphine oxide, butyl 1-butanephosphonobutoxyethoxy-	0	0	0	0	0
3115	59	CP-830	ethyl benzenephosphonodiethoxy-	0	0	0	0	0
3116	59	CP-833	ethyl 1-butanephosphonodiethoxy-	0	0	0	0	0
3117	59	CP-831	ethyl p-chlorobenzenephosphonodiethoxy-	0	0	0	0	0
3118	59	CP-842	ethyl diethoxy(2-ethyl-1-hexanephosphono)-	0	0	0	0	0
3119	59	CP-832	ethyl diethoxymethanephosphono-	0	0	0	0	0
3120	59	CP-840	ethyl ethanephosphonodiethoxy-	0	0	0	0	0
3121	59	CP-3863	Phosphine sulfide, diisopropoxybis[dithio-	0	0	0	0	0
3122	48		"Phosphodust" fluoro apatite	0	0	0	0	0
3123	25	402, 904	Phosphonic acid, butyl-	0	0	0	0	0
3124	25	401, 832	ethylenedi-	0	0	0	0	0
3125	25	402, 941	hexamethylenedi-; tetraethyl ester	0	0	0	0	0
3126	25	402, 936	octyl-; diethyl ester	0	0	0	0	0
3127	25	402, 905	tetramethylenedi-	0	0	0	0	0
3128	25	402, 932	trimethylenedi-; tetraethyl ester	0	0	0	0	0
3129	25	402, 943	tetrapropyl ester	0	0	0	0	0
3130	19		Phosphonium compounds;					
			2, 5-dichloroacetanilidotriphenyl—chloride	0	0	0	25	100
3131	19		2, 4-dichlorobenzyltriphenyl—chloride	0	0	0	0	75
3132	19		3, 4-dichlorobenzyltriphenyl—thiocyanate	0	0	0	0	0
3133	54		Phosphoramidic acid, 3-chlorophenyl-; dibutyl ester	0	0	0	0	0
3134	54		diethyl ester	0	0	0	0	0
3135	54		dioctyl ester	0	0	0	0	0
3136	54		Phosphoramidothioic acid, 3-chlorophenyl-; O, O-dipropyl ester	0	0	0	0	100
3137	28	JB-31	isopropyl-, O-(2, 4-dichlorophenyl) O-methyl ester	0	0	0	25	100
3138	28	JB-24	O-methyl-O-(2, 4, 5-trichlorophenyl) ester	0	0	0	0	0
3139	43	Bio-345	Phosphoric acid; bis(2-butoxyethyl) 2, 2-dichlorovinyl ester	0	0	0	0	0
3140	25	404, 036	bis(2, 3-dibromopropyl) ester	0	0	0	0	0
3141	43	Bio-327	bis(tetrahydrofurfuryl) 2, 2-dichlorovinyl ester	0	0	0	0	0
3142	43	Bio-609	2-carbethoxy-2-chloro-1-methylvinyl diethyl ester	0	0	0	0	0
3143	30		1-carbomethoxy-1-propen-2-yl dimethyl ester	0	0	0	0	0
3144	30		2-chlorovinyl diethyl ester	0	0	0	0	0
3145	43	Bio-302	do.	0	0	0	0	0
3146	43	Bio-614	1, 2-dibromoethyl diethyl ester	0	0	0	0	0
3147	43	Bio-319	di-n-butoxy 2, 2-dichlorovinyl ester	0	0	0	0	0
3148	43	Bio-369	2, 2-dichloro-1-diethylaminovinyl diethyl ester	0	0	0	0	0
3149	43	Bio-324	di-2-chloroethyl 2, 2-dichloroethyl ester	0	0	0	0	0
3150	43	Bio-351	2, 2-dichloro-1-phenylvinyl diethyl ester	0	0	0	0	0
3151	43	Bio-300	2, 2-dichlorovinyl diethyl ester	0	0	0	0	0
3152	43	Bio-398	2, 2-dichlorovinyl ethylene (cyclic) ester	0	0	0	0	0
3153	43	Bio-363	2, 2-dichlorovinyl propylene ester	0	0	0	0	0
3154	43	Bio-635	2, 2-dichlorovinyl tetramethylene ester	0	0	0	0	0
3155	43	Bio-668	diethyl 1-ethoxy-2, 2, 2-trichloroethyl ester	0	0	0	0	0
3156	59	CP-849	diethyl phenyl ester	0	0	0	0	0
3157	43	Bio-603	diethyl 1, 2, 2, 2-tetrachloroethyl ester	0	0	0	0	0
3158	25	Y01, 967	mixture of bis[2-chloro-1-(chloromethyl) ethy], bis(2, 3-dichloropropyl), mono[2-chloro-1-(chloromethyl)ethy], and mono(2, 3-dichloropropyl) esters	0	0	0	0	0
3159	25	404, 035	mono(2, 3-dibromopropyl) ester	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
3160	25	404,038	tris (2, 3-dibromopropyl) ester	0	0	0	0	0
3161	25	403, 307	tris (o-ethylphenyl) ester	0	0	0	0	0
3162	59	CP-868	thiono-, di(2-chloroethyl) p-nitrophenyl ester	0	0	0	0	0
3163	59	CP-902	Phosphoric triamide, poly-	0	0	0	0	0
3164	25	402, 919	Phosphorochloridic acid; dibutyl ester	0	0	0	0	0
3165	25	905, 108	Phosphordiamidic chloride, N, N'-diphenyl-	0	0	0	0	0
3166	57	Lo-300	N, N, N', N'-tetramethyl-	0	0	100	100	100
3167	25	403, 284	Phosphorodithioic acid; O, O-di-m-tolyl ester	0	0	0	0	0
3168	43	Bio-380	Phosphorothioic acid; O, O-diethyl S-(2, 2-dichlorovinyl)ester	0	0	0	0	0
3169	23		O, O-diethyl O-(2-ethylmercaptoethyl) ester ("Systox" technical)	0	0	0	0	0
3170	23		O, O-dimethyl O-(4-nitrophenyl) ester	0	0	0	0	0
3171	28	JB-23	O, O-dimethyl-O-2, 4, 5-trichlorophenyl ester	0	0	25	100	100
3172	57	Cr-735	Phosphorous acid; 2-benzyloxyethyl triester	0	0	0	0	0
3173	25	402, 947	bis(1-methylheptyl) ester	0	0	0	0	0
3174	25	402, 948	bis(3, 5, 5-trimethylhexyl) ester	0	0	0	0	0
3175	57	WC-53	di-n-butyl ester	0	0	0	0	0
3176	57	FW-189	p, p'-dichloro-benzhydryl diethyl ester	0	0	0	25	50
3177	57	Cr-1651	di-2-octyl 2, 2, 2-trichloro-1-hydroxyethyl ester	0	0	0	0	0
3178	57	Lo-206	diphenyl ethyl ester	0	0	0	0	0
3179	25	402, 956	tris(2-ethylhexyl) ester	0	0	0	0	0
3180	55		Phthalamic acid, N-1-naphthyl- ("Alanap-1", technical grade, 95% active)	0	0	0	0	0
3181	55		sodium salt ("Alanap-3", technical grade, 91% active)	0	0	0	0	0
3182	46	234	1, 4-Phthalazinedione, 5-amino-2, 3-dihydro-	0	0	0	0	0
3183	57	FW-158	2, 3-dihydro-	0	0	0	0	0
3184	68		Phthalic acid	0	0	0	0	0
3185	54		allyl ester	0	0	0	0	0
3186	25	103, 492	bis(1-[2-(2-butoxyethoxy) carbethoxy]ethyl)ester	0	0	0	0	0
3187	25	101, 839	bis[1-(2-ethoxycarbethoxy)ethyl]ester	0	0	0	0	0
3188	57	Cr-87	2-chloroethyl ester, copper (II) salt	0	0	0	75	100
3189	25	105, 341	cyclohexyl ethyl ester	0	0	0	0	0
3190	25	101, 357 A1	diaminecopper (II) complex	0	0	0	0	0
3191	46	39	di(p-chlorobenzyl) ester	0	0	0	0	0
3192	46	134	dichloroethyl ester	0	0	0	0	0
3193	25	101, 853	diester with 2-ethylhexyl lactate	0	0	0	0	0
3194	58	O-4251	di-3-methylbutyl ester	0	0	0	0	100
3195	58	O-131-a	diphenyl ester	0	0	0	0	100
3196	57	Lo-134	monoethyl ester	0	0	0	0	100
3197	25	106, 002	mono a-ethylphenethyl ester	0	0	0	0	0
3198	63	O-3667	monokerylbenzyl ester	0	0	0	0	0
3199	57	Cr-1260	mono nor-dicyclopentenyl ester	0	0	0	0	0
3200	57	SM-227	3-acetoxy-4, 6-diethyl-1, 2, 3, 6-tetrahydro-; diallyl ester	0	0	0	0	0
3201	25	105, 302	3-hydroxy-	0	0	0	0	0
3202	25	501, 418	3-nitro-	0	0	0	0	0
3203	46	122	tetrachloro-	0	0	0	0	0
3204	54		anhydride	0	0	0	0	0
3205	8		Phthalic anhydride	0	0	0	0	0
3206	57	SM-28	tetrachloro-	0	0	0	0	0
3207	25	100, 823	Phthalide	0	0	0	0	0
3208	25	105, 987	3-phenyl-	0	0	0	0	0
3209	25	501, 088	Phthalimide	0	0	0	0	0
3210	46	273	potassium salt	0	0	0	0	0
3211	25	900, 042	N-bromo-	0	0	0	0	0
3212	57	Lo-111	N-(p-chlorophenyl)-tetrachloro-	0	0	0	0	0
3213	57	FW-154	N-(p, p'-dichlorobenzhydryl)-	0	0	0	0	0
3214	25	500, 706	N-(2-hydroxyethyl)-	0	0	0	0	0
3215	57	SM-35	N-(hydroxyethyl)-tetrachloro-	0	0	0	0	0
3216	57	Cr-291	N-hydroxymethyl-	0	0	0	0	0
3217	25	500, 243	N-2-naphthyl-	0	0	0	0	0
3218	57	Lo-125	N-(m-nitrophenyl)-tetrachloro-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		01	04	10	40	100
3219	57	Lo-109	N-(p-nitrophenyl)-tetrachloro-	0	0	0	0	0
3220	57	Lo-116	N-phenyl-tetrachloro-	0	0	0	0	0
3221	25	500.802	N-o-tolyl-	0	0	0	0	0
3222	57	Cr-307	N-thiocyanomethyl	0	0	0	0	0
3223	42		N-trichloromethylthio-	0	0	0	100	100
3224	25	800 490	2-Picoline	0	0	0	0	0
3225	25	503 517	3-Picoline, 6-acetamido-	0	0	0	0	0
3226	25	801 423	6-amino-	0	0	0	0	0
3227	45		Pinane, hydroperoxide	0	0	0	0	0
3228	25	107 773	2-Pinanol, cis(?)-	0	0	0	0	0
3229	45		Pine gum	0	0	0	0	0
3230	45		formaldehyde modified	0	0	0	0	0
3231	45		fumaric modified	0	0	0	0	0
3232	45		maleic modified	0	0	0	0	0
3233	25	107 772	Pinic acid	0	0	0	0	0
3234	25	107 784	dihexyl ester	0	0	0	0	0
3235	25	107 599	Pinonic acid	0	0	0	0	0
3236	25	107 776	hexyl ester	0	0	0	0	0
3237	45		Pino carveol (trans)	0	0	0	0	0
3238	63	O-15 754-R-1	Piperazine, diacetonitrile; α-α-α-α,-2-pentamethyl-1,4-	0	0	0	100	100
3239	57	Cr-420	sulfate	0	0	0	0	0
3240	57	V-91	N,N'-dicyclohexyl	0	0	0	0	0
3241	57	V-95	2,5-Piperazinedione, 1,4-dicyclohexyl	0	0	0	0	0
3242	57	V-77	1,4-dinonyl-	0	0	0	0	100
3243	25	509.055	2,5-Piperazinedione	0	0	0	0	0
3244	57	V-60	Piperazinone, N,N'-dicyclohexyl-	0	0	0	0	0
3245	57	V-103	2-Piperazinone, N,N'-diisobutyl-3-(1',3',3'-trimethylbutyl)	0	0	0	0	0
3246	57	V-47	N,N'-dinonyl	0	0	0	0	0
3247	57	V-65	N,N'-di-tert-octyl	0	0	0	100	100
3248	68		Piperidine	0	0	0	0	0
3249	25	800.129-10	1-(chloroethyl)-; hydrochloride	0	0	0	0	0
3250	25	9K0.003	1-(10-diethylaminodecyl)-; salt with 2 f.wt. 2,4,6-trinitrobenzenesulfonic acid	0	0	0	0	0
3251*	72	MPD 2796	1-Piperidinecarbodithioic acid; piperidinium salt	0	100	100	100	100
3252	25	500.267	1-Piperidinecarboxylic acid; ethyl ester	0	0	0	0	0
3253	46	150	Piperonal	0	0	0	0	0
3254	54		Pivalanilide	0	0	0	0	0
3255	63	O-3912	Pluracol, carboxymethyl di-ether	0	0	0	0	0
3256	63	C-12906-A0	Pluronic F 68	0	0	0	0	0
3257	63	C-11985-G	Pluronic L 44	0	0	0	0	0
3258	63	C-12164-F	Pluronic L 61	0	0	0	0	0
3259	63	C-12625-G	Pluronic L 62	0	0	0	0	0
3260	63	C-12558-AG	Pluronic L 64	0	0	0	0	0
3261	25	Y00.025	Podophyllin	0	0	0	0	0
3262	25	Y00.003	Polymerized calcium salts of substituted benzoid sulfonic acids	0	0	0	0	0
3263	25	Y00.002	Polymerized sodium salts of substituted benzoid alkyl sulfonic acid combined with inert inorganic suspending agents	0	0	0	0	0
3264	25	Y00.004	Polymerized sodium salts of substituted benzoid sulfonic acids	0	0	0	0	0
3265	63	O-2333	Polyoxyethylene glycol; mol. wt. 200, di-benzenesulfonic acid ester	0	0	0	0	0
3266	63	O-4145	mol. wt. 396, x-dodecylbenzyl mono ether	0	0	0	0	0
3267	63	O-2319	mol. wt. 400, di-benzenesulfonic acid ester	0	0	0	0	0
3268	63	O-3959	mol. wt. 600, bis(carboxymethyl) ether	0	0	0	0	0
3269	63	O-4160	mol. wt. 748, x-dodecylbenzyl mono ether	0	0	0	0	0
3270	63	O-3931	mol. wt. 750, carboxymethyl methyl ether	0	0	0	0	0
3271	63	O-3930	mol. wt. 1000, bis(carboxymethyl) ether	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
3272	63	O-4291	Polyoxypropylene glycol; mol. wt. 200, monopropyl ether, benzenesulfonic acid ester	0	0	0	0	0
3273	63	O-2621	mol. wt. 260, mono-n-propyl ether plus 60% ethylene oxide	0	0	0	0	0
3274	63	O-4294	mol. wt. 400, monopropyl ether, benzenesulfonic acid ester	0	0	0	0	0
3275	63	O-3297	mol. wt. 425, monoisopropyl ether plus 200% ethylene oxide	0	0	0	0	0
3276	63	O-4282	mol. wt. 460, di-benzenesulfonic acid ester	0	0	0	0	0
3277	63	O-6818	mol. wt. 475	0	0	0	0	0
3278	63	O-4256	mol. wt. 734, monobutyl ether, benzenesulfonic acid ester	0	0	0	0	0
3279	63	O-3164	mol. wt. 900, mono-n-propyl ether	0	0	0	0	0
3280	63	O-3230	mol. wt. 900, mono-n-propyl ether plus 20% ethylene oxide	0	0	0	0	0
3281	63	O-4578	mol. wt. 1500, monomethyl ether	0	0	0	0	0
3282	63	O-4583	mol. wt. 1500, monomethyl ether and 120% ethylene oxide	0	0	0	0	0
3283	63	O-4292	mol. wt. 3000, monopropyl ether, benzenesulfonic acid ester	0	0	0	0	0
3284	57	SM-482	Polysulfide, di(butylcarbityl)-	0	0	0	0	0
3285	25	Y00,064	Porophor 254	0	0	0	0	0
3286	15		Potassium arsenite (purified)	0	0	0	0	0
3287	80		Potassium citrate	0	0	0	0	0
3288	46	337	Potassium cyanate	0	0	0	0	0
3289	15		Potassium cyanide	0	75	75	75	75
3290	25	X00,001	Potassium fluophosphate	0	0	0	0	0
3291	78		Potassium permanganate	0	0	0	0	0
3292	9	MA-3-112	Potassium tetrafluoroarsenite	0	0	0	0	0
3293	47		Propane, 2,2-bis(anisylmethyl)-	0	0	0	50	100
3294	57	Cr-238	2,2-bis(4-benzyloxy-3-nitrophenyl)-	0	0	0	0	0
3295	57	Cr-167	2,2-bis(4-benzyloxyphenyl)-	0	0	0	0	0
3296	47		2,2-bis(x-chlorobenzyl)-	0	0	0	50	75
3297	57	FW-146	1,1-bis(chlorophenyl)-	0	0	0	100	100
3298	57	Cr-429	2,2-bis[4-(2-hydroxyethoxy)phenyl]-	0	0	0	0	0
3299	25	106,645	2,2-bis(4-hydroxy-3-isopropylphenyl)-	0	0	0	100	100
3300	57	Cr-209	2,2-bis[4-(4-nitrobenzyloxy)phenyl]-	0	0	0	0	0
3301	57	Cr-430	2,2-bis[4-(2-phenoxyethoxy)phenyl]-	0	0	0	0	0
3302	25	001,050	1,2-dibromo-3-chloro-	0	0	0	0	0
3303	28	JB-21	do.	0	0	0	0	0
3304	57	WC-108	2-(3,5-diisopropyl-4-hydroxyphenyl)-2-(3,5-diisopropyl-4-isopropoxyphenyl)-	0	0	0	0	0
3305	57	FW-150	1,1-diphenyl-	0	0	0	0	100
3306	58	O-7030-a	2-fluoro-1,1,1,2,3,3,3-heptachloro-	0	0	0	0	0
3307	25	001,051	1,2,3-tribromo-	0	0	0	0	0
3308	57	SM-438	1,3-propanediamine, N,N'-bis(cyclohexyl)-2-hydroxy-	0	0	0	0	0
3309	57	V-85	N,N'-bis(3-diethylaminopropyl)-	0	0	0	0	0
3310 *	57	V-9	N,N'-bis(2-ethylhexyl)-	0	100	100	100	100
3311 *	57	V-3	N,N'-bis(3,5,5-trimethylhexyl)-	0	100	100	100	100
3312	11		N-n-coco- ("Duomeen C")	0	0	0	100	100
3313	57	SM-534	N-cyclohexyl	0	0	0	0	0
3314 *	57	SM-531	N,N'-dialkyl-2-hydroxy-	0	100	100	100	100
3315	57	V-1	N,N'-dicyclohexyl	0	0	0	0	0
3316 *	57	SM-529	N,N'-dinonyl-2-hydroxy-	0	100	100	100	100
3317 *	11		N-n-dodecyl- ("Duomeen 12")	0	100	100	100	100
3318 *	57	SM-582	do.	0	100	100	100	100
3319	57	SM-570	N-2-ethylhexyl	0	0	0	0	100
3320	57	SM-407	2-hydroxy-N,N'-t-octyl	0	0	0	100	100
3321 *	57	V-48	N-octadecyl-	0	100	100	100	100
3322	57	V-18	N,N,N',N'-tetra(cyclohexyl)	0	0	0	0	100
3323	57	V-17	N,N,N',N'-tetra-(2-ethylhexyl)	0	0	0	0	0
3324	57	V-31	N,N'-di(2,2,3,3-tetramethylbutyl)	0	0	50	100	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
3325	25	106,556	1,2-Propanediol, 3-(octadecyloxy)-	0	0	0	0	50
3326	63	O-4605	1,2-Propanediol, with butadiene mono-oxide, mol. wt. 513, with 250 wt. percent ethylene oxide, condensation product	0	0	0	0	0
3327	63	O-4758-II	1,2-Propanediol, with cyclohexene oxide, mol. wt. 382, condensation product	0	0	0	0	0
3328	63	O-4758-III	mol. wt. 382, with 200 wt. percent ethylene oxide, condensation product	0	0	0	0	0
3329	63	O-2881	1,2-Propanediol, with ethylene oxide; mol. wt. 965, condensation product	0	0	0	0	0
3330	63	O-2900	mol. wt. 2555, condensation product	0	0	0	0	0
3331	63	O-3681	mol. wt. 4000, diacetate of the condensation product	0	0	0	0	0
3332	63	O-2740-C	1,2-Propanediol, with mixed ethylene and propylene oxides, condensation product	0	0	0	0	0
3333	63	O-2838	1,2-Propanediol, with mixed propylene and ethylene oxides, mol. wt. 300, condensation product	0	0	0	0	0
3334	63	O-2844	mol. wt. 1700, condensation product	0	0	0	0	0
3335	63	O-4067	mol. wt. 2636, condensation product	0	0	0	0	0
3336	63	O-2570-D	mol. wt. 4030, condensation product	0	0	0	0	0
3337	63	C-11977-G	1,2-Propanediol, with propylene oxide; condensation product	0	0	0	0	0
3338	63	C-12995-G	mol. wt. 1800, condensation product	0	0	0	0	0
3339	63	O-4465-A	1,2-Propanediol, with styrene oxide, mol. wt. 322, condensation product	0	0	0	0	0
3340	63	O-4586	mol. wt. 747, with 322 wt. percent ethylene oxide, condensation product	0	0	0	0	0
3341	63	O-4465-B	mol. wt. 823, condensation product	0	0	0	0	0
3342	63	O-4491	mol. wt. 823, with 875 wt. percent ethylene oxide, condensation product	0	0	0	0	0
3343	46	260	1,3-Propanediol	0	0	0	0	0
3344	57	ER-42	2,2-bis(4-chlorophenyl)	0	0	0	100	100
3345	25	101,079	2-ethyl-2-hydroxymethyl-	0	0	0	0	0
3346	95		Propanediols phosphate (Pb salt)	0	0	0	0	100
3347	56	NP-1448	1,3-Propane dithiol, 2,2-bis(mercaptomethyl)-	0	0	0	0	0
3348	57	Cr-1570	Propanephosphonic acid, 1,3-diphenyl-3-oxo-	0	0	0	0	0
3349	25	105,371	1,1,2,3-Propanetetracarboxylic acid; tetraethyl ester	0	0	0	0	0
3350	25	105,374	1,1,3,3-Propanetetracarboxylic acid; tetraethyl ester	0	0	0	0	0
3351	25	104,676	1,1,3-Propanetricarboxylic acid; 1,1-diethyl 3-methyl ester	0	0	0	0	0
3352	25	100,406	x-Propanol	0	0	0	0	0
3353	54		2-methyl-2-nitro-; carbanilate	0	0	0	0	0
3354	31	448	x-nitro-x,x,x-trichloro-; 3,4-dichlorobenzoate	0	0	0	0	0
3355	25	506,854	1-Propanol, 3-[o-(and p-)aminophenyl]-	0	0	0	0	0
3356	31	403	1-(3,4-dichlorophenyl)-2-nitro-	0	0	0	0	0
3357	25	103,923	3-ethoxy	0	0	0	0	0
3358	25	401,976	3-methylmercapto-	0	0	0	0	0
3359	35		2-Propanol, 1-allyloxy-3-chloro-	0	0	0	0	0
3360	25	502,975	1-amino-	0	0	0	0	0
3361	57	SM-567	1,3-bis(methylamino)-	0	0	0	0	0
3362	25	106,383	1-butoxy-	0	0	0	0	0
3363	25	505,072	1-cyclohexylamino-	0	0	0	0	0
3364	25	106,605	1-(cyclohexyloxy)-	0	0	0	0	0
3365	25	106,394	1-(p-cyclohexylphenoxy)-	0	0	0	0	0
3366	25	507,186	1-dimethylamino-	0	0	0	0	0
3367	57	Cr-23	1,3-dithiocyano-	0	0	0	0	0
3368	25	503,633-A1	2,2'-iminodi-; complex with ½ f. wt. fluosilicic acid	0	0	0	0	0
3369	25	104,240	1-isopropoxy-	0	0	0	0	0
3370	25	106,395	1,1'-isopropylidenebis(p-phenyleneoxy)di-	0	0	0	0	0
3371	25	104,238	1-methoxy-	0	0	0	0	0
3372	25	106,382	acetate	0	0	0	0	0
3373	25	402,134	2-methyl-1,1,1-tribromo-	0	0	0	0	0
3374	56	NP-793	3-nitro-1,1,1-trichloro-	0	0	0	0	0
3375	31	431	1-(2-pyridyl)-3,3,3-trichloro-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical: Identification number: Laboratory No.	Submitter: Source No.	Submitter: Submitter's code	Technical name	Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.): .01	.04	.10	.40	1.0
3376	57	Cr-17	2-Propanone, 1, 3-dithiocyano-	0	0	0	0	0
3377	25	403, 755	1, 1, 1-trichloro-	0	0	0	0	0
3378	35		x-Propene, 3-chloro-2-methyl-	0	0	0	0	0
3379	44	DD	1, 3-dichloro-; mixture with 1, 2-dichloropropane	0	0	0	0	0
3380	25	000, 017	hexachloro-	0	0	0	0	0
3381*	31	1128	1-Propene, 3-(3, 4-dichlorophenyl)-2-phenyl-	0	100	100	100	100
3382	25	105, 947	2-Propene-1-arsonic acid	0	0	0	0	0
3383	54		2-Propene-1-ol, 2-chloro-	0	0	0	0	0
3384	54		2-methyl-; carbanilate	0	0	0	0	0
3385	49		2-Propenesulfonic acid, 2-methyl-; sodium salt	0	0	0	0	0
3386	25	400, 138-65	2-Propene-1-sulfonic acid, 2-methyl-; sodium salt	0	0	0	0	0
3387	25	100, 405	Propionaldehyde	0	0	0	0	0
3388	25	508, 463	Propionamide, N, N'-ethylenebis[2-methyl-	0	0	75	100	100
3389	25	507, 528	Propionic acid; diester with N-2-hydroxyethyllactamide	0	0	0	0	0
3390	25	510, 559	diester with N-2-hydroxypropyllactamide	0	0	0	0	0
3391	25	501, 092	5-nitrofurfuryl ester	0	0	0	0	0
3392	25	510, 564	triester with N, N-bis(2-hydroxypropyl) lactamide	0	0	0	0	0
3393	25	400, 279	3-bromo-	0	0	0	0	0
3394	25	101, 667	3-butoxy-; methyl ester	0	0	0	0	0
3395	25	400, 584	2-chloro-	0	0	0	0	0
3396	25	400, 585	3-chloro-	0	0	0	0	0
3397	57	SM-175	4-(1, 1-dimethylpropyl) phenyl ester	0	0	0	0	0
3398	25	403, 136	methyl ester	0	0	0	0	0
3399	25	501, 357	2-(2-cyanoethoxy)-; butyl ester	0	0	0	0	0
3400	57	Q-118	(?)-dichloro-3, 3-di(p-chlorophenyl)-; ethyl ester	0	0	0	100	100
3401*	57	WC-63	α, α-dichloro-β-ethoxy-β-pentachlorophenoxy-, ethyl ester	0	0	0	0	0
3402	57	Lo-378	3-dimethyldithiocarbamyl-	0	0	0	0	0
3403	25	105, 991	3, 3-diphenyl-	0	0	0	0	0
3404	25	101, 250	3-ethoxy-; hexyl ester	0	0	0	0	0
3405	25	101, 672	propyl ester	0	0	0	0	0
3406	25	506, 713	3, 3'-(ethylimino)di-; diethyl ester	0	0	0	0	0
3407			3-hydromuconononitrile-; 4-thiocyanobutyl ester	0	0	0	0	0
3408	54		2-hydroxy-2-methyl-; ethyl ester, carbanilate	0	0	0	0	0
3409	25	102, 854	β-1-naphthyl-	0	0	0	0	0
3410	25	104, 117	2-phenoxy-	0	0	0	0	0
3411	57	Lo-296	3-thiodi-; ethyl ester	0	0	0	0	0
3412	28	JB-18	α-(2, 4, 5-trichlorophenoxy)-,	0	0	0	0	0
3413	25	105, 570	3-(3, 5-xylyloxy)-	0	0	0	0	0
3414	57	Cr-956	Propionitrile, 3-(2-benzyloxyethoxy)-	0	0	0	0	0
3415	59	CP-30249	2-chloro-3(ar-tolylsulfonyl)-	0	0	0	100	100
3416	57	Q-313	3-cyclohexylamino-	0	0	0	0	0
3417	57	Q-316	3-(2-dimethylaminoethylamino)-	0	0	0	0	0
3418	63	O-150-80	2-(dimethyl-4-morpholine)-	0	0	100	100	100
3419	57	Q-314	3-(2-ethylhexyl)amino-	0	0	0	0	0
3420	46	191	3-hydroxy-	0	0	0	0	0
3421	54		carbanilate	0	0	0	0	0
3422	25	505, 571	3-isopropoxy-	0	0	0	0	100
3423	57	Cr-949	3-(x-nitrobenzyloxy)-	0	0	0	0	0
3424*	57	V-268	β-octadecylamino	100	100	100	100	100
3425	57	Cr-946	3-phenoxy-	0	0	0	0	0
3426	57	V-49	3-tridecylamino-	0	0	0	75	100
3427	57	V-23	β-(3, 5, 5-trimethylhexylamino)	0	0	0	0	0
3428	46	243	Propiophenone, 2'-amino-; hydrochloride	0	0	0	0	0
3429	25	503, 007	4'-amino-	0	0	0	0	0
3430	25	400, 125	2, 3-dibromo-3-phenyl-	0	0	0	0	0
3431	57	Q-82	2, 4'-dichloro-	0	0	75	100	100
3432	12		4'-hydroxy- (pure)	0	0	0	0	0
3433*	68		α-iso-nitroso-	0	0	0	0	0
3434	46	309	Propylamine, 2-chloro-N, N-dimethyl-; hydrochloride	0	0	0	0	0
3435	63	O-4152	Propylene oxide, condensation products of Aliphat 45-B with-, mol. wt. 762, plus 96 wt. percent ethylene oxide	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of Gymnodinium breve at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter's code		.01	.04	.10	.40	1.0
3436	25	400.729	Propyl thiopyrophosphate, tetra-	0	0	0	0	0
3437	57	Lo-181	n-Propylxanthic acid, carboxymethyl ester	0	0	0	0	0
3438	57	Lo-192	potassium salt	0	0	0	0	0
3439	56	NP-1353	Propyne, 3-chloro	0	0	0	50	100
3440	57	Q-298	1-Propyne, 3-dimethylamino-4-methyl-	0	0	0	0	0
3441	57	Q-287	2-Propyne, 1-dimethylamino-1-phenyl-	0	0	0	0	75
3442	57	O-2018	1-Propyne, 3-t-octylamino	0	0	0	0	0
3443	54		2-Propyn-1-ol, carbanilate	0	0	0	0	0
3444	57	SM-146	Protocatechuic acid	0	0	0	0	0
3445	57	Lo-506	Pseudohydantoin, 5-methylthio-	0	0	0	0	0
3446	57	Lo-76	Pseudothiuronium compounds, S-(3, 4-dichlorobenzyl)— chloride	0	0	0	100	100
3447	57	Lo-42	Pseudourea, 2-allyl-2-thio-, hydrochloride	0	0	0	0	0
3448	25	800, 131-10	2-benzyl-2-thio-; monohydrochloride	0	0	0	0	0
3449	57	Cr-906	thiocyanate	0	0	0	0	0
3450	74		2(benzyl)-1, 1, 3-trimethyl-2-thio-; hydrochloride	0	0	0	0	0
3451	25	803, 821-12	2-decyl-1, 3-dimethyl-2-thio-, hydrobromide	0	0	0	100	100
3452	25	801, 021-13	2-decyl-2-thio-; hydriodide	0	0	100	100	100
3453	25	801, 021-12	hydrobromide	0	75	100	100	100
3454	74		2(3, 4-dichlorobenzyl)-1, 1, 3-trimethyl-2-thio-; hydrochloride	0	0	0	75	100
3455*	25	803, 826-12	1, 3-diethyl-2-dodecyl-2-thio-; hydrobromide	0	100	100	100	100
3456	25	803, 826-10	hydrochloride	0	0	100	100	100
3457	25	803, 832-12	1, 3-diethyl-2-hexadecyl-2-thio-; hydrobromide	0	0	0	100	100
3458	25	803, 832-10	hydrochloride	0	0	0	100	100
3459	25	803, 830-12	1, 3-diethyl-2-tetradecyl-2-thio-; hydrobromide	0	0	0	100	100
3460	25	803, 823-12	1, 3-dimethyl-2-dodecyl-2-thio-; hydrobromide	0	0	0	100	100
3461	25	803, 831-13	1, 3-dimethyl-2-hexadecyl-2-thio-; hydriodide	0	0	0	100	100
3462	25	803, 831-12	hydrobromide	0	0	0	100	100
3463	25	803, 831-10	hydrochloride	0	0	0	100	100
3464	25	801, 411-10	2-hexadecyl-2-thio-; hydrochloride	0	0	0	100	100
3465	57	Cr-1147	2-(2-methylallyl)-2-thio-, hydrochloride	0	0	0	0	0
3466	19		2-methyl-2-thio-; sulfate	0	0	0	0	0
3467	25	105, 980	4H-Pyran-3, 5-dicarboxylic acid, 2, 6-dimethyl-4-oxo-; diethyl ester	0	0	0	0	0
3468	57	SM-276	Pyrane, 2-(t-butoxyethoxy)-tetrahydro-	0	0	0	0	0
3469	57	SM-225	2-caprylphenoxy-tetrahydro-	75	50	100	100	100
3470	57	SM-259	2-(2-ethyl-2-hexenyloxy)-tetrahydro-	0	0	0	0	0
3471	57	SM-194	2-furfuryloxy-tetrahydro-	0	0	0	0	0
3472	57	SM-221	2-tetrahydrofurfuryloxy-tetrahydro-	0	0	0	0	0
3473	4		2H-Pyran-2-one, 4-dimethylcarbamoxy-6-methyl-	0	0	0	0	0
3474	25	100, 288	4H-Pyran-4-one, 5-hydroxy-2-(hydroxymethyl)-	0	0	0	0	0
3475	63	O-15868	Pyrazine, 3-chloro-2, 5-dimethyl-	0	0	0	0	0
3476	4		5-Pyrazolecarbamic acid, 1-ethyl-3-methyl-; dimethyl ester	0	0	0	0	0
3477	46	249	2-Pyrazolin-5-one, 3-methyl-1-phenyl-	0	0	0	0	0
3478	4		5-Pyrazolol, 3-methyl-; ester with di(O-ethyl) thiophosphoric acid	0	0	0	0	0
3479	4		ester with diethylphosphoric acid	0	0	0	0	0
3480	57	Lo-628	Pyrazolone, 4, 4'-methylenebis[1-phenyl-3-methyl-	0	0	0	0	0
3481	46	274	x-phenyl-x-carbethoxy-	0	0	0	0	0
3482	25	000, 436	Pyrene	0	0	0	0	0
3483	25	800, 511	Pyridine	0	0	0	0	0
3484	57	Cr-100	compd. with ferrocyanic acid	0	0	0	0	0
3485	57	ER-5	4-chloro-2-styryl-	0	0	0	0	0
3486	57	V-225	2-(2-diallylaminoethyl)-	0	0	0	0	0
3487	25	800, 440	2, 6-distyryl-	0	0	0	0	0
3488	68		4-ethyl-	0	0	0	0	0
3489*	62	1563	2-mercapto-1-oxide-; zinc salt	75	100	100	100	100
3490	25	507, 510	5-nitro-2, 2'-oxydi-	0	0	0	0	0
3491	49		3-[5-(3-nitro) pyrazyl]-	0	75	50	100	100
3492	57	ER-6	α-styryl	0	0	0	0	0
3493	57	V-185	2-[2-(1, 1, 3, 3-tetramethylbutyl) aminoethyl]-	0	0	0	0	0
3494	54		2-Pyridinecarbamic acid, 4, 6-dimethyl-; isopropyl ester	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
3495*	62	1484	2-Pyridinethiol-1-oxide-; Na salt	100	100	100	100	100
3496*	38	F-2806	Pyridinethione, cetyl ammonium-	100	100	100	100	100
3497*	38	F-2305	sodium salt	100	100	100	100	100
3498	57	Cr-1608	Pyridinium compounds;					
			1-allyl—diisopropylbenzenesulfonate	0	0	0	0	0
3499	63	O-4311-1	benzenesulfonate, N-(polyoxypropylene glycol (mol. wt. 734), butyl ether)	0	0	0	0	0
3500	63	O-4311-5	benzenesulfonate, N-(polypropylene glycol (mol. wt. 200), propyl ether)	0	0	0	0	0
3501	63	O-4311-6	benzenesulfonate, N-(polypropylene glycol (mol. wt. 300), propyl ether)	0	0	0	0	0
3502	63	O-4311-7	benzenesulfonate, N-(polypropylene glycol (mol. wt. 400), propyl ether)	0	0	0	0	0
3503	63	O-4311-3	benzenesulfonate, N-(tripropylene glycol, methyl ether)	0	0	0	0	0
3504	51		colaminoformylmethyl—chloride, lauric acid ester ("Emulsept", 12% aq. soln. of active ingred.)	0	0	0	0	0
3505	31	308	3,4-dichlorobenzyl—chloride	0	0	0	0	0
3506*	63	O-3795	dodecylbenzyl—chloride	0	100	100	100	100
3507	25	508,465-10	3-hydroxy-1-phenyl—chloride	0	0	0	75	100
3508	63	O-1308	kerylbenzyl—chloride	0	0	0	0	0
3509	25	Y01,968	1-methyl-2-(3-phenyl-1,3-butadienyl)—methyl sulfate, polymer	0	0	0	0	0
3510	51		quaternary salt (98% pure)	0	0	0	0	0
3511	63	O-3713	tri-isopropylbenzyl—chloride	0	0	0	0	0
3512	25	503,531	2-Pyridinol, 5-methyl-	0	0	0	0	0
3513	25	508,904	4-Pyridinol, 3-nitro-	0	0	0	0	0
3514	25	800,681	Pyrimidine, 2-amino-4,6-dimethyl-	0	0	0	0	0
3515	74		2-benzylmercapto-4,6-dimethyl-	0	0	0	0	0
3516*	25	800,006	1-butyl-2-hendecyl-1,4,5,6-tetrahydro-	0	100	100	100	100
3517	25	800,489	2-chloro-4-dimethylamino-6-methyl-	0	0	0	0	0
3518	74		2-(3,4-dichlorobenzylmercapto)-4,6-dimethyl-	0	0	0	0	100
3519	57	V-4	N,N'-dicyclohexylhexahydro	0	0	0	0	25
3520*	57	V-28	N,N'-di(3,5,5-trimethylhexyl-2-(p-chlorophenyl)-hexahydro	100	100	100	100	100
3521*	57	V-10	hexahydro-N,N-di(2-ethylhexyl)-2,2-isopropyl-	100	100	100	100	100
3522*	57	V-19	hexahydro-N,N-di(2-ethylhexyl)-2-(2,4,4-trimethyl-pentyl)-	100	100	100	100	100
3523	57	V-34	hexahydro-1,3-dinonyl-5-hydroxy-, ester with crotonic acid	0	0	0	75	100
3524	57	SM-420	hexahydro-5-hydroxy-1,3-bis(γ-octyl)	0	0	100	100	100
3525	57	V-29	5-hydroxy hexahydro-N,N'-di[(3,5,5-trimethylhexyl)-2-(p-chlorophenyl)]	0	75	100	100	100
3526	25	800,120-65	2-Pyrimidinethiol, 4,6-diamino-; sodium derivative	0	0	100	100	100
3527	57	SM-565	5-Pyrimidol, hexahydro-1,3-ditridecyl	0	100	100	100	100
3528	25	508,474	5H-1-Pyrindin-2-ol, 4-acetamido-6,7-dihydro-; acetate	0	75	100	100	100
3529	25	905,099	4-amino-3-bromo-6,7-dihydro-	0	0	0	0	0
3530	25	905,116	4-amino-6,7-dihydro-; p-toluenesulfonate	0	0	0	100	100
3531	25	905,115	4-p-toluenesulfonamido-6,7-dihydro-	0	0	0	0	0
3532	46	301	Pyrocatechol	0	0	0	0	0
3533*	28	JB-14	4-tert-butyl-,	50	100	100	100	100
3534	46	127	Pyrogallic acid	0	0	0	0	0
3535	57	SM-133	γ-Pyrone, 2,6-dimethyl-	0	0	0	0	0
3536*	25	902,228	Pyrophosphoramide; octamethyl	100	100	100	100	100
3537	57	Lo-302	N,N,N',N',N'',N'',N''',N'''-octamethyl	0	0	0	0	0
3538	59	CP-852	Pyrophosphoric acid; unsym. dibutyl diethyl ester	0	0	0	0	0
3539	59	CP-851	unsym. diethyl di-(2-ethylhexyl) ester	0	0	0	0	0
3540	59	CP-855	unsym. diethyl diphenyl ester	0	0	0	0	0
3541	59	CP-1037	sym. diurea	0	0	0	0	0
3542	59	CP-829	ethyl tributyl ester	0	0	0	0	0
3543	59	CP-809	tetrabutyl ester	0	0	0	0	0
3544	42		tetraethyl ester (40% active)	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of Gymnodinium breve at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
3545	59	CP-955	tetralead salt and dilead salt	0	0	0	0	0
3546	59	CP-814	tetrapropyl ester	0	0	0	0	0
3547	59	CP-1055	dithiono-; tetraethyl ester	0	0	0	0	0
3548			tetrapropyl ester	0	0	0	0	0
3549	59	CP-2634	monoseleno-; tetraethyl ester	0	0	0	0	0
3550	59	CP-4119	monothiono-; tetrabutyl ester	0	0	0	0	0
3551	59	CP-847	tetraethyl ester	0	0	0	0	0
3552	59	CP-2323	thiono-; tetraisopropyl ester	0	0	0	0	0
3553	59	CP-1048	tetrapropyl ester	0	0	0	0	0
3554	25	800,437	Pyrrole, 5,5'-dithiobis[1-methyl-2-(3-pyridyl)]-	0	0	0	0	0
3555*	57	Cr-849	N-(4-thiocyano)-	0	100	100	100	100
3556	25	508,457	2-Pyrrolecarboxylic acid, 4-acetyl-3,5-dimethyl-	0	0	0	0	0
3557	25	508,467	4-acetyl-3,5-dimethyl-; ethyl ester	0	0	0	0	0
3558	25	510,360	3-Pyrrolecarboxylic acid, 5,5',5''-methylidynetris (2,4-dimethyl)-; triethyl ester	0	0	0	0	100
3559	25	500,427	2,4-Pyrroledicarboxylic acid, 3,5-dimethyl-; diethyl ester	0	0	0	0	0
3560	25	510,357	5,5'-methylenebis(3-methyl)-; tetraethyl ester	0	0	0	0	0
3561	54	63390-114-1764	Pyrrolidine, N-carboisopropoxy-	0	0	0	0	0
3562	54		1-Pyrrolidinecarboxylic acid; isopropyl ester	0	0	0	0	0
3563	25	800,468-A1	Pyrrolidinium compounds; 1-benzyl-1-methyl-2-(3-pyridyl)—thiocyanate	0	0	0	0	0
3564	25	9K0,026	1-[2-(2-butoxy-ethoxy)-ethyl]—p-toluenesulfonate	0	0	0	0	0
3565	25	800,460-12	1-butyl-1-methyl-2-(3-pyridyl)—bromide	0	0	0	0	0
3566	25	800,460-13	1-butyl-1-methyl-2-(3-pyridyl)—iodide	0	0	0	0	0
3567	25	800,460-A1	1-butyl-1-methyl-2-(3-pyridyl)—thiocyanate	0	0	0	0	0
3568	25	800,462-10	1-(2,4-dichlorobenzyl)-1-methyl-2-(3-pyridyl)— chloride	0	0	0	0	0
3569	25	800,463-10	1-(3,4-dichlorobenzyl)-1-methyl-2-(3-pyridyl)— chloride	0	0	0	0	0
3570	25	800,453-12	1,1-dimethyl-2-(3-pyridyl)—bromide	0	0	0	0	0
3571	25	800,479-10	1-dodecyl-1-methyl-2-(3-pyridyl)—chloride	0	0	0	0	100
3572	25	5K0,040	1-dodecyl-1-methyl-2-(3-pyridyl)—oleate	0	0	0	0	0
3573	25	9K0,017	1-dodecyl-1-methyl-2-(3-pyridyl)— p-toluenesulfonate	0	0	0	0	0
3574	25	800,477-12	1,1'-ethylenebis-1-methyl-2-(3-pyridyl)—bromide	0	0	0	0	0
3575	25	800,485-12	1-hexadecyl-1-methyl-2-(3-pyridyl)—bromide	0	0	0	100	100
3576	25	800,485-A1	1-hexadecyl-1-methyl-2-(3-pyridyl)—thiocyanate	0	0	0	100	100
3577	25	9K0,013	1-hexadecyl-1-methyl-2-(3-pyridyl)— p-toluenesulfonate	0	0	0	0	100
3578	25	800,469-13	1-methyl-1-octyl-2-(3-pyridyl)—iodide	0	0	0	0	0
3579	91		Pyruvaldehyde (30%)	0	0	0	0	0
3580	25	100,225	Pyruvic acid	0	0	0	0	0
3581	34	903	Quaternary ammonium-2-ethylhexoate	0	0	0	0	0
3582	25	100,361-A1	Quilon	0	0	0	0	0
3583	46	246	Quinacrine	0	0	0	100	100
3584	25	800,058	Quinaldine	0	0	0	0	0
3585	57	Cr-1119	picrate	0	0	0	0	0
3586	25	801,465	a-(p-dimethylaminobenzylidene)-	0	0	0	100	100
3587*	84		Quinalinol phenyl mercury	100	100	100	100	100
3588	25	510,555	Quinazoline, 6,7-dimethoxy-	0	0	0	0	0
3589	25	501,792	4-Quinazolinol, 2-methyl-	0	0	0	0	0
3590*	25	1K0,000	Quinhydrone	0	100	100	100	100
3591	97		Quinine sulfate	0	0	0	0	0
3592	57	Cr-720	Quinizarin	0	0	0	0	0
3593	25	800,045	Quinoline	0	0	0	0	0
3594	67		do.	0	0	0	0	0
3595	25	803,318	5-amino-	0	0	0	0	0
3596	25	905,101	5-bromo-6-methoxy-8-nitro-	0	0	0	0	0
3597	46	269	8-(p-chlorobenzyloxy)-	0	0	0	0	0
3598	25	800,227-18	7-chloro-4-(4-diethylamino-1-methylbutylamino)-; diphosphate	0	0	0	0	100
3599	25	900,044	8-chloro-5-nitro-	0	0	0	0	0
3600	25	800,039	4,7-dichloro-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
3601	58	O-8942	4,5-dichloro-3-methyl-	0	0	0	0	0
3602	25	800,072	4,7-dichloro-2-phenyl-	0	0	0	100	100
3603	68		8-hydroxy-	0	0	100	100	100
3604	25	508,494	6-methoxy-5-(p-methoxyphenoxy)-8-nitro-	0	0	50	100	100
3605*	25	502,968	8-phenylmercurioxy-	50	100	100	100	100
3606	25	507,210	3-Quinolinecarboxylic acid, 4-hydroxy-7-nitro-, ethyl ester	0	0	0	0	0
3607	25	800,061-13	Quinolinium compounds; 1-ethyl-, iodide	0	0	0	0	0
3608	25	800,054-13	1-methyl-, iodide	0	0	0	0	0
3609	25	503,567	4-Quinolinol	0	0	0	0	0
3610*	46	255	8-Quinolinol	0	100	100	100	100
3611	25	500,043	5-benzyl-	0	0	0	100	100
3612	25	900,178	5-chloro-7-iodo-	0	0	0	100	100
3613	25	900,127	5,7-d iodo-	0	0	0	0	0
3614	25	900,126	5,6,7-trichloro-	0	0	0	0	100
3615	56	NP-1224	Quinone, 2,6-dichloro-3,5-dimethyl	0	0	0	0	0
3616	25	104,164	Raffinose	0	0	0	0	0
3617	45	4249-21	Resin acids	0	0	0	0	0
3618	46	179	Resorcinol	0	0	0	0	0
3619	57	SM-191	acetate laurate	0	0	0	0	0
3620	46	244	2-amino-; hydrochloride	0	0	0	0	0
3621	49		5-amino- (Phloramine)	0	0	0	0	0
3622	31	438	x-chloro-x-octyl-	0	0	0	100	100
3623	4		dihydrodimethyl-; dimethylcarbamate	0	0	0	0	0
3624	49		x-methyl-5-amino- (Methyl phloramine)	0	0	0	0	0
3625	56	NP-1348	tetrachloro- (crude)	0	0	0	0	0
3626	31	437	4-(1,1,3,3-tetramethylbutyl)-	0	0	0	0	100
3627	25	403,141	2,4,6-tribromo-	0	0	0	0	0
3628	46	126	B-Resorcylic acid	0	0	0	0	0
3629	49		5-nitro-	0	0	0	0	0
3630			L-(-)-Rhamnose • H_2O	0	0	0	0	0
3631*	25	500,616-10	Rhodamine 6 GDN	0	100	100	100	100
3632	46	248	Rhodanine	0	0	0	0	0
3633	57	Lo-63	x-benzylidene-	0	0	0	0	0
3634	57	Lo-642	5-cinnamylidene-	0	0	0	100	100
3635	31	357	5-(3,4-dichlorobenzylidene)-	0	0	0	100	100
3636	68		5-(p-dimethyl-aminobenzylidene)	0	0	0	0	0
3637	57	Lo-497	5-isobutylidene-	0	0	0	50	75
3638	57	Lo-491	5-isopropylidene	0	0	0	0	0
3639	57	Lo-635	5-(1,1,3,3-tetramethylbutylaminomethylene)-	0	0	0	0	0
3640*	57	SM-528	Rhom and Haas SM-528 (restricted)	0	100	100	100	100
3641	95		Riboflavin-5-phosphate sodium	0	0	0	0	0
3642	91		Ribose, d(-)	0	0	0	0	0
3643	25	100,360	Ricinoleic acid	0	0	0	0	0
3644	25	105,879	acetate, butyl ester	0	0	0	0	0
3645	25	105,863	acetate, 2-methoxyethyl ester	0	0	0	0	100
3646	25	106,818	acetate, methyl ester	0	0	0	0	100
3647	25	100,360-52	barium salt	0	0	0	100	100
3648	25	107,790	butyl ester	0	0	0	0	0
3649	25	100,360-54	calcium salt	0	0	0	0	0
3650	25	107,789	2-methoxyethyl ester	0	0	0	0	100
3651	25	100,360-65	sodium salt	0	0	0	75	100
3652	25	Y01,969	Ricinolein, x,x-di-; mixture with 1-monoricinolein	0	0	0	0	0
3653	1		Rosin Amine D	0	0	75	100	100
3654	1		acetate (70% paste)	0	0	0	100	100
3655*	1		diacetate, N-(3-aminopropyl)	0	100	100	100	100
3656	1		pentachlorophenate	0	0	0	100	100
3657	57	CR-1121	Rufat-52; 2-chloroethyl ester	0	0	0	0	0
3658	91		Rutin	0	0	0	0	0
3659	2		Ryania ("Ryanicide 100")	0	0	0	0	0
3660			Sabane dust	0	0	0	0	0
3661	89		Safranine Y	0	25	25	100	100
3662	98		Safranin O	0	0	50	100	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of Gymnodinium breve at five concentrations (p p m)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter's code		.01	.04	10	40	1.0
3663	25	100, 254	Safrole	0	0	0	0	0
3664	31	100	Salicylaldehyde, 3, 5-dichloro-, oxime	0	0	0	0	0
3665	46	317	Salicylamide	0	0	0	0	0
3666	31	318	copper salt	0	0	0	100	100
3667	31	443	reaction with chloral	0	0	0	0	0
3668	28	JB-28	Salicylanilide, 5-chloro-,	0	0	0	0	0
3669	80		Salicylic acid	0	0	0	0	0
3670	58	O-4978	allyl ester	0	0	0	0	0
3671	57	Cr-683	benzyl ester	0	0	0	0	100
3672	46	35	p-chlorobenzyl ester	0	0	0	100	100
3673	57	Cr-1248	p-chlorophenyl ester	0	0	0	0	0
3674	57	SM-202	diisopropylbenzyl ester	0	0	0	0	0
3675	58	O-513-a	ethyl ester	0	0	0	0	0
3676	25	106, 497	ethyl ester, diester with carbonic acid	0	0	0	0	0
3677	57	SM-263	2-ethylhexenyl ester	0	0	0	0	0
3678	31	588	hydrazide	0	0	0	0	0
3679	46	129	methyl ester	0	0	0	0	0
3680	57	Cr-93	methyl ester, sodium salt	0	0	0	0	0
3681	25	500, 036	5-amino-	0	0	0	0	0
3682	46	241	hydrochloride	0	0	0	0	0
3683	25	400, 015	5-bromo-; acetate	0	0	0	0	0
3684	31	44	n-hexyl-	0	0	0	0	100
3685	25	403, 210	x-iodo-	0	0	0	0	0
3686	25	400, 016	5-iodo-; acetate	0	0	0	0	0
3687	57	Cr-1273	5-isopropyl-; copper (II) derivative	0	0	0	100	100
3688	25	107, 563	5, 5'-methylenedi-	0	0	0	0	0
3689	31	799	3-phenylazo-	0	0	0	0	0
3690	25	101, 949	Saligenin	0	0	0	0	0
3691	57	SM-16	Sabacic acid; bis(cyclohexane-2-one-1-yl) ester	0	0	0	0	0
3692	57	SM-87	diallyl ester	0	0	0	0	0
3693	57	ER-99	diester with 2-hydroxydecanenitrile	0	0	0	0	0
3694	57	ER-89	diester with 2-hydroxy-2-methylpropionitrile	0	75	100	100	100
3695	57	ER-137	diester with 2-hydroxy-3-pentenenitrile	0	0	0	0	75
3696	57	ER-119	diester with 3, 3, 3-trichlorolactonitrile	0	0	0	0	0
3697	57	SM-20	potassium disalt	0	0	0	0	0
3698	49		Semicarbazide; hydrochloride	0	0	0	0	0
3699	49		thio-	0	0	0	0	0
3700	25	401, 076	Silicic acid; tetrakis(2-chloroethyl) ester	0	0	0	0	0
3701	9	W-7-4	Silver monofluorophosphate	0	0	0	0	0
3702	16		Sodium arsenite solution ("Weedex")	0	0	0	0	0
3703	46	257	Sodium azide	0	0	0	0	0
3704	87		Sodium carbolate	0	0	0	0	0
3705	42		Sodium chlorate (56% borates; 40% active)	0	0	0	0	0
3706			Sodium citrate	0	0	0	0	0
3707	15		Sodium cyanide	0	0	75	100	100
3708	42		Sodium dichromate (100% active)	0	0	0	0	0
3709	15		do. (A. R.)	0	0	0	0	0
3710	87		Sodium diethyl dithiocarbamate	0	0	0	0	0
3711	9	A-1-51	Sodium dodecylmonofluorophosphate	0	0	0	0	0
3712	9	W-11-25	Sodium fluorosilicate	0	0	0	0	0
3713	87		Sodium glycerophosphate · $5H_2O$	0	0	0	0	0
3714	49		Sodium formaldehydesulfoxylate	0	0	0	0	0
3715	9	A-1-52	Sodium octyl monofluorophosphate	0	0	0	0	0
3716	17		Sodium romocidin	0	0	0	0	0
3717	57	Cr-981	Sodium salt of Cr 978	0	0	0	0	0
3718	57	SM-306	Sorbamide, N, N-butylcarbityl	0	0	0	0	0
3719	57	SM-266	Sorbamide, N, N-dimethallyl-	0	0	0	0	0
3720	57	SM-242	Sorbic acid; 2-ethyl-2-hexenyl ester	0	0	0	0	100
3721	57	Cr-923	d-Sorbitol; 1, 2, 6-triester with crude tridecanoic acid	0	0	0	0	0
3722	91		Sorbose	0	0	0	0	0
3723	57	Cr-807	Stearamide, N-thiocyanomethyl-	0	0	0	0	0
3724	25		Stearanilide	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter			.01	.04	.10	.40	1.0
	Source No.	Submitter's code						
3725	49		Stearic acid, allyl ester	0	0	0	0	0
3726	57	He-474	2-chloroethyl ester	0	0	0	0	0
3727	57	SM-41	4-methylcyclopentanon-2-yl ester	0	0	0	0	0
3728	25	100, 335	monoester with nonaethylene glycol	0	0	0	0	0
3729	57	He-485	2-thiocyanoethyl ester	0	0	0	0	0
3730	25	800, 404	2-Stilbazole	0	0	0	0	0
3731	57	H-124	Stilbene	0	0	0	0	0
3732	49		chlorotrinitro-	0	0	0	0	0
3733	25	502, 706	2, 4-dinitro-	0	0	0	0	0
3734	31	463	3, 4, 3', 4'-tetrachloro-	0	0	0	0	0
3735	49		2, 4, 6-trinitro-	0	0	0	0	0
3736	49		x, x-Stilbenedicarboxamide, N N'-diallyl-	0	0	0	0	0
3737	49		x, x-Stilbenedisulfonic acid, tetrazo-	0	0	0	0	0
3738	69		Strobane (technical)	0	0	0	100	100
3739	57	ER-25	Styrene, 4-chloro-B-nitro-	0	75	100	100	100
3740*	31	575	3, 4-dichloro-B-nitro-	25	100	100	100	100
3741			2, 4-dimethoxy-B-nitro-	0	0	0	100	100
3742	25	508, 454	a-nitro-	0	0	100	100	100
3743	25	Y01, 970-65	Styrenesulfonic acid, sodium salt, polymer	0	0	0	0	0
3744	25	507, 219	Succinanilic acid, N-isopropyl-2, 4-dimethyl-	0	0	0	0	0
3745	25	101, 482-A1	Succinic acid; diamminecopper (II) complex	0	0	0	75	100
3746	25	101, 54	diester with ethyl lactate	0	0	0	0	0
3747	25	101, 482-68	nickel (II) salt	0	0	0	0	0
3748	25	Y00, 005-A1	alkenyl-; amminecopper complex; alkenyl = C_6-C_8	0	0	0	0	0
3749	25	Y00, 070-A1	amminecopper complex; alkenyl = C_8-C_{10}	0	0	0	0	0
3750	25	Y00, 005-A2	ammine silver complex	0	0	0	0	0
3751	25	Y00, 005-50	disilver salt	0	0	0	75	100
3752*	25	Y00, 026-60	monobutyl ester, mercury (I) salt	0	100	100	100	100
3753	57	Cr-47	bromo-	0	0	0	0	0
3754	58	O-5708	a, B-dimethyl-; (trans), 2-ethylbutyl ester	0	0	0	0	100
3755	34		dodecenyl-; diphenylmercuric ester, 10% Hg ("SUPER AD-IT")	0	75	100	100	100
3756	25	403, 636	tetrafluoro-	0	0	0	0	0
3757	46	308	Succinic anhydride	0	0	0	0	0
3758	57	SM-43	Succinimide, N-bromo-	0	0	0	0	0
3759	87		Sucrose	0	0	0	0	0
3760	63	O-4342	with propylene oxide, mol. wt. 3000, condensation product	0	0	0	0	0
3761	63	O-4387	with propylene oxide, mol. wt. 5390, condensation product	0	0	0	0	0
3762	63	O-4398	with propylene oxide, mol. wt. 5390, plus 29 wt. percent ethylene oxide, condensation product	0	0	0	0	0
3763	63	O-4401	with propylene oxide, mol. wt. 5390, plus 97 wt. percent ethylene oxide, condensation product	0	0	0	0	0
3764	63	O-5109	with propylene oxide, mol. wt. 5390, plus 395 wt. percent ethylene oxide, condensation product	0	0	0	0	0
3765	25	100, 135	octaacetate	0	0	0	0	0
3766	57	FW-231	Sulfamic acid, N-(2-cyanoethyl)-N-2-ethylhexyl-; ethyl ester	0	0	0	0	0
3767	56	NP-1310	dimethyl-	0	0	0	0	0
3768	57	Q-225	p-chlorophenyl ester	0	0	0	0	0
3769	57	Q-220	N, N-dimethyl-, pentachlorophenyl ester	0	0	0	0	0
3770	57	SM-514	Sulfamide, N, N'-di-1, 1, 3, 3-tetramethylbutyl-	0	0	0	0	0
3771	46	284	Sulfanilamide	0	0	0	0	0
3772*	25	901, 257	N-(2-benzimidazolylmethyl)-	100	100	100	100	100
3773	25	900, 052-01	N^1-(1-hydroxyethyl-2, 2, 2-trichloro)-; sesqui-hydrate	0	0	0	0	0
3774	80		Sulfanilic acid	0	0	0	0	0
3775	57	Cr-334	p-toluidinium salt	0	0	0	0	0
3776	57	Cr-759	N-acetyl-	0	0	0	0	0
3777	57	Cr-760	p-toluidine salt	0	0	0	0	0
3778	25	905, 111-65	N-benzoyl-; sodium salt	0	0	0	0	0
3779	25	900, 731	N, N-dimethyl-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter's code		.01	.04	.10	.40	1.0
3780	56	NP-1447	Sulfide, allyl pentachlorophenyl	0	0	0	100	100
3781	57	Cr-200	benzyl p-nitrophenyl	0	0	0	0	0
3782	57	WC-74	bis(2-allyloxy-5-chlorophenyl)	0	0	0	100	100
3783	57	WC-101	bis(3-amino-5-chloro-2-hydroxyphenyl)	0	0	0	0	75
3784	57	Cr-339	bis(5-benzyl-2-hydroxyphenyl)	0	0	0	100	100
3785	57	Cr-342	bis(2-benzyloxy-5-tert-butylphenyl)	0	0	0	0	0
3786	57	Cr-309	bis(2-benzyloxy-5-chlorophenyl)	0	0	0	0	0
3787	57	Cr-423	bis[2-(2-biphenylyloxy)ethyl]	0	0	0	0	0
3788	25	400,842	bis(5-tert-butyl-2-hydroxyphenyl)	0	0	0	100	100
3789	57	Cr-1127	bis[p-tert-butyl-o-(p-nitrobenzyloxy)phenyl]	0	0	0	0	0
3790	57	Cr-410	bis[2-(4-tert-butylphenoxy)ethyl]	0	0	0	0	0
3791	57	WC-126	bis(5-chloro-3-dithiocarboxyamino-2-hydroxyphenyl); zinc salt	0	0	0	0	0
3792	57	Cr-305	bis(5-chloro-2-hydroxyphenyl)	0	0	100	100	100
3793	57	WC-95	bis(5-chloro-2-hydroxyphenyl); bis(dimethylamino but-nyl) sulfide mono salt	0	0	0	100	100
3794*	57	WC-3	di-(3, 5, 5-trimethylhexyl) amine mono salt	0	100	100	100	100
3795	57	WC-68	ethylenediamine mono salt	0	25	100	100	100
3796	57	WC-59	1-methyl-2-pentenylamine salt	0	75	100	100	100
3797	57	WC-8	nicotine mono salt	0	0	100	100	100
3798	57	WC-34	1, 1, 3, 3-tetramethylbutylamine mono salt	0	0	100	100	100
3799	57	WC-2	bis(5-chloro-2-hydroxyphenyl): 3, 5, 5-trimethyl-hexylamine mono salt	0	75	100	100	100
3800	57	WC-127	bis(5-chloro-2-hydroxy-3-trichloromethylmercapto aminophenyl)	0	0	0	0	0
3801	57	Cr-310	bis[5-chloro-2-(p-nitrobenzyloxy) phenyl]	0	0	0	0	0
3802	57	Cr-190	bis(2-chloro-4-nitrophenyl)	0	0	0	100	100
3803	57	Cr-974	bis[2-(2-[4-chlorophenoxy]ethoxy)ethyl]	0	0	0	100	100
3804	57	Cr-404	bis[2-(4-chlorophenoxy)ethyl]	0	0	0	0	0
3805	25	800,087	bis(dimethylthiocarbamyl)	0	0	0	0	0
3806*	38	F-11-48	do.	100	100	100	100	100
3807*	72	MPD-2795	do.	100	100	100	100	100
3808	25	001,066	bis(1-ethylpropyl)	0	0	0	0	0
3809	57	Cr-362	bis(4-hydroxy-3-biphenylyl)	0	0	0	0	100
3810*	57	WC-104	bis(2-hydroxy-3-bromo-5-chlorophenyl)-, benzyldimethylamine di-salt	0	100	100	100	100
3811*	57	WC-103	benzyldimethylamine mono salt	0	100	100	100	100
3812	57	WC-42	t-butyl amine mono salt	0	0	100	100	100
3813*	57	WC-87	bis-dimethylamino butyne mono salt	100	100	100	100	100
3814*	57	WC-93	cetyldimethylamine mono salt	0	100	100	100	100
3815*	57	WC-90	cyclohexylamine mono salt	100	100	100	100	100
3816*	57	WC-91	t-octylamine mono salt	100	100	100	100	100
3817	57	WC-6	bis(2-hydroxy-5-chlorophenyl)-, cetyl dimethylamine mono salt	0	25	75	100	100
3818	57	WC-125	diethanolamine mono salt	0	0	100	100	100
3819	57	WC-94	2-dimethylaminoethanol mono salt	0	0	100	100	100
3820	57	WC-14	piperidine mono salt	0	0	100	100	100
3821	57	WC-78	triethanolamine mono salt	0	0	0	0	0
3822	57	WC-11	cyclohexylamine salt	0	0	0	0	100
3823	57	WC-15	trimethylamine mono salt	0	0	0	0	100
3824	57	WC-52	zinc salt	0	0	0	75	100
3825	57	Cr-283	bis(4-hydroxyphenyl)	0	0	0	0	0
3826	57	Cr-304	bis[2-hydroxy-5-(1', 1', 3', 3'-tetramethylbutyl)phenyl]	0	0	0	0	0
3827	57	FW-3	bis(7-methyloctyl)	0	0	0	0	0
3828	57	Cr-287	bis(p-4-nitrobenzyloxyphenyl)	0	0	0	0	0
3829	57	Cr-308	bis[2-p-nitrobenzyloxy-5-(1', 1', 3', 3'-tetramethyl butyl)phenyl]	0	0	0	0	0
3830	57	Cr-208	bis(4-nitrophenyl)	0	0	0	0	0
3831	57	Cr-418	bis(2-phenoxyethyl)	0	0	0	100	100
3832	57	SM-404	bis(1, 1, 3, 3-tetramethylbutylmercaptomethyl)	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
3833	57	Q-235	2-chlorocyclohexyl 2, 4-dinitrophenyl	0	0	0	0	0
3834	57	Cr-951	4-chlorophenyl phenyl	0	0	0	0	0
3835	93		diallyl-	0	0	0	0	0
3836	57	Cr-298	2, 4-dinitrophenyl ethyl	0	0	0	0	0
3837	57	Cr-112	2, 4-dinitrophenyl n-propyl	0	0	0	0	0
3838*	38	F-1148	tetramethylthiuram-	100	100	100	100	100
3839	57	Cr-273	Sulfone, bis(4-benzyloxyphenyl)	0	0	0	0	0
3840	59	CP-2367	bis(4-chloro-2-hydroxyphenyl)	0	0	0	100	100
3841	32	V1	bis(p-chlorophenyl)	0	0	0	0	0
3842	57	WC-100	bis(2-hydroxy-5-chlorophenyl)-	0	0	0	0	100
3843	74		bis(trichloromethyl)-	0	50	100	100	100
3844	58	O-5958	dioctyl (mixture of isomers)	0	0	0	0	100
3845	68		Sulfonic acid, 1-amino-2-naphthol (98%)	0	0	0	0	0
3846	57	FW-12	Sulfonium compounds, carboxymethyl dimethyl-chloride	0	0	0	0	0
3847	57	Cr-345	Sulfoxide, bis(2-benzyloxy-5-chlorophenyl)	0	0	0	0	50
3848	57	Cr-265	bis(4-benzyloxyphenyl)	0	0	0	0	0
3849	25	400, 625	bis(4-chlorophenyl)	0	0	0	0	0
3850	57	Cr-331	bis(2-hydroxy-5-chlorophenyl)	0	0	0	50	100
3851	57	WC-10	cyclohexylamine mono salt	0	0	0	0	100
3852	57	Cr-264	bis(4-hydroxyphenyl)	0	0	0	0	0
3853	57	Cr-321	bis[4-(2-methylallyloxy) phenyl]	0	0	0	0	75
3854*	25	904, 136	2-chloroethyl 2, 4-dinitrophenyl	0	100	100	100	100
3855	57	FW-4	Sulfoximine, dimethyl-N-benzenesulfonyl-	0	0	0	0	0
3856	57	Cr-154	Sulfoxylic acid; anilinomethyl ester	0	0	0	0	0
3857	57	Cr-153	anilinomethyl ester, zinc salt	0	0	0	0	0
3858	57	Cr-151	o-toluinomethyl ester	0	0	0	0	0
3859	57	Cr-149	o-toluinomethyl ester, barium salt	0	0	0	0	0
3860	57	Cr-145	o-toluinomethyl ester, calcium salt	0	0	0	0	0
3861	25	900, 197	Sulfuric acid; mono 2-aminoethyl ester	0	0	0	0	0
3862	57	FW-229	Sulfurous acid benzyl diester	0	0	0	0	0
3863	57	FW-230	2, 2'-bis[2, 2'-(2-butoxy-ethoxy) ethyl] diester	0	0	0	0	0
3864	57	FW-228	2-chloroethyl 2-(2-butoxyethoxy)ethyl ester	0	0	0	0	0
3865	57	FW-221	2-chloroethyl p-chloro-phenyl ester	0	0	0	0	100
3866	57	FW-227	2-chloroethyl 2-(2-cyanopropyl) ester	0	0	0	0	0
3867	57	FW-243	2-chloroethyl 5, 5-dimethyl-2-hexenyl ester	0	0	0	0	0
3868	57	FW-226	2-chloroethyl-, 4, 4'-isopropylidenephenyl diester	0	0	0	0	0
3869	57	FW-222	2-chloroethyl 2-(p-1, 1, 3, 3-tetramethyl-butylphenoxy) ethyl ester	0	0	0	0	0
3870	57	FW-242	5, 5-dimethyl-2-hexenyl diester	0	0	0	0	0
3871	25	402, 899	ethylene ester (cyclic)	0	0	0	0	0
3872	70		Tallowamine, aminopropyl; silicofluoride	0	0	0	0	0
3873	25	100, 862	Tartar emetic	0	0	0	0	0
3874	80		Tartaric acid	0	0	0	0	0
3875	15		antimony, potassium salt	0	0	0	0	0
3876	25	105, 979	diethyl ether, diethyl ester	0	50	100	100	100
3877	25	105, 304	Tartaric anhydride; diacetate	0	0	0	0	0
3878	25	104, 140	Tartronic acid	0	0	0	0	0
3879	25	900, 025	Taurine	0	0	0	0	0
3880	46	103	Terpin	0	0	0	0	0
3881	57	Q-297	7-Tetradecyne, 2, 2, 4, 11, 13, 13-hexamethyl-6, 9-bis[di(n-butylamino)]-	0	0	0	0	75
3882	57	Q-299	2, 2, 4, 11, 13, 13-hexamethyl-6, 9-bis(diethanolamino)-	0	0	0	0	0
3883	57	Q-264	2, 4-dichlorophenoxyacetic acid disalt	0	0	0	0	0
3884	57	Q-262	2, 4-dichlorophenoxyacetic acid mono salt	0	0	0	0	0
3885	57	Q-270	hydrochloride disalt	0	0	0	0	0
3886	57	Q-293	hydrochloride mono salt	0	0	0	0	0
3887	57	Q-271	laurylmonosulfate disalt	0	0	0	0	0
3888	57	Q-263	methanesulfonic acid disalt	0	0	0	0	75
3889	57	Q-265	methanesulfonic acid mono salt	0	0	0	0	0
3890	57	Q-261	monochloroacetic acid disalt	0	0	0	0	0
3891	57	Q-260	monochloroacetic acid mono salt	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of Gymnodinium breve at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter's code		.01	.04	.10	.40	1.0
3892	57	Q-267	sulfuric acid salt	0	0	0	0	100
3893	57	Q-266	2, 4, 5-trichlorophenoxyacetic acid disalt	0	0	0	0	0
3894	57	Q-272	2, 4, 5-trichlorophenoxyacetic acid mono salt	0	0	0	0	0
3895	57	Q-310	2, 2, 4, 11, 13, 13-hexamethyl-6, 9-bis [methyl(3', 5', 5'-trimethylhexyl) amino]-	0	0	0	0	0
3896	57	Q-269	2, 2, 4, 11, 13, 13-hexamethyl-6-dimethylamino-9-di-n-butylamino	0	0	0	0	0
3897	57	Q-277	2, 2, 4, 11, 13, 13-hexamethyl-6-dimethylamino-9-di-n-octylamino-	0	0	0	100	100
3898	57	Q-301	2, 2, 4, 11, 13, 13-hexamethyl-6-dimethylamino-9-dinonyl(D-1)amino-	0	0	0	100	100
3899	57	Q-278	2, 2, 4, 11, 13, 13-hexamethyl-6-dimethylamino-9-N-methylethanolamino-	0	0	0	0	0
3900	57	Q-275	2, 2, 4, 11, 13, 13-hexamethyl-6-dimethylamino-9-N-methylnonylamino	0	0	0	0	0
3901	57	Q-274	2, 2, 4, 11, 13, 13-hexamethyl-6-dimethylamino-9-morpholino-	0	0	0	0	0
3902	57	Q-304	2, 2, 4, 11, 13, 13-hexamethyl-6, 9-dimorpholino-	0	0	0	0	0
3903*	57	Q-309	2, 2, 4, 11, 13, 13-hexamethyl-6, 9-[methyl-(B-dimethylaminoethyl)]-	0	100	100	100	100
3904	57	Q-311	2, 2, 4, 11, 13, 13-hexamethyl-6-methyl(3', 5', 5'-trimethylhexyl)amino-9-di-(3', 5', 5'-trimethylhexyl)amino-	0	0	0	100	100
3905	57	Q-279	2, 2, 4-trimethyl-10-camphenyl-6, 9-bis(dimethyl amino)-	0	0	0	75	100
3906	25	102, 418	Tetraethylene glycol	0	0	0	0	0
3907	23	G. P. 4273	Tetramethylene-sulfo-tetramine	0	0	0	0	0
3908	57	SM-377	Tetrasulfide, bis(t-dodecyl)	0	0	0	0	0
3909	57	SM-413	bis(dodecylmethylbenzyl)	0	0	0	0	0
3910*	72	MPD-2797	bis(1-piperidylthiocarbonyl)-	0	100	100	100	100
3911	38	F-2725	dipentamethylene thiuram-	0	0	0	100	100
3912	57	SM-372	ditolyl	0	25	50	100	100
3913	57	V-234	5, 8, 11, 14-Tetrazaoctadecane-7, 12-dione, 2, 2, 4, 4, 15, 15, 17, 17, octamethyl-	0	0	0	100	100
3914	57	V-247	18, 20, 23, 25, -Tetrazatetratetracontane-19, 24-dione, 20, 25-bis(2-ethylhexyl)-	0	0	0	0	0
3915	46	268	Tetrazolium compounds; 2, 3, 5-triphenyl—chloride	0	0	0	0	0
3916	87		Thallium sulfate	0	0	25	25	25
3917	57	Lo-584	1, 2, 5-Thiadiazine, 6, 6-dichloro-3, 4-dihydro-2, 5-dinonyl-	0	0	0	75	100
3918	57	V-20	1, 2, 6-Thiadiazine, N, N'-di(2-ethylhexyl)-1, 1-dioxidetetrahydro	0	0	50	100	100
3919*	57	V-13	1, 2, 6-Thiadiazine, tetrahydro-N, N-di(2-ethylhexyl)-	0	100	100	100	100
3920	57	Cr-1112	1, 2, 4-Thiadiazole, 3, 5-dibenzylthio-	0	0	0	100	100
3921	57	Cr-1271	3, 5-dithiol-; copper salt	0	0	0	0	0
3922	74		1, 2, 4-Thiadiazolidine, 2, 4-dimethyl-3, 4-dithiono-	25	50	75	100	100
3923	25	001, 137	Thianaphthene, 3(?)-chloro-	0	0	0	0	0
3924	25	904, 703	3-nitro-	0	0	0	0	0
3925	57	Lo-532	Thiazene, 2-thiono-4-keto-m	0	0	0	0	0
3926	25	800, 003	Thiazole, 2-amino-	0	0	0	0	0
3927	49		2-mercaptobenzo-	0	0	0	0	0
3928	25	906, 381	2-Thiazolecarbamic acid; ethyl ester	0	0	0	0	0
3929	25	904, 713	4-Thiazolecarboxylic acid; 2-aminoethyl ester	0	0	0	0	0
3930	57	Lo-471	2, 4-Thiazolidinedione	0	0	0	0	0
3931	57	Lo-582	t-octylamine salt	0	0	0	0	0
3932	57	Lo-495	5-benzal	0	0	0	0	0
3933	57	Lo-500	3-phenyl	0	0	0	0	100
3934	57	Lo-554	3-trichloromethylsulfenyl-5-m-nitrobenzal	0	0	0	0	0
3935			2-Thiazoline, 2-(dodecylmercapto)-	0	0	0	100	100
3936	68		Thiocarbazone, di-B-naphthyl	0	0	0	0	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
3937	57	Cr-451	Thiocyanic acid; 4-acetamido-3-nitrophenyl ester	0	0	0	100	100
3938	57	Cr-419	4-acetamido-3-(2-phenoxyethoxy)phenyl ester	0	0	0	0	75
3939	57	Cr-901	2-p-acetamidophenoxyethyl ester	0	0	0	0	0
3940	57	Cr-1247	1-acetoxy-2-inoanyl ester	0	0	0	0	0
3941	57	Cr-450	2-amino-5-benzoyl-phenyl ester	0	0	0	100	100
3942	57	Cr-1242	2-amino-5-biphenylyl ester	0	0	0	100	100
3943	57	Cr-888	4-amino-3-hydroxyphenyl ester, p-toluenesulfonate	0	0	0	50	100
3944	57	Cr-443	4-amino-3-nitrophenyl ester	0	0	0	100	100
3945	57	Cr-417	4-amino-3-(2-phenoxyethoxy)phenyl ester	0	0	0	100	100
3946	57	H-144	4-aminophenyl ester	0	0	0	0	0
3947	57	Cr-439	benzoin ester	0	0	0	0	0
3948	57	Cr-486	p-benzoylbenzyl ester	0	0	0	100	100
3949	57	Cr-466	5-benzoyl-2-benzylaminophenyl ester	0	0	0	0	0
3950	57	H-125	benzyl ester	0	0	0	0	50
3951	57	Cr-434	4-benzylideneamino-3-methylphenyl ester	0	0	0	0	0
3952	57	Cr-1624	1-benzyloxy-3-bromo-2-propyl ester	0	0	0	100	100
3953	57	Cr-535	2-benzyloxy-5-tert-butylbenzyl ester	0	0	0	100	100
3954	57	Cr-555	2-benzyloxy-5-tert-butyl-3-nitrobenzyl ester	0	0	0	0	100
3955	57	Cr-997	2-(2-benzyloxyethoxy) ethyl ester	0	0	0	0	0
3956	57	Cr-453	4-biphenylyl ester	0	75	100	100	100
3957	57	Cr-883	2-(2-biphenylyloxy) ethyl ester	0	0	0	75	100
3958	57	Cr-1145	2-[2-(o-bromo-p-tert-butylphenoxy)ethoxy]ethyl ester	0	0	0	0	100
3959	57	Cr-948	5-bromo-2-dimethylaminophenyl ester	0	0	0	100	100
3960	57	Cr-772	4-(p-bromophenoxy)benzyl ester	0	0	0	100	100
3961	57	Cr-1062	4-[2-(2-butoxyethoxy)ethylamino] phenyl ester	0	0	0	0	0
3962	57	Cr-655	2-[2-(2-[p-tert-butyl-o-nitrophenoxy]ethoxy) ethoxy]ethyl ester	0	0	0	0	100
3963	57	Cr-638	2-[2-(p-tert-butyl-o-nitrophenoxy) ethoxy]ethyl ester	0	0	0	25	75
3964	57	Cr-660	2-(2-p-tert-butyl-o-nitrophenoxy) ethyl ester	0	0	0	0	0
3965	57	Cr-1567	x-chloro-x, x-diisopropylphenyl ester	0	0	0	100	100
3966	57	Cr-446	2-chloro-4-dimethylaminophenyl ester	0	0	0	100	100
3967	57	Cr-460	x-chloro-x-dimethylaminophenyl ester, p-toluenesulfonate	0	0	0	0	100
3968	57	Cr-528	3-chloro-4-dimethylaminophenyl ester, 3-tert-butyl-6-hydroxybenzenesulfonate	0	0	0	100	100
3969	57	Cr-607	2-[2-(2-chloroethoxy) ethoxy]ethyl ester	0	0	0	0	0
3970	57	Cr-483	4-chloro-6-methoxy-1, 3-xylylene diester	0	0	0	0	0
3971	57	Cr-440	2-(p-chlorophenoxy)-ethyl ester	0	0	0	100	100
3972 *	58	O-2121-a	3-(2-cyclohexylphenoxy) propyl ester	0	100	100	100	100
3973 *	57	He-469	p-dibenzylaminophenyl ester	0	100	100	100	100
3974	57	Cr-452	3, 5-dichloro-4-dimethylaminophenyl ester	0	0	0	100	100
3975	57	Cr-608	diester with 2, 2'-ethylenedioxydiethanol	0	0	0	0	0
3976	57	Cr-833	2-[2-(4-[1, 1-dimethylpropyl]-2-nitrophenoxy) ethoxy]ethyl ester	0	0	0	0	100
3977	57	Cr-832	2-[4-(1, 1-dimethylpropyl)-2-nitrophenoxy]ethyl ester	0	50	100	100	100
3978	57	Cr-522	2-[4-(1, 1-dimethylpropyl)phenoxy]ethyl ester	0	0	25	100	100
3979	57	H-135	2, 4-dinitrophenyl ester	0	0	0	100	100
3980	57	Cr-493	p-dodecylaminophenyl ester	0	0	0	0	0
3981	57	Cr-560	2-ethoxyethyl ester	0	0	0	0	0
3982	57	H-141	ethylene glycol diester	0	0	0	0	0
3983	57	Cr-433	4-(2-hydroxyethylamino) phenyl ester	0	0	0	0	100
3984	57	Cr-531	p-N-(2-hydroxyethyl) ethylaminophenyl ester	0	0	0	100	100
3985	57	Cr-226	1-(2-hydroxy) naphthyl ester	0	0	0	100	100
3986	57	H-146	1-(4-hydroxy) naphthyl ester	0	0	50	100	100
3987	57	Cr-1636	2-[2-(1-hydroxy-2, 2, 3-trichlorobutoxy) ethoxy], acetylation product	0	0	0	0	0
3988 *	25	802, 997	p, p'-iminodiphenyl diester	0	100	100	100	100
3989	57	Cr-465	p-methoxybenzyl ester	0	0	0	0	0
3990	57	H-126	methyl ester	0	0	0	0	0
3991	57	Cr-724	4-(2-methylallylamino) phenyl ester	0	0	50	100	100
3992	57	Cr-741	6-(2-methylallylamino)-m-tolyl ester	0	0	0	100	100
3993	57	Cr-897	2-(o-2-methylallylphenoxy) ethyl ester	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of Gymnodinium breve at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
3994	57	Cr-647	2-[2-(o-1-methylheptyl-p-nitrophenoxy)ethoxy] ethyl ester	0	0	0	0	100
3995	57	Cr-635	2-[2-(2-[o-(1-methylheptyl)phenoxy]ethoxy) ethoxy]ethyl ester	0	0	0	100	100
3996	57	Cr-636	2-(o-1-methylheptyl)phenoxyethyl ester	0	75	75	100	100
3997	57	Cr-637	2-[2-(2-p-nitrophenoxyethoxy)ethoxy]ethyl ester	0	0	0	0	0
[illegible]	57	Cr-435	2-(p-nitrophenoxy)ethyl ester	0	0	0	0	100
[illegible]	57	Cr-445	p-nitrophenyl ester	0	0	100	100	100
[illegible]	57	Cr-1278	2-(nordicyclopentenyloxy)ethyl ester	0	0	0	0	100
[illegible]	57	Cr-634	2-[2-(2-phenoxyethoxy)ethoxy]ethyl ester	0	0	0	0	0
[illegible]	57	Cr-798	p-phenoxyphenyl ester	0	0	75	100	100
[illegible]	57	H-137	phenyl ester	0	0	0	0	0
4004	57	Cr-665	2-[2-(p-1, 1, 3, 3-tetramethylbutyl-o-nitrophenoxy)ethoxy]ethyl ester	0	0	0	0	100
4005	57	Cr-532	2-(x-tolyloxy) ethyl ester	0	0	0	100	100
4006*	56	EC-3634	trichloromethyl ester	0	100	100	100	100
4007	57	Cr-1025	triphenylmethyl ester	0	0	0	100	100
4008	57	Cr-39	Thiocyanogen, poly-	0	0	0	0	100
4009	17		Thiolutin	0	0	0	100	100
4010	49		Thiophene, dihydro-; 1, 1-dioxide	0	0	0	0	0
4011	35		2, 5-dihydro-2, 4-dimethyl-; 1, 1-dioxide	0	0	0	0	0
4012	25	904, 702	2, 4-dinitro-	0	0	0	100	100
4013	56	TD-183	tetrachloro-	0	0	0	0	0
4014	25	400, 052	2-Thiophenecarboxylic acid	0	0	0	0	0
4015	25	800, 021	Thiosinamine	0	0	0	0	0
4016	57	Lo-665	Thiosulfuric acid; p-chlorobenzyl ester, sodium salt	0	0	0	0	0
4017	80		Thiourea	0	0	0	0	0
4018	38	F-2578	dimethyl ethyl	0	0	0	0	0
4019	57	Lo-760	N, N-dimethyl-N'-phenyl	0	0	0	0	0
4020	57	Lo-314	Thiuronium compounds;					
			S-allyl-, fluosilicate	0	0	0	0	0
4021	57	Lo-488	S, S'-Δ'-butenylene-, chloride	0	0	0	0	0
4022	57	WC-106	S-butylcarbitol-N, N'-ethylene-, chloride	0	0	0	0	0
4023	57	Lo-345	S-cetyl N, N'-ethylene-, bromide	0	0	0	0	0
4024	56	NP-1352	4-chlorobenzyltetramethyl—chloride	0	0	0	0	0
4025	57	Lo-440	S-decyl-N, N'-ethylene—bromide	0	0	100	100	100
4026	57	Lo-231	S-(2, 4-dichlorobenzyl)—chloride	0	0	0	0	100
4027	57	Lo-420	S-(3, 4-dichlorobenzyl)N-B-(3', 4'-dichloro- benzene-sulfonamide-ethyl)-N, N'-ethylene-, chloride	0	0	0	75	100
4028	57	Lo-252	S-(3, 4-dichlorobenzyl)—isoheptenoate	0	0	0	0	100
4029	57	Lo-237	S-(3, 4-dichlorobenzyl)—thiocyanate	0	0	0	25	75
4030*	57	Lo-425	S-dodecyl-N, N'-dimethyl—salt with salicylic acid	0	100	100	100	100
4031	57	Lo-309	S-octadecyl-N, N'-dimethyl-, bromide	0	0	0	0	0
4032	57	Lo-447	S-octyl-, chloride	0	0	0	100	100
4033	57	Lo-437	S-tetradecyl—bromide	0	0	0	100	100
4034*	57	Lo-443	S-tetradecyl-N, N'-dimethyl—bromide	0	100	100	100	100
4035	57	Lo-439	S-tetradecyl-N, N'-ethylene—bromide	0	0	0	100	100
4036	57	Lo-489	S-1, 1, 3, 3-tetramethylbutyl-cresoxyethoxyethyl-N, N'-dimethyl—chloride	0	0	0	100	100
4037	46	296	Thymol, p-chloro-	0	0	0	0	0
4038*	73	LT-125	Tin; trialkyl complex	0	100	100	100	100
4039*	9	HHi-4-132	dibutyl—fluoride	100	100	100	100	100
4040*	99		dibutyl—oxide	50	100	100	100	100
4041	99		dilauryl—oxide	0	0	0	0	0
4042	9	Z-6-14	dimethyl—fluoride	0	0	0	0	0
4043	99		diphenyl—dichloride	0	0	75	100	100
4044*	99		triphenyl—hydroxide	100	100	100	100	100
4045	68		Titan yellow	0	0	0	0	0
4046	12		Toloxyn mephenesin, N. N. R.	0	0	0	0	0
4047	25	100, 240	m-Tolualdehyde	0	0	0	0	100
4048	28	JB-30	o-Toluamide, 3, 5-dinitro-,	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter Submitter's code		.01	.04	.10	.40	1.0
4049	57	He-473	Toluene, a-benzyloxy-x-(2-benzyloxyethoxy)-	0	0	0	0	0
4050	57	Cr-788	a-(2-biphenylyloxy)-p-phenoxy-	0	0	0	0	0
4051	57	Cr-192	a-bromo-p-nitro-	0	0	0	0	0
4052	57	Cr-793	p-(p-bromophenoxy)-a-p-tert-butylphenoxy-	0	0	0	25	100
4053	57	Cr-794	p-(p-bromophenoxy)-a-o-chlorophenoxy-	0	0	0	100	100
4054	57	Cr-784	a-(p-tert-butylphenoxy)-p-phenoxy-	0	0	0	0	0
4055	63	O-3726	a-chloro-x-decyl-	0	0	0	0	0
4056	63	O-1838	a-chloro-x-dodecyl-	0	0	0	0	0
4057	57	Cr-233	a-chloro-3-nitro-4-methoxy-	0	0	0	0	0
4058	63	O-1808	a-chloro-x-octyl-	0	0	0	50	75
4059	57	Cr-789	a-(o-chlorophenoxy)-p-phenoxy-	0	0	0	0	0
4060	57	Cr-786	a-(p-chlorophenoxy)-p-phenoxy-	0	0	0	100	100
4061	63	O-3710	a-chloro-x-tetra-isopropyl-	0	0	0	0	0
4062	63	O-3704	a-chloro-x-tri-isopropyl-	0	0	0	0	0
4063	57	SM-424	2-crotonyl-4-dodecyl-	0	0	0	0	100
4064	49		2, 4-diamino-6-nitro-	0	0	0	0	0
4065	7		x, x-dichloro-	0	0	0	0	0
4066	46	108	a, 4-dichloro-	0	0	0	0	0
4067	49		2, 6-dinitro-4-amino-	0	0	0	0	0
4068	57	Cr-787	p-phenoxy-a-p-1, 1, 3, 3-tetramethylbutylphenoxy-	0	0	0	0	0
4069	25	800, 031	Toluene-2, 4-diamine	0	0	0	0	0
4070	63	O-3707	x-Toluenesulfonamide, N, N-dicyanoethyl-	0	0	0	0	0
4071	49		o-Toluenesulfonamide	0	0	0	0	0
4072	25	900, 107-10	p-Toluenesulfonamide, a-amino-; hydrochloride	0	0	0	0	0
4073	57	FW-170	N, N'-bis(ethylene)-	0	0	0	0	0
4074	57	Cr-135	N-2-chloroethyl-	0	0	0	0	0
4075	57	V-55	N, N'-dinonylethylene bis	0	0	0	0	0
4076	57	FW-239	N-dodecyl-, N-ethyl-	0	0	0	0	0
4077	25	905, 126	N, N'-p-phenylenebis-	0	0	0	0	0
4078	57	Q-258	N, N'-p-quinonedi-	0	0	0	0	0
4079	57	FW-171	N-(1, 1, 3, 3-tetramethylbutyl)-	0	0	0	0	0
4080	57	Lo-692	a-Toluenesulfonamide, p-chloro-N-(7-methyloctyl)-	0	0	0	0	0
4081	57	Cr-889	p-Toluenesulfonanilide	0	0	0	0	0
4082	25	905, 122	N-allyl-	0	0	0	0	0
4083	57	Cr-733	4'-benzyloxy-	0	0	0	0	0
4084	57	FW-197	4'-chloro-	0	0	0	0	0
4085	57	FW-196	sodium derivative	0	0	0	0	0
4086*			N-(ethylmercuri)-	100	100	100	100	100
4087	63	O-2757	x-Toluenesulfonic acid; octyl ester	0	0	0	0	0
4088	63	O-2884	sodium salt	0	0	0	0	0
4089	49		o-Toluenesulfonic acid, amino-	0	0	0	0	0
4090	25	Y01, 515	p-Toluenesulfonic acid; alkyltrimethylammonium salt (alkyl = $C_{18}H_{37}$)	0	0	0	100	100
4091	57	Q-213	dinitrocaprylphenyl ester	0	0	0	0	0
4092	25	400, 691	ethylene glycol diester	0	0	0	0	0
4093	25	400, 696	hexadecyl ester	0	0	0	0	0
4094	25	401, 334	p-Toluenesulfonic acid; hexyl ester	0	0	0	0	0
4095	63	C-2848-P	n-hexyl ester	0	0	0	0	0
4096	57	Cr-271	p-nitrophenyl ester	0	0	0	0	0
4097	25	400, 698	octadecyl ester	0	0	0	0	0
4098	57	Cr-261	sodium salt	0	0	0	0	0
4099	57	Cr-266	p-thiocyanodimethylanilinium salt	0	0	0	0	100
4100	57	Cr-262	p-toluidinium salt	0	0	0	0	0
4101	63	O-3182	3-chloro-; sodium salt	0	0	0	0	0
4102*	25	404, 041	a-Toluenesulfonic acid, thiol-; benzyl ester	100	100	100	100	100
4103	25	800, 128-10	Toluene-2, 4, 6-triamine; trihydrochloride	0	0	0	0	0
4104	49		do.	0	0	0	100	100
4105	49		p-Toluic acid, 3, 5-dinitro-	0	0	0	0	0
4106	25	402, 126	a, a, a-trichloro-; 2-chloroethyl ester	0	0	0	0	0
4107	49		x-Toluidine; triacetyl	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical: Identification number: Laboratory No.	Submitter: Source No.	Submitter: Submitter's code	Technical name	Percent mortality of *Gymnodinium breve* at two concentrations (p.p.m.): .01	.04	.10	.40	1.0
4108	87		o-Toluidine	0	0	0	0	0
4109	25	800,698-A1	complex with ½ f. wt. fluosilicic acid	0	0	0	0	0
4110	57	Cr-320	N-benzyl-	0	0	0	0	0
4111	57	Cr-323	hydrochloride	0	0	0	25	50
4112	57	Cr-737	N-2-methylallyl-	0	0	0	0	0
4113	49		5-nitro-	0	0	0	0	0
4114	57	Cr-1141	p-Toluidine, a-toluenesulfonate	0	0	0	0	0
4115	57	Cr-764	a-(p-tert-butyl)phenoxy-	0	0	0	0	0
4116	57	SM-176	N, N-dibenzyl-	0	0	0	50	100
4117	57	Cr-731	N-2-methylallyl-	0	0	0	0	0
4118	25	501,729	2-nitro-	0	0	0	0	0
4119	57	Cr-1136	a, a'-sulfonylbis[N, N-dimethyl-	0	0	0	0	0
4120	57	Cr-1140	a, a'-sulfonylbis[N, N-dimethyl-2-thiocyano-	0	0	0	0	0
4121	58	O-9735-e	Toxaphene	0	0	0	100	100
4122	42		Toxaphene (25% active)	0	0	0	0	100
4123	21		Toxaphene; 4# (4 lbs. per gal., emul. conc.)	0	0	0	0	100
4124	21		6# (6 lbs. per gal., emul. conc.)	0	0	0	100	100
4125	21		8# (8 lbs. per gal., emul. conc.)	0	0	0	100	100
4126	33		Chipman 6# Livestock Spray (6 lbs. tech Toxaphene per gal. in mixed petrol. solv. with emuls. agt.)	0	0	0	100	100
4127	33		Chipman, 20% dust	0	0	0	0	0
4128	33		Chipman, 40% spray powder	0	0	0	0	100
4129	95		a(+)Trehalose	0	0	0	0	0
4130*	57	V-305	7, 10, 13-Triazanonadecane, 5, 15-diethyl-	0	100	100	100	100
4131	25	507,211	Triazine, 1-p-nitrophenyl-3-phenyl-	0	0	0	0	0
4132	57	FW-36	1, 3, 5-Triazine, 2-chloro-4, 6-bis(1, 1, 3, 3-tetramethylbutyl)-	0	0	0	0	0
4133	4	G-34-361	s-Triazine, 2-allylamino-4-chloro-6-isopropylamino-	0	0	0	0	0
4134	4	G-34-451	2, 4-bis(ethylamino)-6-isopropyl-amino-	0	0	0	0	0
4135	4	G-32-911	2, 4-bis(ethylamino)-6-methyl-mercapto-	0	0	0	0	0
4136	4		2-chloro-4, 6-bis(ethylamino)-	0	0	0	0	0
4137	4		2-chloro-4, 6-bis(isopropylamino)-	0	0	0	0	0
4138	4	G-30-031	2-chloro-4-diethylamino-6-isopropylamino-	0	0	0	0	0
4139	4		2-chloro-4-ethylamino-6-diethyl-amino-	0	0	0	0	0
4140	4		2-chloro-4-ethylamino-6-isopropyl-amino-	0	0	0	0	0
4141	4	G-34-696	2-chloro-4-ethylamino-6-(3-methoxypropylamino)-	0	0	0	0	0
4142	4	G-34-698	2-chloro-4-isopropylamino-6-(3-methoxypropylamino)-	0	0	0	0	0
4143	4	G-30-026	2-chloro-4-methylamino-6-isopropyl-amino-	0	0	0	0	0
4144	64	198	2, 4-diamino-aceto-	0	0	0	0	0
4145	64	199	2, 4-diamino-6-phenyl-	0	0	0	0	0
4146	4	G-34-453	2-ethylamino-4, 6-bis(isopropyl-amino)-	0	0	0	0	0
4147	4	G-34-162	2-ethylamino-4-isopropylamino-6-methylmercapto-	0	0	0	0	0
4148	57	SM-432	hexahydro-N, N', N''-tricyclohexyl	0	0	0	0	0
4149	4	G-34-360	2-isopropylamino-4-methylamino-6-methylmercapto-	0	0	0	0	0
4150	4		2-methoxy-4, 6-bis(isopropylamino)-	0	0	0	0	0
4151	4	G-31-717	2-methoxy-4-diethylamino-6-isopropylamino-	0	0	0	0	0
4152	4	G-32-293	2-methoxy-4-ethylamino-6-isopropyl-amino-	0	0	0	0	0
4153	4	G-32-292	2-methoxy-4-methylamino-6-isopropylamino-	0	0	0	0	0
4154	57	SM-521	1, 3, 5-trinonylhexahydro	0	0	0	0	0
4155	57	Cr-128	2-thione, 4, 6-di-n-propyl-hexahydro-	0	0	0	0	0
4156	57	Cr-137	4, 6-di(n-propyl)-hexahydro-3-phenyl-N-thiocarbamyl-	0	0	0	0	0
4157	68		Tributyrin	0	0	0	0	0
4158			Tricyclo[3.3.1.1^{3,7}]decane, 2, 6-dithia-1, 3, 5, 7-tetraaza-2, 2, 6, 6-tetroxide-	0	0	0	0	0
4159	57	Cr-604	Tridecanamide	0	0	0	0	0
4160	57	Cr-675	Tridecananilide	0	0	0	0	0
4161	57	Cr-694	o-nitro-	0	0	0	0	0
4162	57	Cr-676	p-chloro-	0	0	0	0	0
4163	25	800,069	Tridecanenitrile	0	0	0	0	100

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical: Identification number: Laboratory No.	Submitter: Source No.	Submitter's code	Technical name	Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.): .01	.04	.10	.40	1.0
4164	57	Cr-1045	Tridecanoic acid;					
			2-bromo-4-tert-butyl-6-nitrophenyl ester	0	0	0	0	0
4165	57	Cr-1255	4-bromo-6-nitro-o-tolyl ester	0	0	0	0	0
4166	57	Cr-1044	4-tert-butyl-2-chloro-6-nitrophenyl ester	0	0	0	0	0
4167	57	Cr-650	4-tert-butyl-2-nitrophenyl ester	0	0	0	0	0
4168	57	Cr-1052	x-chloro-x-(1-methylheptyl)-x-nitrophenyl ester	0	0	0	0	100
4169	57	Cr-1053	2-chloro-6-nitro-4-(1, 1, 3, 3-tetramethylbutyl) phenyl ester	0	0	0	0	0
4170	57	Cr-1004	x, x-dipentyl-x-nitrophenyl ester	0	0	0	0	0
4171	57	Cr-652	4-nitrophenyl ester	0	0	0	0	0
4172	57	Cr-657	2-nitro-4-(1, 1, 3, 3-tetramethylbutyl)phenyl ester	0	0	0	0	100
4173	57	Cr-617	4-octyl-2, 6-dinitrophenyl ester	0	0	0	0	0
4174	25	800, 126-10	Triethylamine; hydrochloride	0	0	0	0	0
4175*	57	ER-106	2-(2, 2-bis-p-chlorophenyl) vinyloxy-	0	100	100	100	100
4176	46	311	2-chloro-; hydrochloride	0	0	0	0	0
4177	57	Cr-24	2, 2', 2''-trichloro-; hydrochloride	0	0	0	0	0
4178	25	100, 383	Triethylene glycol	0	0	0	0	0
4179	63	O-3563	methyl cyanoethyl diether	0	0	0	0	0
4180	57	Q-315	Trihexylamine, 3, 4, 4-trimethyl-	0	0	0	100	100
4181	25	102, 100	Trimesic acid	0	0	0	0	0
4182	68		Trimethylamine; hydrochloride	0	0	0	0	0
4183	57	Cr-1019	1-[2-(2-butoxyethoxy) ethoxy]-	0	0	0	0	0
4184	25	801, 313	Trioctylamine	0	0	0	100	100
4185	87		Trioxymethylene	0	0	0	0	25
4186	9		Tri-n-pentylamine; fluorophosphate	0	0	0	0	0
4187	25	000, 097	Triphenylarsine	0	0	0	100	100
4188	59	CP-827	sym. phenyl tetrapropyl ester	0	0	0	0	0
4189	68		Triphenyl phosphate	0	0	0	0	50
4190	68		2, 3, 5-Triphenyl-2H-tetrazolium chloride	0	0	0	0	0
4191	57	Mr-1	Trisulfide, bis(2-hydroxy-5-chlorophenyl)-, copper salt	0	0	0	100	100
4192	57	Mr-3	dicyclohexylamine salt of bis	0	0	0	50	100
4193	57	Mr-2	mono cyclohexylamine salt	0	0	0	0	100
4194	57	SM-373	diphenyl	0	0	25	100	100
4195*	57	SM-376	ditolyl	0	100	100	100	100
4196*	74		1, 3, 5-Trithiane-1, 1, 3, 3-tetroxide, hexachloro-	0	100	100	100	100
4197	25	800, 011	s-Trithiane, 2, 4, 6-tris(p-dimethylaminophenyl)-	0	0	0	0	0
4198	25	500, 172-65	Tryparsamide	0	0	0	0	0
4199	46	245	l-Tryptophane	0	0	0	0	0
4200	25	508, 476	L-Tyrosine, N-(2-carboxyethyl)-	0	0	0	0	0
4201	46	279	Umbelliferone, B-methyl-	0	0	0	0	0
4202	57	Cr-602	9-Undecanoic acid; 2-(2-chlorethoxy) ethyl ester	0	0	0	0	0
4203	57	Cr-601	2-chloroethyl ester	0	0	0	0	0
4204	57	Cr-612	2-(2-thiocyanoethoxy) ethyl ester	0	0	0	0	25
4205	57	Cr-610	2-thiocyanoethyl ester	0	0	0	0	0
4206	57	Q-283	7-Undecyne, 2, 2, 4, 10-tetramethyl-6, 9-bis-dimethylamino-	0	0	0	0	100
4207	46	247	Uracil	0	0	0	0	0
4208	25	501, 040	6-amino-	0	0	0	0	0
4209	25	501, 041-15	5, 6-diamino-; hemisulfate	0	0	0	0	0
4210	46	287	thio-	0	0	0	0	0
4211	80		Urea	0	0	0	0	0
4212	25	500, 349-A1	complex with 1/6 f. wt. aluminum triiodide sulfate	0	0	0	0	0
4213	49		allyl-	0	0	0	0	0
4214	54		x-allyl-3-chlorophenyl-2-thio-	0	0	0	0	0
4215	49		x-allyl-2-thio-	0	0	0	0	0
4216	57	Cr-803	1-(4-biphenylyl)-2-thio-	0	0	0	0	0
4217	56	6307	bis(diethylaminopropyl)-2-thio-	0	0	0	0	0
4218	57	Cr-863	1, 3-bis(p-phenoxyphenyl)-2-thio-	0	0	0	0	0
4219	57	Lo-268	N, N'-bis-B-1-(2-thiono-imidazolidyl) ethyl thio	0	0	0	0	0
4220	57	FW-75	1-tert-butyl-3-(p-toluenesulfonyl)-	0	0	0	0	0
4221	57	Lo-392	1-[2-(x-chlorobenzalamino)ethyl]-x-ethylene-2-thio-	0	0	0	0	0
4222	57	FW-70	1-(p-chlorobenzenesulfonyl)-3-(1, 1, 3, 3-tetramethylbutyl)-	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter Source No.	Submitter's code		.01	.04	10	.40	1.0
4223	25	904, 134	(3-chloromercuri-2-methoxypropyl)-	0	0	0	0	0
4224	54		x-(3-chlorophenyl)-x-phenyl-	0	0	0	0	0
4225	25	510, 335	cyanoacetyl-	0	0	0	0	0
4226	57	Cr-867	1-decanoyl-	0	0	0	0	0
4227	25	509, 241	1, 3-dibenzyl-	0	0	0	0	0
4228	57	Lo-394	1-[2-(3, 4-dichlorobenzenesulfonamido)ethyl]-x-ethylene-2-thio-	0	0	0	0	0
4229	54		x, x-di-3-chlorophenyl-2-thio-	0	0	0	0	100
4230	54		1, 3-diethyl-1, 3-diphenyl-	0	0	0	0	0
4231	25	801, 456	1, 3-diethyl-2-thio-	0	0	0	0	0
4232	56	6290	do.	0	0	0	0	0
4233	57	Cr-881	1, 3-dilauroyl-	0	0	0	0	0
4234	54		dimethylol-	0	0	0	0	0
4235	65		x, x-dimethyl-x-phenyl-	0	0	0	0	0
4236	57	Q-3	o, o'-diphenylenebis[2-thio-	0	0	0	0	0
4237	57	Cr-882	1, 3-ditridecanoyl-	0	0	0	0	0
4238	25	901, 750	1-ethyl-3-(2-hydroxyethyl)-2-thio-	0	0	0	0	0
4239	25	501, 702-15	x-guanyl-; monosulfate	0	0	0	0	0
4240	64	338	phosphate	0	0	0	0	0
4241	57	Cr-868	1-lauroyl-	0	0	0	0	0
4242	57	Cr-866	1-myristoyl-	0	0	0	0	0
4243	57	FW-59	1-octadecyl-3-(p-toluenesulfonyl)-	0	0	0	0	0
4244	57	FW-71	1-n-octadecyl-3-(p-toluenesulfonyl)-3-trichloromethylsulfenyl-	0	0	0	0	0
4245	57	Lo-707	N-t-octyl-N'-cyclohexyl	0	0	0	0	0
4246	25	500, 365	x-phenyl-	0	0	0	0	0
4247	57	FW-62	1-phenyl-3-(p-toluenesulfonyl)-, sodium derivative	0	0	0	0	0
4248	54		2-thio-	0	0	0	0	0
4249	57	FW-77	1-(p-toluenesulfonyl)-3-tridecyl-	0	0	0	0	75
4250	56	NP-1358	1-(2, 2, 2-trichloro-1-hydroxyethyl)-	0	0	0	0	0
4251	57	Cr-865	1-tridecanoyl-	0	0	0	0	0
4252	87		Urease	0	0	0	0	0
4253	25	501, 062	Uric acid	0	0	0	0	0
4254	25	101, 486-68	Valeric acid; nickel (II) salt	0	0	0	0	0
4255	25	403, 143	5-bromo-; methyl ester	0	0	0	0	0
4256	57	ER-127	4-methyl-4-nitro-; ester with 2-furanegiyconitrile	0	0	50	75	100
4257	25	500, 313	Valeronitrile, 5, 5'-oxydi-	0	0	0	0	0
4258	46	14	Vanillic acid; ethyl ester	0	0	0	0	0
4259	46	151	Veratraldehyde	0	0	0	0	0
4260	54		Veratramide, N-benzoyl-	0	0	0	0	0
4261	25	102, 253	Veratric acid	0	0	0	0	0
4262	40		Verbenol (2-pinene-4-ol)	0	0	0	0	0
4263	28	JB-1	Versene acid	0	0	0	0	0
4264	28	JB-2	Versenol powder	0	0	0	0	0
4265	1		Vinsol NVX	0	0	0	0	0
4266	25	Y00, 067	Vulcanechtgelb GR	0	0	0	0	0
4267	57	Lo-28	Xanthic acid; allyl ester	0	0	0	0	0
4268	46	297	potassium salt	0	0	0	0	0
4269	57	Lo-224	B-butoxy-, carbamylmethyl ester	0	0	0	0	0
4270	57	Lo-98	butyl-; allyl ester	0	0	0	0	0
4271	57	FW-168	1, 1-bis(p-chlorophenyl)-2, 2-dichloroethyl ester	0	0	0	100	100
4272	57	Lo-136	carbethoxymethyl ester	0	0	0	0	0
4273	57	Lo-230	crotonyl ester	0	0	0	0	0
4274	57	Lo-264	N, N-dihexylcarboxamidomethyl ester	0	0	0	0	0
4275	57	Lo-487	N, N-dihexylcarboxamidomethyl ester, sodium salt	0	0	0	0	0
4276	57	Lo-434	butyl-3-t-octylamino-	0	0	0	0	0
4277	54		Xanthic acid, pentachlorophenyl-; ethyl ester	0	0	0	100	100
4278	57	Lo-196	pentyl-; ester with glycolamide	0	0	0	0	0
4279	57	Lo-10	Xanthic anhydrosulfide	0	0	0	100	100
4280	58	O-4352	Xanthoacetic acid; isobornyl ester	0	0	0	100	100
4281	25	106, 618-65	Xanthochelidonic acid; diethyl ester, sodium derivative	0	0	0	0	0

Table 1.--Bioassays of chemical compounds listed alphabetically (Continued)

Chemical				Percent mortality of *Gymnodinium breve* at five concentrations (p.p.m.)				
Identification number			Technical name					
Laboratory No.	Submitter: Source No.	Submitter: Submitter's code		.01	.04	.10	.40	1.0
4282	46	188	Xanthydrol	0	0	0	75	100
4283	95		Xylan	0	0	0	0	0
4284	57	He-479	m-Xylene, a, a'-dibenzyloxy-4-(2-benzyloxyethoxy)-	0	0	0	0	0
4285	57	He-477	a, a'-dibenzyloxy-4-[2-(2-benzyloxyethoxy)ethoxy]-	0	0	0	0	0
4286*	56	NP-1388	o-Xylene, a, a', 3, 4, 5, 6-hexachloro-	0	100	100	100	100
4287	49		p-Xylene, a, a'-dichloro-	0	0	0	0	0
4288	49		nitro-	0	0	0	0	0
4289	63	O-3709	p-Xylenesulfonamide, N, N-dicyanoethyl-	0	0	0	0	0
4290	63	O-2649	x-Xylenesulfonic acid; 4-biphenylyl ester	0	0	0	0	0
4291	63	O-2754	dodecyl ester	0	0	0	0	0
4292	63	O-2642	phenyl ester	0	0	0	0	0
4293	63	O-5224	m-Xylenesulfonic acid	0	0	0	0	0
4294	63	O-2197-F	sodium salt	0	0	0	0	0
4295	63	O-5231	o-Xylenesulfonic acid	0	0	0	0	0
4296	63	O-2190-F	sodium salt	0	0	0	0	0
4297	63	O-5232	p-Xylenesulfonic acid	0	0	0	0	0
4298	25	100, 547	2, 4-Xylenol	0	0	0	0	0
4299	35		3, 5-Xylenol	0	0	0	0	0
4300	57	Cr-729	x, x-Xylidine, N-2-methylallyl-	0	0	0	0	0
4301	46	215	2, 5-Xylidene; hydrochloride	0	0	0	0	0
4302	25	800, 554	3, 5-Xylidine, $a^3, a^3, a^3, a^5, a^5, a^5$-hexafluoro-	0	0	0	0	0
4303	91		Xylose d(+)	0	0	0	0	0
4304	25	Y00, 068	Zapomechtgelb CGG	0	0	0	0	0
4305	6		Zinc silicofluoride	0	0	0	0	0
4306	9	L-16-97	Zinc fluoride	0	0	0	0	0

* 100 percent toxic at the 0.04 level.

Table 2.--Sources of compounds listed numerically

(1) Naval Stores Department
Hercules Powder Company
Wilmington 99, Delaware

(2) Research Division
S. B. Penick & Company
999 West Side Avenue
Jersey City 6, New Jersey

(3) Vis-Ko, Incorporated
Sumner, Washington

(4) Research Laboratory
Geigy Agricultural Chemicals
Geigy Chemical Corporation
62 West Second Street
Bayonne, New Jersey

(6) Technical Service Department
Davison Chemical Company
Baltimore 3, Maryland

(7) Product Development Department
Solvay Process Division
Allied Chemical & Dye Corporation
61 Broadway
New York 6, New York

(8) Oronite Chemical Company
3508 Carew Tower
Cincinnati 2, Ohio

(9) Research Department
Ozard-Mahoning Company
Tulsa 1, Oklahoma

(11) The Market Development Department
Armour Chemical Division
Armour and Company
1355 West 31st Street
Chicago 9, Illinois

(12) General Sales Offices
Sumner Chemical Company, Inc.
6 East 45th Street
New York 17, New York

(14) Geigy Industrial Chemicals
Geigy Chemical Corporation
89 Barclay Street
New York 8, New York

(15) Government Contracts and Sales
Mallinckrodt Chemical Works
Second and Mallinckrodt Streets
St. Louis 7, Missouri

(16) James Good Company
Susquehanna Avenue & Martha Street
Philadelphia 25, Pennsylvania

(17) Technical Service Department
Chas. Pfizer and Company, Inc.
630 Flushing Avenue
Brooklyn 6, New York

(18) Research and Development Laboratories
Onyx Oil and Chemical Company
Warren and Morris Streets
Jersey City 2, New Jersey

(19) Sindar Corporation
330 West 42nd Street
New York 36, New York

(21) Goahoma Chemical Company, Inc.
P. O. Box 728
Clarksdale, Mississippi

(23) Chemagro Corporation
101 Park Avenue
New York 17, New York

(24) W. A. Cleary Corporation
New Brunswick, New Jersey

(25) The Chemical-Biological Coordination Center
National Research Council
2101 Constitution Avenue
Washington 25, D. C.

(26) Sharples Chemicals Division
Pennsylvania Salt Manufacturing Company
Three Penn Center Plaza
Philadelphia 2, Pennsylvania

(27) Battelle Memorial Institute
505 King Avenue
Columbus 1, Ohio

(28) Biochemical Research Department
The Dow Chemical Company
Midland, Michigan

(29) (Restricted)

(30) Agricultural Research Division
Shell Development Company
P. O. Box 1531
Modesto, California

Table 2.--Sources of compounds listed numerically (Continued)

(31) Heyden Chemical Corporation
Garfield, New Jersey

(32) Cincinnati Division
Toms River - Cincinnati Chemical Corporation
Evanston Station
Cincinnati, Ohio

(33) Research Division
Chipman Chemical Company, Inc.
Bound Brook, New Jersey

(34) Microbiological Laboratory
Nuodex Products Company, Inc.
Elizabeth, New Jersey

(35) Product Development Department
Shell Development Company
Emeryville, California

(36) Ethyl Corporation
100 Park Ave. Bldg. at 41st Street
New York 17, New York

(38) R. T. Vanderbilt Company
230 Park Avenue
New York 17, New York

(39) Research Department
Commercial Solvents Corporation
Terre Haute, Indiana

(40) Southern Chemical Division
The Glidden Company
P. O. Box 389
Jacksonville 1, Florida

(42) Field Laboratory
California Spray-Chemical Corporation
P. O. Box 120
Haddonfield, New Jersey

(43) Niagara Chemical Division
Food Machinery & Chemical Corporation
Middleport, New York

(44) Agricultural Research Division
Shell Development Company
P. O. Box 2171
Denver 1, Colorado

(45) Naval Stores Research Section
Southern Utilization Research Branch
Agricultural Research Service
U. S. Department of Agriculture
Naval Stores Station
Olustee, Florida

(46) Dr. W. T. Sumerford
Director, Pharmaceutical Chemistry
Research Laboratories
Mead Johnson and Company
Evansville 21, Indiana

(47) Process Research Department
Chemical Division
Merck and Company, Inc.
Rahway, New Jersey

(48) Chemical Control Department
The American Agricultural Chemical Company
50 Church Street
New York 7, New York

(49) Research Department
Ringwood Chemical Corporation
Woodstock, Illinois

(50) Department of Entomology
University of Maine
Orono, Maine

(51) Emulsol Chemical Corporation
59 East Madison Street
Chicago 3, Illinois

(52) Hydraulic and Sanitary Laboratory
College of Engineering
University of Wisconsin
Madison, Wisconsin

(53) Department of Botany and Plant Pathology
Colorado Agricultural and Mechanical College
Fort Collins, Colorado

(54) Research Laboratory
Columbia-Southern Chemical Corporation
Barberton, Ohio

(55) Agricultural Chemicals Development
Naugatuck Chemical
Bethany 15, Connecticut

Table 2. --Sources of compounds listed numerically (Continued)

(56) Technical Division
Pennsylvania Salt Manufacturing Company
Box 4388
Philadelphia 18, Pennsylvania

(57) Research Laboratories
Rohm and Haas Company
5000 Richmond Street
Philadelphia 37, Pennsylvania

(58) Entomology Research Branch
Agricultural Research Service
United States Department of Agriculture
P. O. Box 3391
Orlando, Florida

(59) Development Department
Organic Chemicals Division
Monsanto Chemical Company
800 North 12th Boulevard
St. Louis 1, Missouri

(60) Velsicol Chemical Corporation
330 East Grand Avenue
Chicago 11, Illinois

(62) Doe Run Plant
Olin Mathieson Chemical Corporation
P. O. Box 547
Brandenburg, Kentucky

(63) Research and Engineering Division
Wyandotte Chemicals Corporation
Wyandotte, Michigan

(64) New Product Development Department
American Cyanamid Company
30 Rockefeller Plaza
New York 20, New York

(65) Agricultural Chemicals
Research Laboratory
General Chemical Division
Allied Chemical & Dye Corporation
P. O. Box 405
Morristown, New Jersey

(66) Research Division
Dr. Salsbury's Laboratories
Charles City, Iowa

(67) Division of Industrial Chemistry
Commonwealth Scientific and Industrial Research Organization
Box 4331, G. P. O.,
Melbourne, Victoria, Australia

(68) Eastman Organic Chemicals Department
Distillation Products Industries
Rochester 3, New York

(69) Biochemicals - Development
B. F. Goodrich Chemical Company
Rose Bldg.
2060 East Ninth Street
Cleveland 15, Ohio

(70) W. R. Grace and Company
Research Division
Washington Research Center
Clarksville, Maryland

(71) Shell Chemical Company
119 South Claiborne
New Orleans, Louisiana

(72) E. I. du Pont de Nemours and Company
P. O. Box 525
Wilmington 99, Delaware

(73) R. M. Hollingshead Corporation
Camden 2, New Jersey

(74) Stauffer Chemical Company
Agricultural Research Laboratory
1496 East Fremont Road
Mountain View, California

(75) Union Carbide Chemicals Company
Division of Union Carbide Corporation
270 Park Avenue
New York 17, New York

(76) The Hubbard Hall Chemical Company
P. O. Box 790
Waterbury 20, Connecticut

(77) Thompson-Hayward Chemical Company
P. O. Box 768, Zone 41
2915 Southwest Blvd.
Kansas City 8, Missouri

Table 2.--Sources of compounds listed numerically (Continued)

(78) Carus Chemical Company (Inc.)
1375 Eighth Street
La Salle, Illinois

(80) J. T. Baker Chemical Company
Phillipsburg, New Jersey

(81) Schwarz Laboratories, Inc.
230 Washington
Mt. Vernon, New York

(82) Allied Chemical & Dye Corporation
National Aniline Division
Buffalo, New York

(83) Witco Chemical Company, Inc.
75 East Wacker Drive
Chicago 1, Illinois

(84) Benzol Products Company
239 South Street
Newark, New Jersey

(85) California Foundation for Biochemical Research
3408 Fowler Street
Los Angeles 63, California

(86) National Aniline and Chemical Company
Pharmaceutical Division
New York, New York

(87) Fisher Scientific Company
635 Greenwich
New York 14, New York

(88) The G. Frederick Smith Chemical Company
Columbus, Ohio

(89) The Coleman and Bell Company
Norwood, Ohio

(90) University of Michigan
Department of Chemistry
Lansing, Michigan

(91) Bios Laboratories, Inc.
17 West 60th Street
New York 23, New York

(92) Gamma Chemical Corporation
Great Meadows, New Jersey

(94) Matheson Coleman and Bell
2909 Highlard Avenue
Norwood (Cincinnati 12), Ohio
P. O. Box 85 East Rutherford, N. J.

(95) Nutritional Biochemicals Corporation
21010 Miles Avenue
Cleveland 28, Ohio

(96) W. H. Curtin and Company
Houston, Texas

(97) The New York Quinine and Chemical Works, Inc.
Subsidiary of S. B. Penick & Company
999 West Side Avenue
Jersey City 6, New Jersey

(98) Hartman Leddon Company, Inc.
60th and Woodland Avenue
Philadelphia, Pennsylvania

(99) Metal and Thermit Corporation
100 Park Avenue
New York 17, New York

(100) Scientific Oil Compounding Company, Inc.
1637-55 South Kilbourn Avenue
Chicago 23, Illinois

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