

**Lethal Effects of 1888 Chemicals
upon Four Species of Fish
from Western North America**

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Lethal effects of 1888 chemicals upon four species of fish from western North America¹

Craig MacPhee and Richard Ruelle²

Abstract

A piscicide screening program was conducted with 1,888 different chemicals mostly at concentrations of 10 ppm. The times at which fish lost their equilibrium and died are given for 2,552 separate 24-hour assays. The species tested were the northern squawfish (*Ptychocheilus oregonensis*), chinook salmon (*Oncorhynchus tshawytscha*), coho salmon (*Oncorhynchus kisutch*), and steelhead (*Salmo gairdneri*).

Introduction

Knowledge of the lethal effects of organic compounds on fish has increased markedly in the last decade. Our report extends this knowledge by denoting the relative toxicity of a large number of chemicals lethal to four species of freshwater fish from western North America. In particular the object of this report is to give the exposure times at which loss-of-equilibrium and death occurred at selected low concentrations of chemicals.

The data presented in this paper are the by-products of a preliminary screening program for determination of chemicals selectively lethal to squawfish and non-lethal to salmonid fishes. For the most part, test chemicals were organic and were selected from those already determined by Applegate *et al.*, (1957) as being biologically active at low concentrations.

Fish, Facilities, and Procedures

The species of fish tested were northern squawfish (*Ptychocheilus oregonensis*), steelhead (*Salmo gairdneri*), chinook salmon (*Oncorhynchus tshawytscha*), and coho salmon (*Oncorhynchus kisutch*). These fish measured about 5 to 10 cm long.

The salmonids were flown from the Eagle Creek National Fish Hatchery near Portland, Oregon, to Spokane, Washington. Shelton (1965) described techniques used for shipping these live fish by airplane. From Spokane, the fish were trucked to Mission Point near St. Maries, Idaho, where they were stored in a large wooden vat supplied with spring water at temperatures of 12 to 14 C. The salmonids were transported to the campus laboratory as needed.

¹ Operational studies contract with the Columbia River Fishery Development Program, Bureau of Commercial Fisheries, U. S. Fish and Wildlife Service.

² Present address: U. S. Bureau of Sport Fisheries and Wildlife, Yankton, South Dakota.

Squawfish were seined from the St. Maries River or Santa Creek, a tributary stream, and were either stored in a wooden vat on a tributary of the St. Maries River or brought directly to the campus laboratory for immediate use.

A series of insulated, round, stainless steel tubs (61 cm in diameter x 30 cm deep) were used for water baths. These baths were served by a common refrigerated reservoir through which temperature-controlled water was recirculated. Each tub held four 9.5-liter plastic aquaria and each aquarium was aerated by a single stone air-breaker and lined with a disposable polyethylene poultry bag (30 cm x 20 cm x 90 cm deep). The bag was closed at the top to prevent fish from escaping.

Fish were acclimatized at about the temperatures of the assay vessels. The acclimatizing period varied from 3 to 24 hours, but most fish were conditioned at least overnight. The test fish were starved during acclimatization and transferred to the assay vessels about two hours before addition of chemicals. Usually one squawfish and one each of two species of salmonid were placed together in one vessel in 4 liters of water, the load being about five grams of fish per liter of solution. Water temperature was taken several times during each test, only the highest temperature recorded in a 24-hour test period being given in our results.

The times at which a fish lost its equilibrium and died were recorded. For the purpose of this report, equilibrium was defined as lost when a fish was no longer able to remain right-side-up and death was designated when a fish ceased visible movement.

A concentration of 10 ppm of chemical was used for most assays, although other concentrations were occasionally tested. Most chemicals were dissolved in minimal amounts of water or acetone before we added them to assay vessels. Applegate et al., (1957) point out that small quantities of acetone are not harmful to fish and do not bias the results.

For the early tests, water was obtained from five different sources indicated in Table 1. Water from Rochat Creek was finally selected as being the most desirable and was used for most of the assays.

Chemical analyses of the water were made during summer when stream flows were low. The pH was determined with a Hellige color comparator and total hardness with a low-range hardness kit, Hach Model Ha-27-P.

Results

The elapsed times in hours in which an obvious change in the pathological status of fish were noted are given in Table 2. As these chemicals were selected on the basis of their biological activity at extremely small concentrations, almost all the chemicals were lethal to one or more species at a concentration of 10 ppm or less.

Explanation of Table 2

The names of the 1,888 chemicals listed in Table 2 are classified according to the system used by Chemical Abstracts. The trade or common name of some chemicals has been placed in capital letters following the classified name. These are listed alphabetically in Table 3 for cross-reference.

The code numbers in parentheses following the chemical name are those of the company submitting the chemical. The words "no code" are written where a code number was not given.

The numbers under the heading "chemical source" identify the chemical company from which the chemical originated. The names of these companies are listed in alphabetical order in Table 4.

To save space, the column headings under the species name are abbreviated to E for loss-of-equilibrium time, and D for death time. Under E and D a range of hours is given. The lower limit of a range indicates the time that the last observation was made before loss-of-equilibrium or death. The upper limit indicates the time that loss-of-equilibrium or death was noted. An average of the range gives the best approximation of the time that the status of a fish changed.

Observations which were made between zero and nine hours and forty-five minutes are rounded to the nearest half-hour; whereas, those which were made after nine hours and forty-five minutes are rounded to the nearest hour.

The presence of fish which neither died nor lost equilibrium is indicated by a dash. The absence of a dash indicates that a species was not tested.

The numbers under the column heading "water" refer to the water sources listed in Table 1.

Table 1. The chemical properties and identifying numbers of the waters used for fish assays.

Water source	Identifying number	pH	Alkalinity, parts per million	Hardness, parts per million
Rochat Creek	1	7.2	7	0-17
Mission Point Spring Water	2	7.2	67	34-51
Clearwater River	3	7.6	14	0-17
St. Maries River	4	7.2	17	0-17
Kamiah Spring Water	5			

Literature Cited

- Applegate, V. C., J. H. Howell, A. E. Hall, Jr., and M. A. Smith. 1957. Toxicity of 4,346 chemicals to larval lampreys and fishes. U. S. Fish and Wildl. Serv. Spec. Sci. Rep. Fish. 207, ii-157pp.
- Shelton, J. M. 1965. Plastic bag transportation of salmon and steelhead by air and car. Prog. Fish. Cult. 27(2):86.

TABLE 2. The loss-of-equilibrium and death intervals in hours of northern squawfish, chinook salmon, coho salmon, and steelhead trout subjected to small doses of fish toxicants.

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. F
				E	D	E	D	E	D	E	D		
1	92	Acetamide, <u>N</u> -benzyl- <u>N</u> -[<u>p</u> -benzyloxy] phenyl] - (Cr-815)	10	0-1½	3½-5	-	0-1½	0-1½	3½-5			1	52
2	71	2-(2,4-dichlorophenoxy)- (900,262)	10	0-1½	5-7	0-1½	1½-3½	0-1½	3½-5			1	51
3	92	di-(<u>p</u> -chlorophenyl)- (Lo-705)	1	-	-	11-15	15-19	-	-			1	53
			10	0-1½	1½-3½	-	0-1½	-	0-1½			1	52
4	60	<u>o</u> , <u>o</u> ,dimethylphenyl- (1 6332, Lot 021-194-111)	10	-	1-3	-	1-3	-	1-3			1	60
5	97	Iodo (1-1190)	5	-	-							2	53
			10	-	10-13							2	64
			10	-	-			-	-	-	-	4	50
6	92	<u>o</u> -mercapto- <u>o</u> -2-benzothiazyl- (Lo-176)	10	1½-3½	5-7	-	1½-3½	1½-3½	5-7			1	51
7	92	<u>N</u> -(2-methylallyl)- <u>N</u> -(1-naphthyl)- (Cr-739)	10	0-3½	-	0-3½	7½-12	0-3½	7½-12			1	53
8	60	<u>N</u> -methyl phenyl- (10883, Lot Q-121146)	10	-	0-1	-	0-1	-	0-1			1	59
9	92	<u>N</u> -(1-nitro-2-naphthyl)- (Cr-239)	10	0-1½	3½-5	0-1½	3½-5	0-1½	3½-5			1	49
10	92	<u>N,N'</u> -(<u>p</u> -phenylene) bis [<u>N</u> -2-methylallyl- (Cr-749)	1	0-2½	2½-6	0-2½	2½-6	0-2½	2½-6			1	56
			10	-	0-1½	-	0-1½	-	0-1½			1	52
11	5	Acetanilide, (2900)	10	-	-							2	64
12	92	4'-chloro- <u>N</u> -(2-methylallyl)- (Cr-743)	10	0-1½	-	5-7	-	1½-2½	-			1	52
13	92	2,4'-dichloro- (Q-80)	1	-	-	-	-	-	-			1	53
			10	0-1½	1½-3½	0-1½	1½-3½	0-1½	1½-3½			1	52
14	73	<u>p</u> -iodo (Bio-3390)	10	-	-	-	-	-	-			3	
15	92	4'-thiocyano- (Cr-36)	1	-	-	-	-	-	-			1	53
			10	-	0-2	-	0-2	-	0-2			1	54
16	100	Acetic acid, allylidene ester (No code)	10					0-3	3-5			1	51
17	73	ethyl dibromo-ester (Bio-3403)	10	-	10-12	-	1-4					3	
18	5	<u>p</u> -propylphenyl ester (Lot 23915L)	10	-	-							3	
19	77	(ethylenediamine) tetra- disodium salt (No code)	5	-	-			-	-			1	50

20	92	bis(4-chlorophenyl)- ester with β,β,β -tri-chlorolactonitrile (Er-159)	10	1½-3½	5-11	-	0-1½	0-1½	5-7	1	52	
21	92	x-bromo-2-(1-methylheptyl) phenoxy- ester with 2-bromo-4- <u>tert</u> -butyl-6-nitrophenol (Cr-1061)	1	-	2½-6	0-2½	2½-6	0-2½	2½-6	1	56	
			10	0-1½	5-7	-	0-1½	-	0-1½	1	52	
22	71	chloro- methyl ester (402,156)	5	-	-	-	12-16	-	16-22	1	50	
			10			3½-7½	7½-12	3½-7½	7½-12	1	53	
23	71	pentachlorophenyl ester (400,346)	1	0-2½	2½-6	0-2½	2½-6	0-2½	2½-6	1	56	
			1	0-2½	2½-6	-	2½-6	-	2½-6	1	56	
			10	-	0-1½	-	0-1½	-	0-1½	1	52	
			10	-	0-1½	-	0-1½	-	0-1½	1	52	
24	64	2,4-dichlorophenox- (6121)	10	-	-					2	64	
25	60	3,4-dihydroxyphenyl- (29430, Lot 10-A1-138A)	3	-	-	19-21	-	-	-	1	52	
			5	21-23	-	21-23	-	-	-	1	52	
			7	-	-	19-21	-	-	-	1	51	
			10	-	13-15	-	-	3½-5½ ^A	-	1	63	
26	113	Acetic Acid, 1,3-dioxo-2-isoindoline- (Lot 5535-JHD-95)	10	-	-	-	14-18	-	-	1	54	
	113	(ID U0919)	10	-	-	-	-	-	-	1	50	
27	60	4-ethoxy-3-methoxyphenyl- (ID 1323, Lot 780406)	10	-	-	-	-	-	-	1	64	
28	58	ethylene diamine tetr- (Lot 37255X)	10	-	-	-	-			2	64	
29	38	indole-3- (4271)	10	-	-					2	64	
30	5	iodo- (No code)	10	-	-					2	64	
31	52	isobornyl thiocyno- ester ("THANISOL 85")(X12694-65)	10	0-½	½-2		0-½	½-2	0-½	½-2	1	51
			10	-	0-½	-	0-½	-	0-½	3		
32	92	2-methyl-4,6-dinitrophenyl ester (Cr-351)	10	-	0-3½	-	0-3½	-	0-3½	1	52	
			10	-	0-1½	-	0-1½	-	0-1½	1	52	
33	97	β -naphthoxy- (No code)	10	-	-					2	64	

^A Regained equilibrium by 7½ hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F	
				E	D	E	D	E	D	E	D			
34	109	5-nitro-2-furfuryl iodo- ester	(NF-291)	1	-	4-8	0-1	1-4	-	0-1		1	50	
				2.5	-	3-5	-	1-3	-	1-3	-	1-3	1	50
				10	-	1-2	-	0-1	-	0-1			3	
35	5	β -phenyl	(No code)	10	-	-						2	66	
				10	-	-	-	-	-	-	-	1	53	
				10	-	-	-	-	-	-	-	1	51	
36	38	phenylmercuric- ester	(P4267)	1	-	0-1	-	0-1	-	0-1		1	51	
				5	-	0-1			-	0-1	-	0-1	1	50
				10	0-1/2	1/2-2 1/2			0-1/2	1/2-2 1/2	-	1/2-2 1/2	4	50
				10	-	0-1/2							2	68
37	97	Acetic acid, phenylmercuric ("PMAS" 10% water soln.)	(24)	1	-	8 1/2-13	-	1 1/2-2 1/2	0-1 1/2	1 1/2-2 1/2		1	58	
				10	-	0-3	-	0-3	-	0-3			1	52
38	60	Acetone, (2-cyclopenten-1-yl)-	(ID 1312, Lot 10-A1-135A)	10	-	1-3			-	1-3		1	50	
39	92	Acetone cyanohydrin	(No code)	10	-	0-1	-	0-1	-	0-1		1	51	
				10	0-1/2	1/2-1	-	0-1/2	-	0-1/2			3	
40	92	Acetonitrile, bis(4-chlorophenyl)-	(Q-159, ER-10)	10	-	15-19	5-7	7-11	-	15-19		1	52	
41	92	<u>p</u> -chloroanilino-	(FW-206)	1	-	-	-	11-15	-	8-11		1	53	
				10	0-1 1/2	1 1/2-3 1/2	0-1 1/2	1 1/2-3 1/2	0-1 1/2	1 1/2-3 1/2			1	52
42	123	diethylamino- -methyl-	(W-21, Lot 0-14233-D-)	10	-	0-1	-	0-1	-	0-1		1	52	
43	123	dodecylamino- -methyl-	(W-85, Lot 0-15968)	10	1-2	2-4	-	1-2	1-2	2-4		1	52	
44	123	ethoxyethylamino- -methyl-	(W-23, Lot 0-14234-B)	10	0-1	1-2	0-1	1-2	0-1	1-2		1	52	
45	73	Acetophenone, <u>p</u> -bromo-	(Bio-3373)	10	-	-	-	-	-	-		1	50	
46	71	2-bromo-4'-hydroxy-; benzoate	(402,142)	1	-	4 1/2-6 1/2	-	0-1	0-1	1-2 1/2		1	56	
				10	-	0-1 1/2	-	0-1 1/2	-	0-1 1/2			1	52
				10	-	-	-	0-3	-	0-3			1	52

47	73	<u>o</u> -bromo- <u>p</u> -nitro-	(Bio-3380)	1	-	3½-7½	-	0-3½	-	0-3½	1	50
				10	-	0-1½	-	0-1½	-		3	
48	71	2-chloro-2-phenyl-	(402,647)	1	-	-	13-17	17-21	-	-	1	58
				10	-	0-3	-	0-3	-	0-3	1	52
				10	-	0-1½	-	0-1½	-	0-1½	1	52
49	92	Acetophenone, 2,4'-dichloro-	(Q-19)	1	-	-	-	2½-6	-	2½-6	1	56
				10	-	0-1½	-	0-1½	-	0-1½	1	52
50	2	2,5-dichloro-	(D5490)	5	-	-	-	-	-	-	4	57
				10	0-1½ ^A	-	-	-	-	-	2	69
				15	0-1	1-16	-	-	-	-	2	53
51	60	3,4-dihydroxy chloro-	(ID 1049, Lot 720957)	10	-	-	-	18-21	-	18-21	3	
52	113	gall-	(ID U18, 020)	10	-	6-10	-	-	0-2	2-6	1	54
53	92	2-phenoxy-2-phenyl-	(Cr-444)	10	2-3½	-	0-2	6½-11	0-2	11-15	1	52
				10	0-1½	15-19	0-1½	3½-5	0-1½	15-19	1	52
54	92	2,2,4'-trichloro-	(Q-6)	1	-	-	-	11-15	-	-	1	53
				1	-	-	-	11-15	22-24	-	1	53
				2	0-1½	5½-9½	5½-9½	9½-14	-	5½-9½	1	53
				5	3½-5½	9½-14	-	5½-9½	-	1½-3½	1	53
				10	0-2	2-4	2-3½	3½-5½	0-2	2-4	1	54
				10	-	0-1½	0-1½	1½-3½	0-1½	1½-3½	1	52
55	71	2',4',6'-trimethyl-3',5'-dinitro-	(507,206)	10	-	-	-	-	-	-	1	48
56	71	2',4',6'-trimethyl-2-phenyl-	(105,509)	10	3-5	-	-	-	-	-	1	51
				15	-	-	-	-	-	-	1	48
57	92	Acetopropionic acid; 2-methylallyl ester	(SM-72)	10	-	-	-	-	-	-	1	49
58	71	<u>m</u> -Acetotoluidide	(501,046)	10	-	-	-	-	-	-	1	51
59	92	<u>o</u> -Acetotoluidide	(Cr-315)	10	-	-	-	-	-	-	1	51

^ARegained equilibrium by 24 hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water Temp. °F	
				E	D	E	D	E	D	E	D		
60	92	<u>o</u> -Acetotoluidide, <u>N</u> -2-methylallyl-	(Cr-740)	10	-	-	-	-	-	-	-	1	53
61	92	4'-nitro-	(Cr-329)	10	-	-	-	-	-	-	-	1	52
62	92	<u>p</u> -Acetotoluidide, <u>o</u> -(<u>p</u> - <u>tert</u> -butylphenoxy)-	(Cr-765)	10	-	-	6½-11	-	-	-	-	1	49
63	92	<u>N</u> -2-methylallyl-	(Cr-746)	10	1½-5½	-	1½-5½	-	1½-5½	-	-	1	56
64	92	x',x'-Acetoxylidide, <u>N</u> -2-methylallyl-	(Cr-747)	10	-	-	-	-	-	-	-	1	51
65	115	Acetylene, diphenyl ("TOLANE")	(0-4360-A)	7	3-5	-	-	-	3-5	-	-	1	48
				10	-	2-5	9-13	-	9-13	-	-	1	51
66	71	Acid 136	(Y00,352)	10	-	-	-	-	-	-	-	1	48
67	92	Acrylamide, <u>N</u> -isobutyl-3-phenylmercapto-	(SM-343)	10	0-1	-	-	-	0-1	-	-	1	48
68	115	Acrylic acid, <u>N</u> -octyl ester	(0-3827-A)	5	-	-	-	-	-	-	-	1	51
69	92	benzoyl-; 2-ethylhexyl ester	(SM-480)	10	-	5-7½	-	0-3	-	0-3	-	1	52
70	92	lauryl ester	(SM-400)	10	-	-	-	-	-	-	-	1	49
71	92	3-benzoyl-; 2-ethylhexenyl ester	(SM-262)	10	-	5-7	-	0-2	-	0-2	-	1	54
72	92	isobutyl ester	(SM-314)	1	-	0-2½	-	0-2½	-	0-2½	-	1	54
				10	-	1-3	-	0-1	-	0-1	-	1	54
73	92	3-butylamino-; ethyl ester	(SM-293)	10	-	-	-	-	-	-	-	1	53
74	92	<u>p</u> -chlorobenzoyl-	(SM-439)	10	-	-	-	-	-	-	-	1	51
75	92	nonyl ester	(SM-539)	10	-	-	-	4-6½	-	-	-	1	52
76	92	3-(<u>p</u> -chlorobenzoyl)-; butylcarbityl ester	(SM-540)	1	-	2½-6	0-2½	2½-6	0-2½	2½-6	-	1	53
				10	-	1-2½	-	0-1	-	0-1	-	1	50
77	92	Acrylic acid, isobutyl ester	(SM-471)	1	-	2½-6	0-2½	2½-6	0-2½	2½-6	-	1	56
				10	-	1-2	-	-	-	1-2	-	1	50
78	92	2-chloro-3-ethoxy-; ethyl ester	(WC-49)	10	2½-6½	-	-	11-15	-	-	-	1	52
79	92	<u>p</u> -methoxybenzoyl-	(SM-440)	10	-	-	-	-	-	-	-	1	53
80	92	3-(<u>p</u> -methoxybenzoyl)-; isobutyl ester	(SM-464)	1	0-2½	2½-6½	0-2½	2½-6½	0-2½	2½-6½	-	1	56

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water Temp. °F
				E	D	E	D	E	D	E	D	
101	116	Aluminum salt of pine gum 35%, and turpentine 65% (No code)	10	-	-	-	18-20	-	-			1 48
102	92	Amidophosphoric acid, <u>N,N</u> -diallyl-; diphenoxy ester (Lo-259)	10	-	-	-	11-14	-	-			1 51
103	92	<u>N</u> -isobutyl-; di(<u>l</u> -chloroethyl) ester (WC-67)	10	-	-	-	-	-	-			1 49
104	92	Amidophosphorous acid, <u>N,N</u> -dibutyl-; diphenyl ester (Lo-256)	10	-	-	0-3	3-5	0-3	3-5			1 51
105	52	Amine Oxide (X12194-100-1)	10	-	-	16-19	19-21					1 54
106	5	9-Aminoacridine (No code)	10	-	-	-	-	-	-			4 50
			10	-	2½-5							2 66
107	81	Ammonium; Antimony fluoride----sulphate (R-3-51)	10	-	-	-	14-19	-	-			1 58
108	93	Ammonium arsenate (No code)	10	-	-	-	-	-	-			1 53
109	78	Ammonium compounds, substituted; alkylbenzyl-dimethyl----chloride, 50% active ("BTC-824") (No code)	1	0-2½	2½-6	-	0-2½	-	0-2½			1 56
			10	-	0-3	-	0-3	-	0-3			1 52
110	78	42% <u>N</u> -alkyl-dimethyl-benzyl----chlorides 8% <u>N</u> -dialkyl methyl benzyl----chlorides, 50% inert ("BTC-776") (No code)	10	-	0-2	-	0-2	-	0-2			1 53
111	71	alkyltrimethyl----benzenesulfonate (Y01,510)	1	-	-	0-2½	2½-6	0-2½	2½-6			1 56
			10	0-½	1-2	-	0-½	-	0-½			1 50
112	71	alkyltrimethyl----benzenesulfonate (alkyl- approx. C ₁₂ H ₂₅) (Y01,504)	10	-	-	-	-	-	13-17			1 52
113	71	alkyltrimethyl---- <u>M</u> -nitrobenzene-sulfonate (alkyl-approx. C ₁₂ H ₂₅) (Y01,508)	10	-	-	-	-	-	-			1 53
114	81	benzyl-dimethyl----hexafluoroarsenate (R-3-38)	10	-	-	-	-	-	21-23			1 58
115	81	benzyl-dimethyl----hexafluoroarsenate (di- ethylcyclohexyl ammonium hexafluoro- arsenate) (R-3-38)	10	-	-	-	-	-	-			1 58
116	21	benzyl-dimethyl-dodecyl----chloride (15% active) (No code)	10	-	-	4½-8½	8½-13	-	-			1 58

			10	-	-	-	-	-	-	1	51
117	92	benzylidimethylphenyl----2-chloro-4,6-dinitro- phenoxide (Cr-1284)	10	-	5-9	-	2-5	-	5-9	1	51
118	92	benzylidimethylphenyl----4-chloro-2,6-dinitro- phenoxide (Cr-1283)	10	-	-	6½-11	11-15	-	-	1	52
119	92	Ammonium compounds, substituted; benzylidimethyl- phenyl----4,6-dinitro-2-methylphenoxide (Cr-353)	1	-	15-19	-	2½-6	-	2½-6	1	56
			10	-	0-1	-	0-1	-	0-1	1	49
120	92	benzylidimethylphenyl----2,6-dinitro-4-(1,1, 3,3-tetramethylbutyl) phenoxide (Cr-1113)	1	-	2½-4½	-	2½-4½	-	2½-4½	1	54
			10	-	0-1	-	0-1	-	0-1	1	50
121	123	benzylododecyltrimethyl----chloride (O-3503)	1	-	0-2½	-	0-2½	-	0-2½	1	54
			10	-	0-1	-	0-1	-	0-1	1	54
122	81	benzyltrimethyl----hexafluoroantimonate (R-3-141)	10	-	-	-	-	-	-	1	58
123	81	benzyltrimethyl----hexafluoroarsenate (MA-3-19)	10	-	-	-	-	-	-	1	58
124	81	benzyltrimethyl----hexafluorophosphate (MA-5-77)	0.5	-	-	-	-	-	-	1	50
			10	-	-	-	-	-	-	1	52
125	80	<u>N</u> -benzyl <u>N,N,N</u> ,-trimethyl----hexafluorophos- phate (Lot C-2-163)	10	-	-	-	-	-	-	1	49
126	81	benzyltrimethyl----hexafluorotitanate (MA-3-21)	10	-	-	1-2	-	-	-	1	58
127	68	benzyltrimethyl----hydroxide (40% in methanol) (C-5717-22, Lot 18)	10	-	-	-	-	-	-	1	49
128	68	benzyltrimethyl----methoxide (40% in methanol) (Lot 22)	10	-	-	-	-	-	-	1	49
129	81	bis-2-ethylhexyl----hexafluorophosphate (HH-4-109)	10	0-1	-	-	0-1	-	0-1	1	61
130	71	(5- <u>tert</u> -butyl-4-hydroxy- <u>o</u> -tolyl) trimethyl---- iodide (508,482-13)	10	-	-	-	-	-	-	1	51
131	81	Ammonium compounds, substituted; cetyltrimethyl- benzyl----monohydroxy pentafluoroarsenate (HH-4-86)	10	-	0-1½	-	0-1½	-	0-1½	3	
132	78	cetyltrimethyl----bromide (60% active in isopropanol) (No code)	1	-	-	-	0-2½	0-2½	2½-6	1	56
			10	-	0-1	-	0-1	-	0-1	1	49

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water Temp. °F		
				E	D	E	D	E	D	E	D			
133	92	cetyltrimethyl----salicylate (ER-2)	1	-	-	-	0-2½	-	0-2½			1	54	
			10	-	0-3	-	0-3	-	0-3			1	52	
134	123	decylbenzyltrimethyl----chloride (O-3733)	10	-	-	-	9-13	-	-			1	51	
135	81	di-amyl----tetrafluoroborate (MA-5-118)	10	-	-	-	-					1	58	
136	68	<u>N,N</u> -dibenzyl- <u>N,N</u> -dimethyl----chloride (C-5718, Lot 3)	10	-	-	-	-	-	-			1	52	
137	81	di- <u>N</u> -butyl----tetrafluoroborate (C-1-58)	10	-	-	-	14-19	-	14-19			1	72	
138	78	dilauryldimethyl----bromide ("ISOTHAN DL-1", 75% active in isopropanol) (No code)	1	-	-	-	17-21	5½-7½	7½-9½			1	58	
			10	-	0-1	-	0-1	-	0-1			1	54	
139	78	dimethylethylhexadecyl----bromide ("AMMONYX DME", 75% active) (No code)	1	-	-	-	2½-6	-	-			1	53	
			10	-	0-1	-	0-1	-	0-1			1	49	
140	78	dimethylethyl-octadecyl----bromide ("ONYXIDE", 75% active in isopropanol) (No code)	1	-	2½-6	0-2½	2½-6	-	0-2½			1	56	
			10	-	0-½	-	0-½	-	0-½			1	54	
141	8	dodecyltrimethyl----chloride ("ARQUAD 12") (No code)	1	-	-	15-19	-	-				1	53	
			10	-	0-2	-	0-2	-	0-2			1	54	
142	38	Ammonium compounds, substituted; hexadecyl trimethylbenzyl----bromide (T5650)	1	-	-	-	8-12	-	-			1	52	
			2	-	-							4	53	
			5	-	1-3½							2	57	
			5	-	1-4				-	1-4	-	1-4	4	49
			5	0-1	1-3				-	1-3			2	51
10	-	0-2								2	64			
143	81	hexadecyldimethylbenzyl----tetrafluoroborate (MA-3-194)	10	-	0-1½	-	0-1½	-	0-1½			3		
144	8	hexadecyltrimethyl----chloride ("ARQUAD 16") (No code)	1	-	4½-6½	-	0-1	-	0-1			1	56	

145	105	methylmenaphthyl-dodecyl dimethyl----chloride ("WARCOIDE 1400") 50% active	(No code)	10	-	0-1	-	0-1	-	0-1	1	54
											1	50
146	78	trimethyl----chloride (50% active tallow) ("AMMONYX-27")	(PF-615)	10	-	0-2	-	0-2	-	0-2	1	48
147	123	(methyltri-isopropylbenzyl) trimethyl---- chloride	(O-3717)	10	-	-	-	-	-	-	1	49
148	123	(tri-isopropylbenzyl) trimethyl----chloride	(O-3716)	10	-	-	-	-	-	-	1	51
149	71	(6-hydroxythymyl) trimethyl----iodide	(508,477-13)	10	-	3-5	2-3	3-5	-	3-5	1	51
150	71	Ammonium fluophosphate	(XOO,000)	10	-	-	-	-	-	-	1	53
151	81	Ammonium fluorosilicate	(MA-4-44)	10	-	-	-	-	-	14-19	1	72
152	81	Ammonium fluorotitanate	(R-1-13-1)	10	-	-	-	-	-	-	1	58
153	71	Ammonium sulfamate	(XOO,123)	10	-	-	-	-	-	-	1	53
154	92	Aniline; complex with ferrocyanic acid	(No code)	10	-	-	-	-	-	-	1	49
155	71	complex with 1/2F. wt. fluosilicic acid	(800,122-A2)	10	-	-	-	-	-	-	1	53
156	91	complex with trinitrobenzene	(No code)	10	1-2	2-3	0-1	1-2	0-1	1-2	1	50
157	104	<u>p</u> -acetoxy- (pure)	(No code)	10	-	-	-	-	-	-	1	49
158	92	<u>N</u> -benzyl- <u>p</u> -benzyloxy-	(Cr-172)	10	-	-	-	-	-	-	1	52
159	92	<u>N</u> -benzylidene-4-bromo-	(H-113)	1	-	-	-	-	-	-	1	53
				10	-	0-2	-	0-2	-	0-2	1	54
160	92	<u>N,N</u> -bis [2-(2- <u>p</u> -chlorophenoxyethoxy) ethyl] -	(Cr-828)	10	-	-	-	-	-	-	1	49
161	50	blue	(No code)	10	-	-	-	-	-	-	1	50
	23		(No code)	10	8 1/2-13	13-17	-	3-4 1/2	4 1/2-8 1/2	8 1/2-13	1	52
162	38	<u>m</u> -bromo-	(No code)	10	5-10	16-19	-	1 1/2-3 1/2	1 1/2-3 1/2	5-10	1	53
	43		(No code)	10	19-24	-	0-2	3-7	0-2	11-15	3	
163	73	4-bromo-	(Bio-3327)	10	-	-	-	-	-	-	1	50
164	92	4-bromo- <u>N,N</u> -dimethyl-	(H-151)	10	4 1/2-8 1/2	-	4 1/2-8 1/2	-	4 1/2-8 1/2	-	1	49
165	92	4-bromo- <u>N</u> -2-methylallyl-	(Cr-775)	10	0-4	-	-	-	-	-	1	51

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F	
				E	D	E	D	E	D	E	D			
166	92	4-bromo-N-2-methylallyl-hydrochloride	(Cr-776) 7	0-1 ^A	-	8-12	-	0-1	-			1	50	
			10	0-½	2½-6½	6½-11	-	2½-6½	-			1	49	
167	73	3-chloro-	(Bio-3324) 10	-	-	-	4-6	0-1	-			1	52	
168	32	3-chloro-N-(2,4-dichlorobenzylidene)-	(No code) 10	-	-	-	-	-	-			1	51	
169	92	Aniline; o-chloro-N,N-dimethyl-	(CR-299) 10	-	-	-	-	-	-			1	49	
170	92	2-chloro-N-2-methylallyl-	(Cr-742) 10	2-3	13-17	0-½	½-2	0-½	9-13			1	54	
171	73	2-chloro-4-nitro	(Bio-3328) 1	-	-	-	-	-	-			1	50	
			10	-	0-1	0-1	-	0-1	1-3			3		
	71	(900,964) 10	0-1	4-6	0-1	4-6	0-1	4-6			1	52		
172	92	3-chloro-4-thiocyano-	(Cr-57) 1	0-1	1-2½	-	0-1	-	0-1			1	50	
			10	-	0-1	-	0-1	-	0-1			1	53	
173	73	4-chloro-2-nitro-	(Bio-3329) 1	-	-	-	-	-	-			1	50	
			10	0-1	1-2	0-1	4-7	0-1	1-2			3		
	71	(900,841) 5	0-1	20-22	0-1	16-20	0-1	4-6			1	50		
			10	0-½	½-1½	0-½	1½-5½	0-½	1½-5½			1	59	
174	92	o-chloro-N-triphenylmethyl-	(Cr-1027) 10	-	-	-	-	-	-			1	49	
175	73	2,4-dichloro-	(Bio-3325) 10	0-2	-	0-2	2-4	0-2	2-4	0-2	4-6	1	50	
176	32	2,5-dichloro-	(No code) 1	0-1	2½-4½	0-1	2½-4½	0-1	2½-4½			1	54	
			10	-	0-1	-	0-1	-	0-1			1	49	
	73	(Bio-3326) 5	0-½	9-15	0-½	½-3	0-½	½-3	0-½	½-3	0-½	½-3	1	50
			10	0-½	½-3	0-½	1-2	0-½	1-2			3		
177	32	3,4-dichloro-	(No code) 10	0-½	5-7	0-½	3-5	0-½	5-7			1	54	
178	92	2,6-dichloro-N,N-dimethyl-	(Cr-432) 10	-	-	-	-	-	-			1	49	
179	92	diethyl-2,4-dinitro-	(No code) 10	0-1	5-9	0-1	5-9	0-1	5-9			1	52	

^ARegained equilibrium by 16 hours

180	92	<u>N,N</u> -dimethyl-; compd. with ferrocyanic acid	(Cr-99)	10	6-10	-	-	-	-	6-10	1	53
181	91	<u>N,N</u> -dimethyl- <u>p</u> -nitroso	(No code)	1	-	8½-13	-	2½-4½	-	4½-6½	1	56
				10	-	1-2½	0-1	1-2½	-	1-2½	1	50
182	92	Aniline, <u>N,N</u> -dimethyl- <u>p</u> -thiocyano-; picrate	(Cr-327)	1	0-1	8½-13	0-½	½-2½	0-½	½-2½	1	58
				10	0-½	½-1	-	0-½	-	0-½	1	48
183	71	2,4-dinitro-	(500,056)	1	-	-	4½-6½	17-21	-	-	1	58
				10	-	0-2	-	0-2	-	0-2	1	53
184	92	4,4'-dithiodi-2,2'-dichloro- <u>N,N,N',N'</u> -tetramethyl-	(Cr-447)	10	-	-	-	4-8	0-4	16-20	1	52
185	92	4,4'-dithiodi-2,2',6,6'-tetrachloro- <u>N,N,N',N'</u> -tetramethyl	(Cr-455)	10	5-9½	9½-13	0-3	3-5	0-3	3-5	1	51
186	92	<u>N</u> -ethoxymethyl- <u>N</u> -(2-methylallyl)-	(Cr-1110)	10	-	-	½-2½	-	-	-	1	49
187	81	hexafluorophosphate-	(RR-3-53)	0.5	-	-	-	-	-	-	1	50
				5	-	-	-	-	5-7	7-8½	1	50
188	92	<u>N</u> -2-methylallyl-; hydrochloride	(Cr-723)	10	-	-	-	-	-	-	1	49
189	59	<u>p</u> -nitro-	(Lot 218-PT-1)	10	-	-	-	-	-	-	1	50
190	92	<u>N</u> -2-(2- <u>o</u> -nitro- <u>p</u> - <u>tert</u> -butylphenoxyethoxy)ethyl-	(Cr-834)	10	1½-9	-	-	9-13	1½-9	-	1	56
191	71	4,4'-oxydi-	(501,143)	10	-	-	-	-	-	-	1	53
192	85	pentachloro-	(NP-897)	10	2-4	-	4-6	-	4-6	-	1	48
193	92	2-(2-phenoxyethoxy)-	(Cr-414)	10	½-2½	-	-	-	-	-	1	49
				15	0-1	1-2	0-1	8-12	0-1	-	1	52
				15	1-4	-	1-4	-	-	-	1	50
194	92	<u>p,p'</u> -sulfinyl-di- <u>N,N,N',N'</u> -tetramethyl	(Cr-1120)	10	-	-	-	-	-	-	1	52
195	92	Aniline, <u>N</u> -triphenylmethyl-	(Cr-1026)	10	-	-	-	-	-	-	1	49
196	91	Anisaldehyde	(No code)	10	-	6-10	0-2	2-6	-	2-6	1	53
197	71	<u>p</u> -Anisic acid, 3-allyl-	(106,616)	10	-	-	-	-	-	-	1	53
198	91	Anisid	(No code)	10	-	-	-	-	-	-	1	52
199	91	<u>o</u> -Anisidine; complex with trinitrobenzene	(No code)	10	1-2	2-4	1-2	2-4	1-2	2-4	1	48

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water Temp. F
				E	D	E	D	E	D	E	D	
200	91	compound with 1,3,5-trinitrobenzene	(No code) 10			1/2-1 1/2	1 1/2-4 1/2	1/2-1 1/2	1 1/2-4 1/2			1 59
201	71	complex with 1 f. wt. 1,3,5-trinitrobenzene	(5K0,252) 2	-	4-6	-	4-6	-	4-6			1 54
			5	-	5-7	-	3-5	-	3-5			1 53
			10	2-3	5-7	0-1/2	0-2	0-1/2	2-3			1 54
202	71	5-ethylsulfonyl-	(900,733) 10	-	-	-	-	-	-			1 53
203	91	p-Anisidine, 2-nitro-	(No code) 10	4-8	-	0-4	12-14	0-4	4-8			1 53
204	92	Anisil	(SM-273) 10	-	-	2 1/2-6 1/2	-	-	-			1 49
205	91	Anisoin	(No code) 10	-	2-6	-	2-6	0-2	2-6			1 53
206	60	Anisoin, desoxy-	(ID 1021, Lot 10-A1-133E) 10	-	-	-	-	-	-			1 50
207	92	Anisole, acrylylcapryl-	(SM-219) 10	-	-	-	-	-	-			1 49
208	115	6-tert-butyl-2,4-dinitro-3-methyl-	(O-2439) 10	0-1	-	0-1	13-17	0-1	9-13			1 48
209	92	p-camphanyl-	(Q-135) 10	-	-	-	-	-	-			1 49
210	92	4-chloro-2,6-dinitro-	(Cr-1276) 5	0-1 1/2	5 1/2-9 1/2	0-1 1/2	3 1/2-5 1/2	-	0-1 1/2			1 53
			10	0-1/2	1-2	0-1/2	1-2	0-1/2	5-7			1 56
211	92	2-chloro-4-nitro	(Cr-247) 10	0-1/2	13-17	1/2-1	9-13	1/2-1	1-2			1 56
212	32	Anisole, 4-nitro-2,3,5,6-tetrachloro	(No code) 10	-	6 1/2-11	-	2 1/2-6 1/2	-	2 1/2-6 1/2			1 49
213	92	p-tert-octyl-	(SM-478) 10	-	8-12	-	4-8	-	4-8			1 51
214	71	Anthracene	(000,434) 10	-	-	-	-	-	-			1 53
215	92	Anthranilic acid; copper (11) salt	(Cr-131) 10	-	3-5	1/2-1	3-5	1/2-1	2-3			1 53
216	92	N-acetyl-	(Cr-491) 10	-	-	-	-	-	-			1 49
217	92	N-acetyl-5-chloro-	(Cr-976) 10	-	-	-	-	-	-			1 49
218	92	N-benzoyl-	(Cr-1095) 10	-	-	-	-	-	-			1 49
219	92	N-benzyl-	(Cr-1097) 10	2 1/2-6 1/2	6 1/2-11	1/2-2 1/2	2 1/2-6 1/2	1/2-2 1/2	2 1/2-6 1/2			1 49
220	92	N-benzyl- copper (11) salt	(Cr-1098) 10	-	0-3 1/2	-	0-3 1/2	-	0-3 1/2			1 52

221	71	5-chloro-	(900,003)	10	-	-	-	-	-	-	1	53
222	92	<u>N</u> -(chloroacetyl)-	(Cr-1142)	10	-	-	-	-	-	-	1	52
223	92	<u>N</u> -(chloroacetyl)- copper (11) salt	(Cr-1143)	10	4-6	6-8	-	6-8	-	4-6	1	50
224	92	<u>N</u> -2-methylallyl-	(Cr-1102)	10	8-12	-	8-12	-	4-8	-	1	51
225	92	<u>N</u> -2-methylallyl- copper (11) salt	(Cr-1103)	10	-	1½-5½	-	1½-5½	-	1½-5½	1	59
226	92	<u>N,N'</u> -methylenedi-	(Cr-1100)	10	-	-	-	-	-	-	1	52
227	92	<u>N,N'</u> -methylenedi- copper (11) salt	(Cr-1101)	10	-	-	17-19	-	17-19	-	1	52
228	92	<u>N</u> -tridecanoyl-	(Cr-1106)	1	-	2½-6	-	0-2½	-	0-2½	1	56
				10	-	½-1½	-	½-1½	-	½-1½	1	56
229	92	<u>N</u> -tridecanoyl- copper (11) salt	(Cr-1107)	10	-	-	-	21-25	-	-	1	54
230	71	Anthraquinone	(100,275)	10	5-9	9-13	-	5-9	-	5-9	1	52
231	71	Anthraquinone, 2-amino-1,3-dibromo-	(900,133)	10	-	-	-	-	-	-	1	53
232	115	chloro-	(0-64)	10	-	2-6	-	0-2	-	2-6	1	53
233	59	1-chloro-	(Lot 688)	10	-	-	-	11-16	11-16	-	1	50
234	71	2-ethyl-	(101,090)	10	6-10	-	6-10	-	-	-	1	53
235	71	2-Anthroic acid, 3-hydroxy-	(101,089)	10	2-6	6-10	-	2-6	-	2-6	1	53
236	120	Antibiotics, antimycin	(No code)	10	0-½	1-2	-	0-½	-	0-½	3	
237	113	decoyinine	(ID U7984)	10	-	-	-	10-14	-	16-19	1	54
238	113	porfiromycin	(ID U14,743)	10	-	0-1	-	0-1	-	0-1	1	59
239	106	psicofuranine	(ID U9586)	10	19-21	-	-	-	6-10	21-23	1	52
240	62	Antimony chloride, SbCl ₃	(No code)	10	-	-	-	-	-	-	1	51
241	62	SbCl ₅	(No code)	10	-	-	-	-	-	-	1	51
242	71	Antipyrine, 4-amino-	(500-033)	10	-	-	-	-	-	-	1	52
243	71	1-Apocamphaneethanol, 2-chloro-; acetate	(401,995)	10	0-2	-	-	-	2-6	-	1	53
244	65	Aramite	(79)	10	-	-	-	9-13	-	-	1	56
245	71	<u>m</u> -Arsanilic acid, 4-(2-hydroxypropoxy)-	(500-206)	10	-	-	-	-	-	-	1	53
				10	-	-	-	-	-	-	1	53

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F	
				E	D	E	D	E	D	E	D			
246	71	Arsine, tri- <u>p</u> -tolyl-	(001,074)	10	-	-	-	-	-	-	-	1	53	
247	71	Arsinic acid, phenyl (<u>p</u> -sulfamylphenyl)-	(904,587)	10	-	-	-	-	-	-	-	1	52	
248	71	phenyl (<u>p</u> -sulfophenyl)-	(402,843)	10	-	-	-	-	-	-	-	1	51	
249	73	Arsonic acid, <u>p</u> -hydroxybenzene-, disodium salt (Bio-3371)	(Bio-3371)	5	-	-	-	-	-	-	-	1	50	
				10	-	-	-	-	-	-	-	3		
250	71	Astrazonblau B	(Y00,050)	1	-	-	-	8-11	-	-	-	1	53	
				10	-	½-1½	-	½-1½	-	0-½	-	1	56	
251	71	Astrazongelb 3G	(Y00,052)	10	-	3-5	1-2	3-5	1-2	3-5	-	1	53	
252	71	Astrazongelb 5G	(Y00,053)	10	-	-	-	-	0-1	1-2	-	1	50	
253	71	Astrazonorange G	(Y00,054)	10	7½-11	-	-	7½-11	-	0-3	-	1	52	
254	71	Astrazonorange R	(Y00,055)	10	-	1½-5½	-	1½-5½	-	1½-5½	-	1	59	
255	91	<u>m,m'</u> -Azotoluene, 4,4'-diamino-	(No code)	1	-	-	-	-	-	-	-	1	49	
				10	-	0-3	-	0-3	-	0-3	-	1	52	
256	60	Barbituric acid (ID 1069, Lot 10-A1-133A)	(ID 1069, Lot 10-A1-133A)	10	-	-	-	-	-	-	-	1	50	
257	60	5-allyl-1-methyl-5-(1-methylbutyl)-2-thio- (1 7528, Lot 007-165-23)	(1 7528, Lot 007-165-23)	10	-	0-3½	-	0-3½	-	0-3½	-	1	65	
258	60	5-crotyl-5-isobutyl- (12433, Lot 023-236-166)	(12433, Lot 023-236-166)	10	-	0-1	-	0-1	-	0-1	-	1	59	
259	60	diethyl (Amobarbital) (ID 1001, Lot 757235)	(ID 1001, Lot 757235)	10	-	-	-	-	-	-	-	1	50	
260	60	diethyl (Secobarbital) (ID 1057, Lot 792548)	(ID 1057, Lot 792548)	10	-	-	-	-	-	-	-	1	50	
261	60	5-ethyl-5-(1-ethylpropyl)-1-methyl-2-thio- (13543, Lot 070-186-205)	(13543, Lot 070-186-205)	10	-	0-1	-	0-1	-	0-1	-	1	59	
262	81	Barium chlorofluoride (MA-4-63)	(MA-4-63)	10	-	-	-	-	19-21	-	-	1	52	
263	38	Benzaldehyde, <u>p</u> -chloro-	(P563)	10	2-14	-	-	-	2-14	14-20	-	2-14	4	50
				10	6-10	-	-	-	-	-	-	-	2	66
				15	-	6-20	-	-	½-4	4-6	½-4	4-6	3	50
				15	16-19	-	-	-	-	-	-	-	2	53

264	123	Benzaldehyde, 3,4'-dichloro- oxime	(63)	1	-	8-11	0-2½	2½-6	-	0-2½	1	54		
				10	-	0-3	-	0-3	-	0-3	1	52		
265	60	4-ethoxy-3-methoxy-	(ID 1063, Lot 790646)	10	-	-	-	-	5-9	13-17	1	58		
266	115	<u>o</u> -hexyloxy-	(O-5868-a)	1	1-2 ^A	-	-	-	-	-	1	53		
				10	-	0-3	-	0-3	-	0-3	1	52		
267	73	<u>m</u> -hydroxy-	(Bio-3372)	2.5	-	-	-	-	-	-	1	50		
				10	12-14	16-18	3-6	16-18	-	-	3			
268	58	<u>o</u> -hydroxy-; oxime	(Lot 25293)	10	0-5	-	-	-	-	-	4	60		
269	71	<u>p</u> -hydroxy-thiosemicarbazone	(902,230)	10	-	13-15	13-15	17-19	-	9-13	1	56		
270	53	3-nitro-4-chloro-; oxime	(89)	10	0-½	3-5	0-½	1-2	0-½	7-17	1	56		
271	5	2,4,6-trimethyl-	(Lot 38677)	10	0-½	-	-	-	0-½	-	0-2	2-14	4	50
				15	0-½	-	-	-	0-½	6-20	0-½	½-4	3	59
272	93	Benzamide, 2-chloro-4-nitro-	(C-28)	10	-	-	-	-	-	-	2	53		
273	93	3,5-dinitro-	(PRM 14908)	10	-	-	-	-	-	-	2	58		
274	92	Benzanilide, <u>N</u> -2-methylallyl-	(Cr-748)	5	0-1½	9½-14	0-1½	5½-9½	0-1½	5½-9½	1	53		
				5	-	-	0-1	10-12	1-3	12-16	1	50		
				10	0-½	1½-5½	0-½	9-13	0-½	5½-9	1	56		
275	73	Benzene, 2-amino phenyl-	(Bio-3345)	10	0-½	-	0-½	-	0-2	-	3			
276	73	1,2-bis(bromomethyl)	(Bio-3396)	10	0-½	1½-4½	0-½	1½-4½	-	-	3			
277	92	1,3-bis(chlorosulfonyl)-4-methoxy-	(FW-37)	5	-	-	-	-	17-21	-	1	54		
				10	-	-	-	-	-	13-17	1	54		
				10	-	0-3	0-3	11-16	0-3	7½-11	1	52		
278	92	Benzene, 1,3-bis(2-phenoxyethoxy)-	(Cr-421)	10	-	1-3	-	1-3	1-3	4-6	1	50		
279	73	1-bromo-2,4-dinitro-	(Bio-3377)	5	4-6	19-20	2½-4	4-6	-	6-8	6-8	16-18	1	50
				10	½-1½	2½-9½	-	½-1½	-	-	3			
280	92	<u>p</u> -chloronitro-	(Q-238)	10	4-6	-	1-2	12-16	0-1	1-2	1	50		

^ARegained equilibrium by 6½ hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F		
				E	D	E	D	E	D	E	D				
281	32	3-chloronitro-	(No code)	10	-	17-21	0-½	9-13	½-2	17-21	-	-	1	54	
282	73	1,2-diamino-	(Bio-3353)	10	-	-	-	18-22	22-24	-	-	-	1	50	
				10	-	-	-	-	-	-	-	-	3		
283	73	1,4-diamino-	(Bio-3351)	8	-	-	-	-	-	-	-	-	1	53	
				10	-	-	-	-	-	-	-	3	50		
				12	-	-	-	-	-	-	-	1	53		
284	71	p-dibromo-	(000,712)	1	6½-8½ ^A	-	-	-	-	-	-	-	1	49	
				10	-	0-1	-	0-1	-	0-1	-	1	49		
285	73	(1,2-dibromoethyl)	(Bio-3395)	10	0-1	17-19	0-1	2-3	0-1	17-19	-	-	1	52	
286	35	o-dichloro-	(No code)	1	-	-	0-2½ ^B	-	0-2½ ^B	-	-	-	-	1	53
				10	-	0-3	-	0-3	-	0-3	-	1	52		
				10	0-2	5-7	0-2	3-5	2-3	-	-	1	54		
				10	0-½	-	0-½	3-5	0-½	3-5	-	1	54		
287	35	x,x-dichloro-x-nitro-; mixture of isomers ("TAROPHEN CNB 33")	(No code)	10	0-½	13-17	0-½	5-7	0-½	5-7	-	-	1	54	
288	73	1,2-dichloro-4-nitro-	(Bio-3366)	10	0-½	-	0-½	-	0-½	-	-	-	3		
				10	0-1	-	-	-	0-1	10-12	-	1	48		
289	71	Benzene, 1,4-dichloro-2-nitro-	(900,827)	10	0-¾	-	0-¾	-	0-¾	-	-	-	1	52	
290	92	2,5-dichloro-1-nitro-	(Cr-244)	10	0-½	-	0-½	9-13	0-½	7-9	-	-	1	54	
291	73	2,5-dichloronitro-	(Bio-3363)	10	0-½	-	0-½	6-14	0-½	-	-	-	3		
292	73	2,4-dinitrochloro-	(Bio-3362)	10	0-1	2-3	0-½	½-2	0-½	½-2	-	-	3		
293		1,3-dinitro-2,4,6-trichloro-; from dehydrochlorinated BHC isomers	(No code)	1	-	2½-6	0-2½	2½-6	-	2½-6	-	-	1	56	
				10	0-½	1-2	0-½	1-2	0-½	1-2	-	1	50		

^ARegained equilibrium by 13 hours^BRegained equilibrium by 6 hours

294	5	iodo-	(353405)	10	-	-	-	-	-	-	2	64
295	73	r-nitro- (dibromomethyl)	(Bio-3399)	10	0-½	1½-4½	-	0-½	-	-	3	
				10	-	6-8	-	0-2	-	0-2	1	50
296	73	2-nitrochloro-	(Bio-3364)	10	-	-	0-½	2-6	0-½	2-6	3	
297	59	p-nitrochloro-	(Lot 507)	10	0-2	-	8-12	18-20	0-2	18-20	1	52
				10	-	-	-	16-19	-	19-23	1	52
298	92	octyl-	(V-43)	10	0-½	9-13	0-½	5-7	0-½	9-13	1	56
299	32	pentachloroni tro-	(No code)	10	-	-	-	20-24	-	16-20	3	
300	3	1,2,3,4-tetrachloro-	(No code)	5	0-1	-	-	-	-	-	1	50
				10	0-1	1-2	-	-	0-1	-	1	50
301	32	2,3,4,5-tetrachloronitro-	(No code)	4	10-16	-	-	-	-	-	1	50
				10	0-½	9½-14	0-½	5½-9½	2½-5½	5½-9½	3	
302	90	1,2,4-trichloro-	(No code)	10	0-½ ^A	-	0-½ ^B	-	0-½	3-5	1	54
303	117	1,3,3-trichloro-4,6-dinitro- ("VANCIDE PB")	(No code)	10	-	0-2	-	0-2	-	0-2	1	48
304	60	Benzeneearsonic acid, p-carbamido- ("CARBARSONE") U. S. P.	(ID 1033, Lot 789589)	10	0-½	1-6	0-½	1-6	-	0-½	3	
305	35	Benzeneearsonic acid, 4-hydroxy-3-nitro-	(Bio-3388)	10	-	-	-	-	-	-	1	51
	71		(500,196)	10	-	-	-	-	-	-	1	58
306	64	1,2-benzenediol ("CATECHOL")	(No code)	5	-	-	-	-	-	-	4	57
				5	6½-22	22-27	-	-	-	-	2	57
				10	0-1½	1½-4½	-	-	-	-	2	69
				10	-	0-3	-	0-3	-	0-3	1	52
307	92	Benzenemethanethiol, p-chloro-S-(4,5-dihydro- imidazol-2-yl)-; hydrochloride	(Lo-149)	10	17-19	-	0-1½	7½-12	0-1½	7½-12	1	52
308	92	Benzenesulfonanilide, x,x-diisopropyl-	(Cr-1580)	10	-	-	-	-	-	-	1	48
309	92	x,x-diisopropyl-4'-nitro-; sodium salt	(Cr-1610)	1	-	2½-6	-	2½-6	-	2½-6	1	50

^ARegained equilibrium by 2½ hours

^BRegained equilibrium by 13 hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F	
				E	D	E	D	E	D	E	D			
				10	-	0-½	-	0-½	-	0-½		1	56	
310	123	Benzenesulfonic acid; cetylpyridinium salt	(O-4226)	1	-	-	-	4½-6½	-	-		1	58	
				10	0-1	1-2	-	0-1	-	0-1		1	50	
311	123	laurylpyridinium salt	(O-4221)	1	-	-	-	-	-	-		1	49	
				5	-	5-7½	-	0-3	-	0-3		1	52	
				10	-	1-2½	0-1	1-2½	-	1-2½		1	50	
312	123	2-phenoxyethyl ester	(O-2308-C)	10	0-1 ^A	-	0-1 ^A	-	0-1 ^A	-		1	50	
313	123	phenyl ester	(O-3748)	10	½-1½	-	½-1½	5½-9	½-1½	1½-5½		1	59	
314	123	<u>x-sec</u> -butyl-; butyl ester	(O-2648)	10	0-1	1-2½	0-1	1-2½	1-2½	4½-6½		1	50	
315	123	isobutyl ester	(O-3452)	10	0-1	4½-6½	1-2½	4½-6½	-	2½-4½		1	48	
316	123	Benzenesulfonic acid; phenyl ester	(O-3587)	10	6½-8½	-	-	13-17	1-2½	2½-4½		1	48	
317	71	<u>p</u> -chloro-; alkyltrimethyl ammonium salt	(Y01,511)	1	-	-	-	1-2½	-	1-2½		1	53	
				10	-	0-1	-	0-1	-	0-1		1	50	
318	92	2,4-dichlorophenyl ester	(Q-207)	10	-	-	-	-	-	-		1	49	
319	92	dinitrocaprylphenyl ester	(Q-200)	1	-	0-1	-	0-1	-	0-1		1	51	
				10	-	0-½	-	0-½	-	0-½		1	54	
320	92	dinitrocyclohexylphenyl ester	(Q-210)	1	-	2½-4½	-	2½-4½	-	4½-6½		1	56	
				10	-	2-3	0-½	1-2	0-1	1-2		1	52	
321	92	dinitroisopropylphenyl ester	(Q-215)	10	-	1-2	0-1	2-4	-	1-2		1	50	
322	92	2,4-dinitrophenyl ester	(Q-206)	1	8½-13	13-17	0-1	1-2½	1-2½	2½-4½		1	58	
				10	0-1½	1½-3½	-	0-1½	0-1½	1½-3½		1	52	
323	92	<u>p</u> -methoxyphenyl ester	(SM-408)	10	0-2	17-21	4-6	10-12	4-6	8-10	2-4	6-8	1	52
324	92	<u>p</u> -methylphenyl ester	(Q-202)	10	0-3	-	3-5	5-7½	-	-		1	51	

^ARegained equilibrium by 24 hours

325	92	p-nitrophenyl ester	(Q-204)	10	1½-3½ ^A	-	0-1½	-	0-1½	-	1	52
326	92	p-chloro-; 6-phenyl-2,4-dinitrophenyl	(Q-218)	10	-	2-4	-	-	-	2-4	1	48
327	92	p-chlorothioli-; trichloro methyl- ester	(Lo-566)	1	-	0-1	-	0-1	-	0-1	1	51
				10	-	0-1	-	0-1	-	0-1	1	51
328	92	3,4-dichloro; dinitrocarylphenyl ester	(Q-212)	10	-	3½-7½	0-3½	3½-7½	-	0-3½	1	53
				10	-	3-5	-	0-2	-	0-2	1	54
329	92	Benzenesulfonic acid, 3,4-dichlorothioli-; tri-chloromethyl ester	(Lo-567)	1	-	1-2½	-	0-1	-	0-1	1	53
				10	-	0-1	0-½	½-1	-	0-1	1	51
330	123	keryl-; ethanolamine salt	(0-4495-4)	10	-	-	-	-	-	-	1	51
331	92	p-nitro-; dinitrocarylphenyl ester	(Q-223)	10	-	3½-7½	-	0-3½	-	0-3½	1	53
332	71	thioli-; phenyl ester	(404,040)	10	-	0-3½	-	0-3½	-	0-3½	1	52
333	92	Benzenethioli, cyclohexylammonium salt	(WC-17)	10	-	-	-	7½-12	-	7½-12	1	53
334	71	Benzil	(102,848)	10	-	-	-	-	-	-	1	53
			(Lot 11970L)	10	-	-	-	-	-	-	2	64
335	66	Benzimidazole, 2-(4'-thiazolyl)- ("THIABENDA-ZOLE")	(L585216-0-40)	10	-	-	-	-	-	-	1	50
				10	-	-	-	-	-	-	1	50
			(63RTS166)	10	-	-	-	11-16	-	11-16	1	50
336	71	1 H-Benz [F] indene, 2,3-dihydro-	(106,631)	5	0-1	2-4	0-1	2-4	0-1	4-6	1	51
				10	-	0-1	0-1	1-2	0-1	1-2	1	51
337	71	11 H-Benzo [a] carbazole	(802,674)	10	16-22	-	16-22	-	22-24	-	1	54
338	60	4-Benzodioxane, 2-(N-butylaminomethyl)-5-chloro-8-ethoxy-1-	(26565, Lot 390-316-123)	10	-	0-3½	-	0-3½	-	3½-7½	1	65
339	92	1,3-Benzodioxane, 6-chloro-3(2-mercaptomethylimidazolyl)-; hydrochloride	(WC-38)	10	-	-	-	-	-	-	1	49
340	73	4,3-Benzodioxathiepin-3-,6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a,hexahydro-6,9-methano-2-; oxide ("THIODAN") Technical	(1318)	10	0-1	1-3	-	0-1	-	0-1	1	51

^A Regained equilibrium by 13 hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
341	115	Benzoic acid; 2-chlorophenyl ester	(O-3806-A)	10	½-1½	5½-9½	0-½	1½-3½	0-½	1½-3½		1	50
342	115	Benzoic acid; 2,4-dinitro-6-cyclohexylphenyl ester	(O-156)	5	-	2-4	-	0-2	-	0-2		1	52
				10	-	-	-	5-6	-	2-4		1	54
				15	-	7-11	-	3-7	-	3-7		1	52
343	92	p-methoxyphenyl ester	(SM-412)	10	-	7½-13	2-4	7½-13	-	2-4		1	50
344	92	methyl ester	(Cr-92)	10	0-1	2-4	0-1	2-4	0-1	2-4		1	50
345	92	p-acetamido-; copper (11) salt	(Cr-1093)	10	-	1-5	-	0-1	-	1-5		1	53
346	88	p-amino-	(Lot 20783)	10	-	-						2	64
347	2	p-chloromercuri-	(C-4960)	5	-	-						2	58
				5	-	6½-18			-	1-2½		1	51
				10	-	2-14			-	2-14	-	0-2	4
				10	-	13-21						2	66
348	73	4-chloro-3-nitro-	(Bio-3331)	10	-	-	-	-	-	-		3	
349	60	p-cyclohexyloxy-	(ID 1310, Lot 774864)	10	-	-	-	-	-	-		1	64
350	73	3,5-diiodo-2-hydroxy-	(Bio-3391)	10	-	1-2	-	1-2	-	1-2		1	51
351	73	3,5-diiodo-4-hydroxy-	(Bio-3392)	10	-	-	-	-	-	-		1	51
352	60	2-(4-hydroxybenzoyl)-	(ID 1325, Lot 778606)	10	-	-			-	-		1	64
353	5	iodo-	(No code)	10	-	-						2	64
354	66	methyl 4-acetamido-2-ethoxy ester ("ETHO-PABATE")	(63RIS169)	10	-	-	-	16-19	16-19	-		1	53
				10	-	-	-	-	-	-		1	50
355	92	m-nitro-β-thiocyanoethyl ester	(Cr-140)	10	-	0-3	-	0-3	-	0-3		1	53
356	92	Benzoic acid; p-(2-methylpropenyl) phenyl ester	(Cr-437)	10	-	0-1	-	0-1	-	0-1		1	53
357	92	2,2,3-trichlorobutyl ester	(Lo-162)	10	-	-	-	-	-	-		1	49
358	92	o-thiocyano-; iron (ferric) salt	(Cr-55)	10	-	-	-	-	-	-		1	53

359	92	Benzophenone, 4-benzylamino-	(Cr-457)	10	0-3 ^A	-	-	-	0-3	3-7		1	52	
360	92	4-(2-bromoethoxy)-	(Cr-982)	5	-	1-2	-	1-2	0-1	-		1	54	
				10	0-3	7-12	0-3	-	0-3	-		1	54	
361	92	4-bromomethyl-	(Cr-468)	10	0-1	4-6	-	4-6	-	4-6		1	54	
362	92	2,2'-dichloro-	(WC-85)	10	0-2	-	-	0-2	-	2-4	-	0-2	1	52
363	85	2,4'-dichloro-	(NP-822a)	10	0-1	2-4	-	2-4	1-2	2-4		1	54	
364	115	4,4'-dichloro-; oxime, N-ethyl ether	(O-5076)	10	-	-	-	-	-	-		1	51	
365	92	4-hydroxy-3-nitro	(Cr-920)	10	-	0-3	-	0-3	-	0-3		1	53	
366	92	4-hydroxy-3-nitroacetate	(Cr-921)	10	-	0-3	-	0-3	-	0-3		1	53	
367	5	4-methyl-	(No code)	10	0-3 ^{1/2}	15-18			-	3 ^{1/2} -15	-	3 ^{1/2} -15	1	54
				10	0-2 ^B	-			-	-	0-2	2-14	4	50
				10	0-1 ^{1/2} ^B	-							2	64
368	58	[1] Benzopyran-5-one, 4,9-dimethoxy-7-methyl-5H-furo [3,2-g] ("KHELLIN")	(Lot 42046)	10	15-18	-			-	-	-	-	1	51
				10	-	-							2	57
369	38	p-Benzoquinone pract.	(P220)	1	-	0-3	-	0-3	-	0-3	-	0-3	1	50
				5	0-1/2	1/2-1			0-1/2	1/2-1			4	59
				5	0-1	1-2							2	57
				10	0-1/2	1/2-1							2	69
				10	0-1/2	1/2-2 ^{1/2}			-	0-1/2	0-1/2	1/2-2 ^{1/2}	4	50
				10	-	0-1							2	67
370	71	p-Benzoquinone, (p-ethoxyphenyl)-	(107,562)	10	-	1/2-1 ^{1/2}	-	1/2-1 ^{1/2}	-	1/2-1 ^{1/2}			1	49
371	38	methyl-	(P3520)	5	-	1-2 ^{1/2}			-	0-1	-	0-1	1	50
				10	-	0-1/2			-	0-1/2	-	0-1/2	4	48
				10	-	0-2							2	68
372	72	tetrachloro- ("SPERGON", wettable, 48% active)	(No code)	10	1-2	2-4	-	0-1	0-1	1-2			1	50

^ARegained equilibrium by 19 hours^BRegained equilibrium by 24 hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
373	92	Benzothiazole, 2-acetamido-7-benzoyl-	(Cr-498) 10	-	9-12	22-24	-	-	9-12			1	54
374	117	5-chloro-2-mercapto- ("VANCIDE 22")	(No code) 10	-	0-2	-	0-2	-	0-2			1	48
			10	-	0-1	-	0-1	-	0-1			5	
375	92	2-(2,4-dinitrophenylmercapto)-	(Lo-143) 10	-	-	0-1	1-3½	0-1	1-3½			1	55
376	117	lauryl pyridinium 5-chloro-2-mercapto- ("VANCIDE 26EC")	(No code) 10	0-4	4-7	-	0-4	-	0-4			1	52
377	117	2-mercapto- 2.4% (and carbamic acid, dimethyl-dithio- sodium salts of 27.6%) ("VANCIDE 51")	(No code) 10	-	13-17	-	5½-7½	-	7½-13			1	51
			(No code) 10	-	4-18			-	0-4			4	63
378	117	Benzothiazole, 2-mercapto- zinc salt ("ZETAX")	(No code) 10	1-4	-			0-1	1-4½	0-1	1-4½	3	48
379	117	monoethanolammonium 2-mercapto- ("VANCIDE 20S")	(No code) 10	0-½	-			0-½	1-5	0-½	1-5	4	57
			(ID 4) 10	0-1	-			0-1	1-2½	0-1 ^A	-	1	51
380	117	N-oxdiethylene-; 2-sulfenamide ("AMAX")	(No code) 10	-	-	-	-	7-11	-			1	50
381	117	sodium 5-chloro-2-mercapto- (sodium salt of chlorocaptax) ("VANCIDE 22")	(No code) 10	0-1	3-7	-	0-1	0-1	1-3			1	64
382	117	sodium 2-mercapto- ("NACAP")	(No code) 10	0-2	7-11	0-2	2-4	0-2	2-4			1	52
			10	0-½	-	0-½	2-6	0-½	2-6			3	
383	117	sodium 2-mercapto- with sequestering agents added ("VANZAK WL")	(No code) 10	-	16-20			0-½	16-20	-	16-20	3	55
384	117	zinc 5-chloro-2-mercapto- ("VANCIDE 30")	(No code) 10	0-2	2-5			0-½	0-2	0-½	0-2	3	55
385	91	Benzotriazole	(No code) 10	-	-	-	-	-	-			1	53
386	71	1H-Benzotriazole, 6-nitro-	(502,676) 10	-	7½-12	-	1-3½	-	1-3½			1	55
387	109	Benzotrifluoride, 3-hydroxy-2,4,6-trinitro-	(No code) 10	-	-			-	0-2			1	53
388	109	2,4,6-trinitro	(No code) 10	0-½	½-2			0-½	½-2	0-½	½-2	1	51
389	92	2H-1,3-Benzoxazine, 6-tert-butyl-3-cyclohexyl-3,4-dihydro-	(SM-360) 10	-	0-3	-	0-3	-	0-3			1	53

^AMissing from test at 24 hours

390	92	6-chloro-3-cyclohexyl-3,4-dihydro	(SM-367)	10	-	-	-	2½-4½	-	-	1	51
391	92	3-(p-chlorophenyl)-3,4-dihydro-8-methyl-6-	(FW-192)	10	-	-	-	-	-	-	1	52
392	92	2H-1,3-Benzoxazine, 3,4-dihydro-3-(2-hydroxyethyl)-8-methyl-6-(1,1,3,3-tetramethylbutyl)-	(FW-165)	10	½-1½	1½-3½	½-1½	1½-3½	½-1½	1½-3½	1	50
393	71	2',4'-Benzyloxylidide, 5'-amino-	(501,049)	10	-	-	-	-	-	-	1	54
394	71	Benzoyl chloride, 2,4,6-trinitro-	(906,382)	10	0-1	1-2	-	0-1	-	0-1	1	54
395	60	Benzyl alcohol, 3,4-dimethoxy- (ID 1319, Lot 10-A1-133B)		10	-	-	-	-	-	-	1	50
				10	-	-	-	-	-	-	3	
396	123	keryl-	(O-3808)	10	-	-	-	-	-	-	1	52
397	68	Benzylamine,	(C-5325,162)	10	-	-	-	-	-	-	1	49
398	92	p-chloro-N-(1,1,3,3-tetramethylbutyl)-; disalt with sebacic acid	(FW-167)	10	-	-	-	-	-	-	1	51
399	92	N-p-chlorophenyl-	(Cr-301)	10	-	-	-	-	-	-	1	51
400	92	hydrochloride	(Cr-302)	1	-	-	-	-	-	-	1	49
				10	-	0-2	-	0-2	-	0-2	1	54
401	92	N-(2-chlorophenyl)-p-nitro-	(Cr-337)	10	0-1	-	-	-	1-2	7½-13	1	49
402	92	N-cyclohexyl-; hydrochloride	(Cr-478)	10	-	-	-	-	-	-	1	51
403	70	N-cyclohexyl-N-pentyl-	(CP-100)	10	-	-	8½-13	13-17	-	-	1	58
404	92	N,N-dialkyl-methyldodecyl-	(SM-275)	10	-	-	-	-	-	-	1	52
405	92	N,N-diallyl-p-hexyl-	(SM-274)	10	-	-	-	-	-	-	1	53
406	68	diethanol-	(Lot 4, C-576)	10	-	-	-	-	-	-	1	49
407	92	N,N-diisopropyl-	(SM-280)	10	22-24	-	-	-	-	-	1	52
408	71	N-(2,5-dimethoxyphenyl)-	(507,516)	10	-	-	-	-	-	-	1	55
409	68	dimethyl-	(Lot 86)	10	-	-	-	16-19	-	16-19	1	53
410	92	Benzylamine, dodecylmethyl- (mixture)	(SM-289)	10	13-17	-	-	-	-	-	1	49
				12	-	-	-	-	-	-	1	48
				15	-	-	-	-	-	-	1	48
411	91	N-ethyl-p-nitroso-N-phenyl-	(No code)	10	-	2-4	-	0-1	-	0-1	1	54

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
412	68	N-Benzylamine, isopropyl-	(Lot 15, C-563)	10	-	-	-	-	-	-	-	1	49
413	71	Benzylamine, N-isopropyl-	(802,873)	10	-	-	0-1	4½-8½	0-1	4½-8½	-	1	58
414	123	keryl-	(0-3677)	10	-	-	-	-	-	-	-	1	52
415	68	N-Benzylamine, methyl-	(Lot 416, C-4921)	10	-	-	-	-	-	-	-	1	49
416	68	Benzylamine, methyl ethanol-	(Lot 16)	10	-	-	-	-	-	-	-	1	52
417	92	N-methyl-N-(4-thiocyanophenyl)-	(Cr-296)	10	-	3-7	-	0-3	-	0-3	-	1	53
418	92	N-(2-methyl-4-thiocyanophenyl)-	(Cr-324)	1	2½-4½	-	0-1	2½-4½	2½-4½	6½-8½	-	1	54
				10	-	-	-	0-1	-	0-1	-	1	53
419	92	N-(4-thiocyanophenyl)-	(Cr-246)	10	-	0-1	-	0-1	-	0-1	-	1	53
420	92	Benzylideneimine, N-diisobutyl-p-methoxy-	(Mr-21)	1	-	-	-	-	-	0-2½	-	1	54
				10	-	-	8½-13	-	-	-	-	1	58
421	113	3-Benzylimidazolium, 1-methyl-2-undecyl-; (ID 1029, Lot 779834)		10	-	10-14	-	14-18	-	10-14	-	3	
422	92	Benzyl sulfide	(M-129)	10	1-2½	17-18	-	-	-	-	-	1	53
423	92	Benzylthiosulfonic acid, p-nitro-; sodium salt	(Cr-869)	10	-	-	-	-	-	-	-	1	51
424	92	4,4'-Biacetophenone, difurfurylidene-	(SM-229)	10	-	-	-	0-3½	0-3½	-	-	1	53
425	71	9,9'-Bianthryl	(001,151)	10	-	-	-	-	-	-	-	1	53
426	71	Bibenzyl, α, α'-dibromo-4,4'-dinitro-	(905,113)	10	-	-	-	-	-	-	-	1	52
427	92	Bicarbamic acid; diethyl ester	(Q-140)	10	2½-4½	6½-8½	4½-6½	6½-8½	6½-8½	8½-13	-	1	51
428	32	4,4'-Bicarbanilic acid; diisopropyl ester	(No code)	10	-	-	7½-12	-	-	-	-	1	53
429	92	Bicyclo [2.2.1] hept-5-ene-2,3-dicarboxamic acid, N-(2-cyanoisopropyl)-7,7-dimethoxy-1,4,5,6-tetrachloro	(Q-164)	10	-	-	-	-	-	-	-	1	49
430	92	Bicyclo [2.2.1] hept-5-ene-2,3-dicarboximide, 7,7-dimethoxy-N-isopropyl-1,4,5,6-tetrachloro	(Q-158)	10	2½-4½	-	0-1	2½-4½	0-1	1-2½	-	1	52
431	92	7,7-dimethoxy-1,3,4,5-tetrachloro-; ammonium salt monohydrate	(Q-255)	10	-	-	-	-	-	-	-	1	51

432	92	7,7-dimethoxy-1,4,5,6-tetrachloro-N-tri-chloro-methylsulfen-	(Q-257)	10	-	0-3	-	0-3	-	0-3	1	53
433	71	Bicyclo [2.2.1] hept-5-ene-2,3-dicarboxylic acid; didodecyl ester	(107,794)	10	-	-	-	-	-	-	1	53
434	71	ditetradecyl ester	(107,795)	10	-	-	-	-	-	-	1	52
435	92	7,7-dichloro-; di-2-chloroethyl ester	(Q-79)	10	-	-	-	-	-	-	1	49
436	92	1,4,5,6,7,7-hexachloro-; mono-2-chloro-ethyl ester	(Q-51)	10	-	-	19-21	-	2-3	-	1	49
437	92	Bicyclo [2.2.1] hept-5-ene 2,2-dicarboxylic anhydride, 7,7-dimethoxy-1,2,4,5,6-penta-chloro-	(Q-147)	1	-	-	-	-	-	-	1	53
				10	-	-	-	-	-	-	1	49
438	92	7,7-dimethoxy-1,4,5,6-tetrachloro-	(Q-153)	10	-	-	-	-	-	-	1	49
439	71	[Bicyclohexyl]-1-carboxylic acid	(107,560)	10	0-1	-	0-1	-	0-1	-	1	54
440	71	[Bicyclohexyl]-2-diethylaminoethyl ester hydrochloride	(504,014-10)	10	1-2	8-13	0-1	8-13	-	2-4	1	50
441	92	Bicyclo [0.2.4] oct-3-ene, 2,5,7,8-tetrachloro-	(Q-170)	1	-	-	-	-	4½-6½	8½-13	1	58
				10	-	0-3	-	0-3	-	0-3	1	53
442	92	Biguanide, 1-(2-biphenyl)-	(Cr-1241)	10	-	-	-	-	-	-	1	51
443	92	monohydrochloride	(Cr-1240)	10	-	-	-	-	-	-	1	49
444	92	1-[p-(p-bromophenoxy) phenyl]-	(Cr-859)	10	-	-	9-13	-	9-13	-	1	49
445	92	monohydrochloride	(Cr-858)	10	-	-	9-13	-	5-9	-	1	49
446	71	1-phenyl-; hydrochloride	(800,002-10)	10	-	-	-	6½-11	4-6½	-	1	50
447	71	1-o-tolyl-; monohydrochloride	(800,892-10)	10	-	-	2½-4½	-	-	-	1	58
448	115	Biphenyl chlorinated ("AROCLOR 1242")	(0-2591)	10	-	-	-	-	-	-	1	50
449	115	chlorinated ("AROCLOR 1248")	(0-8078-b)	10	-	-	-	-	-	-	1	53
450	115	chlorinated ("AROCLOR 1254")	(0-2592)	10	-	-	-	-	-	-	1	52
451	115	Biphenyl, 4-chloro-	(0-135)	10	0-3½	-	-	-	0-3½	-	1	53
452	92	4-chlormethyl-	(Cr-333)	10	-	-	-	17-21	6½-8½	-	1	51
453	115	x,x-diethyl-2-hydroxy	(0-2092)	10	0-½	1½-3½	½-1½	1½-3½	½-1½	1½-3½	1	50

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F.
				E	D	E	D	E	D	E	D		
454	115	hexabromo-	(0-8082)	10	-	-	-	-	-	-	-	1	53
455	115	4-methoxy-	(0-228-b)	10	0-1	-	0-1	7½-12	0-1	-	-	1	55
456	71	2,2',3,3',4,4',6,6'-octamethyl-	(000,973)	10	-	-	-	-	-	-	-	1	53
457	59	3,3',4,4'-tetramino-	(pp-29-22)	10	-	-	-	-	-	-	-	1	50
458	115	2-Biphenylamine	(0-67)	10	1-2	-	-	-	-	-	-	1	52
459	71	4-Biphenylarsonic acid, 4'-sulfo-	(402,844)	10	-	-	-	-	-	-	-	1	53
460	71	4-Biphenylarsonic acid, S-monosodium salt	(402,844-65)	10	-	-	-	-	-	-	-	1	54
461	123	x,x-Biphenyldisulfonamide, N,N,N',N'-tetra-cyanoethyl-	(0-3734)	10	-	-	-	-	-	-	-	1	54
462	71	4-Biphenylmethanol, Cl-methyl-	(105,139)	10	2-2½	-	2-2½	-	2-2½	-	-	1	58
463	71	4-Biphenylpropanol	(105,338)	10	-	-	9-13	-	-	-	-	1	48
464	123	x-Biphenylsulfonamide, 2'-nitro-N,N-bis (2-cyanoethyl)-	(0-3990-D111)	10	0-3	-	0-3	19-23	0-3	3-7	-	1	53
465	71	4-Biphenylsulfonic acid; sodium salt	(402,138-65)	10	-	-	-	-	-	-	-	1	58
466	71	4'-diiodoarsino-; sodium salt	(402,842-65)	10	-	-	-	-	-	-	-	1	53
467	81	Bismuthine trifluoride	(MA-4-58)	10	-	-	-	-	-	-	-	1	58
468	71	4,4'-Bi-o-stearanisidide	(508,089)	10	-	-	-	-	-	-	-	1	54
469	71	Biurea, 2,5-dithio-	(801,594)	10	-	-	13-17	19-21	0-2½	13-17	-	1	53
470	32	Biuret, dithio-		10	-	-	-	-	-	-	-	1	54
471	92	1-(2-biphenyl)-2,4-dithio-	(Cr-1244)	10	3-7	-	0-3	12-15	0-3	3-7	-	1	53
472	92	1-phenyl-2,4-dithio-; zinc salt	(Cr-102)	10	5½-9½	14-18	0-1	3½-5½	3½-5½	5½-9½	-	1	52
473	71	Bornylamine; hydrochloride	(802,874-10)	10	-	-	-	-	-	-	-	1	55
474	73	4-Bromophenacyl bromide	(Bio-3369)	1	-	0-3½	-	0-3½	-	0-3½	-	1	53
				10	-	0-1	-	0-½	-	0-½	-	3	
475	51	Bromothymol blue-D	(170-S)	10	-	-	-	-	-	-	-	1	49

476	71	Brucine; salt with 1 f. wt. <u>N</u> -formyl- <u>D</u> -liucine	(5K0,164)	10	-	-	-	4½-8½	-	-	1	58
477	71	salt with 1 f. wt. <u>N</u> -formyl- <u>D</u> -methionine	(9K0,093)	10	-	-	-	-	-	-	1	58
478	71	Brucine; salt with 1 f. wt. mono- <u>sec</u> -butyl phthalate	(5K0,163)	10	-	-	-	-	-	-	1	53
479	71	salt with 1 f. wt. <u>D</u> - <u>Cl</u> -(<u>p</u> -nitrophenyl)	(5K0,161)	10	-	-	-	-	-	-	1	55
480	71	salt with 1 f. wt. <u>1</u> - <u>Cl</u> -(<u>p</u> -nitrophenyl)	(5K0,162)	10	-	-	-	-	-	-	1	55
481	2	Bufotenine	(B-8445)	10	-	-	-	-	-	-	2	64
482	92	1,3-Butadiene, 2-chloro-3-(2,4-dinitrophenylsulfenyl)-	(Q-259)	10	-	0-1	-	0-1	-	0-1	1	53
483	92	Butane, 1-(4-chlorophenyl)-1,3-dihydroxy-4,4,4-trichloro-	(Q-14)	10	-	0-1	-	0-1	-	0-1	1	51
484	21	1-(4-chlorophenyl)-2-nitro-1-phenyl; chlorinated, Cl=39% (25% active)	(No code)	10	-	-	-	-	-	-	1	49
485	60	3,4-diphenyl-3-hydroxy-1-piperidino-; HCl	(00989, Lot 216-143-174)	10	-	0-1	-	0-1	-	0-1	1	59
486	71	1,2,3,4-tetrabromo-	(000,989)	10	1-2	-	1-2 ^A	-	-	-	1	54
487	71	1,2,3-tribromo-	(001,140)	10	0-1	-	1-2	-	3½-5½	9½-14	1	52
488	92	1,4-Butanediol 2,2,3,3-tetrachloro-; diacetate	(Q-108)	10	-	-	-	-	-	-	1	58
489	85	Butanedisulfonic acid, 1,4-dihydroxy-; sodium salt	(NP-991)	1	-	-	-	-	-	-	1	53
				10	-	-	-	-	-	-	1	55
490	71	1-Butanesulfonic acid; 2-nitro-; ammonium salt	(900,100-67)	10	-	-	-	-	-	-	1	54
491	71	1-Butanol, 2-amino-	(501,266)	10	-	-	-	-	-	-	1	53
492	60	Butanone-2,3-hydroxy-2-methyl-	(ID 1066, Lot 10-DI-133F)	10	-	-	-	-	-	-	1	50
493	71	2-Butanone, 4-phenyl-	(106,607)	10	-	-	-	-	-	-	1	54
494	92	Butene, tetrachloro-	(Q-29)	10	0-1	-	0-1	-	0-1	-	1	54
495	92	1-Butene, 4,4-bis(<u>p</u> -chlorophenyl)	(ER-160)	10	-	-	-	-	-	-	1	58
496	92	2-Butene, 1,4-bis(<u>p</u> -chlorophenoxy)-	(Q-71)	10	-	-	-	-	-	-	1	49
497	73	1,4-dibromo-	(Bio-3400)	1	7½-12	12-16	0-3½	3½-7½	0-3½	3½-7½	1	50

^ARecovered equilibrium by 9 hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F	
				E	D	E	D	E	D	E	D			
				10	-	0-2	-	0-2	-	0-2	-	0-2	1	50
				10	-	1-4	-	1-4	-	1-4	-		3	
498	92	1,4-dimethoxy-2,3-dichloro-1,1,4,4-tetra-phenyl-	(Q-103)	1	-	-	-	-	-	-	-		1	53
				10	-	-	-	-	-	-	-		1	58
499	71	2-phenyl-	(001,062)	10	-	-	1-3½	7½-12	-	-	-		1	55
500	92	1-Butene-1,3-diamine, N,N'-diphenyl-	(Cr-1117)	10	2-3	-	0-1	3-5	0-1	2-3	-		1	50
501	92	2-Butene-1,4-dione, 1-cyclopropyl-2,4-diphenyl-	(SM-60)	10	1-5	-	5-13	-	1-5	17-21	-		1	53
502	71	1,4-diphenyl-; <u>trans</u>	(105,992)	10	0-1	1-2	-	0-1	-	0-1	-		1	54
503	92	2-Butene-4-One, 1,1,1,3-tetrachloro-4-(p-chlorophenyl)-	(Q-97)	10	-	0-3	-	0-3	-	0-3	-		1	53
504	71	3-Buten-1-ol, 1-(3,4-dimethoxyphenyl)-	(106,629)	10	-	-	-	-	-	-	-		1	54
505	71	3-Buten-2-ol, 1,1'-hydrazinodi-	(507,198)	10	-	-	-	-	-	-	-		1	53
506	71	Butylamine; complex with ½ f. wt. fluosilicic acid	(800,444-A3)	10	-	-	-	-	13-17	-	-		1	58
507	60	Butylamine, myristyl-3-hydroxy-; hydrochloride	(06537, Lot 367-00-0D-20)	1	-	-	-	-	-	7½-12	-		1	53
				10	-	0-2½	-	-	-	0-2½	-	0-2½	1	50
508	71	Butyl borate, tri-	(105,029)	10	-	-	-	-	-	-	-		1	52
				10	-	-	-	-	-	-	-		1	52
509	92	Butylideneimine, N-1,1,3,3-tetramethylbutyl-2,2,3,-trichloro	(Mr-13)	10	-	-	-	14-18	-	-	-		1	52
				10	-	-	-	-	-	-	-		1	52
510	92	Butylxanthoacetic acid; calcium salt	(Lo-253)	10	-	-	-	-	-	-	-		1	53
511	92	Butyne, 1,4-bis-N-nonylmethylamino-	(Q-252)	10	2-4	4-8	-	2-4	1-2	2-4	-		1	52
512	92	2-Butyne, 1,4-bis(dimethylamino)-1,4-diphenyl-	(Q-303)	10	0-1	-	14-18	-	5½-9½	-	-		1	52
513	92	1,4-dihydroxy-1,1,4,4-tetra-phenyl-	(Q-98)	10	-	-	-	-	-	-	-		1	49

514	92	1-dimethylamino-4-diethanolamino-	(Q-285)	10	-	-	8½-13	-	-	-	1	58
515	92	1-di(3,5,5-trimethylhexyl) amino-4- (3,5,5-trimethylhexyl) amino- $\left[\begin{array}{l} \text{methyl} \\ \text{methyl} \end{array} \right]$	(Q-317)	10	1½-3½	5½-9½	½-1½	1½-3½	1½-3½	3½-5½	1	52
516	85	3-Butyne, 1,4-dichloro-	(NP-1093)	10	-	-	-	-	-	-	1	51
517	92	Butyraldehyde; polymer	(SM-95)	1	-	-	6½-11	-	-	-	1	53
				10	-	0-1	-	0-1	-	0-1	1	58
518	92	Butyramide, N- β -(N-ethylenethioureido) ethyl-2, 2,3-trichloro-	(Lo-413)	10	-	-	-	-	-	-	1	51
519	71	Butyric acid; diester with 2,2-dimethyl-1,3- propanediol	(107,561)	10	-	-	-	-	-	-	1	53
520	71	nickel (11) salt	(101,484-68)	10	-	-	-	-	-	-	1	55
521	71	<u>DL</u> -2-amino-	(500,635)	10	-	-	-	-	-	-	1	58
522	71	<u>d</u> - α -(p-nitrophenyl)-	(507,202)	10	-	-	8½-13	-	-	-	1	58
523	71	<u>dl</u> - α -(p-nitrophenyl)-	(507,203)	10	-	-	-	-	-	-	1	54
				10	-	-	-	-	-	-	1	58
524	92	α, α, β -trichloro-; x-(1-methylheptyl)-x, x-dinitrophenyl ester	(Cr-1643)	10	-	0-1	-	0-1	-	0-1	1	52
525	92	pentachlorophenyl ester	(Cr-1621)	10	-	-	-	-	-	-	1	49
526	71	Butyrolactone	(100,975)	10	-	-	-	-	-	-	1	58
527	71	Butyronitrile, 2-hydroxy-2-methyl-3-oxo-; acetate	(507,191)	10	-	-	0-1	1-2	1-2	2-4	1	50
528	92	Butyrophenone, 2'-(2-chlorobenzoyloxy)-5'- chloro-2-ethyl-	(Cr-1845)	10	-	-	-	3½-5½	-	-	1	52
529	71	2,4'-dibromo-3-(p-chlorophenyl)-4-nitro- 4-phenyl-	(900,084)	10	-	-	-	-	-	-	1	55
530	91	4'-methoxy-	(No code)	10	-	-	-	-	-	-	1	49
531	92	2,4,4,4,4'-pentachloro-3-hydroxy-	(Q-78)	10	-	0-3	-	0-3	-	0-3	1	53
532	92	4,4,4,4'-tetrachloro-3-(p-chlorophenyl)-	(Q-17)	10	-	2-4	-	0-1	-	0-1	1	51
533	62	Cadmium acetate, A. R.	(No code)	10	-	7-11	-	3-7	7-11	11-15	1	54
534	62	Cadmium bromide, crystals	(No code)	10	8½-13	13-17	-	4½-6½	-	13-17	1	51
535	62	Cadmium chloride, A. R.	(No code)	1	-	6½-11	-	0-2½	-	0-2½	1	55

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
			10	-	7½-12	-	5½-7½	-	7½-12			1	53
536	85	Cake, α , β	(6289)	10	0-1	-	-	-	-	-	-	1	55
				10	2-3	-	-	-	-	-	-	1	48
				15	2-3	-	-	-	-	-	-	1	48
				20	1-2	-	1-2	-	-	-	-	1	50
537	92	Calcium acrylate	(No code)	10	-	-	-	-	-	-	-	1	51
538	116	Calcium rosinatc	(No code)	10	-	-	-	2-4	-	-	-	1	49
539	71	β -Camphoric acid	(507,205)	10	-	-	-	-	-	-	-	1	48
540	71	Δ -Camphoric acid	(105,965)	10	-	-	-	-	-	-	-	1	54
541	71	Δ -Camphorsulfonyl chloride, 3-bromo-	(402,643)	1	-	-	-	-	-	-	-	1	49
				10	-	1-3	-	-	0-1	1-3	-	1	54
542	53	Candicidin A	(No code)	10	-	-	-	-	-	-	-	1	52
543	60	Caproic acid, ethyl 2-cyano-3-methyl ester (11323, Lot 211-162-176)		10	-	0-1	-	0-1	-	0-1	-	1	59
544	60	ethyl 2-cyano-2-ethyl-3-methyl- ester	(15786)	10	-	0-1	-	0-1	-	0-1	-	1	59
545	92	Caprylophenone, 2'-benzyloxy-2,5'-dichloro-	(Cr-1852)	10	-	-	-	-	-	-	-	1	49
546	117	Carbamic acid, bismuth dimethyl dithio ester- ("BISMATE")	(No code)	10	-	19-22	-	19-22	-	19-22	-	1	49
547	32	methylal ester	(No code)	10	-	-	-	-	-	-	-	1	54
548	92	2-thiocyanoethyl ester	(Q112)	10	-	-	-	-	-	-	-	1	49
549	92	acetyl-; butyl ester	(Cr-1825)	10	-	-	-	-	-	-	-	1	55
550	92	<u>N,N</u> -bis(2-hydroxyethyl) dithio-; potas- sium salt	(Lo-179)	10	-	-	-	-	-	-	-	1	55
551	117	Carbamic acid, copper dimethyl dithio ester- ("CUMATE")	(No code)	10	-	-	-	-	-	-	-	1	57
552	92	cyclohexyl-dodecyl-; benzyl ester	(FW-241)	1	-	-	-	-	-	-	-	1	53
553	92	(2,2-dichloroethylidene) di-; diethyl ester (Cr-1858)		10	-	-	-	-	-	-	-	1	55

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F.	
				E	D	E	D	E	D	E	D			
573	92	ethyl ester	(Q-81)	10	-	-	-	-	-	-	-	1	51	
574	32	isopropyl <u>N</u> -2-(5-chloro) pyridyl-	(No code)	10	-	-	-	9-12	-	9-12	-	3		
575	32	isopropyl <u>N</u> -2-(3-methyl) pyridyl-	(No code)	1	-	-	-	-	-	-	-	1	50	
				10	0-1	2-3	0-1	2-3	0-1	2-3	-	3		
576	32	isopropyl <u>N</u> -2-(4-methyl) pyridyl-	(No code)	10	-	-	-	11-15	-	11-15	-	3		
577	32	isopropyl <u>N</u> -2-(5-methyl) pyridyl-	(No code)	10	-	-	-	-	-	-	-	3		
578	32	isopropyl <u>N</u> -2-(6-methyl) pyridyl-	(No code)	10	-	-	-	-	-	-	-	3		
579	113	methyl-; 6-chloro-3,4-xylyl ester	(ID U 12,927)	10	-	0-2	-	0-2	-	0-2	-	1	53	
580	92	x-(1-methylheptyl) benzyl-1,1,3,3-tetra- methyl butyl-; benzyl ester	(FW-232)	10	7-11	-	-	-	-	-	-	1	54	
				15	-	-	-	-	-	4-8	-	1	50	
581	92	morpholinodithio-; allyl ester	(Lo-170)	10	-	-	-	-	-	-	-	1	58	
582	92	methallyl ester	(Lo-171)	10	4-8	-	4-8	12-18	4-8	8-12	-	1	49	
583	21	<u>N</u> -phenyl-; isopropyl ester (40% active)	(No code)	1	-	0-2½	-	0-2½	-	0-2½	-	1	54	
				10	-	-	6½-8½	-	-	-	-	1	51	
584	122	1-naphthyl methyl ester ("SEVIN")	(No code)	10	-	-	-	-	-	-	-	1	53	
585	32	Carbamic acid, <u>m</u> -phenylenedi-; diisopropyl ester	(No code)	10	0-2	-	-	-	-	-	-	1	53	
				15	-	2-3	2-3	-	2-3	-	-	1	50	
586	117	selenium dimethyl dithio ester- ("METHYL SELENAC")	(No code)	10	-	9-20	-	-	-	½-2½	-	½-2½	3	59
587	117	sodium dibutyl dithio- ester, 47% aqueous solution ("BUTYL NAMATE")	(3F19-1)	10	-	-	-	-	-	-	-	3	50	
588	71	sodium salt	(800,119-65)	8	-	14-19	-	1½-3½	1½-3½	3½-5½	-	1	52	
589	117	sodium salt, mixed with the sodium salts of 2-thiazolethiol and chlorinated phenols, mainly pentachlorophenol ("VANCLIDE 76")	(No code)	10	-	0-1	-	0-1	-	0-1	-	1	54	

590	92	2,2,2-trichloroethylidene-; ethyl ester	(Q-84)	10	-	-	-	-	-	-	1	51
591	92	triethylenetetraakis dithio-; zinc salt	(Lo-329)	10	-	-	-	-	-	-	1	51
592	92	Carbanilic acid; cyclohexyl ester	(Lo-158)	1	0-2½	-	0-2½	2½-6½	0-2½	11-15	1	55
				10	1-2	2-3	1-2	5-9	1-2	3-5	1	49
593	92	methyl ester	(Lo-4)	1	-	-	-	-	-	-	1	53
				10	-	-	-	-	-	-	1	55
594	92	4-carboxy-; diethyl ester	(FW-216)	10	8½-13	-	1-2½	6½-8½	4½-6½	13-17	1	51
595	30	3-chloro-; isopropyl ester	(No code)	10	0-1	-	1-2	3½-5½	9½-14	-	1	52
596	92	4-chloro-; 2-chloroethyl ester	(FW-181)	10	0-1	1-2	0-1	1-2	0-1	1-2	1	49
597	92	diethyleneglycol diester	(FW-205)	10	-	0-1	-	0-1	-	0-1	1	53
598	92	thiocyanomethyl ester	(Q-94)	10	-	-	-	-	-	-	1	51
599	92	4-chloro-N-cyanomethyl-; ethyl ester	(FW-215)	10	-	-	4-8	9-13	1½-2½	9-13	1	53
				10	-	14-18	6-10	10-14	-	10-14	1	54
600	32	3-chloro-6-methoxy-; isopropyl ester	(No code)	10	1½-3½	-	1½-3½	5½-9½	1½-3½	-	1	52
601	32	3-chloro-2-methyl-; isopropyl ester	(No code)	10	-	-	-	-	-	-	1	53
602	32	Carbanilic acid; 2,3-dichloro-; isopropyl ester	(No code)	10	-	-	-	-	-	-	1	41
603	32	N,4-dimethyl-; isopropyl ester	(No code)	10	-	-	1-3½	3½-7½	1-3½	3½-7½	1	55
604	32	2,3-dimethyl-; isopropyl ester	(No code)	10	-	-	-	-	-	-	1	54
605	32	2,4-dimethyl-; isopropyl ester	(No code)	10	-	-	-	-	-	-	1	53
606	92	dithio-; allyl ester	(Lo-22)	10	1-2½	16-21	1-2½	16-21	1-2½	12-16	1	52
607	92	methyl ester	(Lo-8)	1	-	-	-	-	-	-	1	49
				10	-	0-1	-	0-1	-	0-1	1	53
608	32	4-ethoxy-; isopropyl ester	(No code)	10	-	-	-	-	-	-	1	53
609	32	4-methoxy-; isopropyl ester	(No code)	10	-	-	-	-	-	-	1	54
610	32	2-methoxy-5-nitro-; isopropyl ester	(No code)	10	2-4½	-	-	-	-	-	1	58
				15	-	-	-	-	-	-	1	48
611	32	N-methyl-; isopropyl ester	(No code)	10	-	-	-	-	-	-	1	54

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water Temp. °F.	
				E	D	E	D	E	D	E	D		
612	32	2-methyl-5-chloro-; isopropyl ester	(No code)	10	-	-	-	-	3-7	-		1	54
613	92	Carbanilide, <u>N</u> -carbethoxythio-	(Lo-289)	5	0-1	16-22	0-1	1-2	0-1	9-12		1	54
				10	-	0-1	0-1	1-5	0-1	1-5		1	53
614	66	4,4'-dinitro- and 2-hydroxy-4,6-dimethyl pyrimidine in Equimolar concentrations ("NICARB")	(No code)	10	-	-	-	-	-	-		1	50
				10	-	-	-	-	-	-		1	50
				(63RTS168)	10	-	-	-	-	-	5-10		1
615	32	Carbamic acid, 2-(2,5-dichlorophenyl)-; isopropyl ester	(No code)	10	-	-	-	-			1	58	
616	32	Carbamic acid, 2-methyl-2-phenyl-; isopropyl ester	(No code)	10	1-3	-	-	-	-	1-3		1	54
				10	0-1 ^A	-	-	-	-	0-1		1	53
617	32	3-phenyl-; 2-chloroethyl ester	(No code)	10	-	-	-	-	-	-		1	53
618	71	Carbazole, 9-acetyl-	(508,478)	5	0-1½	5½-7½	0-1½	1½-5½	0-1½	1½-5½		1	53
				10	-	0-1	-	1-2	-	1-2		1	51
619	71	3-bromo-	(803,319)	10	5-9	-	5-9	-	5-9	13-17		1	49
620	92	<u>N</u> -2-chloroethyl-	(Cr-294)	10	0-1	-	0-1	2½-4½	0-1	13-17		1	52
621	92	<u>N</u> -2-thiocanoethyl-	(Cr-336)	10	0-1	1-2	-	0-1	-	0-1		1	48
622	1	Carbinol, bis(<u>p</u> -chlorophenyl) ethynyl-	(No code)	10	-	0-1	-	0-1	-	0-1		1	54
623	32	Carbonic acid; allyl 2-chloroethyl ester	(No code)	10	-	8-12	6-8	8-12	-	8-12		1	52
624	32	allyl 4,6-dinitro- <u>o</u> -cresyl ester	(No code)	1	-	0-1½	-	0-1½	-	0-1½		1	52
				10	-	0-1	-	0-1	-	0-1		3	
625	32	<u>S</u> -allyl pentachlorophenyl thio- ester	(No code)	10	-	-						1	51
626	115	4-chloro-2-methylphenyl ethyl ester	(0-7469)	10	-	1½-3½	0-½	½-1½	0-½	½-1½		1	52
627	115	diphenyl ester	(0-63-A)	10	1-2	7½-13	1-2	2-4	1-2	2-4		1	50

^ARegained equilibrium by 24 hours

628	71	di- <u>p</u> -tolyl ester	(105,239)	10	-	-	-	-	-	1	58	
				10	4½-8½	-	-	14-18	2-5½	4½-8½	1	58
629	65	ethylene (cyclic) ester	(135)	10	-	-	-	-	-	1	52	
630	71	isopropyl pentachlorophenyl ester	(402,612)	10	2-4	9-12	1-2	2-4	1-2	2-4	1	54
631	71	monopentyl ester, diester with <u>N</u> -2-hydroxy-propyl-lactamide	(510,560)	10	-	-	-	-	-	-	1	55
632	71	Carbonic acid; mono (2,4,5-trichlorophenyl) ester diester with diethylene glycol	(404,042)	10	-	-	-	-	-	-	1	58
633	92	thio-; <u>S</u> -carbethoxy ethyl ester	(Lo-12)	10	-	7½-13	-	2-4	-	2-4	1	50
634	92	Catechol; diester with benzoic acid	(WC-96)	1	-	-	4½-6½	8½-13	-	-	1	58
				10	-	2-4	0-1	1-2	-	1-2	1	54
635	71	Cellobiose	(104,157)	10	-	-	8½-13	-	-	-	1	58
636	123	Cetyl alcohol, with 20 moles of ethylene oxide, condensation product	(0-4640)	10	-	8-12	-	1-3	1-3	3-4	1	52
637	92	Chalcone	(H-121)	10	-	0-3	-	0-3	-	0-3	1	53
638	71	3,4-dimethoxy	(103,497)	10	-	0-3	-	0-3	-	0-3	1	53
639	71	2-methoxy-	(103,494)	10	0-1	1-2	0-1	1-2	0-1	1-2	1	49
640	92	Chloralammonia	(Q-69)	1	-	-	-	2½-6½	-	-	1	53
				10	-	-	-	-	-	-	1	49
641	32	Chloral hydrate	(No code)	10	-	-	-	-	-	-	1	54
642	65	<u>α</u> -Chloralose	(66)	1	-	-	-	-	-	-	1	53
				10	-	-	-	-	-	-	1	52
643	71	Chloramine <u>Ⓜ</u> ; sesquihydrate	(900,182-65)	10	-	-	-	-	-	-	1	54
644	92	Chloramine T	(Q-234)	1	-	-	-	1-2	-	1-2½	1	53
				10	-	0-3	-	0-3	-	0-3	1	53
	38		(1022)	10	-	-	-	-	-	-	2	64
645	26	Chlorax spray powder	(No code)	10	-	-	-	13-17	-	-	1	58
646	21	Chlordane (25% active)	(No code)	10	2-4	7½-13	1-2	2-4	0-1	2-4	1	50

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. F
				E	D	E	D	E	D	E	D		
647	118	Chlordane, gamma isomer	(No code) 10	-	-	-	-	-	-			1	51
648	58	8-Chloroxanthine	(Lot 43079) 10	-	-	-	-	-	-			1	52
649	113	Cholic acid triformate	(ID U14,729) 10	-	1-3	-	0-1	-	1-3			1	60
650	92	Choline chloride	(No code) 10	-	-	-	-	-	-			1	51
651	92	Choline, 2-chloro-4-nitrophenoxide	(FW-128) 1	-	0-2½	-	0-2½	-	0-2½			1	54
			10	-	1-3½	0-1	1-3½	0-1	1-3½			1	55
652	92	x,x-dinitro-x-nonylphenoxide	(FW-129) 10	0-½	½-1½	-	½-1½	-	½-1½			1	52
653	113	6-Chromancarboxylic acid, 2,2-dimethyl-	(ID U7184) 10	19-23	-	-	-	-	-	-	-	1	50
			15	5-7	7-11	5-7	11-15	5-7	11-15			1	53
654	114	Chromium diboride	(No code) 10	-	-	-	-	-	-			1	50
655	116	Chromium salt of pine gum 35%, and turpentine 65%	(No code) 10	16-18	-	0-2	-	-	-			1	48
656	71	Chrysene	(000,437) 10	-	-	-	-	-	-			1	58
657	71	Cinchomeric acid; 4-ethyl ester	(503,238) 10	-	-	-	-	-	-			1	55
658	71	Cinchophen, 7-chloro	(900,049) 10	-	-	-	-	-	-			1	52
659	71	Cinnamaldehyde, p-nitro-	(503,100) 10	-	0-1	-	0-1	-	0-1			1	51
660	92	Cinnamic acid; cyclohexanon-2-yl ester	(SM-14) 10	5-9	-	-	-	-	-			1	49
			12	2-3	-	9-13	-	-	-			1	48
			15	2-3	5-9	2-3	-	2-3	9-13			1	52
661	92	potassium salt	(SM-21) 1	-	-	-	-	-	-			1	53
			10	-	-	-	-	-	-			1	51
662	115	propargyl ester	(0-7052-b) 10	0-½	-	1½-2½	3½-5½	0-½	½-1½			1	52
663	71	m-amino-; ethyl ester, hydrochloride	(507,207-10) 10	-	-	-	-	12-16	-			1	55
664	115	Cinnamic acid; p-butoxy-; 2-ethyl-n-hexyl ester	(0-5711-a) 10	-	-	-	-	-	-			1	58

665	71	Cl-cyano-	(502,761)	10	-	-	8½-13	-	-	-	-	1	58
666	71	p-nitro-; ethyl ester	(510,347)	1	-	-	-	-	-	-	-	1	49
				10	8-12	-	3-4	6-8	0-1	8-12	-	1	52
				10	-	0-3	-	0-3	-	0-3	-	1	53
667	71	Citric acid; nickel (11) salt	(100,517-68)	10	-	-	-	-	-	-	-	1	54
668	116	Cobalt salt of pine gum 50% and turpentine 50%	(No code)	10	2-4	8-12	0-2	4-8	0-2	4-8	-	1	52
669	8	n-Cocoamine ("ARMEEN C")	(No code)	10	-	1½-3½	-	½-1½	-	½-1½	-	1	52
670	62	Copper (11) chloride (purified crystals)	(No code)	10	1½-3½	3½-5½	-	1½-3½	-	1½-3½	-	1	52
671	62	Copper (11) nitrate (purified)	(No code)	10	-	2-4	-	1-2	-	1-2	-	1	50
672	92	Copper salt of Cr 976	(Cr-977)	10	-	3-5	-	3-5	-	3-5	-	1	53
673	116	Copper salt of pine gum 50%, and turpentine 50%	(No code)	10	-	-	4-8	12-16	-	-	-	1	51
674	110	Copper sulfate; monohydrated ("BLUEBERRY DUST")	(No code)	5	-	-	-	-	-	-	-	1	48
				10	-	-	-	-	-	-	-	1	48
				10	-	-	-	-	-	-	-	1	53
				15	-	-	-	-	-	-	-	1	48
675	71	Cotarninine; hydrochloride	(504,300-10)	10	-	-	-	-	-	-	-	1	55
676	71	Coumarilic acid	(100,844)	10	-	-	-	-	-	-	-	1	50
677	65	Coumarin	(291)	10	-	-	-	-	-	-	-	1	51
	38		(79)	10	-	-	-	-	-	-	-	2	64
678	58	3(Cl-acetonylbenzyl)-4-hydroxy- ("WAR-FARIN")	(Lot 40483L)	10	-	-	-	-	-	-	-	2	68
679	71	3-benzoyl-	(106,636)	10	-	-	-	-	-	-	-	1	53
680	91	5,7-dihydroxy-4-methyl-	(No code)	10	-	-	-	-	-	-	-	1	53
681	62	Creosote NF 1X	(No code)	1	-	-	6½-11	11-15	0-2½	11-15	-	1	56
				10	-	-	3½-5½ ^A	-	14-18	-	-	1	52

^A Regained equilibrium by 18 hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water Temp. °F
				E	D	E	D	E	D	E	D	
682	4	<u>m</u> -Cresol, <u>tert</u> -bromo-; sulfonphthalein (Brom Cresol Green)	(No code) 10	-	-	-	-	-	16-21			1 51
683	73	3',3'',5',5''-tetrabromo----sulfonephthalein (Bio-3398)	10	-	-	-	1½-4½	-	-	-	-	1 51
			10	-	-	-	1½-4½	-	-	-	-	3
684	64	<u>o</u> -Cresol, 4,6-dinitro-	(5630) 1	-	1-2	-	0-1	-	2-4			1 52
			2	-	0-5							4 57
			5	-	3-16			-	0-3			2 57
			5	-	0-1			-	0-1	-	0-1	4 48
			10	-	0-2							2 64
685	73	3,5-dinitro-	(Bio-3370) 1	-	0-3½	-	0-3½	-	0-3½			1 53
			10	-	0-½			-	0-½	-	0-½	1 51
			10	-	0-2	-	0-2					3
686	73	<u>o</u> -Cresol, tetrabromo-	(Bio-3387) 5	-	-	-	-	-	-	-	-	1 50
			10	0-1	2-5	-	0-1					3
687	92	<u>p</u> -Cresol; crotonate	(SM-110) 10	0-1	2-3½	0-1	1-2	0-1	1-2			3 50
688	92	2,6-dibromo- <u>o</u> , <u>o</u> , <u>o</u> -triphenyl-	(Cr-1054) 10	-	-	-	-	-	-			1 51
689	71	2,4-Cresotic acid, 5-anilino-; ethyl ester	(508,492) 10	-	-	-	-	-	-			1 53
690	92	Crotonic acid; 3,4-dimethyl-7-hydroxyhydrindone ester	(SM-154) 1	-	-	-	-	-	-			1 53
			10	-	1-3½	-	1-3½	0-1	1-3½			1 55
691	92	mandelonitrile ester	(ER-121) 10	2-4	4-6	0-1	2-4	0-1	2-4			1 51
692	71	3-benzoyl-4-(<u>o</u> -chlorphenyl)-2-(<u>p</u> -methoxyphenyl)-	(402,027) 10	-	-	0-1	9-13	-	-			1 52
			10	-	1-3	-	0-1	-	0-1			1 52
693	71	3-ethoxy-; ethyl ester	(105,701) 10	-	-	-	-	-	-			1 55
694	115	Cumene, trichloro	(0-4688) 10	-	-	-	-	-	-			1 52

695	5	Cupferron	(No code)	5	-	-						2	57
				10	6-7	7-8						2	66
				10	-	-		-	13-18	-	-	4	50
				10	-	-	-	6-10	-	10-14		1	52
696	92	Cyanamide, cyanomethyl (1,1,3,3-tetramethyl-butyl)-	(O-2266)	10	0-1	3-5	-	0-1	-	0-1		1	52
697	38	Cyclohexane, 1,2,3,4,5,6-hexachloro	(P1589)	10	-	-						4	50
				10	3-7	-						2	59
				15	-	-						2	53
698	71	Cyclohexane, 1,2,3,4,5,6-hexachloro-; β isomer	(000,289)	10	-	-	-	-	-	-		1	54
699	21	γ isomer ("LINDANE", 25% active)	(No code)	10	-	-	-	-	-	-		1	51
700	41	γ isomer ("LINDANE", 99% γ BHC)	(No code)	10	0-1	1-3	-	0-1	0-1	1-3		1	52
701	21	γ isomer ("LINDANE", 100%)	(No code)	10	-	15-24	-	9-13	9-13	13-19		1	52
702	21	γ isomer ("LINDANE", 90% water-dispersible)	(No code)	10	0-1	3-4	-	0-1	-	0-1		1	52
703	71	Δ isomer	(000,290)	10	0-1	5-9	0-1	5-9	1-3	5-9		1	51
704	92	hexamethyl-	(Q-222)	10	-	-	-	-	-	-		1	54
705	71	Cyclohexaneacetic acid	(104,116)	10	-	-	-	-	-	-		1	54
706	71	Cyclohexaneacetic acid, α -butyl-	(106,630)	10	-	-	-	-	-	-		1	53
707	71	Cyclohexanebutyric acid, nickel (11) salt	(100,358-68)	10	-	-	-	-	-	-		1	53
708	92	Cyclohexanecarboxylic acid, 2-thiocyanoethyl ester	(He-480)	10	-	-	-	-	-	-		1	52
709	71	1-methyl-2-oxo; ethyl ester	(100,924)	10	-	-	-	-	-	-		1	52
710	92	2-oxo-; β -chloroethyl ester	(SM-29)	10	-	-	-	-	-	-		1	53
711	71	1,3-Cyclohexanedione, 5-phenyl-	(102,784)	10	-	-	-	-	-	-		1	58
712	123	Cyclohexanesulfonamide, N,N -dicyanoethyl-	(O-3966)	10	-	-	-	-	-	-		1	55
713	71	Cyclohexanol, 1-ethynyl-2-methyl-	(105,311)	10	-	-	-	-	-	-		1	55
714	91	2,2,6,6-tetramethylol-	(No code)	10	-	-	-	-	-	-		1	53

733	71	1,2,3,4,5-pentachloro-5-(trichloromethyl)-	(001,290)	10	-	5-9	-	1½-3	-	3-5	1	52	
734	92	Cyclopentadienone, 2,3,4,5-tetrachloro-; dimethyl acetal	(Q-92)	10	0-1	2-4	2-4	4-6	-	2-4	1	51	
735	92	Decanoic acid; 2- [2-(2-thiocyanoethoxy) ethoxy] ethyl ester	(Cr-597)	10	-	1-3	-	1-3	-	1-3	1	48	
736	92	2-(2-thiocyanoethoxy) ethyl ester	(Cr-584)	10	1-3	3-5	-	1-3	1-3	3-5	1	52	
737	92	2-thiocyanoethyl ester	(He-484)	10	-	-	-	-	4-6	17-20	1	52	
	92		(Cr-572)	10	-	-	2-3½	3½-5½	3½-5½	-	1	51	
738	92	crude, 2-(2-thiocyanoethoxy (ethyl ester ("GERMAN ACID"))	(Cr-588)	10	3½-8½	20-22	1-2	2-3½	-	2-3½	1	50	
739	92	2-thiocyanoethyl ester ("GERMAN ACID" - distilled fraction)	(Cr-577)	10	-	-	-	-	-	-	1	52	
740	79	D-40; (detergent)	(No code)	10	-	-	-	-	-	-	1	54	
741	123	Diacetonitrile, x,x'-dimethyl-1,4-piperazine (W-1, Lot 0-15706)		10	1-2	4-6	0-1	1-2	1-2	2-4	1	52	
742	123	x,x,x',x',2-pentamethyl-1,4-piperazine- (W-26, Lot 0-15754R-1)		10	-	0-1	-	0-1	-	0-1	1	52	
743	39	Diamine-P	(106M)	10	-	-	-	-	-	-	1	50	
744	84	Diamylamine	(EC1141)	10	-	-	-	-	-	-	1	52	
745	92	Dibenzofuran, 3-nitro-	(Cr-220)	10	-	-	-	-	-	-	1	52	
746	68	Dibenzylamine	(Lot 79)	10	-	-	-	1½-3½	-	-	1	52	
	92		(Q-244)	10	-	0-1	-	0-1	-	0-1	1	53	
747	71	Dibenzylamine, N-2-chloroethyl-; hydrochloride (800,156-10)		10	-	-	13-19	19-24	-	-	1	51	
748	68	ethanol-	(Lot 13)	10	-	-	-	10-11	-	5-10	1	52	
749	68	N,N-Dibenzylamine, methyl	(C-4920-18)	10	-	-	-	-	-	-	1	49	
750	117	1,2-dicarboximide, N-trichloromethylmercapto-4- cyclohexene- 75% active and 25% inert 75% Captan ("VANCIDE P-75")	(No code)	1	-	4-8	0-2	2-4	0-2	2-4	1	52	
				10	-	0-3	-	-	0-3	-	0-3	3	50
751	71	Dichloroamine B	(904,149)	10	-	0-1	-	0-1	-	0-1	1	51	
752	92	Dicyclopentadiene; addition of chlorine to, in HAc	(Q-13)	10	0-1	3½-8½	0-1	1-2	0-1	1-2	1	51	

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. FPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F	
				E	D	E	D	E	D	E	D			
753	65	Dieldrin	(No code)	10	5-7	-	-	1-2	1-2	2-5	-	1	53	
				10	4-8	8-12	1-2	2-4	1-2	2-4	-	1	52	
				10	-	2½-3½	-	2½-3½	1-2½	2½-3½	-	1	52	
754	92	Diethylamine, 2,2'-bis(nonylamino)-	(SM-559)	10	-	4-6	4-6	6-10	2-4	4-6	-	1	51	
755	32	Diethylene glycol; bis(allyl carbonate)		10	-	8-11	-	5-8	-	5-8	-	1	52	
756	71	Diglycolic acid diester with butyl lactate	(107,779)	10	-	-	9-11	-	11-13	-	11-13	-	1	52
757	92	Dimethylamine; picrate	(Lo-46)	10	0-2	10-12	-	0-2	-	-	0-2	12-17	1	52
758	92	Dinonylamine, N-methyl-	(O-1557)	10	0-1	1-2	0-1	1-2	0-1	1-2	-	-	1	51
759	92	1,3-Dioxo-6-thiacyclooctane, 2-isopropyl-	(Cr-74)	10	-	-	-	-	-	-	-	-	1	52
760	92	2-n-propyl-	(Cr-73)	10	-	-	-	-	-	-	-	-	1	52
761	40	3-Dioxolan, 2-phenyl-2,5-dimethyl-1; -4-one	(2378-11-2)	10	-	-	2-6	6-10	-	16-19	-	-	1	53
762	40	2,2,5,5-tetramethyl-1; -4-one	(2378-6-2)	10	-	-	-	2-6	-	6-10	-	-	1	54
763	91	Diphenylamine, 4,4'-diamino-	(No code)	10	-	13-19	-	9-13	-	13-19	-	-	1	52
764	73	2,4-dinitro-	(Bio-3346)	10	-	4-7	1-2	2-3	-	4-7	-	-	3	
765	117	4,4'-dioctyl- ("VANLUBE 81")	(No code)	10	-	-	-	-	-	-	-	-	1	64
766	38	2,2',4,4',6,6'-hexanitro	(No code)	5	3-5	5-7	-	0-3	-	0-3	-	0-3	1	50
				10	-	0-5½	-	0-½	0-½	½-5½	-	-	3	
767	92	Dipropylamine, 3,3'-bis(laurylamino)-	(SM-583)	10	-	-	1-3	-	8-12	-	-	-	1	52
768	117	Disodium 2,2'-thiobis(4,6-dichlorophenate) ("VANCIDE BN")	(No code)	5	-	-	-	-	-	-	-	-	1	50
				10	-	0-1	-	0-1	-	0-1	-	-	3	
				10	-	0-2	-	0-2	-	0-2	-	-	1	48
769	117	Disulfide, benzothiazyl ("ALTAX")	(No code)	10	-	-	-	-	-	-	-	1	49	
770	70	bis(3,5-dichloro-2-hydroxyphenyl)	(CP-3438-B)	10	-	0-1	-	0-1	-	0-1	-	-	1	53
771	117	dimethyl carbamyl, dimethylthiocarbamyl- ("VANCIDE F-845")	(No code)	10	-	1-10	-	0-2	-	0-2	-	0-2	1	50
				10	-	-	-	-	-	-	-	-	3	

772	117	dimethylthiocarbamoyl dimethylcarbamoyl- ("VANCIDE OD")	(No code)	10	-	9-20	-	4-6	-	6-9	3	59
773	115	diphenyl	(O-2911-C)	10	8-12	16-21	6-8	16-21	6-8	8-12	1	52
774	2	3-nitrophenyl-	(W2100)	10	-	-	-	1-2½	-	1-2½	1	53
				10	-	6-18		-	1-4	-	1-4	4 48
775	5	Dithioglycol	(Lot 36944LF)	5	-	-					2	57
				10	-	2-14		-	2-14	-	2-14	4 50
				10	-	7-19					2	64
776	58	Dithiooxamide	(Lot 34416L)	10	-	2½-6½	-	2½-6½	-	2½-6½	1	53
				10	-	-					2	57
777	8	n-Dodecylamine ("ARMEEN 12")	(No code)	10	1-2	2-4	0-1	1-2	0-1	1-2	1	52
778	92	tert-Dodecylamine, monocyanomethyl-	(O-1968)	10	0-1	1-2	0-1	1-2	0-1	1-2	1	51
779	92	2-Dodecyne, 1-dimethylamino-4-hydroxy-	(SM-516)	10	-	-	-	-	-	-	1	53
				10	3-5	-	-	1-3	1-3	5-8	1	52
780	52	Dresinate X	(No code)	10	0-3	-	0-3	3-7	0-3	3-7	1	53
				10	2-3	3-5	2-3	3-5	2-3	5-6	1	53
	52			10	4-7	11-15	1-2	3-7	2-3	3-7	1	
781	36	Du Pont Orange 11 conc.	(No code)	10	-	-	-	-	-	-	1	50
782	71	Durene, α 1, α 5, -dichloro-	(001,134)	10	-	-	-	-	-	-	1	52
783	41	"E" Cake	(No code)	10	0-1	1-5	-	0-1	0-1	1-5	1	52
		Enzymes										
784	58	α -chymotrypsin 3x cryst	(Lot 28481F)	10	-	-					2	68
				10	-	-		-	-	-	1	50
785	7	Erythrosin, bluish	(No code)	10	-	-	-	-	-	-	1	50
786	92	Ethane, 1-amino-2-bisulfate-	(Cr-134)	10	½-1½	5½-9½	½-1½	5½-9½	½-1½	5½-9½	1	52
787	92	1-benzyl-2-(2,4-dinitrophenoxy)-	(Cr-393)	10	0-1	2-3½	0-1	2-3½	-	3½-8½	1	51
788	92	1,1-bis[<u>p</u> -(2-chloroethoxy) phenyl]-2,2,2-trichloro-	(Q-10)	5	14-18	18-21	-	14-18	14-18	18-21	1	51

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
			10	18-21	-	-	14-18	10-14	14-18			1	51
			10	10-14	20-24	-	-	-	-			1	51
			15	14-17	-	6-10	10-14	6-10	10-14			1	51
789	92	Ethane, 1,1-bis [p-(α -chloroethyl) phenyl] -2, 2-dichloro-	(0-151) 5	10-14	-	-	14-17	6-10	10-14			1	52
			10	3-5	-	-	11-15	8-11	11-15			1	52
			15	2-6	-	-	6-10	-	2-6			1	51
790	92	1,1-bis(3'-chloro-4'-hydroxyphenyl)-2,2-dichloro-	(Q-188) 10	-	1-2	-	1-2	-	1-2			1	50
791	92	(1,1-bis [chlorophenyl] -2,2-dichloro- ("ROTHANE WP-50"))	(No code) 10	-	-	-	-	-	-			3	
792	92	1,1-bis(chloro or methoxyphenyl)-2,2-dichloro-	(Q-54A) 10	9½-14	-	9½-14	14-19	3½-9½	-			1	50
793	73	1,1-bis(4-chlorophenyl)-2,2,2-trichloro-	(Bio-3321) 10	4-7	11-15	1-2	2-3	1-2	2-3			3	
794	73	1,2-bis(o-cyclohexylphenoxy)-	(Cr-934) 10	-	-	-	-	-	-			1	51
795	92	1,2-bis(2,4-dibromophenoxy)-	(Cr-958) 10	-	-	-	-	-	-			1	51
796	92	bis(3,3'-dichloro-4,4'-dihydroxy-diphenyl) dichloro-; monodioxane complex	(Q-244) 10	-	0-1	-	0-1	-	0-1			1	53
797	92	1,1-bis [p-(1,1-dichloroethyl) phenyl] -2, 2,2-trichloro	(Q-130) 10	-	-	17-21	-	-	-			1	51
798	92	1,1-bis(3,4-dimethylphenyl)-2,2-dichloro-	(Q-193) 10	-	-	-	-	-	-			1	51
799	92	bis(tert-dodecylmercaptomethyl)-	(SM-380) 10	-	-	-	-	-	-			1	51
800	92	1,1-bis(ethylphenyl)-2,2-dichloro- ("PERTHANE WP-50")	(No code) 10	1½-2	-	1½-2	13-17	1½-2	5½-8½			3	
801	92	1,1-bis(p-ethylphenyl)-2,2-dichloro	(Q-137) 10	9-13	-	-	-	-	-			1	51
			15	5½-9½	9½-14	5½-9½	9½-14	5½-9½	14-18			1	51
802	92	Ethane, 1,1-bis(p-fluorophenyl)-2,2-dichloro	(Q-163) 10	0-1½	-	0-1½	7½-12	0-1½	2½-4½			1	51
803	60	1,2-bis(p-formylphenoxy) (Lot 177-116-OD-260)	10	-	0-1	-	0-1	-	0-1			1	59

804	70	1,2-bis(2-hydroxy-4,5-dichlorophenyl)-	(CP-536)	10	-	0-1	-	0-1	-	0-1	1	51
805	92	1,1-bis(p-hydroxyphenyl)-2,2-dichloro-	(O-172)	10	7-9	13-17	4-7	9-13	4-7	7-9	1	52
806	101	1,2-bis(3-hydroxy-2,4,5,6-tetrachloro phenyl)-	(No code)	10	1-3	5-9	-	9-13	-	9-13	1	52
807	73	1,1-bis(4-iodophenyl)-2,2,2-trichloro-	(Bio-3322)	10	-	-	-	-	-	-	1	52
808	92	1,1-bis(p-isopropylphenyl)-2,2-dichloro-	(Q-149)	10	12-16	-	-	-	-	12-16	1	51
809	71	1,1-bis(p-methoxyphenyl)-2,2,2-trichloro-	(400,216)	10	1/2-1 1/2	19-22	1/2-1 1/2	9/2-14	1/2-1 1/2	3 1/2-5 1/2	1	52
810	92	1,2-bis(o-nitrophenoxy)-	(Cr-512)	10	-	-	-	-	-	-	1	51
811	92	1,2-bis(p-nitrophenoxy)-	(Cr-943)	10	-	-	-	-	-	-	1	53
812	92	1,1-bis(p-nitrophenyl)-2,2-dichloro-	(Q-191)	10	-	2-4	-	2-4	0-2	4-6	0-2	4-6
813	92	1,1-bis(p-octylphenyl)-2,2-dichloro-	(Q-174)	10	-	-	-	-	-	-	1	51
814	92	1,1-bis(p-sec-pentylphenyl)-2,2-dichloro-	(Q-169)	10	-	-	-	-	-	-	1	51
815	92	1,2-bis(2-phenoxyethoxy)-	(Cr-846)	10	0-1 ^A	-	3-7 ^A	-	-	-	1	52
816	92	1,1-bis(p-phenoxyphenyl)-2,2-dichloro-	(Q-173)	10	-	-	-	-	-	-	1	52
817	92	1,2-bis(2-[o-tolyloxy] ethoxy) -	(Cr-1282)	10	3-5	-	3-5	-	-	-	1	52
818	92	1-(2-bromo-4-tert-6-nitrophenoxy)-2-(2-chloroethoxy)-	(Cr-926)	10	0-1	7-11	0-1	1-3	0-1	1-3	1	53
819	92	Ethane, 1-(2-bromo-4-tert-butylphenoxy)-2-(2-chloroethoxy)-	(Cr-1144)	10	-	-	-	-	-	-	1	52
820	92	1-(p-bromo-o-1-methylheptylphenoxy)-2-(2-chloroethoxy)	(Cr-1854)	10	-	-	-	-	-	-	1	52
821	92	1-(2-butoxyethoxy)-2-(o-chlorophenoxy)-	(Cr-1032)	10	-	-	-	-	-	-	1	52
822	92	1-[2-(p-tert-butyl-o-nitrophenoxy) ethoxy] 2-(2-chloroethoxy)-	(Cr-646)	10	0-1	-	7-11	-	1-3	7-11	1	52
823	92	1-[p-(chloro-tert-butyl)-o-nitrophenoxy] 2-(2-chloroethoxy)-	(Cr-932)	10	6-10	10-14	0-1	6-10	0-1	1-2	1	51
824	92	1-(2-chloro-4-chloromethylphenoxy)-2-(2-chloroethoxy)-	(Cr-552)	10	-	-	-	7-9 1/2	14-18	22-25	1	53
825	71	1-(2-chloroethoxy)-2-(o-chlorophenoxy)-	(402,246)	10	-	-	0-1 ^B	-	1-3	-	1	52

^A Regained equilibrium by 19 hours

^B Regained equilibrium by 3 hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water Temp. °F
				E	D	E	D	E	D	E	D	
826	92	1-(2-chloroethoxy)-2- [2-(p-chlorophenoxy) ethoxy] -	(Cr-823) 10	-	-	-	-	-	-	-	-	1 52
827	92	1-(2-chloroethoxy)-2-(2,4-dibromophenoxy)-	(Cr-964) 10	1-3	-	0-1	-	1-3	-	-	-	1 52
828	92	1-(2-chloroethoxy)-2-(x,x-dichloro-x-methyl-heptylphenoxy)-	(Cr-1591) 10	-	-	-	-	-	-	-	-	1 52
829	92	1-(2-chloroethoxy)-2- [2,4-di(chloromethyl) phenoxy] -	(Cr-537) 10	-	-	-	-	-	-	-	-	1 51
830	92	1-p- [2-(2-chloroethoxy) ethoxyphenyl] -1-p- [2-(2-thiocyanoethoxy) ethoxyphenyl] -2,2-trichloro	(Q-20) 10	-	-	-	-	-	-	-	-	1 53
831	92	1-(2-chloroethoxy)-2- [o-(2-methylallyl) phenoxy] -	(Cr-671) 10	0-1	1-3	-	1-3	-	1-3	-	-	1 52
832	92	1-(2-chloroethoxy)-2- [2-(p- [1-methylheptyl phenoxy] ethoxy) -	(Cr-621) 10	13-17	-	-	13-17	-	-	-	-	1 52
833	92	1-(2-chloroethoxy)-2-(o-nitrophenoxy)-	(Cr-619) 10	-	-	-	-	-	-	-	-	1 51
834	92	Ethane, 1-(2-chloroethoxy)-2-(2-p-nitrophenoxy-ethoxy)-	(Cr-627) 10	-	-	-	-	-	-	-	-	1 51
835	92	1-(2-chloroethoxy)-2-(p-tert-pentyl-o-nitro-phenoxy)-	(Cr-756) 10	1-3	-	0-1	11-15	0-1	7-11	-	-	1 53
836	92	1-(2-chloroethoxy)-2-(2-phenoxyethoxy)-	(Cr-620) 10	-	-	-	-	-	-	-	-	1 51
837	92	1-(2-chloroethoxy)-2- [2-o-toloxethoxy] -	(Cr-1281) 10	-	-	21-23	-	12-16	-	-	-	1 51
838	92	1-(2-chloroethoxy)-2-(3,5-xylyloxy)-	(Cr-1853) 10	-	-	-	-	13-17	-	-	-	1 51
839	92	1-(4-chlorophenoxy)-2-(2,4-dinitrophenoxy)-	(Cr-376) 10	-	-	7-12	16-20	-	-	-	-	1 51
840	92	1-(p-chlorophenyl)-1-(o-chloro-p-tolyl)-2,2-dichloro-	(Q-185) 10	-	-	13-17	17-21	-	-	-	-	1 51
841	92	1-(4-chlorophenyl)-2,2-dichloro-1-(3,4-dimethylphenyl)-	(Q-194) 10	-	13-19	-	9-13	9-13	13-19	-	-	1 52
842	92	1-(p-chlorophenyl)-2,2-dichloro-1-(p-ethylphenyl)-	(Q-184) 5	2-3	-	2-3	3-5	-	5-9	-	-	1 48

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
863	92	1,2-Ethanedithiol; dixanthate	(Lo-26) 10	-	-	4-7	-	7-9	17-21			1	51
			10	-	-	-	-	-	-			1	52
864	92	Ethanedithiol; copper salt	(Cr-116) 10	3-5	5-7	-	3-5	3-5	5-7			1	53
865	85	2-diethylamino-	(NP-1379) 10	-	-	-	-	-	-			1	53
866	92	Ethanol, 1-acetamido-2,2,2-trichloro-	(Q-70) 10	-	-	-	-	-	-			1	51
867	71	2-(2-[2-(3-aminopropoxy) ethoxy] ethoxy)-	(508,071) 10	-	-	-	-	-	-			1	52
868	113	1-Ethanol, 1-azaspiro (4.5) decane; -phenyl-2-cyclopentene 1-acetate (ester) hydrochloride	(ID 6051) 10	0-2	6-10			-	0-2			1	53
869	92	Ethanol, 2-(2-biphenyloxy)-	(Cr-397) 10			5-9	-	5-9	-			1	53
870	92	1,1-bis(chlorophenyl) 2,2,2-trichloro- ("KELTHANE W")	(6-2544-31) 10	0-2	12-16	0-2	2-4	-	9½-12			1	53
871	92	2-[2-(2-[2-bis-p-chlorophenylvinyl- ethoxy] ethoxy) ethoxy] -	(ER-117) 10	-	-	-	-	-	-			1	51
872	92	2-(2-butoxyethoxy)- phosphorous acid tri- ester	(Cr-1081) 10	-	-	-	-	-	-			1	53
873	92	2-(4-tert-butyl-2-nitrophenoxy)-	(Cr-656) 10	1-3	-	7-11	-	1-3	11-15			1	52
874	123	2-(2-carboxyethoxy)-	(0-4170) 10	-	-	-	-	-	-			1	53
875	92	2-chloro- ester with petroleum oxidation product	(He-481) 5	-	-	-	-	-	-			1	51
876	71	2-[2-(2-chloroethoxy) ethoxy] -	(400,914) 10	-	-	-	-	-	-			1	53
877	92	2-(4-chlorophenoxy)-	(Cr-374) 10	-	-	-	-	-	-			1	52
878	92	Ethanol, 1-(2-chlorophenyl)-2,2-dichloro-	(Q-50) 10	0-2	6-8	0-2	8-10	0-2	6-8	0-2	6-8	1	46
879	71	2,2'-(dicamethylenedithio) di-	(402,648) 10	1-2	-	0-1	4½-8½	0-1	4½-8½			1	52
880	92	2-[4-(1,1-dimethylpropyl)-2-nitrophenoxy] -	(Cr-819) 10	0-1	2-4	1-2	4-9	1-2	4-9			1	53
881	71	2-(2-ethoxyethoxy)-	(101,940) 10	-	-	-	-	-	-			1	52
882	71	2,2'-ethylenedisulfonyldi-	(400,571) 10	-	-	-	-	-	-			1	53
883	101	2-(N-ethyl-N-octyl) amino-	10	-	-	-	-	-	-			1	52

884	71	2-(2-isopropoxyethoxy)-	(106,384)	10	-	-	-	-	-	-	1	53
885	5	S -mercapto-	(No code)	10	-	-	-	-	-	-	1	51
				10	-	-	-	-	-	-	2	59
886	71	2-methoxy-	(101,860)	10	-	-	-	-	-	-	1	53
887	71	2-(<i>p</i> -methoxyphenoxy)-	(105,310)	10	-	-	-	-	-	-	1	53
888	71	2,2'-(methylenedithio) di-	(402,624)	10	-	-	-	-	-	-	1	52
889	71	2,2'-(1-methyltrimethylenedithio) di-	(402,631)	10	-	-	-	-	-	-	1	52
890	32	2-(4-morpholinyl)-; carbanilate	(No code)	10	-	-	-	-	-	-	1	53
891	92	2-(2-naphthoxy)-; acetate	(Cr-387)	10	0-1	-	0-1	10-14	4-6	-	1	52
892	71	2,2',2''-nitrioltri-; triacetate (ester)	(507,529)	10	-	-	-	-	-	-	1	53
893	92	2-(<i>p</i> -nitrophenoxy)-	(Cr-369)	10	-	-	-	-	-	-	1	52
894	92	2- [2- <i>o</i> -nitro- <i>p</i> -(1,1,3,3-tetramethylbutyl) phenoxy ethoxy -	(Cr-917)	10	1-3	7-11	1-3	3-7	1-3	-	1	52
895	92	2-phenoxy-	(Cr-130)	10	-	-	-	-	-	-	1	51
896	92	<i>p</i> -toluenesulfonate	(Cr-875)	10	-	-	-	-	-	-	1	52
897	92	Ethanol, 2,2'-(<i>m</i> -phenylenedioxy) di-	(Cr-412)	10	-	-	-	-	-	-	1	51
898	71	2,2'-sulfinyldi-	(400,866)	10	-	-	16-19	19-22	-	-	1	52
899	92	2,2'- [<i>p</i> , <i>p</i> '-(sulfonyldiphenoxy)] di-	(Cr-566)	10	-	-	-	-	-	-	1	53
900	92	2-(<i>o</i> -tolylxy)-	(Cr-399)	10	-	-	-	-	-	-	1	52
901	71	2,2,2-trichloro-	(402,971)	10	-	-	-	-	-	-	1	48
902	71	<i>x,x,x</i> -triphenyl-; benzoate	(107,028)	10	-	-	-	-	-	-	1	53
903	71	1,1,2-triphenyl-	(106,642)	10	-	-	-	-	-	-	1	53
904	115	Ether, allyl 3-bromobiphenyl	(0-3616-a)	10	0-1	15-19	-	1-3	-	1-3	1	52
905	92	benzyl 2-benzyl-4,6-dinitrophenyl	(Cr-158)	10	-	-	-	-	-	-	1	53
906	92	benzyl <i>p</i> -benzylphenyl	(Cr-340)	10	-	-	-	-	-	-	1	48
907	92	benzyl 5-bromo-3-nitro- <i>o</i> -tolyl	(Cr-1254)	10	1-2	6-10	-	2-4	2-4	6-10	1	51
908	92	benzyl 4- <i>tert</i> -butyl-2-chloro-6-nitrophenyl	(Cr-980)	10	-	-	-	-	-	-	1	52
909	92	benzyl 4- <i>tert</i> -butyl-2,6-dinitrophenyl	(Cr-529)	10	13-19	19-24	3-5	9-13	3-5	5-9	1	52

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
910	92	benzyl <u>p</u> -tert-butyl-x-nitrophenyl	(Cr-357)	10	-	-	-	-	-	-	-	1	51
911	92	benzyl 4- <u>sec</u> -butylphenyl	(Cr-214)	10	-	-	-	-	-	-	-	1	51
912	92	benzyl 2-(5-chlorobiphenyl)	(Cr-484)	10	-	-	-	-	-	-	-	1	48
913	92	benzyl 2-(6-chlorobiphenyl)	(Cr-485)	10	-	-	-	-	-	-	-	1	53
914	92	benzyl <u>p</u> -cresoxymethyl	(SM-334)	10	5-7 ^A	-	14-18	-	-	-	-	1	53
915	92	benzyl 2-cyclohexyl-4-nitrophenyl	(Cr-474)	10	-	-	-	-	-	-	-	1	53
916	92	Ether, benzyl 4-cyclohexyl-2-nitrophenyl	(Cr-461)	10	-	-	-	-	-	-	-	1	53
917	92	benzyl 2-cyclohexylphenyl	(Cr-441)	10	-	-	-	-	-	-	-	1	52
918	92	benzyl 2,3-dibromopropyl	(Cr-1623)	10	6-10	-	-	0-2	10-14	-	-	1	53
919	92	benzyl 2,6-dibromo-4-(1,1,3,3-tetramethyl-butyl) phenyl	(Cr-960)	10	-	-	-	-	-	-	-	1	51
920	92	benzyl 2,3-dichloro-2-methylpropyl	(Cr-1625)	10	-	-	-	-	-	-	-	1	52
921	92	benzyl 2,4-dinitrophenyl	(Cr-256)	10	-	-	-	7-10	2-4	10-14	-	1	53
922	92	benzyl x,x-dipentyl-x-nitrophenyl	(Cr-987)	10	-	-	-	-	-	-	-	1	53
923	92	benzyl <u>p</u> -iodophenyl	(Cr-662)	10	-	-	-	-	-	-	-	1	53
924	92	benzyl 2-isopropyl-5-methylphenyl	(Cr-245)	10	-	-	-	-	-	-	-	1	51
925	92	benzyl methyl	(Cr-682)	10	-	-	-	-	-	-	-	1	53
926	92	benzyl x-(1-methylheptyl)-x-nitrophenyl	(Cr-623)	10	1-2	2-5	-	0-1	-	0-1	-	1	53
927	92	benzyl 2-methyl-4-nitrophenyl	(Cr-278)	10	-	-	-	-	-	-	-	1	52
928	92	benzyl 2-methyl-(4- and 6-) nitrophenyl	(Cr-270)	10	-	1-3	-	1-3	-	1-3	-	1	52
929	92	benzyl <u>α</u> -naphthyl	(Cr-213)	10	-	-	-	-	-	-	-	1	48
930	92	benzyl <u>β</u> -naphthyl	(Cr-159)	10	-	-	-	-	-	-	-	1	51
931	92	benzyl 2-(x-nitrobiphenyl)	(Cr-356)	10	-	-	-	-	-	-	-	1	53
932	92	benzyl <u>β</u> -(<u>α</u> -nitronaphthyl)	(Cr-243)	10	-	-	-	-	-	-	-	1	53

^ARegained equilibrium by 22 hours

933	92	benzyl 2-nitrophenyl	(Cr-166)	10	0-1	2-4	0-1	2-4	0-1	4-6			1	51
934	92	benzyl-4-nitrophenyl	(Cr-123)	10	-	-	-	-	-	-	-	-	1	52
935	92	benzyl x-nitro-p-1,1,3,3-tetramethylbutyl-phenyl	(Cr-355)	10	-	-	-	-	-	-	-	-	1	53
936	92	Ether, benzyl p-tolyl	(Cr-229)	10	-	-	-	-	-	-	-	-	1	41
937	92	2-biphenyl 2-methylallyl	(Cr-314)	10	-	-	-	-	-	-	9-11 22-24	-	1	52
938	91	x-bromophenyl phenyl	(No code)	10	-	-	-	19-20	-	-	-	-	1	50
939	92	β -butoxy β 'thiocyano diethyl- 53%, petroleum distillate 47% ("LETHANE 384")	(Lot 17)	10	-	-	-	-	-	-	-	-	1	50
940	92	4- <u>tert</u> -butyl-2,6-dinitrophenyl 2-methylallyl	(Cr-986)	10	0-1	9-13	0-1	1-3	0-1	3-5	-	-	1	53
941	115	4- <u>tert</u> -butylphenyl 2-chloroallyl	(0-3329-a)	10	0-1	3 $\frac{1}{2}$ -8 $\frac{1}{2}$	0-1	1-2	1-2	2-3 $\frac{1}{2}$	-	-	1	50
942	92	4-chlorobenzyl 4-methoxyphenoxyethyl	(SM-403)	10	-	-	-	-	-	-	-	-	1	52
943	92	2-chloroethyl 2-(4-chloromethyl) biphenyl	(Cr-887)	2	-	-	-	-	-	-	-	-	1	50
				10	0-1	3-5	1-3	-	1-3	-	-	-	1	52
944	92	4-chlorophenyl 2-methylallyl	(Cr-311)	10	-	-	1-3	-	1-3	3-5	-	-	1	52
945	73	1,2-dichloroethyl-ethyl-	(Bio-3405)	2.5	-	-	-	-	-	-	-	-	1	
946	60	diethylstilbestrol dimethyl-	(ID 1316, Lot 10-A1-1330)	10	-	-	-	-	-	-	-	-	1	50
947	92	2,4-dinitrophenyl ethyl	(Cr-263)	10	1-2 $\frac{1}{2}$ ^A	-	0-1	7-11	0-1	20-22	-	-	1	53
948	92	2,4-dinitrophenyl o-(2-methylallyl) phenyl	(Cr-856)	10	0-1	6-10	0-1	6-10	0-1	6-10	-	-	1	51
949	92	2,4-dinitrophenyl 2-nitrophenyl	(Cr-259)	10	0-1	3-4	0-1	1-3	0-1	1-3	-	-	1	52
950	32	glycidyl 2,4,5-trichlorophenyl	(No code)	10	0-1	-	0-1	9-13	0-1	-	-	-	1	52
951	117	hydroquinone monobenzyl- ("AGERITE ALBA")	(No code)	10	4-6	17-18	0-2	6-8	0-2	2-4	0-2	6-8	1	50
				10	2-6	10-18	2-6	6-10	-	2-6	-	-	3	
	117		(No code)	10	0-2	7-11	0-2	7-11	0-2	7-11	-	-	1	50
952	65	Ethylamine 70% in water	(5035)	10	-	-	-	-	-	-	-	-	2	66
953	119	Ethylamine, mercapto-; hydrochloride	(No code)	10	-	-	-	-	-	-	-	-	1	50

^ARegained equilibrium by 7 hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F	
				E	D	E	D	E	D	E	D			
954	60	α -Ethyldeoxyanisoin	(0081)	10	-	0-1	-	0-1	-	0-1		1	59	
955	117	Ethylene, trans-1,2-bis(<u>n</u> -propylsulfonyl) ("VANCIIDE PA")	(No code)	10	2-4	4-8	-	2-4	-	0-2		1	50	
	117		(No code)	10	-	2½-6½			-	2½-6½	-	2½-6½	1	50
956	91	1-(2,4,6-trinitrophenyl)-2-furyl-	(No code)	10	-	0-1	-	0-1	-	0-1		1	51	
957	58	Ethylenediamine,	(Lot 4981X)	10	-	-	-	-	-	-		1	52	
				10	-	-						2	66	
958	92	<u>N,N'</u> -bis(2-ethylhexyl)-	(0-2301)	10	-	6-10	-	1-2	-	2-4		1	51	
959	92	<u>N,N'</u> -bis(2-ethylhexyl)-cobalt (11) chloride complex	(V-315)	10	-	6½-11	0-2	2-3½	0-2	2-3½		1	50	
960	92	<u>N,N'</u> -di(2-ethylhexyl)-; copper (11) acetate complex	(V-173)	10	-	4-6	1-2	2-4	1-2	2-4		1	51	
961	92	<u>N,N'</u> -di(2-ethylhexyl)-; zinc chloride complex	(V-164)	10	-	6-8	4-6	6-8	4-6	6-8		1	52	
962	92	<u>N,N'</u> -diisooctyl-; nickel chloride salt	(V-155)	10	2½-4½	6½-11	-	0-1	0-1	1-2		1	51	
963	93	<u>N,N'</u> -di-(3-nitrobenzene sulfonyl)-	(RM6656)	10	-	-						2	57	
964	92	<u>N,N'</u> -dinonyl-; copper (11) acetate complex	(V-69)	10	-	1-3	-	0-1	-	1-3		1	52	
965	92	di- β -naphthalenesulfonic acid	(V-54)	10	-	-	0-1	1-3	9-13	-		1	52	
966	92	di- <u>p</u> -toluenesulfonic acid salt	(V-52)	10	-	-	-	-	-	9-13		1	52	
967	92	mono monoanate (D-1)	(V-66)	10	-	-	-	-	-	-		1	51	
968	92	Ethylenediamine; <u>N,N,N',N'</u> -tetrabutyl-; zinc chloride complex	(V-321)	10	-	-	-	5-9	-	-		1	51	
969	32	Ethyl oxamilate	(No code)	10	3½-5½	-	-	-	-	-		3		
970		Fluorescin	(No code)	10	-	-	-	-	-	-		1	50	
971	81	Fluosilicic acid, copper salt ester	(Lot AX-1-135)	10	-	3½-5½	-	3½-5½	-	3½-5½		1	60	
	81		(W-11-153a)	10	-	6-9			-	4-6	-	0-4	3	50
				10	2-3½	3½-4½	-	3½-4½	-	4½-8½		3		

972	119	Fluphenazine dihydrochloride	(No code)	10	½-2	2-4	0-½	½-2	0-½	½-2			1	50
				10	0-1	1-6	-	0-1	-	0-1			1	50
973		Fumaric acid	(No code)	10	-	-	-	-	-	-			1	50
974	73	2-Furaldehyde	(Bio-3347)	10	-	-	-	-	-	-			1	50
975	71	Azine	(510,346)	10	-	-	-	10-14	14-18	18-22			1	52
976	109	5-nitro-	(NF-2)	1	-	-	8-12	12-16	-	-			1	51
				10	-	2-4	-	0-2	-	2-4	0-2	2-4	1	50
977	109	2-ethylsemicarbazone	(No code)	10	-	-	-	-	-	-			3	
978	109	2-methylsemicarbazone	(NF-61)	6	-	-	-	-	-	-	-	-	1	50
				10	-	-	-	-	-	-	-	-	3	50
979	74	oxime	(Lot 1813)	10	-	-	-	8-12	2-4	4-8			1	52
	109		(No code)	10	-	-	-	12-16	-	9-12			3	
980	74	semicarbazone	(Lot 21051)	10	-	8-12	-	8-12	-	4-8			1	50
981	71	semioxamzone	(503,239)	10	-	7½-9½	2-4	4-6	0-1	2-4			1	52
982	71	Furan, 2- [(cinnamyloxy) methyl] -	(104,134)	10	10-14 ^A	-	14-18	-	2½-5	10-14			1	57
983	89	Furan, methyl	(No code)	10	-	-	-	-	-	-			1	50
984	89	methyltetrahydro-	(No code)	10	-	-	-	-	-	-			1	50
985	71	tetrahydro-	(100,408)	10	-	-	-	-	-	-			1	57
986	115	2-Furanacrylic acid; benzyl ester	(0-5884)	10	-	-	-	5-7	-	2½-5			1	57
987	71	5-nitroethyl ester	(501,105)	10	-	-	0-1	1-2	-	0-1			1	52
988	92	2-Furanglyconitrile; crotonate	(ER-131)	10	½-2½	2½-5	0-½	½-1½	0-½	½-1½			1	57
989	89	Furfural	(No code)	10	-	0-2	-	0-2	-	0-2			1	53
990	73	2-Furfuraldehyde	(Bio-3347)	10	-	-	-	-	-	-			1	50
991	89	Furfuryl alcohol	(No code)	10	-	-	-	-	-	-			1	50
992	32	carbanilate	(No code)	10	½-1½	7-9	2½-5	5-7	2½-5	7-10			1	57
				10	0-1	17-21	0-1	8½-13	0-1	14-16			1	50

^ARegained equilibrium by 22 hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
993	89	tetrahydro-	(No code)	10	-	-	-	-	-	-	-	1	50
994	68	Furfurylamine,	(Lot 4, C-633-a)	10	-	-	-	-	-	-	-	1	49
995	68	<u>N</u> -methyl-	(Lot 4, C-633-D)	10	-	-	-	-	-	-	-	1	49
996	68	<u>N</u> -methyl tetrahydro-	(Lot 2, C-633-C)	10	-	-	-	-	-	-	-	1	49
997	68	tetrahydro-	(Lot 2, C-633-B)	10	-	-	-	-	-	-	-	1	49
998	92	2-Furoic acid; <u>n</u> -octyl ester	(Q-77)	5	0-1½ ^A	-	0-1½ ^A	-	0-1½ ^A	-	-	1	52
				10	0-1½	3½-5½	0-1½	5½-7½	0-1½	-	1	52	
				10	0-1	1-2	-	-	-	-	1	53	
				15	0-1½ ^B	-	0-1½ ^C	-	0-1½ ^B	-	1	52	
				20	-	0-½	-	0-½	-	0-½	1	53	
				20	-	0-1	-	0-1	-	0-1	1	52	
999	10	G-3300	(Lot 229)	10	-	-	-	-	-	-	1	50	
1000	113	Gallamide	(ID U14,270)	10	-	0-1	-	0-1	-	0-1	1	59	
1001	17	Gentian Violet	(No code)	10	-	-	-	-	-	-	1	49	
1002	38	Giberellic acid 75%	(7444)	10	-	-	-	-	-	-	1	49	
1003	113	Glyoxal, bis(6-methyl-2-pyridyl)-	(ID U7643)	10	-	-	-	-	-	-	1	52	
1004	113	bis (sodium hydrogen sulfite) hydrate	(ID U1019)	10	-	-	-	-	-	-	1	50	
1005	113	(<u>p</u> -bromophenyl)-; hemihydrate	(ID U1846)	10	-	17-19	5-9	13-17	-	5-9	1	58	
1006	6	Guanidine, dodecyl-; acetate ("CYPREX")	(No code)	10	-	5½-7½	-	5½-7½	-	12-16	1	53	
1007	71	monohydrobromide	(800,144-12)	10	-	1-2	-	0-1	-	0-1	1	53	
1008	23	Hematoxylin	(No code)	10	-	-	-	-	-	-	1	52	
1009	118	Heptachlor (technical)	(No code)	10	-	-	-	-	-	-	1	53	

^ARegained equilibrium by 7½ hours

^BSquawfish and Coho regained equilibrium by 3 hours

^CChinook regained equilibrium by 16 hours

1010	115	2-Heptanol, 1-phenyl-3-ethyl	(O-5945)	10	3½-4½	4½-8½	-	1½-3½	-	1½-3½	3	
				2	-	-	-	-	-	-	1	50
				5	-	0-2	0-2	6-10	0-6	6-10	1	53
				10	-	1½-4	-	-	-	-	1	53
1011	58	1-Hexadecanol	(Lot 24763L)	10	-	-	-	-	-	-	1	52
				10	-	-	-	-	-	-	2	59
1012	2	2,4-Hexadiene, 3,4-bis-(4-hydroxyphenyl)- ("DIENESTROL")	(No code)	5	-	-	-	5-7	-	5-7	4	
				10	-	-	-	-	-	-	1	53
				10	-	-	-	-	-	-	1	50
				10	-	-	-	-	-	-	4	48
				10	-	-	-	-	-	-	2	68
1013	73	Hexamethylenetetramine	(Bio-3357)	10	-	-	-	-	-	-	1	50
	5		(No code)	10	-	-	-	-	-	-	1	51
				10	-	-	-	-	-	-	2	66
				15	-	-	-	-	-	-	2	53
1014	92	1,4,7,13,16,19-Hexoxa-10-thianonadecane, 1, 19-bis(p-chlorophenyl)-	(Cr-836)	10	0-1	-	0-1	3½-5½	0-1	-	1	56
1015	92	Hexylamine, N,N-di-(2-ethylhexylaminoethyl)-2-ethyl	(V-116)	10	-	0-1½	-	0-1½	-	0-1½	1	54
1016	32	3-Hexyne, 2,5-dimethyl-2,5-dicarbanilino-	(No code)	1	-	-	-	-	-	-	1	50
				10	-	0-1	-	0-1	0-1	1-2	3	
1017	5	Hydantoic acid, phenylthio-	(No code)	10	-	-	-	-	-	-	2	57
				10	-	-	-	-	-	-	1	51
1018	71	Hydratropnitrile, <i>β</i> -p-toluyyl-	(505,578)	10	-	-	0-1	1-2	0-1	1-2	1	53
1019	73	Hydrazine, 2,4-dinitrophenyl-	(Bio-3356)	10	-	-	-	-	-	-	1	50
1020	73	4-nitrophenyl-	(Bio-3355)	10	-	-	2-4	10-14	2-4	-	1	69
1021	81	Hydrazinium trifluorostannite	(HH-4-166)	10	-	-	-	-	-	-	1	58
1022	92	Hydrocinnamic acid <i>α</i> -cyano-; ethyl ester	(H-114)	10	0-1	2-4	0-1	2-4	0-1	4-6	1	52

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F	
				E	D	E	D	E	D	E	D			
1023	5	Hydrogen peroxide 30%	(No code)	10	-	-	-	-	3-5	-	-	1	53	
				10	-	-	-	-	-	-	-	2	66	
1024	119	Hydroquinone	(No code)	10	-	-	-	-	-	-	-	1	50	
				10	-	-	-	-	-	-	-	1	50	
1025	71	Hydroquinone allyl-	(105,308)	10	-	9½-14	-	8½-9½	-	8½-9½	-	1	51	
1026	66	4,5-Imidazoledicarboxamide ("GLYCARYLAMIDE")	(63RTS171)	10	-	-	-	-	-	-	-	1	52	
1027	92	Imidazolidine, 1,3-dinonyl-	(SM-365)	10	0-1	1-2	-	0-1	-	0-1	-	1	53	
1028	92	2-Imidazoline, 1-(2-aminoethyl)-2-(8-hepta-decenyl)-	(O-1841)	10	0-1	1-2	-	0-1	-	0-1	-	1	53	
1029	92	2-(3,4-dichlorophenylmethylmercapto)-; hydrochloride	(Lo-77)	10	0-1	-	-	0-1	-	0-1	-	1	51	
1030	91	1,3-Indandione, 2-isovaleryl-	(No code)	10	-	7½-9½	-	7½-9½	-	2-4	-	1	52	
1031	92	Indane, 2-hydroxy-8,8-dimethoxy-4,7-endomethylene-1,4,5,6,7-pentachloro-3a,4,7,7a-tetrahydro-	(Q-177)	10	0-1	4-6	0-1	2-4	-	0-1	-	1	52	
1032	118	1,2,4,5,6,8,8-octachloro-3a,4,7,7a-tetrahydro-4-7-methano- ("CHLORDANE") technical AG grade	(No code)	10	3½-4½	4½-8½	-	0-2	-	0-2	-	3		
				10	3½-6½	6½-8½	-	-	-	0-2	-	-	1	53
1033	39	3-Indanione, sodium 2-isovaleryl-1,-	(No code)	10	-	3-7	-	3-7	-	0-1	-	1	52	
1034	92	Indene, 8,8-dimethoxy-4,7-endomethylene-3,4,5,6,7-pentachloro-3a,4,7,7a-tetrahydro-	(Q-198)	10	-	2-4	0-1	2-4	0-1	2-4	-	1	52	
1035	118	1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano- ("HEPTACHLOR") technical 73%	(No code)	10	3½-4½	4½-8½	-	1½-3½	-	1½-3½	-	3		
1036	29	Indigo-carmin	(No code)	10	-	-	-	-	-	-	-	1	52	
1037	64	Indole	(5246)	5	22-24	-	-	-	-	-	-	1	57	
				10	0-½	2-14	-	-	0-½	2-14	0-½	2-14	1	50
				10	0-½	½-3	-	-	-	-	-	-	2	59

1038	60	Indole-3-carboxaldehyde	(11653)	10	-	1-3	-	-	1-3	1	60			
1039	12	Iodonium compounds; bis(N-hexylphenyl)---chloride	(No code)	10	-	0-1	-	0-1	-	0-1	1	51		
1040	71	diphenyl---iodide	(000,488-13)	10	-	-	19-21	-	-	-	1	52		
1041	116	Iron salt of pine gum 65%, and turpentine 35%	(No code)	10	-	-	16-18	20-22	-	-	1	51		
1042	71	Isatin, 5,7-dinitro-	(508,453)	10	-	-	-	-	-	-	1	51		
1043	71	7-methyl-	(507,199)	10	-	-	-	-	-	-	1	51		
1044	92	Isobiuret, 2,4-dibenzyl-1-phenyl-2,4-dithio-; monohydrochloride	(Cr-1128)	10	-	-	-	-	-	-	1	52		
1045	92	Isobutyraldehyde, dimethylallyl acetal	(SM-340)	10	-	-	-	-	-	-	1	53		
1046	92	α, α' -dithiodi-	(0-2133)	10	-	-	7-11	-	-	-	1	52		
1047	58	Isobutyric acid, 2,3-dichloro- sodium salt	(Lot 27996)	10	-	-	-	-	-	-	1	69		
				10	-	-	-	-	-	-	1	51		
1048	40	Isobutyric acid, α -hydroxy-	(No code)	10	-	-	-	-	-	-	1	50		
1049	40	α -hydroxy anilide	(2385-16)	10	-	-	-	-	-	-	1	50		
				10	-	-	-	-	-	-	1	50		
1050	40	methyl α -benzoyl- ester	(2385-16)	10	-	-	-	-	19-21	21-23	1	52		
1051	92	α -thiocyano-; ethyl ester	(Cr-27)	10	1½-2½	5-7	½-1½	1½-2½	½-1½	2½-5	1	57		
1052	92	Isobutyronitrile, α -hydroxy-	(Cr-88)	10	5-7	10-14	2½-5	10-14	5-7	10-14	1	57		
1053	92	benzoate	(ER-79)	10	-	-	-	18-21	-	-	4-6	10-12	1	50
1054	76	Isocitric acid (trisodium)	(No code)	10	-	-	-	-	-	21-24	1	56		
1055	73	Isocyanic acid, 3-chlorophenyl ester	(Bio-3338)	10	5½-12	-	5½-7½	16-20	5½-7½	12-16	1	53		
1056	73	<u>o</u> -nitrophenyl	(Bio-3393)	10	-	-	-	-	-	-	1	51		
1057	73	<u>m</u> -nitrophenyl ester	(Bio-3382)	10	-	-	-	-	-	-	1	51		
1058	73	<u>p</u> -nitrophenyl ester	(Bio-3381)	10	-	-	-	-	-	-	1	51		
1059	71	Isonicotinic acid, 2,6-dichloro-	(905,093)	10	-	-	-	-	-	-	1	51		
1060	92	Isophorel	(SM-217)	10	-	-	-	-	-	-	1	53		
1061	32	Isopropanol, dichloro-; (mixed isomers)	(No code)	10	0-1	1-2	-	0-1	-	0-1	1	51		

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. F
				E	D	E	D	E	D	E	D		
1062	71	Isopropylamine; complex with ½ f. wt. fluo-sillicic acid	(801,584A1) 10	-	-	-	-	-	-	-	-	1	51
1063	92	Isopropylxanthic acid; 3,4-dichlorobenzyl ester	(Lo-164) 10	-	-	-	-	-	-	-	-	1	53
1064	92	ester with thioglycolic acid	(Lo-166) 10	-	-	-	-	-	-	-	-	1	53
1065	71	Isopulegol	(100,264) 10	-	-	-	-	-	-	-	-	1	51
1066	78	Isoquinolinium compounds; lauryl----bromide ("ISOTHAN Q15", 20%)	(No code) 10	-	-	8½-13	13-17	-	-	-	-	1	53
1067	58	d-tubocurarine chloride	(Lot 29229) 10	-	-	-	-	-	-	-	-	2	66
			10	19-22	-	19-22	-	-	19-22	-	-	1	53
1068	91	Isothiocyanic acid, phenyl ester	(No code) 10	-	-	4½-8½	8½-13	8½-13	13-17	-	-	1	50
1069	71	Itaconic acid	(101,076) 10	-	-	-	-	-	-	-	-	1	51
1070	71	Ketone, 4-chlorophenyl 2-nitro-3-phenylcyclopropyl	(900,074) 10	-	-	-	-	-	-	-	-	1	51
1071	92	cyclopropyl furfurylidene-methyl	(SM-207) 10	-	-	7-11	11-15	7-11	11-15	-	-	1	52
1072	92	dichloromethyl trichloromethyl	(Q-100) 10	1-2	2-4	0-1	1-2	0-1	1-2	-	-	1	53
1073	71	methyl 3-thianaphthenyl	(402,901) 10	0-1	7½-9½	0-1	4-6	0-1	4-6	-	-	1	52
1074	71	Lactamide; acetate	(501,277) 10	-	-	-	-	-	-	-	-	1	51
1075	71	N-2-hydroxyethyl-; diacetate	(507,523) 10	-	-	-	-	-	-	-	-	1	51
1076	71	N-propyl	(500,520) 10	-	-	-	-	-	-	-	-	1	52
1077	71	Lactanilide, N-2-hydroxyethyl-	(507,527) 10	-	-	-	-	-	-	-	-	1	51
1078	71	Lactic acid	(100,380) 10	-	-	-	-	-	-	-	-	1	51
1079	71	acetate, allyl ester	(101,653) 10	-	-	-	-	-	-	-	-	1	51
1080	71	acetate, o-allylphenyl ester	(101,802) 10	-	-	-	-	-	-	-	-	1	52
1081	71	acetate, carbomethoxymethyl ester	(101,654) 10	-	-	-	-	-	-	-	-	1	51
1082	71	acetate, cyclohexyl ester	(101,241) 10	-	-	-	-	-	-	-	-	1	51
1083	71	acetate, ester with 3a,4,5,6,7,7a-hexahydro-4,7-methaninden-5 (or 6)-ol	(106,393) 10	1-3	-	-	-	-	-	-	-	1	52

1084	71	Lactic acid, allyl ester	(101,106)	10	-	-	-	8½-13	8½-13	11-17	1	48
1085	71	allyl ester, lactate, hydrogen carbonate, diester with diethylene glycol	(103,474)	10	-	-	13-17	-	-	-	1	51
1086	32	benzyl ester, carbanilate	(No code)	10	2-4½	-	-	-	-	-	1	51
				15	-	-	-	-	-	-	1	50
1087	32	butyl ester, <u>m</u> -cyanocarbanilate	(No code)	10	0-1	-	1-2	2-4½	1-2	2-4½	1	51
1088	71	butyl ester, ester with diethylene glycol, mono (butyl carbonate), mono (hydrogen carbonate)	(107,778)	10	-	-	-	-	-	-	1	51
1089	71	butyl ester, ester with diethylene glycol, mono (2-ethylbutyl carbonate), mono (hydrogen carbonate)	(107,781)	10	-	-	-	-	-	-	1	51
1090	71	butyl ester ester with diethylene glycol, mono (hydrogen carbonate), mono (isooctyl carbonate) (isooctyl is mixture of isomers)	(107,785)	10	-	-	-	-	-	-	1	51
1091	71	2-chloroallyl ester	(400,902)	10	-	-	-	-	-	-	1	51
1092	71	3-chloroallyl ester	(400,905)	10	-	-	8½-13	11-17	-	-	1	53
1093	32	2-(2-chloroethoxy) ethyl ester hydrogen carbonate, diester with diethylene glycol	(401,340)	10	-	-	-	-	-	-	1	51
1094	32	2-chloroethyl ester, carbanilate	(No code)	10	-	-	-	-	-	-	1	52
1095	71	cyclohexyl ester	(101,700)	10	-	-	-	-	-	-	1	51
1096	71	diester with diethylene glycol	(102,392)	10	-	-	-	-	-	-	1	52
1097	32	<u>N</u> -ethylcarbamate	(No code)	10	-	-	-	-	-	-	1	52
1098	71	Lactic acid; hexyl ester, lactate	(104,196)	10	-	-	-	-	-	-	1	52
1099	58	methyl ester	(Lot 35158)	10	-	-	-	-	-	-	2	57
				10	-	3-7	-	3-7	-	3-7	1	53
1100	71	x-methylcyclohexyl ester, hydrogen carbonate, diester with diethylene glycol	(103,484)	10	-	-	-	-	-	-	1	52
1101	71	1-methylheptyl ester, lactate	(103,434)	10	-	-	-	-	-	-	1	51
1102	71	nickel (11) salt	(100,380-68)	10	-	-	8½-13	13-17	-	-	1	51

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
1103	71	propyl ester, lactate	(104,189)	10	-	-	-	-	-	-	-	1	52
1104	71	propyl ester, propyl carbonate	(101,511)	10	-	-	-	-	-	-	-	1	52
1105	71	3,5,5-trimethylhexyl ester	(104,198)	10	-	-	-	-	-	-	-	1	51
1106	71	2-methyl-; allyl glycolate ester, acetate	(101,763)	10	-	-	-	-	-	-	-	1	52
1107	71	Lactimide, N,N-bis(2-hydroxypropyl)-; triacetate	(510,562)	10	-	-	-	-	-	-	-	1	52
1108	71	Lactin, 1-mono-	(107,771)	10	-	-	-	-	-	-	-	1	52
1109	92	Lactonitrile; 3,3,3-trichloro-	(FW-86)	10	0-1	4-7½	-	0-1	-	0-1	-	1	52
1110	92	3,3,3-trichloro-p-chlorobenzoate	(ER-130)	10	0-1	1-2	-	0-1	-	0-1	-	1	53
1111	92	Lauranilide	(Cr-860)	10	-	-	-	-	-	-	-	1	52
1112	92	Lauric acid, allyl ester	(Cr-1589)	10	-	-	-	-	-	-	-	1	53
1113	92	2-anilinoethyl ester	(Cr-821)	10	-	-	-	-	-	-	-	1	52
1114	92	2-anilinoethyl ester, hydrochloride	(Cr-822)	10	-	-	-	-	-	-	-	1	53
1115	92	Lauric acid, 3-bromo-2-methyl-2-thiocyanopropyl ester	(Cr-1602)	10	-	-	-	-	-	-	-	1	52
1116	92	3-bromo-2-thiocyanopropyl ester	(Cr-1598)	10	-	-	-	-	-	-	-	1	53
1117	92	γ-chloroallyl ester	(Q-75)	10	0-1	17-19	1-2	2-4½	0-1	1-2	-	1	51
1118	92	2- [2-chloroethoxy] ethyl ester	(Cr-595)	10	-	-	-	-	-	-	-	1	53
1119	92	2,3-dibromopropyl ester	(Cr-1592)	10	-	-	-	-	-	-	-	1	53
1120	92	diester with 2,2'-dithiodiethanol	(Cr-591)	10	-	-	-	-	-	-	-	1	53
1121	92	2,3-dithiocyno-2-methylpropyl ester	(Cr-1603)	10	-	-	-	-	-	-	-	1	53
1122	71	ester with 1,3-dimethylbutyl lactate	(103,465)	10	-	-	-	-	-	-	-	1	52
1123	92	ester with 2-N-ethylanilinoethanol	(Cr-857)	10	-	-	-	-	-	-	-	1	53
1124	92	ester with N-(2-hydroxyethyl) lauranilide	(Cr-830)	10	-	-	-	-	-	-	-	1	52
1125	115	glycerol monoester	(0-3482)	10	-	-	-	-	-	-	-	1	52
1126	92	2-methylallyl ester	(Cr-1590)	10	-	-	-	-	-	-	-	1	53

1127	92	p-nitrobenzyl ester	(Cr-862)	10	-	-	-	-	-	-	-	1	53	
1128	92	2-[2-(2-thiocanoethoxy) ethoxy] ethyl ester	(Cr-598)	10	-	-	-	-	-	-	-	1	53	
1129	71	triester with N,N-bis(2-hydroxyethyl) lactamide)	(505,912)	10	-	-	-	-	-	-	-	1	52	
1130	92	Laurophenone, x,x-dihydroxy- (from resorcinol)	(SM-195)	10	-	-	-	-	-	-	-	1	51	
1131	123	Lauryl alcohol, with 36 moles of ethylene oxide, condensation product	(0-4663)	10	-	-	-	-	-	-	-	1	52	
1132	71	Lauseto Neu-M-2509	(700,060)	10	-	-	2-4	-	-	-	-	1	52	
1133	71	Lead chloride, triphenyl-	(001,149)	10	-	-	-	4-6	-	-	-	1	52	
1134	81	Lead fluorophosphate, mono-	(No code)	10	-	-	-	-	-	-	-	1	51	
1135	81	Lead hexafluorostannate	(HH-5-106, MA-2-117)	10	-	-	-	10-17	-	-	-	1	50	
				10	-	-	-	-	-	-	-	3		
1136	62	Lead nitrate (technical)	(No code)	10	-	-	4-6	6-10	-	-	-	1	52	
1137	71	Lepidine	(800,556)	10	-	-	0-1	-	0-1	-	-	1	52	
				10	-	-	-	-	-	-	-	1	52	
1138	92	Lethane 60; B-thiocyano ethyl ester of alphatic acids	(Lot 1)	10	-	-	-	-	-	-	-	1	50	
1139	71	L-Leucine, N-(2-cyanoethyl)	(501,700)	10	-	-	-	-	-	-	-	1	52	
1140	89	Levulinate acid, butyl	(No code)	10	-	-	-	-	-	-	-	1	52	
1141	89	Levulinic acid	(Lot 710-739)	10	-	-	-	19-21	-	-	-	1	52	
1142	92	allyl ester	(SM-70)	10	-	13-17	-	13-17	6½-8½	8½-11	-	13-17	1	56
1143	49	Light Green	(No code)	10	-	-	-	-	-	-	-	1	50	
				10	-	-	-	-	-	-	-	1	50	
1144	11	Lithium chloride	(2370)	5	-	-	-	-	-	-	-	1	52	
				10	-	-	-	-	-	-	-	2	57	
				10	-	2½-6½	-	2½-6½	-	6½-11	-	1	54	
1145	81	Lithium hexafluorotitanate	(MA-2-125)	10	6-10	-	-	-	-	-	-	1	58	
				15	-	7-11	-	5-7	-	5-7	-	1	53	

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. F	
				E	D	E	D	E	D	E	D			
1146	23	Malachite green-oxalate	(No code)	10	-	2-4	1-2	2-4	1-2	2-4		1	50	
1147	6	Malathion (50% emulsifiable liquid)	(No code)	10	-	-	-	0-3	-	0-3		1	50	
1148	6	Malathion (technical)	(No code)	10	-	-	-	0-3	-	0-3		1	50	
1149	92	Maleic acid; 2-chloroethyl 2-thiocyanoethyl ester	(Q-24)	10	-	12-16	3½-7½	7½-12	½-3½	3½-7½		1	52	
1150	92	di(2-chloroethyl) ester	(Cr-44)	10	-	8-11	1-3	3-5	1-3	3-5		1	52	
1151	92	di(2-thiocyanoethyl) ester	(Q-26)	10	-	-	-	-	-	-		1	57	
1152	71	Malonic acid, benzylidene-; diethyl ester	(103,353)	10	½-3½	7½-12	½-3½	3½-7½	½-3½	3½-7½		1	50	
1153	71	(2-butenyl) butyl-; diethyl ester	(104,731)	10	½-1½	5-7	½-1½	1½-2½	-	½-1½		1	57	
1154	117	diethyl dibromo- ester ("VANCIDE F-845")	(No code)	10	0-½	½-2	-	0-½	-	0-½		3		
1155	60	diethyl ester (ID 1035, Lot 790,008)		10	-	-	-	-	-	-		1	64	
1156	60	diethylisoamylethyl ester (ID 1052, Lot 786,567)		10	3-6	6-10	-	6-10	-	6-10		3		
1157	60	diethyl isobutylcrotyl ester (10809, Lot Doran 7D-17-39A)		10	0-2	2-6	-	-	-	0-2		1	54	
1158	60	diethyl isobutyl ester (11341, Lot O13-99-133)		10	-	0-1	-	0-1	-	0-1		1	59	
1159	71	ethylidene-; diethyl ester	(102,165)	10	2-4	4-6	1-2	2-4	1-2	2-4		1	53	
1160	92	Mandelonitrile, 3,4-methylenedioxy-; benzoate	(ER-151)	10	-	-	-	-	-	-		1	53	
				10	0-1	2-4	0-1	1-2	0-1	2-4		1	53	
1161		Manganous chloride, 4 hydrate (MnCl ₂ · 4H ₂ O)	(No code)	10	-	-	-	-	-	-		1	54	
1162	33	Melicopidine	(No code)	10	0-2	3½-4	0-2	3½-4	0-2	3½-4		1	54	
1163	2	Mercuric borate, phenyl-	(No code)	1	0-1	2-4	-	0-1	-	0-1		1	52	
				10	-	0-2½	-	-	-	0-2½	-	0-2½	4	50
				10	-	0-1	-	-	-	-		2	68	
1164	5	Mercuric hydroxide, phenyl-	(No code)	1	0-3	3-5	-	0-3	-	0-3	-	0-3	1	50
				1	0-1	1-3½	-	0-1	-	0-1		1	52	
				10	0-½	½-2½	-	-	0-½	½-2½	-	½-2½	4	50

				10		0-1	-	0-1	-	0-1	-	0-1	2	68
			(1256, FX830)	1	0-1	1-3/2	-	0-1	-	0-1	-	0-1	1	52
1165	62	Mercury chloride	(No code)	10	-	1-3	-	1-3	-	1-3	-	1-3	1	52
1166	38	Mercury, phenyl-; nitrate	(3240)	1	-	3/2-7/2	-	0-1	-	0-1	-	0-1	1	51
				5	-	0-1	-	-	-	0-1	-	-	4	59
				5	0-1	1-3	-	-	-	-	-	-	2	57
				10	-	0-1	-	-	-	0-1	-	0-1	1	50
				10	-	0-1	-	-	-	-	-	-	2	57
	58		(Lot 38249)	1	-	4-8	-	0-1	-	0-1	-	0-1	1	52
				1	-	5-17	-	-	-	5-17	-	5-17	4	48
				5	-	0-1/2	-	-	-	0-1	-	0-1	4	48
				10	-	0-1	-	-	-	0-1	-	0-1	1	52
				10	-	0-2	-	-	-	-	-	-	2	59
1167	92	Methacrylic acid	(No code)	10	-	-	-	-	-	-	-	-	1	51
1168	92	Methane, bis(5-chloro-2-hydroxyphenyl)-; cetyl- dimethylamine mono salt	(WC-71)	10	1/2-2/2	2/2-5	-	1/2-1/2	-	1/2-1/2	-	1/2-1/2	1	57
1169	103	Methane, 2,2-dihydroxy-3-nitro-3',5,5'-trichloro- diphenyl-	(No code)	1	-	0-1/2	-	0-1/2	-	0-1/2	-	0-1/2	1	50
				10	-	0-1/2	-	0-1/2	-	0-1/2	-	0-1/2	3	
1170	92	(2'-hydroxy-3'-isopropyl-5'-chloro- phenyl)- (2-isopropoxy-3-isopropyl- 5-chlorophenyl)-	(WC-114)	10	0-1/2	3/2-7/2	0-1/2	1/2-3/2	0-1/2	1/2-3/2	-	1/2-3/2	1	52
1171	71	4,7-Methanoidene, 3a,4,7,7a-tetrahydro-	(000,070)	10	-	-	-	-	-	-	-	-	1	50
1172	71	4,7-Methanoidene-1,8-dione, 2,3,3a,4,5,6,7,7a- octachloro-3a,4,7,7a-tetrahydro	(404,039)	10	-	-	-	2/2-4/2	-	0-2/2	-	2/2-4/2	1	49
1173	1	4,7-Methanoideneone, decachlorotetrahydro-	(No code)	10	-	3/2-4	-	2-2/2	2-2/2	3/2-4	-	-	1	54
1174	65	Methoxychlor (purified)	(86)	10	1-2	-	1-2	2-5	-	2-5	-	-	1	52
1175	38	3-Methylcholanthrene	(4383)	10	-	-	-	-	-	-	-	1-3	2	66
				10	-	-	-	-	-	-	-	1-3	1	53
1176	92	Methyleneimine, N-dodecyl-	(0-1832)	10	-	3/2-7/2	-	1/2-3/2	-	3/2-7/2	-	-	1	52

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F	
				E	D	E	D	E	D	E	D			
1177	37	Methyl Red	(No code)	10	-	-	-	5-7%	-	4-5	-	1	51	
1178	7	Methylthionine chloride ("METHYLENE BLUE")	(652)	5	-	-	-	-	-	-	-	1	50	
				10	-	-	-	-	-	-	-	2	59	
1179	38	Monocrotaline	(No code)	10	-	-	-	-	-	-	-	1	49	
1180	123	Morpholine, N- (x-methylacetoneitrile) (W-24, Lot 0-17338)		10	0-1	-	0-1	1-2	0-1	1-2	-	1	52	
1181	71	4-(2-naphthylthioacetyl)-	(905,121)	10	-	0-1	0-1	1-2	-	0-1	-	1	53	
1182	116	Morpholine salt of pine gum 70%, and turpentine 30%	(No code)	10	2-4	-	2-4	4-8	2-4	4-8	-	1	52	
1183	66	Mucochloric acid; 2-chloroethyl ester	(No code)	10	-	7-10	2½-5	5-7	2½-5	5-7	-	1	57	
1184	115	Myristic acid; glycerol-1,3-dimethyl ether ester (0-3498)		10	-	5-7	-	1½-2½	1½-2½	2½-5	-	1	57	
1185	71	Naphthalene, 1-bromo-2,3-dimethyl-	(001,147)	10	-	-	-	-	-	-	-	1	53	
1186	92	1-(2-bromoethoxy)-4-nitro-	(Cr-945)	10	0-2	-	-	6-8	0-2	12-17	-	6-8	1	52
1187	118	1,2,3,4,10,10-hexachloro-6-7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4,5,8-dimethano- ("ENDRIN") tech. 94.5%	(No code)	10	0-2	2-4	0-2	2-4	0-2	2-4	-	0-2	1	50
				10	0-1½	2-3½	-	0-1½	-	0-1½	-	-	3	
1188	91	1-Naphthalenesulfonic acid, 4-amino-5-hydroxy-	(No code)	10	-	-	-	-	-	-	-	1	50	
1189	71	1,3,6-Naphthalenetrisulfonic acid, 9-amino-; disodium salt	(904,13965)	10	-	-	-	-	-	-	-	1	50	
1190	75	Naphthenic acid, mercury salt, 25% Hg ("NUODEX MERCURY 25%")	(No code)	10	7-11	11-15	-	7-8	-	7-8	-	1	52	
1191	17	2-Naphthol, benzene-azo-benzene-azo- ("SUDAN 111")	(No code)	10	-	-	-	-	-	-	-	1	50	
				15	-	-	-	21-23	19-21	-	-	1	51	
1192	115	1-Naphthol, 2,4-dichloro-	(0-183-a)	10	0-1	1-2	-	0-1	-	0-1	-	1	53	
1193	71	2-Naphthol, 1,6-dibromo-	(403,757)	10	0-1	1-2	-	0-1	-	0-1	-	1	53	
1194	92	1-piperidinomethyl-	(Lo-463)	10	-	9½-14	-	0-1	-	0-1	-	1	52	
1195	32	x,x-Naphthoquinone	(No code)	10	-	0-1	-	0-1	-	0-1	-	1	52	

1196	112	2,3-dichloro-	(No code)	10	-	0-2	-	0-2	-	0-2	1	54		
1197	38	1,2-Naphthoquinone	(1705)	1	-	1-2	-	0-1	-	0-1	1	52		
				10	0-½	½-2½		0-½	½-2½	-	½-2½	4	50	
				10	-	1-2½						2	68	
1198	71	1,2-Naphthoquinone	(100,251)	10	-	0-1	-	0-1	-	0-1	1	52		
				10	-	0-2	-	0-2	-	0-2	1	54		
1199	38	1,4-Naphthoquinone pract.	(P1704)	1	-	3½-7½	-	0-1	-	0-1	1	51		
				5	-	0-1					2	57		
				5	-	0-½			-	0-½	4	57		
				10	0-½	½-1					2	69		
1200	72	1,4-Naphthoquinone, 2,3-dichloro- ("PHYGON TECHNICAL", 95% active)	(No code)	10	-	0-3	-	0-3	-	0-3	1	50		
1201	92	9,9-dimethoxy-5,8-endomethylene-5,6,7,8-tetrachloro-5,6,7,8-tetrahydro-	(Q-189)	10	-	-	-	17-21	-	-	4½-6½	6½-8½	1	52
1202	38	2-methyl	(No code)	10	-	0-3	-	0-3	-	0-3	1	50		
1203	5	1-Nicotine	(No code)	5	6½-22	22-26					2	57		
				5	1-1½	6-18			-	1-1½	-	1-1½	4	48
				10	0-½	2-14			-	0-2	-	0-2	4	50
				10	-	-	-	-	-	-	1	57		
				10	-	-	-	-	-	-	1	51		
1204	71	Nicotine; complex with ½ f. wt. of cadmium thiocyanate	(800,203-A5)	10	6-7½	9½-14	-	9½-14	1-2	2-4	1	52		
1205	71	complex with 1 f. wt. copper (1) thiocyanate	(800,203-A3)	10	6-8	8-10	-	6-8	6-8	8-10	-	6-8	1	52
				10	-	2-6	-	2-6	-	2-6	1	50		
1206	71	complex with 1 g. wt. of thiocyanic acid and 1 f. wt. of copper (11) thiocyanate	(800,203-A6)	10	-	3-5	-	1-3	-	1-3	1	52		
1207	71	complex with 1 f. wt. of thiocyanic acid and ½ f. wt. of manganese (11) thiocyanate	(800,203-A8)	10	-	2½-5	-	5-9	-	0-1	1	53		

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
1208	65	Sulfate (40%)	(98) 10	-	-	-	-	-	-	-	-	1	41
1209	38	Nicotinic acid	(2266) 5	-	-							2	53
			10		-	2-10	-	2-10				1	52
			10	-	5-25							2	68
			10	-	-							4	48
1210	76	Nitric acid, alpha ketone	(No code) 10	4-8	-	-	-	-	-	-	-	1	50
			15	-	-	16-22	22-24	-	-			1	54
			15	-	6½-11	-	-	-	-			1	50
			20	-	-	-	-	-	-			1	49
1211	73	p-Nitrobenzyl bromide	(Bio-3376) 2.5	-	10-18	-	10-18	7-8½	8½-10	-	10-18	1	50
			10	-	1½-5½	-	0-1½					3	
1212	74	1-(5-Nitrofurfurylideneamino) hydantoin	(Lot 8277) 10	-	-	-	-	-	-	-	-	1	50
1213	117	Nonionic detergent ("VANZAK 112")	(No code) 10	-	-	-	-	-	-	-	-	3	50
1214	71	Nonylamine, N-(1,1,3,3-tetramethylbutyl)-; complex with ½ f. wt. fluosilicic acid	(801,587-A1) 10	4-7½	-	4-7½	14-18	4-6	14-18			1	51
1215	92	1-Nonyne, 3-dimethylamino-	(Q-296) 10	0-1	1-3½	-	0-1	-	0-1			1	51
1216	92	Nordicyclopentane, x-bromo-x,x-dichloro-	(Cr-1237) 10	0-2	-	0-2	4-6	0-2	-	0-2½	2½-4½	1	46
1217	115	9-Octadecenylamine, N,N-dimethyl-	(O-5734) 10	-	1-3½	-	0-1	-	0-1			1	50
1218	60	Octane, 3,6-dibromo-	(15759) 5	-	-	-	-	-	-			1	53
			10	-	-	-	0-16	-	0-16			1	65
1219	92	Octanoic acid; 2-cyano-2-propyl ester	(ER-96) 10	½-3½	2½-7½	-	½-3½	½-3½	2½-7½			1	52
1220	92	2-(2-thiocyanoethoxy) ethyl ester	(Cr-583) 10	-	1-3½	0-1	1-3½	0-1	1-3½			1	51
1221	92	2-Octeneamine, N-(1,1,3,3-tetramethylbutyl)-5,5,7,7-tetramethyl-	(V-210) 10	1½-2½	2½-5	-	0-1½	0-1½	1½-2½			1	57
1222	92	4-Octen-1-yne, 4-ethyl-3-sorboxy-	(SM-299) 10	3-7	19-21	-	1-3	-	1-3			1	52
			10	-	-	12-16	16-19	-	12-16			1	50

1223	91	Octofolline	(No code)	10	-	1-2	-	0-1	0-1	1-2	1	53
1224	92	<u>tert</u> -Octylamine	(6-5773-61)	10	-	-	-	-	-	-	1	50
1225	92	Octylphenol-formaldehyde polymer and cyclohexylamine	(FW-163)	10	0-1	3½-8½	0-1	1-2	0-1	1-2	1	50
1226	92	1-Octyne, 3-di(3',5',5'-trimethylhexyl) amino-5,7,7-trimethyl)-	(Q-305)	10	7-10	-	7-10	-	10-14	-	1	57
1227	92	4-ethyl-3-hydroxy-	(SM-339)	2	-	-	-	-	-	-	1	53
				5	0-1½	1½-7½	-	-	-	-	1	52
				10	-	0-1	0-1	11-15	0-1	20-22	1	52
				10	2-6	10-12	0-2	-	0-2	-	1	50
1228	92	3- [methyl-(2-dimethylaminoethyl) amino]-6,7,7-trimethyl-	(Q-302)	10	½-1½	2½-5	½-1½	1½-2½	7-10	22-25	1	57
1229	4	Oil Red O	(826)	10	1-2	4-8	1-2	4-8	1-2	2-4	1	53
1230	92	Oleic acid; 4- <u>tert</u> -butyl-2,6-dinitrophenyl ester (Cr-895)		10	-	½-1½	-	½-1½	-	½-1½	1	57
1231	75	phenylmercury salt, 10% Hg ("NUODEX PMO 10") (No code)		10	-	3-7	-	0-3	-	0-3	1	50
1232	58	Orotic acid	(Lot 35015)	10	-	-	-	-	-	-	2	57
				10	-	-	-	-	-	-	1	52
1233	62	Oxamide, <u>N,N'</u> -bis(carboxymethyl) dithio-	(MSG-3)	10	-	-	-	-	-	-	1	64
1234	62	Oxamide, <u>N,N'</u> -bis(2-hydroxyethyl) dithio-	(MSG-2)	10	-	-	-	-	-	-	1	64
				10	-	-	-	-	14-18	-	1	50
1235	62	<u>N,N'</u> -dibenzyl dithio-	(MSG-42)	10	-	-	-	-	-	-	1	50
1236	62	<u>N,N'</u> -dicyclohexyl dithio-	(MSG-41)	10	-	-	-	-	-	-	3	
1237	62	<u>N,N'</u> -didodecyl dithio-	(No code)	10	-	-	-	-	-	-	1	64
1238	91	<u>N,N'</u> -diisopropyl-	(No code)	10	-	-	-	-	-	12-14	1	50
1239	62	dithio- (Rubeanic acid)	(MM-21)	10	-	-	-	-	-	-	1	64
1240	92	Oxanilic acid, copper (11) salt	(Cr-1109)	10	-	5-8	-	8-11	-	5-8	1	52
1241	74	2-Oxazolidinone, 5-morpholinomethyl-3-(5-nitro-furfurylidene-amino)- ("FURALTADONE")	(Lot 6262-4)	10	-	-	-	-	-	19-21	1	52

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water Temp. °F
				E	D	E	D	E	D	E	D	
1242	113	4-Oxonipecoic acid, 1-benzyl-; ethyl ester, hydrochloride (ID U10,500A)	10	-	-	-	-	19-21 ^A	-			1 52
1243	21	Paraffin, nitro-; insecticide ("DILAN") (25% active) (No code)	10	-	-	5-8	15-19	-	-			1 52
1244	73	Pentanamide, N-(3-chloro-4-methylphenyl)-2-methyl- ("SOLAN") technical (No code)	10	0-1	-	1-2	-	1-2	-			1 46
1245	91	2,4-Pentanedione, phenylmercurate (No code)	10	-	6-7½	1-2	2-4	1-2	2-4			1 53
1246	71	2-Pentanone, 4-methyl-1-phenyl- (103,203)	10	-	-			-	-	-	-	1 52
1247	92	1-Pentene, 3-hydroxy-4-methyl- (SM-405)	5	-	7-11	-	1-3	-	1-3			1 51
1248	92	3-Pentenenitrile, 2-hydroxy-; p-chlorobenzoate (ER-125)	10	0-1	1-3	0-1	1-3	0-1	1-3			1 48
1249	62	3-Pentenenitrile, 2-hydroxy-; crotonate (ER-122)	10	2-4	4-7½	0-1	2-4	0-1	2-4			1 52
1250	92	furoate (ER-142)	10	½-1½	2½-5	-	½-1½	0-½	1½-2½			1 57
1251	60	2-Pentenoic acid, ethyl 2-cyano-3-ethyl ester (11023, Lot 076-31-45)	10	-	1-3	-	1-3	-	1-3			1 60
1252	36	Percarbamic acid, dimethyltrithio-; butyl ester (No code)	10	-	0-3	0-1	1-3	0-1	1-3			1 51
1253	36	Perthiocyanic acid, copper (11) salt (No code)	10	-	-	-	-	-	-			1 52
1254	38	Phenanthrenequinone (1269)	1	-	3½-7½	-	0-1	-	0-1			1 51
			5	0-1	1-2½			-	0-1	-	0-1	1 50
			5	0-1	1-3							2 57
			5	0-½	½-1			-	0-1	-	0-1	4 59
			10	-	0-1							2 68
1255	58	o-Phenanthroline (Lot 26150)	5	-	-							2 57
			10	2-14	14-17			2-14	14-17	2½-14	14-17	4 50
			10	-	7-19							2 64
1256	115	Phenazine (0-65)	10	4-6	14-23	0-1	9½-14	0-1	9½-14			1 51

^ARegained equilibrium by 23 hours

1257	104	d-Phenethylamine, N, α -dimethyl-; hydrochloride (U.S.P.)	(No code)	10	-	-	14-16	16-18	-	10-12	1	52
1258	92	Phenetole, β -bromo-4-nitro-	(Cr-942)	10	2-3½	-	0-1	14-19	0-1	-	1	50
1259	92	β -chloro-2-methyl-	(Cr-407)	10	-	-	2-6	-	2-6	12-14	1	50
1260	92	4, β -dichloro-	(Cr-386)	10	-	-	-	6-10	-	10-12	1	50
1261	92	β , 2, 4-tribromo	(Cr-957)	10	-	-	-	-	1½-3½	-	1	51
1262	91	Phenol; 2-amino-4-nitro-	(No code)	10	-	-	-	-	-	-	1	52
1263	71	Phenol; 4-amino-2-phenyl-	(500,209)	10	19-21	21-23	8½-13	13-17	-	8½-13	1	50
1264	38	<u>m</u> -bromo-	(No code)	10	0-1	1-6	-	0-1	-	0-1	1	50
1265	73	4-bromo	(Bio-3332)	1	8-12	-	4-8	8-12	8-12	12-16	1	53
				7.5	0-1½	1½-4	0-1½	1½-4	0-1½	1½-4	1	50
				10	-	0-1	-	0-1	-	0-1	3	
1266	35	4-bromo-2-chloro-6-nitro-		1	0-1	1-4	-	0-1	-	0-1	1	52
				2.5	0-2	2-4	-	0-2	-	0-2	1	50
				10	0-½	½-1½	0-½	½-1½	0-½	½-1½	3	
1267	92	x-bromo-2-(1-methylheptyl)-x-nitro-; acetate	(Cr-1043)	10	0-1	1-3	-	0-1	-	0-1	1	51
1268	69	2-bromo-4-methyl-6-nitro-	(Cr-282)	1	-	7½-12	-	0-3½	-	0-3½	1	53
				2.5	0-3	3-5	-	0-3	-	0-3	1	50
				10	-	0-½	-	0-½	-	0-½	3	
1269	18	2-bromo-4-nitro-	(K# 13, 126)	10	-	0-2	-	-	-	0-2	1	52
				10	-	0-½	-	0-½	-	0-½	1	52
				10	-	0-2	-	0-2	-	0-2	1	50
				15	-	-	-	-	-	-	1	50
1270	35	3-bromo- nitration of crude product from:	(No code)	1	-	-	-	-	-	-	1	50
				10	-	1-2	0-1	1-2	0-1	1-2	3	
1271	71	2-bromo-4-phenyl-; sodium derivative	(400,703-65)	10	0-1	1-2½	0-1	1-2½	0-1	1-2½	1	50
1272	37	Phenol; 3-bromo-2,4,6-trinitro-	(No code)	5	-	-	-	-	-	-	1	50

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water Temp. °F	
				E	D	E	D	E	D	E	D		
				10	-	-	-	-	-	-	-	3	
1273	32	4-(2-butenyl)-	(No code)	10	0-1	4½-8½	0-1	4½-8½	-	0-1	-	1	50
1274	32	4-butyl-	(No code)	10	0-1	1-3	0-1	1-3	-	0-1	-	1	51
1275	71	4- <u>sec</u> -butyl-	(106,610)	10	-	0-1½	-	0-1½	-	0-1½	-	1	51
1276	65	4- <u>tert</u> -butyl-	(64)	10	-	0-3	-	0-3	-	0-3	-	1	50
1277	92	acetate	(Cr-540)	10	-	0-1	-	0-1	-	0-1	-	1	51
1278	68	N-butyl p-amino- ("SUCONOX 4")	(Lot 4)	10	-	-	-	-	-	-	-	1	52
1279	115	4- <u>tert</u> -butyl-2-chloro-	(0-60-a)	10	0-1	1-2	0-1	3-5	0-1	1-2	-	1	52
				10	0-1	1-2½	-	0-1	0-1	1-2½	-	1	52
1280	71	4- <u>tert</u> -butyl-2,6-dichloro-	(No code)	1	-	-	-	-	-	-	-	1	50
				10	0-1½	1½-2	0-1½	1½-2	-	0-1½	-	3	
1281	35	2- <u>sec</u> -butyl-x,x-dinitro- ("DOW GENERAL WEED KILLER")	(No code)	10	-	0-1	-	0-1	-	0-1	-	1	52
1282	92	4- <u>tert</u> -butyl-2,6-dinitro-	(Cr-516)	10	-	0-1	-	0-1	-	0-1	-	1	51
1283	92	acetate	(Cr-517)	10	-	0-1	-	-	-	0-1	-	1	51
1284	92	compound with pyridine	(Cr-893)	10	-	0-2	-	0-2	-	0-2	-	1	54
1285	92	4- <u>tert</u> -butyl-2-nitro-	(Cr-556)	10	0-1	3-5	0-1	3-5	0-1	3-5	-	1	51
1286	92	2-capryl-; salt with cetyldimethylamine	(WC-73)	10	-	2½-6	-	1-2½	-	1-2½	-	1	52
1287	92	2-capryl-6-crotonyl-	(SM-135)	10	7-9	9-13	-	1-2	-	3-5	-	1	51
1288	92	x-capryl-x,x-dinitro; salt with cetylamine, N,N-dimethyl	(WC-70)	10	-	0-1	-	0-1	-	0-1	-	1	51
1289	71	Phenol, 4-chloro-	(400,598)	10	0-1	17-21	-	0-1	-	0-1	-	1	51
1290	92	cetyldimethylamine salt	(WC-72)	10	-	0-2	-	0-2	-	0-2	-	1	48
1291	91	2-chloromercuri-	(No code)	10	-	1½-3½	-	0-1½	-	0-1½	-	1	51
1292	92	x-chloro-2-(1-methylheptyl)-	(Cr-1046)	10	1½-2½	2½-6	-	1½-2½	-	1½-2½	-	1	52

1293	92	x-nitro	(Cr-1047)	10	-	0-1	-	0-1	-	0-1	1	51		
1294	92	acetate	(Cr-1048)	10	-	3-5	-	1-3	-	1-3	1	51		
1295	70	2-chloro-4-nitro-	(No code)	3.5	0-2	2-4	-	0-2	-	0-2	-	0-2	1	50
1296	70	3-chloro-4-nitro-	(CP-12364)	1	-	-	-	-	-	-	-	-	1	53
				2.5	-	-	-	-	-	-	-	-	1	50
				10	-	0-2	-	0-2	-	0-2	-	-	3	
1297	35	4-chloro-2-nitro-	(No code)	5	6-8	10-17	0-1½	1½-4	0-1½	1½-4	0-1½	1½-4	1	50
1298	70	5-chloro-2-nitro-	(CP-12363)	1	-	-	0-3½	-	-	0-3½	-	-	1	53
				10	-	0-2½	-	0-2½	-	0-2½	-	-	3	
1299	35	4- and 6-chloro-2-phenyl- ("DOWICIDE 31")	(No code)	10	-	-	-	-	-	-	-	-	1	51
1300	92	2-chloro-4-(1,1,3,3-tetramethylbutyl)-	(Cr-1049)	10	0-1	-	-	0-1	-	0-1	-	-	1	51
1301	35	2-cyclohexyl-x,x-dinitro (IN Dry Mix No. 1")	(No code)	10	-	0-1	-	0-1	-	0-1	-	-	1	52
1302	115	2-cyclohexyl-4,6-dinitro-	(O-157-d)	10	-	0-1	-	0-1	-	0-1	-	-	1	50
1303	71	4-cyclohexyl-2,6-dinitro-	(No code)	1	-	0-1	-	0-1	-	0-1	-	-	1	52
				10	0-½	½-1½	-	0-½	0-½	½-1½	-	-	3	
1304	92	acetate	(Cr-428)	10	0-1	3½-4½	-	0-1	-	0-1	-	-	1	50
1305	32	Phenol, <u>o</u> -cyclopentenyl-	(No code)	10	-	0-2	-	0-2	-	0-2	-	-	1	48
1306	32	<u>p</u> -cyclopentenyl-	(No code)	10	0-1	1-2½	0-1	2½-6	-	0-1	-	-	1	52
1307	35	2,6-dibromo-4-nitro-	(No code)	5	-	-	-	-	-	-	-	-	1	50
				10	-	-	-	-	-	-	-	-	3	
1308	71	2,4-dichloro-	(400,294)	10	0-1	1-3	-	0-1	-	0-1	-	-	1	51
1309	60	2,5-dichloro-	(QWD)	1	4-8	-	1-4	4-8	1-4	8-12	-	-	1	53
				8	-	0-2	-	0-2	-	0-2	-	0-2	1	50
	73		(79-13-F)	1	-	-	-	-	-	-	-	-	1	50
				10	0-½	½-1	-	0-½	-	0-½	-	-	3	
1310	35	3,4-dichloro-	(No code)	5	0-1½	1½-4	0-1½	1½-4	0-1½	1½-4	0-1½	1½-4	1	50
1311	60	2,5-dichloro-4-nitro-	(UWD)	2.5	-	2-4	-	0-2	-	2-4	-	-	1	50

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. F	
				E	D	E	D	E	D	E	D			
1312	35	4,5-dichloro-2-nitro-	(No code)	1	0-1	4-8	-	0-1	0-1	1-4		1	52	
				10	0-1½	3½-8½	0-½	½-1½	0-½	½-1½		1		
				10	0-½	½-2			0-½	½-2	-	0-½	1	51
1313	71	2(?), 6(?)-dichloro-4-nonyl-	(403,288)	10	-	-	-	-	-		1	52		
1314	71	x,x-dihexyl-; mixture of hexyl isomers	(106,377)	10	2-4	-	-	2-4	-	-		1	49	
				10	2-6	-	-	-	-			1	48	
1315	38	2,4-dinitro-	(102)	5	-	-						2	53	
				10	-	2½-6½			-	2½-6½	-	2½-6½	1	50
				10	-	6-18			-	6-18	-	1-4	4	48
				10	-	2-5							2	68
				59	(Lot 286)	10	0-2	2-3	-	1-2	-	0-1		1
1316	5	Phenol 2,5-dinitro-	(No code)	10	0-1	2-6½			-	0-1	-	0-1	1	50
				10	-	5-16							2	66
				10	-	13-14	-	2-2½	-	2-2½			4	50
1317	2	2,6-dinitro-	(D-19,880 BB)	10	-	-						2	66	
				10	6½-18	-			-	6½-18	-	-	1	50
				15	-	-							4	53
1318	73	p-(2,4-dinitroaniline)	(Bio-3384)	1	-	-	-	-	-	-		1	53	
				10	-	0-1	-	0-1					3	
				10	2-4	4-7			2-4	4-7	-	2-4	1	50
1319	73	2,6-dinitro-4-chloro-	(Bio-3333)	10	-	8-11	-	2-4	-	2-4	-	2-4	1	50
				10	-	4-7	2-3	4-7	-	4-7			3	
1320	92	2,4-dinitro-6-hexyl	(Cr-426)	10	-	0-1	-	0-1	-	0-1		1	50	
1321	92	2,6-dinitro-4-hexyl-; sodium derivative	(Cr-425)	10	-	0-2	-	0-2	-	0-2		1	54	
1322	92	x,x-dinitro-x-(1-methylheptyl)-; crotonate	(Cr-1639)	10	-	0-1	-	0-1	-	0-1		1	50	

1323	35	2,4-dinitro-6-phenyl-	(No code)	10	-	0-1	-	0-1	-	0-1	1	50		
				10	-	0-1	-	0-1	-	0-1	1	50		
1324	92	2,6-dinitro-4-(1,1,3,3-tetramethylbutyl)-; copper (11) derivative	(Cr-999)	10	-	0-1	-	0-1	-	0-1	1	50		
1325	92	2,6-dinitro-4-(1,1,3,3-tetramethylbutyl)-; sodium salt	(Cr-346)	10	0-1	1-3½	0-1	1-3½	0-1	1-3½	1	48		
1326	56	2-fluoro-4-nitro-	(No code)	10	-	-	-	-	-	-	3			
1327	73	Phenol, <u>o</u> -iodo-	(Bio-3386)	2.5	-	-	-	-	-	-	17-18	-	1	50
				10	-	0-1	-	0-1	-	-			3	
1328	52	3-isopropyl-	(No code)	10	-	0-3	-	0-3	-	0-3	1	50		
1329	52	4-isopropyl-	(No code)	10	-	0-1	-	0-1	-	0-1	1	51		
1330	68	N-lauryl <u>p</u> -amino- ("SUCONOX 12") tech.	(Lot 163)	10	-	-	11-16	-	-	5-10	1	52		
1331	71	x-(10-methylhendecyl)-	(101,092)	10	-	-	-	10-12	-	10-12	1	50		
1332	92	4(?)-(1-methylheptyl)-; <u>tert</u> , phosphite ester	(Cr-626)	10	0-1	1-3	0-1	1-3	0-1	1-3	1	51		
1333	92	2-(1-methylheptyl)-x-nitro-; acetate	(Cr-1005)	10	-	0-1	-	0-1	-	0-1	1	52		
1334	71	4-(2-naphthlamino)-	(500,147)	10	0-1½	9½-14	-	0-1½	0-1½	1½-3½	1	51		
1335	38	<u>m</u> -nitro-	(1340)	10	-	-	0-3	19-22	0-3	16-19	1	53		
1336	58	<u>o</u> -nitro-	(Lot 8937)	10	-	-	-	-	-	-	2	53		
1337	38	<u>p</u> -nitro-	(192)	5	-	-	-	-	-	-	4	53		
				10	-	2-14	-	-	2-14	-	0-2	4	50	
				10	-	3-16	-	-	-	-	2	53		
	2		(No code)	10	-	0-3	0-1	1-3	0-1	1-3	1	53		
1338	71	2-nitro-4-phenylazo-	(508,472)	10	0-1	1-3	-	-	-	0-1	1	51		
1339	71	4-(4-nitrophenylazo)-	(508,471)	10	-	2-3	-	0-2	-	0-2	1	51		
1340	92	2-nitro-4-(1,1,3,3-tetramethylbutyl)-; acetate	(Cr-648)	10	-	0-2	-	0-2	-	0-2	1	51		
1341	2	4-nitro-3-trifluoromethyl-	(N-2780)	10	-	-	-	-	-	-	2	69		
1342	68	N-nonane- <u>p</u> -amino ("SUCONOX-9")	(Lot 1)	10	-	-	-	15-19	-	-	1	53		

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F	
				E	D	E	D	E	D	E	D			
1343	71	x-nonyl-	(106,372)	10	-	1-3	0-1	1-3	0-1	1-3		1	51	
1344	58	Phenol, pentachloro	(Lot 25432X)	1	-	0-1	-	0-1	-	0-1		1	52	
				5	-	0-½			-	0-½		4	57	
				5	0-1	1-3							2	57
				10	-	0-1			-	0-1	-	0-1	1	50
				10	0-½	½-1							2	68
1345	35	2-phenyl-; sodium salt ("DOWICIDE A")	(No code)	10	0-1	4½-9	0-1	2½-4½	0-1	8½-13		1	50	
1346	51	Red-D	(No. 180-S)	10	-	-	-	-	-	-		1	49	
1347	68	N-Stearoyl p- amino- ("SUCONOX 18")	(Lot 97)	10	-	-	-	11-15	-	-		1	52	
1348	35	2,3,4,6-tetrachloro- ("DOWICIDE 6")	(No code)	10	-	0-1	-	0-1	-	0-1		1	50	
1349	92	4-(1,1,3,3-tetramethylbutyl)-; sodium derivative	(Cr-880)	10	0-1	2½-4½	0-1	2½-4½	-	0-1		1	52	
1350	92	2,2'-thiobis [4- <u>tert</u> -butyl-	(Cr-370)	10	0-1	1-3	-	0-1	-	0-1		1	51	
				10	1-3	3-5	-	0-1	-	1-3		1	51	
1351	70	2,2'-thiobis [4,6-dichloro- ("ACTAMER")	(CP3438-8)	10	0-1	1-2	0-1	1-2	0-1	1-2		1	52	
1352	73	2,4,6-tribromo-	(Bio-3379)	1	-	0-3½	-	0-3½	-	0-3½		1	53	
				10	-	0-1½	-	0-1½				3		
1353	5	trichloro	(P2913)	1	0-1	2-4	0-1	2-4	0-1	1-2		1	52	
				5	0-½	½-1			-	0-½		4	57	
				5	-	0-1						2	57	
				10	-	0-1			-	0-1	-	0-1	1	50
10	0-½	½-1							2	68				
1354	35	Phenol, 2,4,5-trichloro- ("DOWICIDE 2")	(No code)	10	-	0-1	-	0-1	-	0-1		1	51	
1355	35	2,4,6-trichloro- ("DOWICIDE 2S")	(No code)	10	0-1	1-3	-	0-1	-	0-1		1	51	
				10	0-1	1-2½	0-1	1-2½	-	0-1		1	52	

1356	35	2,5,6-trichloro-4-nitro-	(No code)	10	-	-	-	2-4	-	2-4	-	1	52	
1357	35	3,4,6-trichloro-2-nitro-	(No code)	10	-	-	-	-	-	-	-	3		
1358	35	2,4,x-trichloro-6-phenyl-	(No code)	2	-	-	-	-	-	-	-	1	53	
1359	73	2,4,6-triiodo-	(Bio-3385)	1	-	-	-	-	-	-	-	1	53	
				10	0-½	½-2			0-½	½-2	0-½	½-2	1	51
				10	-	0-1	-	0-1					3	
1360	92	Phenothiazine, 3-thiocyano-	(Cr-297)	10	0-1	2½-4½	0-1	1-2½	0-1	1-2½			1	52
1361	113	N-Phenylacetylvaline	(ID U1263)	10	-	-	-	-	-	-	-		1	51
1362	60	5-Phenylhydantoin, 5-bromo	(21594)	10	-	-	-	-	-	15-16			1	63
1363	60	5-ethylmercapto-	(12359, Lot 021-128-20)	10	-	0-1	-	0-1	0-1	1-3			1	59
1364	73	4-Phenyl phenacyl bromide	(Bio-3352)	1	-	-	-	-	-	-			1	50
				10	0-1	1-2	0-1	1-2	0-1	1-2			3	
1365	58	Phloridzin	(Lot 38395)	10	-	-	-	-	-	-			2	68
1366	91	Phloroglucinol, methyl-; triacetate	(No code)	10	-	-	-	-	-	-			1	49
1367	73	Phosphoric acid; bis(2-butoxyethyl) 2,2-dichlorovinyl ester	(Bio-345)	10	3½-5½	5½-9½	1½-3½	3½-5½	1½-3½	3½-5½			1	53
1368	73	bis(tetrahydrofurfuryl) 2,2-dichlorovinyl ester	(Bio-327)	10	-	-	-	3-7½	-	-			1	52
1369	73	2-carbethoxy-2-chloro-1-methylvinyl diethyl	(Bio-609)	10	-	4-7½	-	2-4	-	1-2			1	52
1370	81	p-chlorobenzene diazonium hexafluoro- ester ("PHOSFLUOROGEN A")	(MA-5-166)	10	-	4½-8½	-	2-3½	-	3½-4½			3	
1371	73	Phosphoric acid; 2,2-dibromoethyl diethyl ester	(Bio-614)	10	-	4-7½	-	2-4	-	1-2			1	52
1372	73	1,2-dichloroethyl diethyl ester	(Bio-633)	2	-	-	-	-	-	-			1	50
				5	½-1½	1½-5½	0-½	1½-5½	0-½	1½-5½			1	59
				10	1-2	2-4	0-1	4-7	4-7	10-14			1	52
1373	73	2,2-dichlorovinyl tetramethylene ester	(Bio-635)	10	-	10-15	-	0-1	-	0-1			1	51
1374	117	O,O, dimethyl 2,2,2, trichloro-1-n-butyl-oxethyl- ester ("BUTONATE") 25% emulsifiable concentrate	(No code)	10	-	-	-	-	-	-			1	50

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
1375	117	<u>O,O</u> , dimethyl 2,2,2, trichloro-1- <u>n</u> -butyryl- oxyethyl- ester ("BURONATE") tech. (No code)	10	-	-	-	3-6	-	-			1	64
1376	71	tris (2,3-dibromopropyl) ester (404,038)	10	-	-	-	-	-	-			1	48
1377	71	tris (<u>o</u> -ethylphenyl) ester (403,307)	10	-	-	-	-	-	-			1	53
1378	70	thiono-; di(2-chloroethyl) <u>p</u> -nitrophenyl ester (CP-868)	10	0-1	2-4	0-1	1-2	0-1	4-7½			1	52
1379	71	Phosphorodithioic acid; <u>O,O</u> -bis(6- <u>tert</u> -butyl- <u>m</u> - tolyl) ester (403,302)	10	0-1	1-2	0-1	1-2	0-1	1-2			1	53
1380	73	Phosphorothioic acid; <u>O,O</u> -diethyl <u>S</u> -(2,2-dichlo- rovinyl) ester (Bio-380)	10	-	1-4	0-1	1-4	0-1	1-4			1	52
1381	58	<u>O,O,O,O'</u> -tetraethyl <u>S,S'</u> methylene bis- ester ("DL-ETHIONINE") (Lot 47020)	10	-	-	-	14-16	-	-			1	53
			10	-	-	-	-	-	-			1	50
			10	-	-	-	-	-	-			1	50
1382	71	Phosphorous acid; tris(2-ethylhexyl) ester (402,956)	10	2½-5	-	-	-	-	-			1	53
1383	92	Phthalic acid; 2-chloroethyl ester, copper (11) salt (Cr-87)	10	-	3½-5½	1½-3½	3½-5½	1½-3½	3½-5½			1	47
1384	83	Phthalic acid; 3,6-endoxohexahydro-; di(<u>N,N</u> - dimethylalkylamine salt 66.7% active, 33.3% inert (TD-47)	10	2½-6½	6½-18	-	-	2½-6½	-	2½-6½		1	50
			10	-	½-1½	-	0-½	-	0-½			3	
1385	83	mono(<u>N,N</u> -dimethylalkylamine salt 53% active, 47% inert (TD-191)	10	-	active,	-	-	-	-			1	50
1386	66	2-Picolinium, 1-(4-amino-2- <u>N</u> -propyl-5-pyrimid- Inylmethyl)-; chloride, hydrochloride (AM- PROL") (63RIS167)	10	-	-	-	-	-	-			1	52
	66	(L582552-2-39)	10	0-8	16-18	0-12	16-18	0-12	12-16			1	52
			10	-	-	-	-	-	-			1	50
1387	71	Pinic acid, dihexyl ester (107,784)	10	-	0-3	-	0-3	-	0-3			1	50
1388	113	Piperidinium, (3-carbamoyl-3,3-diphenylpropyl)- 1,2,6-trimethyl-; bromide (ID-U4064)	10	5-9	-	-	-	-	-			1	58

				12	-	-	-	-	-	-	1	51
				15	5-7	-	-	-	-	-	1	51
				20	-	11-15	-	7-11	-	7-11	1	53
1389	71	Podophyllin	(Y00,025)	10	-	-	-	5½-7½	-	5½-7½	1	52
1390	92	Polyether alcohols, <u>tert</u> -alkyl amino- 43")	(PRIMINOX (No code)	2.5	-	-	-	-	-	-	1	50
1391	117	Polymeric compound, long chain cationic ("VANZAK RA")	(No code)	10	-	4-6	-	-	0-2½	2½-4	-	9-20 3
1392	123	Polyoxyethylene glycol; mol. wt. 396, x-dodecyl- benzyl mono ether	(0-4145)	10	-	-	-	-	-	-	1	52
1393	123	Polyoxypropylene glycol; mol. wt. 900, mono-N- propyl ether	(0-3164)	10	-	-	-	-	-	-	1	48
1394	92	Polysulfide, di(butylcarbityl)-	(SM-482)	10	-	-	-	8½-13	1-2½	8½-13	1	50
1395	36	Pontamine Pink 2B	(No code)	10	-	-	-	-	-	-	1	50
1396	36	Pontamine Scarlet 6BX	(No code)	10	17-19	-	-	-	-	-	1	52
				15	-	-	-	-	-	-	1	50
1397	58	Porphyrexide	(Lot 33612F)	10	-	-	-	-	-	-	2	68
1398	38	Potassium azide	(8427)	5	-	-	-	-	-	-	4	57
				10	-	2-14	-	-	0-2	2-14	-	0-2 4
				10	-	14-22	-	-	-	-	2	68
1399	11	Potassium cyanide	(3080)	10	-	-	-	-	-	-	2	68
1400	11	Potassium ferricyanide	(3104)	10	-	-	-	-	-	-	1	52
				10	-	-	-	-	-	-	2	68
1401	11	Potassium ferriocyanide	(3114, Lot 281 75)	10	-	-	-	-	-	-	2	68
1402	81	Potassium fluorosulfinate	(D-1-118)	10	-	-	-	-	-	14-19	1	72
1403	81	Potassium tetrafluoroarsenite	(MA-3-112)	5	-	-	-	12-17	-	-	1	52
				10	-	-	-	-	-	-	1	58
				10	-	-	-	17-19	-	19-23	1	52
1404	42	Potassium xanthogenate	(Lot 710813)	10	-	-	-	-	-	-	2	66

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
			10	-	7-11	-	11-15	-	7-11			1	53
1405	5	Procaine hydrochloride (No code)	10	-	-							2	68
1406	58	Propranolamine (Lot 15062L)	10	-	-							2	53
1407	60	1-Propranol-2-amino- (Lot 10-A1-134E)	10	-	-	-	-	-	-			1	64
1408	60	Propane, 1-amino-1-phenyl-3-piperisino- (16946, Lot 216-182-136)	10	-	3½-7½	-	7½-13	-	3½-7½			1	65
1409	60	Propane, 1,3-dihydroxy-2-methyl-2-phenyl- (06470, Lot: Rohrmann)	10	-	0-1	-	0-1	-	0-1			1	59
1410	60	1-Propane, 1-(3,4-dimethoxyphenyl)-2-nitro- (ID 1320, Lot 776932)	10	-	0-2							1	53
			10	0-½	3-6	0-½	3-6	0-½	3-6			3	
1411	115	Propane, 2-fluoro-1,1,1,2,3,3,3-heptachloro- (0-7030-a)	10	0-1	3-5	0-1	1-3	-	0-1			1	51
1412	8	1,3-Propanediamine, N-n-coco- ("DUOMEEN C") (No code)	5	-	11-15	-	1-3	-	1-3			1	52
			5	-	1-3	-	1-3	-	1-3			1	51
			10	-	1-2	-	2-4	-	2-4			1	52
			10	-	0-1	-	0-1	-	0-1			1	51
1413	92	N,N'-dialkyl-2-hydroxy- (SM-531)	10	-	0-2	-	0-2	-	0-2			1	51
1414	8	N,n-dodecyl- ("DUOMEEN 12") (No code)	10	-	1-2	-	1-2	-	1-2			1	52
			10	0-1	1-2	-	1-2	-	0-1			1	52
1415	2	1,3-Propanediol, D-(-)-threo-2-dichloroacetamido-1-p-nitrophenyl- ("CHLORAMPHENICOL") (D5450)	10	-	-							2	67
			10	-	-	-	-	-	-			1	52
1416	71	2-Propranol, 1-(p-cyclohexylphenoxy)- (106,394)	10	1-2	8-12	-	-	1-2	12-16			1	52
1417	58	Propranol, 2,3-dimercapto- (Lot 34241F)	10	-	6½-11	-	6½-11	-	6½-11			1	54
			10	-	-							2	69
1418	32	2-Propene-1-ol, 2-chloro- (No code)	10	-	21-23	21-23	23-26	21-23	23-26			1	49
1419	58	β-propiolactone (Lot 37609FL)	10	-	-							4	60

1420	116	γ -Propiolactone modified rosin	(No code)	10	12-16	-	12-16	18-20	4-8	8-12	1	53
1421	92	Propionic acid; 3-chloro-4-(1,1-dimethylpropyl) phenyl ester	(SM-175)	10	-	0-1	-	0-1	-	0-1	1	51
1422	113	1,3-dioxo-2-isoindoline	(ID U1865)	10	-	-	-	-	-	-	1	50
1423	123	Propionitrile, 2-(dimethyl-4-morpholine)	(W-47, Lot 0-15080)	10	0-1	1-2	-	0-1	0-1	1-2	1	52
1424	60	Propiophenone	(ID 1337, Lot 10-A1-134C)	10	-	-	-	-	-	-	1	58
1425	71	Propiophenone, 2,3-dibromo-3-phenyl-	(400,125)	10	-	-	-	9-13	-	-	1	53
1426	104	4'-hydroxy- (pure)	(No code)	10	0-3	-	-	-	-	-	1	49
				15	2½-4½	-	6½-8½	8½-13	13-17	-	1	51
1427	60	p-methoxy	(ID 1328, Lot 10-A1-135A)	10	-	-	-	-	-	-	1	58
1428	60	2-methyl-3-dimethylamino-; hydrochloride	(ID 1331, Lot 10-A1-134B)	10	-	-	-	-	-	-	1	49
1429	60	2-methyl-3-pyrrolidino	(22701, Lot 216-182-98)	10	-	-	-	-	-	-	1	50
1430	60	3-piperidino-; hydrochloride	(ID 1335, Lot 766541-A)	10	-	-	-	10-14	-	14-18	3	
1431	60	3-pyrrolidino-; hydrochloride	(ID 1338, Lot 790398)	10	-	14-18	-	6-10	-	6-10	3	
1432	71	Propyl thiopyrophosphate, tetra-	(400,729)	10	-	-	-	-	-	-	1	53
1433	92	1-Propyne, 3-dimethylamino-4-methyl-	(Q-298)	10	-	-	-	-	-	-	1	52
1434	92	Protocatechuic acid	(SM-146)	10	-	-	-	-	-	-	1	52
1435	92	Pseudothiuronium compounds; S-(3,4-dichloro-benzyl)----chloride	(Lo-76)	10	8½-14	-	1½-3½	5½-7½	1½-3½	½-14	1	52
1436	92	Pseudourea, 2-allyl-2-thio-; hydrochloride	(Lo-42)	10	-	-	-	-	-	-	1	53
1437	71	Pseudourea, 2-benzyl-2-thio-; monohydrochloride	(800,131-10)	10	-	0-3	-	3-7	-	7-11	1	52
1438	92	thiocyanate	(Cr-906)	10	-	-	-	-	13-17	-	1	53
1439	71	2-decyl-2-thio-; hydriodide	(801,021-13)	10	-	2½-6	-	0-1	-	1-2½	1	52
1440	71	hydrobromide	(801,021-12)	10	2-4	4-6	-	0-1	-	0-1	1	51
1441	71	hydrochloride	(801,021-10)	10	-	0-1	-	0-1	-	0-1	1	50
1442	71	1,3-diethyl-2-dodecyl-2-thio-; hydrobromide	(803,826-12)	10	-	0-1	-	0-1	-	0-1	1	50

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead	Water	Temp. °F.
				E	D	E	D	E	D			
1443	71	1,3-diethyl-2-hexadecyl-2-thio-; hydrobromide (803,832-12)	10	-	4-6	-	2-4	0-1	1-2		1	52
1444	71	hydrochloride (803,832-10)	10	-	1-2½	-	0-1	-	0-1		1	50
1445	71	1,3-dimethyl-2-dodecyl-2-thio-; hydrobromide (803,823-12)	10	-	0-1	-	0-1	-	0-1		1	50
1446	71	1,3-dimethyl-2-hexadecyl-2-thio-; hydriodide (803,831-13)	10	-	1-3	-	0-1	-	0-1		1	51
1447	71	hydrobromide (803,831-12)	10	0-1	1-2½	-	0-1	-	0-1		1	58
1448	71	hydrochloride (803,831-10)	10	-	-	4-6	8-12				1	49
1449	113	7-Pteridinediol, 2-mercapto-G-methyl-4 (ID U18970)	10	-	1-3	-	1-3	-	1-3		1	60
1450	89	Pyran, dihydro- (No code)	10	-	-	-	-	-	-		1	50
1451	71	4H-Pyran-3,5-dicarboxylic acid, 2,6-dimethyl-4-oxo-; diethyl ester (105,980)	10	-	-	-	-	-	-		1	53
1452	45	2H-Pyran-2-one, 4-dimethylcarbamoy-6-methyl- (No code)	10	-	-	-	-	-	-		1	52
1453	71	4H-Pyran-4-one, 5-hydroxy-2-(hydroxymethyl)- (100,288)	10	-	-	-	-	-	-		1	52
1454	92	Pyrane, 2-(tert-butoxyethoxy)-tetrahydro- (SM-276)	10	-	-	-	-	-	-		1	52
1455	92	2-furfuryloxy-tetrahydro- (SM-194)	10	-	-	-	-	-	-		1	52
1456	92	2-tetrahydrofurfuryloxy-tetrahydro- (SM-221)	10	-	-	-	-	-	-		1	53
1457	123	Pyrazine, 3-chloro-2,5-dimethyl- (W-7, Lot 9-15730)	10	-	-	-	-	-	-		1	52
1458	123	x,x-difluorophenacyl- (W-73, Lot Cr-8363J)	10	-	-	-	-	-	-		1	52
1459	123	2-(n-phenylamino)-3-methyl- (W-45, Lot Cr-8361)	10	-	-	-	-	-	-		1	52
1460	123	2-(n-phenyl-N-methylamino)-3-methyl- (W-72, Lot Cr-8375, G-11-3)	10	20-24	-	8½-12	-	20-24	-		1	52
1461	60	Pyrazole, 3-methyl- (14859, Lot 217-190-12)	10	-	0-1	-	0-1	-	0-1		1	59
1462	45	5-Pyrazolol, 3-methyl-; ester with di(O-ethyl thiophosphoric acid) (No code)	10	-	-	-	-	-	-		1	48
1463	45	ester with diethylphosphoric acid (No code)	10	-	-	6-10	-	-	-		1	52

1465	92	4,4'-methylenebis [1-phenyl-3-methyl-	(D17780)	10	-	0-3	-	0-3	-	0-3	-	-	1	52
1466	71	Pyrene	(000,436)	10	-	-	5-9	9-13	-	13-17	-	-	1	53
1467	58	3,4-benzo-	(Lot 33925)	10	-	-	-	-	-	-	-	-	1	50
				10	-	-	-	-	-	-	-	-	1	66
1468	58	Pyridine, 3-acety-	(Lot 37560L)	5	-	-	-	-	-	-	-	-	2	57
				10	-	-	-	-	-	-	-	-	4	50
				10	-	-	-	-	-	-	-	-	1	50
				10	4½-9½	9½-18	-	-	-	-	-	-	2	69
1469	38	Pyridine, [9(or 10)-azaanthracene, dibenzo [b, e]- ("ACRIDINE")]	(2554)	1	-	-	1-3½	-	3½-7½	-	-	-	1	51
				1	22-24	-	-	-	-	0-5	19-22	-	1	52
				2	0-½	½-5	-	-	-	-	-	-	4	57
				4	-	-	-	-	-	-	0-4	-	1	52
				5	0-1	1-3	-	-	1-3	-	-	-	2	57
				5	0-1	-	-	-	0-1	1-4	-	0-1	4	50
				6	-	0-4	-	-	-	0-4	-	0-4	1	52
				8	-	0-1½	-	-	-	0-1½	-	0-1½	1	53
				10	-	0-½	-	-	-	-	-	-	2	64
				12	-	0-1½	-	-	-	0-1½	-	0-1½	1	53
1470	92	2-(2-diallylaminoethyl)-	(V-225)	10	-	-	-	-	-	-	-	-	1	52
1471	73	2,6-diamino-	(Bio-3360)	10	0-2	4-7	0-2	2-3	0-2	4-7	-	-	3	
1472	71	2,6-distyryl-	(800,440)	10	-	-	-	-	-	-	-	-	1	53
1473	71	5-nitro-2,2'-oxydi-	(507,510)	10	-	-	-	-	-	-	-	-	1	53
1474	91	3-[5-(3-nitro) pyrazyl]-	(No code)	10	-	-	-	-	-	-	-	-	1	53
1475	37	2-styryl-	(K 984-101)	10	0-1	13-15	0-1	3-7	0-1	3-7	-	-	1	64
1476	117	2-Pyridinethiol-1-oxide-; sodium salt ("VANCIDE NP")]	(No code)	10	-	5½-17	-	-	-	5½-17	-	5½-17	3	59

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
			10	-	19-22	-	19-22	-	19-22			1	69
1477	92	Pyridinium compounds; 1-allyl----diisopropylbenzenesulfonate (Cr-1608)	10	-	0-3	-	0-3	-	3-7			1	52
1478	123	dodecylbenzyl----chloride (0-3795)	10	0-1	1-2½	-	0-1	-	0-1			1	52
1479	123	Pyridinium compounds; kerylbenzyl----chloride (0-1308)	10	-	-	-	4½-6½	-	-			1	51
1480	123	tri-isopropylbenzyl----chloride (0-3713)	10	-	-	-	-	-	-			1	52
1481	71	4-Pyridinol, 3-nitro- (508,904)	10	-	-	-	-	-	-			1	53
1482	58	Pyridoxine HCL (Lot 17192)	10	-	-	-	-	-	-			2	69
1483	73	Pyrimidine, 2-amino- (Bio-3358)	10	-	-	-	-	-	-			1	50
1484	71	1-butyl-2-hendecyl-1,4,5,6-tetrahydro- (800,006)	10	-	-	-	-	-	-			1	52
1485	71	2-chloro-4-dimethylamino-6-methyl- (800,489)	10	-	0-3	-	0-3	-	0-3			1	52
1486	117	2-thio-4,4,6-trimethyltetrahydro- ("THIATE A") (No code)	10	-	-	-	-	-	-	-	-	3	50
1487	58	2,4,5-triamino-6-hydroxy-; sulfate (Lot 35209L)	10	-	-	-	-	-	-	-	-	2	69
			10	-	-	-	-	-	-	-	-	1	50
			15	-	-	-	-	-	-	-	-	4	53
1488	71	5H-1-Pyridin-2-ol, 4-acetamido-6,7-dihydro-; acetate (508,474)	10	-	-	-	-	2-6	-			1	52
1489	71	4-amino-3-bromo-6,7-dihydro- (905,099)	10	-	-	-	-	-	-			1	52
1490	71	4-p-toluenesulfonamido-6,7-dihydro- (905,115)	10	-	-	-	-	-	-			1	53
1491	92	γ-Pyrone, 2,6-dimethyl- (SM-133)	10	-	-	-	-	-	-			1	52
1492	58	Pyronin Y (Lot 40517)	5	-	-	-	-	-	-			2	57
			10	-	1-6½	-	-	11-18	18-21	-	11-18	1	50
			10	-	1-14	-	-	-	14-18	-	1-13	4	50
			10	-	2-6	-	-	-	-	-	-	2	69
1493	92	Pyrophosphoramidate; N,N, N', N'', N''', N''''-octamethyl (Lo-302)	10	-	-	-	-	-	-			1	52

1494	70	Pyrophosphoric acid; <u>unsym.</u> dibutyl diethyl ester	(CP-852)	10	-	-	-	-	-	-	-	1	51
1495	70	<u>sym.</u> diurea	(CP-1037)	10	-	-	-	-	-	-	-	1	50
1496	70	ethyl tributyl ester	(CP-829)	10	-	-	-	-	-	-	-	1	51
1497	70	tetrabutyl ester	(CP-809)	10	-	-	-	-	-	-	-	1	51
1498	21	tetraethyl ester (40% active)	(No code)	10	-	-	-	-	-	-	-	1	51
1499	70	tetralead salt and dilead salt	(CP-955)	10	-	-	6-10	-	-	-	-	1	52
1500	70	dithiono-; tetraethyl ester	(CP-1055)	10	-	-	-	-	-	-	-	1	51
1501	70	monoseleno-; tetraethyl ester	(CP-2634)	10	-	-	-	-	-	-	-	1	51
1502	70	monothiono-; tetrabutyl ester	(CP-4119)	10	-	-	-	17-21	-	-	6-8½	1	52
1503	70	tetraethyl ester	(CP-847)	10	-	-	-	-	-	-	-	1	52
1504	70	thiono-; tetraethyl ester	(CP-2323)	10	-	-	-	-	-	-	-	1	51
1505	70	tetrapropyl ester	(CP-1048)	10	-	-	-	-	-	-	-	1	52
1506	71	Pyrrole, 5,5'-dithiobis [1-methyl-2-(3-pyridyl)]	(800,437)	10	2½-4½	4½-8½	1-2½	2½-4½	1-2½	2½-4½	-	1	52
1507	92	N-(4-thiocyano)-	(Cr-849)	10	0-1	1-2	-	0-1	-	0-1	-	1	52
1508	71	2-Pyrrolicarboxylic acid, 4-acetyl-3,5-dimethyl-; ethyl ester	(508,467)	10	-	-	-	-	-	-	-	1	51
1509	71	3-Pyrrolicarboxylic acid, 5,5',-5"-methylidynetris (2,4-dimethyl); triethyl ester	(510,360)	10	-	-	-	-	-	-	14 ^A	1	52
				10	-	3-7	-	0-3	-	0-3	-	1	52
1510	71	2,4-Pyrroledicarboxylic acid, 3,5-dimethyl-; diethyl ester	(500,427)	10	0-1	-	7-11	-	11-15	-	-	1	49
1511	71	5,5'-methylenebis(3-methyl)-; tetraethyl ester	(510,357)	10	-	-	-	-	-	-	-	1	53
1512	71	Pyrrolidinium compounds; 1-benzyl-1-methyl-2-(3-pyridyl)----thiocyanate	(800,468-A1)	10	13-17	-	-	-	-	-	-	1	53
				15	-	-	-	-	-	-	-	1	50
1513	71	1-[2(2-butoxy-ethoxy) ethyl]----p-toluene-sulfonate	(9K0,026)	10	-	-	-	-	-	-	-	1	52

^A Died at 14 hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
1514	71	1-butyl-1-methyl-2-(3-pyridyl)----bromide (800,460-12)	10	-	-	-	-	-	-			1	52
1515	71	1-(3,4-dichlorobenzyl)-1-methyl-2-(3-pyridyl) (800,463-10)	10	-	-	-	-	-	-			1	53
1516	71	1,1-dimethyl-2-(3-pyridyl)----bromide (800,453-12)	10	-	-	-	-	-	-			1	53
1517	71	1-dodecyl-1-methyl-2-(3-pyridyl)----chloride (800,479-10)	4	-	-	-	-	5-10	-			1	51
			5	-	-	-	-	17-19	19-21			1	51
			10	-	0-2	0-2	2-6	0-2	2-6			1	50
1518	71	1-dodecyl-1-methyl-2-(3-pyridyl)----oleate (5K0,040)	10	-	0-3	-	0-3	-	0-3			1	52
1519	71	p-toluenesulfonate (9K0,017)	10	-	-	-	-	-	-			1	53
1520	71	1,1'-ethylenebis-1-methyl-2-(3-pyridyl)----bromide (800,477-12)	10	-	-	-	-	-	-			1	53
1521	71	1-hexadecyl-1-methyl-2-(3-pyridyl)----bromide (800,485-12)	10	0-1	1-3	-	0-1	-	0-1			1	51
1522	71	thiocyanate (800,485-A1)	6	-	1-3	-	0-1	-	0-1			1	51
1523	71	p-toluenesulfonate (9K0,013)	10	-	1-3	-	0-1	-	0-1			1	51
1524	71	Pyrrolidinium compounds; 1-methyl-1-octyl-2-(3-pyridyl)----iodide (800,469-13)	10	-	-	-	-	-	-			1	52
1525	109	2-Pyrrolidone, N-(nitro-2-furfurylidene)-1-amino- (NF-248)	10	-	-	12-16	16-20	-	9-12			3	
1526	38	Quercetin (P1635)	10	-	-	-	-	-	-			1	52
			10	-	-	-	-	-	-			2	69
1527	71	Quinaldine (800,053)	10	-	-	-	-	-	-			1	48
	58	(Lot 29882L)	10	0-½	-							2	68
			10	0-½	-			0-2	-	0-½	2-14	4	50
			15	0-½	9-20			0-½	9-20	0-½	4-6	3	59
			15	0-1	3-16							2	53

1528	92	picrat	(Cr-1119)	10	-	-	-	-	-	-	1	53
1529	71	Q - (p-dimethylaminobenzylidene)-	(801,465)	10	-	-	-	-	-	-	1	52
1530	71	Quinazoline, 6,7-dimethoxy-	(510,555)	10	-	-	-	-	-	-	1	52
1531	71	4-Quinazolinol, 2-methyl-	(501,792)	10	-	0-1	-	0-1	-	0-1	1	50
				10	-	-	13-17	-	9-13	13-17	1	53
1532	71	Quinhydrone	(1K0,000)	9	-	½-¾	-	0-½	0-½	½-¾	1	50
1533	92	Quinizarin	(Cr-720)	10	-	-	-	-	-	-	1	52
1534	71	Quinoline	(800,045)	10	10-14	-	0-2	-	0-2	-	1	52
1535	71	5-amino-	(803,318)	10	-	-	-	-	-	-	1	52
1536	71	7-chloro-4-(4-diethylamino-1-methylbutyl- amino)-; diphosphate	(800,227-18)	10	-	0-3	-	0-3	-	3-7	1	52
1537	71	Quinoline, 8-chloro-5-nitro-	(900,044)	10	0-1	6-8	0-1	1-2	0-1	4-6	1	52
1538	71	4,7-dichloro-	(800,039)	10	0-2	-	-	-	-	-	1	52
1539	71	4,7-dichloro-2-phenyl-	(800,072)	10	-	-	7-11	-	-	-	1	49
1540	11	8-hydroxy-	(2198)	10	-	-	-	-	-	-	2	68
				10	1-2½	-	-	-	18-21	21-24	-	21-24
				15	0-1	-	-	-	-	-	2	53
1541	71	3-Quinolinecarboxylic acid, 4-hydroxy-7-nitro-; ethyl ester	(507,210)	10	-	-	-	-	-	-	1	53
1542	78	Quinolinium compounds; alkyl methyl isoquino- linium chloride (50% active) ("AMMONYX-781") (No code)		10	-	8-12	-	2-4	2-4	4-8	1	52
1543	71	1-ethyl----iodide	(800,061-13)	10	-	-	-	-	-	-	1	52
1544	71	1-methyl----iodide	(800,054-13)	10	-	-	-	-	-	-	1	52
1545	71	8-Quinololinol, 5-benzyl-	(500,043)	10	2-5	-	2-5	5-9	2-5	9-13	1	53
1546	71	5-chloro-7-iodo-	(900,178)	10	-	-	2-4	4-6	2-4	8-12	1	52
1547	71	5,7-diiodo-	(900,127)	10	-	-	-	-	-	-	1	53
1548	92	Resorcinol, acetate laurate	(SM-191)	10	-	-	-	8-12	-	-	1	51
1549	59	4-chloro-	(Lot 5332)	10	0-1	21-23	1-2	13-17	1-2	7-9	1	50

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water Temp. °F
				E	D	E	D	E	D	E	D	
1550	45	dihydrodimethyl-; dimethylcarbamate	(No code) 10	-	-	-	-	-	-			1 51
1551	91	Resorcinol, x-methyl-5-amino- (Methyl phloramine)	(No code) 10	-	-	-	-	-	-			1 50
1552	85	tetrachloro- (crude)	(NF-1348) 10	0-1½	1½-3½	-	0-1½	-	0-1½			1 51
1553	71	2,4,6-tribromo-	(403,141) 10	0-2	6-10	0-2	2-6	-	0-2			1 52
1554	71	Rhodamine 6 GDN	(500,616-10) 10	-	5-9	-	5-9	-	9-13			1 53
1555	92	Rhodanine, x-benzylidene-	(Lo-63) 10	0-1	1-2	-	0-1	-	0-1			1 52
1556	92	5-cinnamylidene-	(Lo-642) 10	-	6-8	-	4-6	-	4-6			1 51
1557	92	5-isobutylidene-	(Lo-497) 10	0-1	4-6	0-1	1-2	0-1	4-6			1 51
1558	92	5-(1,1,3,3-tetramethylbutylaminomethylene)-	(Lo-635) 10	-	-	-	-	-	-			1 52
			10	-	-	-	8-12	-	4-8			1 51
1559	71	Ricinoleic acid	(100,360) 10	-	0-3	-	0-3	-	0-3			1 52
1560	71	barium salt	(100,360-52) 10	-	-	-	9-13	13-17	-			1 53
1561	71	butyl ester	(107,790) 10	-	-	-	-	-	-			1 53
1562	71	2-methoxyethyl ester	(107,789) 10	-	0-3	-	0-3	-	0-3			1 52
1563	5	sodium salt	(No code) 10	-	-	0-3	-	-	7-11			1 52
			10	-	-	-	-	-	-			2 66
	71		(100,360-65) 5	-	-	-	-	-	-			1 50
			10	5-9	13-17	-	13-17	5-9	9-13			1 53
1564	52	Rosin amine D, pentachlorophenate	(No code) 10	0-1	1-2	-	0-1	-	0-1			1 52
1565	92	Rufat-52; 2-chloroethyl ester	(Cr-1121) 10	-	-	-	-	-	-			1 52
1566	58	Rufigallic acid	(Lot 43485) 0.8	-	-	-	-	-	-	-	-	1 50
			10	-	-	-	-	-	-			2 69
1567	15	Safranin light green	(No code) 5	-	-	-	-	-	-			1 53
			10	-	-	0-1	2-4	0-1	5-8			1 50

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. F
				E	D	E	D	E	D	E	D		
1576	13	4'-chloro-3-nitro-	(No code) 10	-	-							2	53
1577	13	4'-chloro-5-nitro-	(54NIS(B)P.10) 5	0-5	5-8½							4	59
			10	-	9-20			-	½-4	-	4-6	3	50
			10	-	0-1							2	64
1578	13	4'-chloro-5-nitro; 3'-chloro-5-nitro; 4'-chloro-3-nitro; and 3'-chloro-3-nitro; mixture ("SALCID")	(No code) 10	-	0-1½	-	0-1½	-	0-1½			1	52
			(Lot 1136) 10	-	0-½	-	0-½	-	0-½			3	
1579	13	4'-fluoro-3-nitro-	(RJS 34NFS(A)P.11) 5	-	0-5							4	60
			10	-	6-9			-	0-1	-	0-1	3	50
			10	-	2-4½							2	63
1580	13	4'-fluoro-5-nitro-	(RJS 54NFS(A)P.19) 10	-	-						2	63	
1581	13	Salicylanilide, 3'-iodo-3-nitro-	(33NIS(B)P7) 1	-	1-2	-	4-8	-	0-1			1	52
			10	-	½-2½			0-½	½-2½	-	½-2½	4	50
			10	-	0-½							2	68
1582	13	4'-iodo-3-nitro-	(54NIS(B)P10) 5	-	0-5							4	57
			10	-	1-2½							2	68
			10	-	2½-14			-	2½-14	-	2½-14	4	50
1583	117	sodium 3,5,3',4'-tetrachloro- (Sodium salt of TCSA)	(F-2831) 10	-	0-½	-	0-½	-	0-½			3	
1584	58	Salicylic acid, p-amino ester sodium salt	(Lot 39329L) 10	-	-	-	-	-	-			1	51
			10	-	-							2	68
1585	92	p-chlorophenyl ester	(Cr-1248) 10	0-1	4-6	0-1	1-2	0-1	2-4			1	52
1586	92	diisopropylbenzyl ester	(SM-202) 10	3-7	7-11	-	0-3	-	3-7			1	52
1587	115	ethyl ester	(O-513-a) 10	-	-	-	-	-	-			1	50
1588	92	2-ethylhexenyl ester	(SM-263) 10	-	-	-	-	-	-			1	50

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. F
				E	D	E	D	E	D	E	D		
1611	5	Sodium azide	(No code)	5	-	-						2	58
				10	0-1	1-4		-	0-1	-	0-1	4	49
				10	-	0-1		-	0-1	-	0-1	1	51
				10	-	12-25						2	69
1612	9	Sodium bi-phenyl sulfonate	(No code)	10	-	-		-	-		1	52	
1613	122	Sodium citrate	(No code)	10	-	-	-	-	-		1	46	
1614	58	Sodium ethyl xanthate	(Lot 31004L)	5	-	-						2	57
				10	-	9-13					2	69	
				10	-	-		-	-	-	-	4	50
				10	-	-	-	-	22-24	-	-	1	52
1615	11	Sodium fluoride	(3688)	10	-	-	-	-	-		1	51	
1616	91	Sodium formaldehydesulfoxylate	(No code)	10	-	-	-	-	-		1	51	
1617	92	Sodium hydrosulfite ("LYKOPON")	(No code)	5	-	-	-	-	-	-	1	50	
1618	58	Sodium maleate	(Lot 36423)	10	-	-						1	68
				10	-	-	-	-	-	-		1	51
1619	39	Sodium methallyl sulfonate	(No code)	10	-	-	-	-	-	7-11	1	52	
1620	9	Sodium β -methyl-naphthalene sulfonate	(No code)	10	-	16-19	-	16-19	-	10-14	1	54	
1621	9	Sodium phenanthrene sulfonate	(No code)	10	21-23	-			21-23	-	1	52	
1622	87	Sodium rimocidin	(No code)	10	-	11-15	-	3-7	-	7-11	1	52	
1623	116	Sodium rosinate 45%	(No code)	10	-	-	0-2	4-8	-	-	1	52	
1624	92	Sodium salt of Cr 978	(Cr-981)	10	-	0-1	-	0-1	-	0-1	1	51	
1625	116	Sodium salt of pine gum 70%, and 30% turpentine	(No code)	10	12-16	-	0-2	2-4	0-2	8-12	1	49	
1626	58	Sodium selenite	(Lot 37499)	10	-	-	-	-	-	-	1	51	
1627	52	Sodium sulfomethyl vinsol	(X11345-20)	10	-	-	-	-	-	-	1	64	

1629	92	Sorbic acid; 2-ethyl-2-hexenyl ester	(SM-242)	10	-	8½-13	-	1-2½	-	1-2½	1	52
1630	92	<u>δ</u> -Sorbitol; 1,2,6-triester with crude tridecanoic acid	(Cr-923)	10	-	-	-	-	-	-	1	50
1631	71	Stearamide, <u>N</u> -(hydroxy-methyl)	(508,072)	10	-	-	-	-	-	-	1	46
1632	71	<u>N,N'</u> - <u>m</u> -phenyl enebis	(508,084)	10	-	-	-	-	18-20	-	1	52
1633	92	<u>N</u> -thiocyanomethyl-	(Cr-807)	10	-	-	-	-	-	-	1	52
1634	71	Stearanilide, <u>p</u> -amino-	(507,413)	10	-	-	-	-	-	-	1	46
1635	71	Stearic acid, <u>γ</u> -hydroxy-methyl ester	(107,782)	10	-	-	-	-	-	-	1	52
1636	92	4-methylcyclopentanone-2-yl ester	(SM-41)	10	-	-	-	-	-	-	1	51
1637	92	2-thiocyanoethyl ester	(He-485)	10	-	-	-	-	-	-	1	50
1638	92	Stilbene	(H-124)	10	-	-	-	-	-	-	1	50
1639	60	trans 4,4'-dihydroxy- <u>α</u> , <u>β</u> -diethyl-(diethyl-stilbestrol)	(ID 1005, Lot 787901)	10	0-½	½-6	0-½	½-6	-	0-½	3	
1640	71	2,4-dinitro-	(502,706)	10	-	0-3	-	0-3	-	0-3	1	52
1641	91	2,4,6-trinitro-	(No code)	10	-	-	0-2	2-3	-	0-2	1	51
1642	39	trinitro chloro-	(No code)	10	-	-	1-3	3-7	1-3	11-15	1	52
1643	91	x,x-Stilbenedicarboxamide, <u>N,N'</u> diallyl-	(No code)	10	-	-	-	-	-	-	1	51
1644	91	x,x-Stilbenedisulfonic acid, tetrazo-	(No code)	10	-	0-1	-	0-1	-	0-1	1	51
1645	47	Strobane technical grade	(No code)	10	2-3	4-7	-	1-2	1-2	2-3	3	
				10	2-4	8-12				1-2	1	52
1646	47	Strobane 50% wettable powder	(No code)	10	1-5	5-8	-	5-8	-	5-8	5	
1647	92	Styrene, 4-chloro- <u>β</u> -nitro-	(ER-25)	10	0-1	1-2				0-1	1	52
1648	53	2,4-dichloro- <u>β</u> -nitro-	(575)	10	-	0-1	-	0-1	-	0-1	1	51
1649		2,4-dimethoxy- <u>β</u> -nitro-	(No code)	10	-	0-1	-	0-1	-	0-1	1	52
1650	71	<u>α</u> -nitro-	(508,454)	10	0-1	1-2½	-	0-1	-	0-1	1	50
1651	71	Styrenesulfonic acid; sodium salt, polymer	(Y01,970-65)	10	-	-	-	-	-	-	1	49
1652	71	Succinanic acid, <u>N</u> -isopropyl-2,4-dimethyl-	(507,219)	10	-	-	-	-	-	-	1	53

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water Temp. °F
				E	D	E	D	E	D	E	D	
1653		Succinic acid,	(No code) 10	4-8 ^A	-	-	-	-	-	-	1	50
			15	-	-	-	-	-	-	-	1	50
1654	71	diamminocopper (11) complex	(101,482-A1) 10	-	8½-13	-	6-8½	-	8½-13	-	1	52
1655	71	nickel (11) salt	(101,482-68) 10	-	-	-	22-24	-	-	-	1	51
1656	58	sulfa-dioctyl ester sodium salt	(Lot 19493X) 10	-	3-7	0-3	3-7	0-3	3-7	-	1	53
			10	-	-	-	-	-	-	-	2	68
1657	71	alkenyl-; aminocopper complex; alkenyl- C ₆ C ₈	(Y00,005-A1) 10	-	0-3	-	0-3	-	3-7	-	1	52
1658	71	alkenyl-; aminocopper complex; alkenyl-C ₈ - C ₁₀	(Y00,070-A1) 10	-	-	-	9-13	2-4	5-9	-	1	53
1659	71	Succinic acid; aminesilver complex	(Y00,005-A2) 10	1-2	9-13	1-2	2-5	0-1	2-5	-	1	53
1660	71	disilver salt	(Y00,005-50) 10	-	1-2	-	0-1	0-1	1-2	-	1	52
1661	71	monobutyl ester, mercury (1) salt	(Y00,026-60) 10	-	7-10	-	2-3	-	2-3	-	1	51
1662	92	bromo-	(Cr-47) 10	-	-	-	-	-	-	-	1	51
1663	115	α, β-dimethyl-; (<u>trans</u>), 2-ethylbutyl ester	(0-5708) 10	-	-	-	-	-	-	-	1	50
1664	75	dodeceny-; diphenylmercuric ester, 10% Hg ("SUPER AD-IT")	(No code) 5	-	5½-7½	½-1½	1½-3½	½-1½	1½-3½	-	1	52
			10	-	4-6	-	1-2	-	1-2	-	1	52
1665	71	tetrafluoro-	(403,636) 10	-	-	-	-	-	-	-	1	53
1666	92	Succinimide, <u>N</u> -bromo-	(SM-43) 10	0-1	1-2	-	0-1	-	0-1	-	1	52
1667	71	Succinosuccinic acid, diethyl ester	(106,458) 10	-	-	-	-	-	-	-	1	52
1668	71	Sucrose; octaacetate	(100,135) 10	-	-	-	-	-	-	-	1	50
1669	36	Sulfamic acid, ammonium salt	(No code) 10	12-16	16-20	6-8	12-16	6-8	16-20	-	1	50
1670	92	<u>N</u> -(2-cyanoethyl)- <u>N</u> -2-ethylhexyl-; ethyl ester	(FW-231) 10	-	-	-	-	-	-	-	1	52

^ARegained equilibrium by 12 hours

1671	85	dimethyl-	(NP-1310)	10	-	-	-	-	-	-	1	51
1672	92	<u>p</u> -chlorophenyl ester	(Q-225)	10	2-5 ^A	-	2-5	-	2-5	-	1	53
1673	71	Sulfanilamide, <u>N</u> -(2-benzimidazolylmethyl)-	(901,257)	10	-	-	-	-	-	-	1	53
1674	71	<u>N</u> ¹ -(1-hydroxyethyl-2,2,2-trichloro)-sesquihydrate	(900,052-01)	10	-	-	-	-	-	-	1	51
1675	93	<u>N</u> ⁴ -acetyl- <u>N</u> '-(4-nitrophenyl)-	(PRM 15148)	10	-	-	-	-	-	-	2	57
1676	93	Sulfanilamide, <u>N</u> -phenyl-	(C-36)	10	-	-	-	-	-	-	2	57
1677	92	Sulfanilic acid; <u>p</u> -toluidinium salt	(Cr-334)	10	-	-	-	-	-	-	1	52
1678	92	<u>N</u> -acetyl-	(Cr-759)	10	-	-	11-15 ^B	-	-	-	1	52
1679	71	<u>N</u> -benzoyl-; sodium salt	(905,111-65)	10	-	-	-	-	-	-	1	53
1680	71	<u>N,N</u> -dimethyl-	(900,731)	10	-	-	-	-	-	-	1	53
1681	38	Sulfide, benzyl	(1510)	10	-	3-7	-	3-7	-	3-7	1	53
1682	92	bis(5-benzyl-2-hydroxyphenyl)	(Cr-339)	10	-	-	-	0-1	-	0-1	1	52
1683	92	bis(2-benzyloxy-5-chlorophenyl)	(Cr-309)	10	-	-	-	-	-	-	1	52
1684	92	bis [<u>p</u> - <u>tert</u> -butyl- <u>o</u> -(<u>p</u> -nitrobenzyloxy) phenyl]	(Cr-1127)	10	-	-	-	-	-	-	1	52
1685	92	bis [2-(4- <u>tert</u> -butylphenoxy) ethyl]	(Cr-410)	10	-	-	-	-	-	-	1	53
1686	92	bis(5-chloro-2-hydroxyphenyl); bis(dimethylamino butenyl) sulfide mono salt	(WC-95)	10	-	0-1	-	0-1	-	0-1	1	51
1687	92	di(3,5,5-trimethylhexyl) amino mono salt	(WC-3)	10	0-1	1-2	-	0-1	-	0-1	1	52
1688	92	ethylenediamine mono salt	(WC-68)	10	-	0-1	-	-	-	0-1	1	52
1689	92	1-methyl-2-pentenylamine salt	(WC-59)	10	-	0-1	-	-	-	0-1	1	52
1690	92	nicotine mono salt	(WC-8)	10	-	0-1	-	0-1	-	0-1	1	51
1691	92	1,1,3,3-tetramethylbutylamine mono salt	(WC-34)	10	-	0-1	-	0-1	-	0-1	1	50
1692	92	3,5,5-trimethylhexylamine mono salt	(WC-2)	10	-	0-1	-	0-1	-	-	1	52
1693	92	bis(5-chloro-2-hydroxy-3-trichloromethylmercapto aminophenyl)	(WC-127)	10	-	-	-	3-7	-	7-11	1	52
1694	92	Sulfide, bis [<u>5</u> -chloro-2-(<u>p</u> -nitrobenzyloxy) phenyl]	(CR-310)	10	-	-	-	-	-	-	1	53

^ARegained equilibrium by 17 hours

^BRegained equilibrium by 21 hours

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
1695	92	bis(2-chloro-4-nitrophenyl)	(Cr-190)	10	-	-	-	-	-	-	-	1	51
1696	92	bis[2-(2-4-chlorophenoxy ethoxy) ethyl]	(Cr-974)	10	-	-	-	-	-	-	-	1	53
1697	92	bis[2-(4-chlorophenoxy) ethyl]	(Cr-404)	10	-	-	-	-	-	-	-	1	53
1698	71	bis(dimethylthiocarbamyl)	(800,087)	10	-	8-12	-	2-4	-	2-4	-	1	49
1699	92	bis(4-hydroxy-3-biphenyl)	(Cr-362)	10	1-2½	2½-6	0-1	2½-6	0-1	2½-6	-	1	52
1700	92	bis(4-hydroxyphenyl)	(Cr-283)	10	1-2	6-8	0-1	4-6	-	0-1	-	1	51
1701	92	bis[2-hydroxy-5-(1',1',3',3'-tetramethylbutyl)-phenyl]	(Cr-304)	10	-	-	-	-	-	-	-	1	52
1702	92	bis(p-4-nitrobenzyloxyphenyl)	(Cr-287)	10	-	-	7-11	15-19	-	-	-	1	52
1703	92	bis[2-p-nitro benzyloxy-5-(1',1',3',3'-tetramethylbutyl) phenyl]	(Cr-308)	10	-	-	11-15	-	-	-	-	1	52
1704	92	bis(4-nitrophenyl)	(Cr-208)	10	-	-	-	4-8	-	-	-	1	51
1705	92	bis(2-phenoxyethyl)	(Cr-418)	10	-	-	-	-	-	-	-	1	51
1706	92	2-chlorocyclohexyl 2,4-dinitrophenyl	(Q-235)	10	0-1	-	0-1	-	0-1	-	-	1	49
1707	92	4-chlorophenyl phenyl	(Cr-951)	10	-	-	-	-	-	0-2½	-	1	53
1708	92	2,4-dinitrophenyl ethyl	(Cr-298)	10	1-3	-	0-1	-	0-1	-	-	1	52
1709	92	Sulfone, bis(4-benzyloxyphenyl)	(Cr-273)	10	-	-	-	-	-	-	-	1	52
1710	107	bis(p-chlorophenyl)	(V1)	10	-	-	-	-	-	-	-	1	50
1711	115	dioctyl (mixture of isomers)	(O-5958)	10	2-4	8-12	2-4	8-12	2-4	8-12	-	1	51
1712	73	2,4,4',5-tetrachlorophenyl- ("TECH. TEDION")	(1344)	10	-	-	-	-	-	-	-	1	48
1713	73	Sulfonic acid, 8-hydroxy-7-iodo-5-quinoline-	(Bio-3378)	10	-	-	-	-	-	-	-	1	50
1714	92	Sulfoxide, bis(2-benzyloxy-5-chlorophenyl)	(Cr-345)	10	-	-	-	-	-	-	-	1	52
1715	71	bis(4-chlorophenyl)	(400,625)	10	-	-	-	-	-	-	-	1	53
1716	92	bis(4-hydroxyphenyl)	(Cr-264)	10	-	-	-	-	15-19	19-21	-	1	53
1717	92	bis 4-(2-methylallyloxy) phenyl	(Cr-321)	10	0-1	1-2	1-2	4-6	0-1	1-2	-	1	52

1718	92	Sulfoxylic acid; anilinomethyl ester	(Cr-154)	10	15-19	19-21	-	11-15	-	11-15	1	53		
1719	92	anilinomethyl ester, zinc salt	(Cr-153)	10	-	-	-	1-3	-	-	1	53		
1720	92	<u>o</u> -toluinomethyl ester	(Cr-151)	10	-	-	-	-	-	-	1	52		
1721	92	<u>o</u> -toluinomethyl ester, barium salt	(Cr-149)	10	-	-	-	-	-	-	1	52		
1722	92	<u>o</u> -toluinomethyl ester, calcium salt	(Cr-145)	10	7-11	-	-	-	-	-	1	50		
				15	-	-	-	-	-	-	1	48		
1723	71	Sulfuric acid; mono 2-aminoethyl ester	(900,197)	10	-	-	-	-	-	-	1	51		
1724	49	sodium triphenyl- <u>p</u> -rosaniline ester ("METHYL BLUE")	(No code)	10	-	-	-	-	-	-	1	50		
1725	71	Sulfurous acid; ethylene ester (cyclic)	(402,899)	10	-	-	-	-	-	-	1	53		
1726	53	Superfyde	(No code)	10	-	-	-	-	-	-	1	46		
				10	-	-	-	15-17	15-17	17-19	1	53		
1727	113	Syringic acid, hydrazide	(ID U14,007)	10	-	0-1	-	0-1	-	0-1	1	59		
1728	11	Tannic acid	(0377)	5	-	-	-	-	-	-	2	53		
				10	-	23-24	-	-	-	6-18	-	6-18	4	48
				10	-	0-1	-	-	-	-	2	68		
1729	71	Tarter emetic	(100,862)	10	-	-	-	-	-	-	1	51		
1730	71	Tartaric anhydride; diacetate	(105,304)	10	-	-	-	-	-	-	1	51		
1731	71	Tartonic acid	(104,140)	10	-	-	-	-	-	-	1	53		
1732	71	Taurine	(900,025)	10	-	0-3	-	0-3	-	0-3	1	52		
1733	92	7-Tetradecyne, 2,2,4,11,13,13-hexamethyl-6,9-bis [di(<u>n</u> -butylamino)-	(Q-297)	10	-	-	-	-	-	-	1	53		
1734	92	2,2,4,11,13,13-hexamethyl-6,9-bis-(diethanolamino)-	(Q-299)	10	-	-	-	-	-	-	1	53		
1735	92	2,2,4,11,13,13-hexamethyl-6,9-bis-(dimethylamino)-	(Q-251)	10	6-8½	8½-13	-	1-2½	-	1-2½	1	52		
1736	92	2,4-dichlorophenoxyacetic acid disalt	(Q-264)	10	-	-	-	-	-	-	1	51		
1737	92	hydrochloride disalt	(Q-270)	10	-	2½-4½	-	4½-8½	-	2½-4½	1	52		
1738	92	hydrochloride mono salt	(Q-293)	10	-	6-8½	-	2½-6	-	1-2½	1	52		

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. F
				E	D	E	D	E	D	E	D		
1739	92	laurylmonosulfate disalt	(Q-271)	5	-	-	-	-	-	-	-	1	50
				10	-	2-5	-	9-13	-	5-9	-	1	53
1740	92	methanesulfonic acid mono salt	(Q-265)	10	3-7	7-11	3-7	7-11	0-1	1-3	-	1	51
1741	92	monochloroacetic acid disalt	(Q-261)	6	-	-	-	-	-	-	-	1	48
				8	-	3-5	-	9-13	-	5-9	-	1	49
				12	5-9	-	-	-	-	-	-	1	49
				15	-	4-8	4-8	8-12	4-8	8-12	-	1	52
1742	92	2,4,5-trichlorophenoxyacetic acid disalt	(Q-266)	10	-	-	-	-	-	-	1	51	
1743	92	2,2,4,11,13,13-hexamethyl-6-dimethylamino-9-dinonyl (D-1) amino-	(Q-301)	10	3½-5½	-	-	-	16-20	-	1	51	
1744	92	7-Tetradecyne, 2,2,4,11,13,13-hexamethyl-6-dimethylamino- [methyl (β-dimethylaminoethyl) amino]-	(Q-288)	10	-	1-5	-	0-1	-	0-1	1	53	
1745	92	2,2,4,11,13,13-hexamethyl-6-dimethylamino-9-morpholino-	(Q-274)	10	9-13	-	-	9-13	9-13	-	1	52	
1746	92	2,2,4,11,13,13-hexamethyl-6,9- [methyl-(β-dimethylaminoethyl)] -	(Q-309)	10	-	1-3	-	0-1	-	0-1	1	52	
1747	73	Tetraiodofluorescein	(Bio-3397)	10	-	11-13	-	4½-8½	-	-	3		
1748	58	Tetramethylene diamine, N,N'-bis(3-amino-n-propyl putrescine; diaminopropyl- ("SPERMINE ^{III} ")) (Lot 41229)	(Lot 41229)	10	-	-	-	-	-	-	-	1	50
				10	-	-	-	-	-	-	2	68	
1749	24	Tetramethylene-sulfo-tetramine	(G.P. 4273)	10	0-1½	5½-7½	0-1½	3½-5½	-	0-1½	1	52	
1750	113	Tetrazolium compounds; 2-tetrazoline, 1-benzyl-5-imino-4-octyl-; ditartrate hydrate (U-15, 400E, Lot 4951-JK-13.9)		10	0-1	1-2	-	0-1	-	1-2	1	50	
1751	2	2,3,5-triphenyl----chloride	(T8485)	10	-	-	-	-	-	-	2	68	
				10	-	-	-	-	-	-	1	50	
1752	92	1,2,4-thiadiazole, 3,5-dibenzylthio-	(Cr-1112)	10	-	12-16	-	2½-4½	-	7½-12	1	51	
1753	71	Thianaphthrene, 3(?)-chloro-	(001,137)	10	0-1½	-	0-1½	12-16	0-1½	-	1	51	

1754	71	3-nitro-	(904,703)	10	0-1	1-3	0-1	1-3	0-1	3-7	1	52
				10	0-1	1-3			0-1	3-8	1	51
1755	37	Thiocarbazono, diphenyl-	(No code)	5	-	21-23	-	6½-11	-	2½-6½	1	54
				10	0-1	1-2	1-2	2-4	1-2	2-4	1	50
1756	92	Thiocyanic acid; 4-acetamido-3-nitrophenyl ester	(Cr-451)	10	-	0-1½	-	0-1½	-	0-1½	1	51
1757	92	4-acetamido-3-(2-phenoxyethoxy) phenyl ester	(Cr-419)	10	-	0-1	-	0-1	-	0-1	1	52
1758	92	Thiocyanic acid; 2-amino-5-biphenyl ester	(Cr-1242)	10	-	0-1	-	0-1	0-1	1-2½	1	52
1759	92	4-amino-3-hydroxyphenyl ester, <u>p</u> -toluene-sulfonate	(Cr-888)	10	-	0-1½	-	0-1½	-	0-1½	1	51
1760	92	4-amino-3-nitrophenyl ester	(Cr-443)	10	-	0-1½	-	0-1½	-	0-1½	1	51
1761	92	4-aminophenyl ester	(H-144)	10	0-½	½-1½	-	0-½	-	0-½	1	53
1762	92	<u>p</u> -benzoylbenzyl ester	(Cr-486)	10	1½-3½	9½-14	0-1½	1½-3½	0-1½	1½-3½	1	51
1763	92	benzyl ester	(H-125)	10	0-1	2½-6	0-1	1-2½	0-1	1-2½	1	52
1764	92	4-benzylideneamino-3-methylphenyl ester	(Cr-434)	10	0-1½	1½-3½	-	0-1½	-	0-1½	1	51
1765	92	2-benzyloxy-5- <u>tert</u> -butyl-3-nitrobenzyl ester	(Cr-555)	10			0-1½	1½-2½	0-1½	1½-2½	1	51
1766	92	2-(2-benzyloxyethoxy) ethyl ester	(Cr-997)	10	½-1½	12-16	-	12-16	3½-5½	12-16	1	51
1767	92	4-biphenyl ester	(Cr-453)	10	-	1-3	-	0-1	-	0-1	1	51
1768	92	2-(2-biphenyloxy) ethyl ester	(Cr-883)	10	0-1	1-2	0-1	1-2	0-1	1-2	1	50
1769	92	2-[2-(<u>p</u> -bromo- <u>p</u> - <u>tert</u> -butylphenoxy) ethoxy] ethyl ester	(Cr-1145)	10	0-1	1-3	-	1-3	1-3	3-7	1	52
1770	92	4-(<u>p</u> -bromophenoxy) benzyl ester	(Cr-772)	10	5-9	9-13	5-9	9-13	5-9	9-13	1	52
1771	92	4-[2-(2-butoxyethoxy) ethylamino] phenyl ester	(Cr-1062)	10	-	0-½	-	0-½	-	0-½	1	53
1772	92	2-(2- <u>p</u> - <u>tert</u> -butyl- <u>o</u> -nitrophenoxy) ethyl ester	(Cr-660)	10	-	0-1	-	0-1	-	0-1	1	52
1773	92	3-chloro-4-dimethylaminophenyl ester, 3- <u>tert</u> -butyl-6-hydroxybenzenesulfonate	(Cr-528)	10	0-1	1-2½	0-1	1-2½	0-1	1-2½	1	50
1774	92	Thiocyanic acid; 2-[2-(2-chloroethoxy) ethoxy] ethyl ester	(Cr-607)	10	-	-	-	10-12	-	6-10	1	48

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
1775	115	3-(2-cyclohexylphenoxy) propyl ester	(O-2124-a)	10	4½-7½	12-16	1½-2½	2½-4½	4½-7½	12-16	1	51	
1776	92	3,5-dichloro-4-dimethylaminophenyl ester	(Cr-452)	10	-	0-1½	-	0-1½	-	0-1½	1	52	
1777	92	2-[2-(4-[1,1-dimethylpropyl]-2-nitro-phenoxy) ethoxy] ethyl ester	(Cr-833)	10	0-1	3-7	1-3	3-7	0-1	1-3	1	52	
1778	92	2-[4-(1,1-dimethylpropyl)-2-nitrophenoxy] ethyl ester	(Cr-832)	10	0-½	5½-7½	0-½	1½-3½	0-1½	½-1½	1	52	
1779	92	2-[4-(1,1-dimethylpropyl) phenoxy ethyl] ester	(Cr-522)	10	0-1	1-3	0-1	1-3	0-1	1-3	1	52	
1780	92	2,4-dinitrophenyl ester	(H-135)	10	-	0-1½	-	0-1½	-	0-1½	1	51	
1781	92	2-ethoxyethyl ester	(Cr-560)	10	-	-	15-16	16-20	7-11	11-15	1	52	
1782	92	ethylene glycol diester	(H-141)	10	-	1-3	0-1	1-3	-	1-3	1	52	
1783	92	4-(2-hydroxyethylamino) phenyl ester	(Cr-433)	10	0-1½	1½-3½	-	0-1½	-	0-1½	1	51	
1784	92	1-(2-hydroxy) naphthyl ester	(Cr-226)	10	0-1	1-3	-	0-1	0-1	1-3	1	52	
1785	92	1-(4-hydroxy) naphthyl ester	(H-146)	10	-	0-1½	-	0-1½	-	0-1½	1	51	
1786	71	p,p'-iminodiphenyl diester	(802,997)	10	0-½	7½-12	-	0-½	-	0-½	1	53	
1787	92	p-methoxybenzyl ester	(Cr-465)	10	-	-	-	7½-12	7½-12	12-16	1	51	
1788	92	6-(2-methylallylamino)-m-tolyl ester	(Cr-741)	10	0-1	2-4	0-1	1-2	0-1	1-2	1	52	
1789	92	2-(o-2-methylallylphenoxy) ethyl ester	(Cr-897)	10	0-1	1-3	0-1	1-3	0-1	1-3	1	52	
1790	92	2-[2-(2-p-nitrophenoxyethoxy) ethoxy] ethyl ester	(Cr-637)	10	-	0-1	-	0-1	-	0-1	1	52	
1791	92	Thiocyanic acid; 2-(p-nitrophenoxy) ethyl ester	(Cr-435)	10	-	0-1	-	0-1	-	0-1	1	52	
1792	92	p-nitrophenyl ester	(Cr-445)	10	-	0-1½	-	0-1½	-	0-1½	1	51	
1793	11	sodium ester	(3938)	10	-	-	-	-	-	-	2	68	
				10	-	-	-	-	-	-	1	52	
1794	92	2-[2-(p-1,1,3,3-tetramethylbutyl-p-nitrophenoxy) ethoxy ethyl] ester	(Cr-665)	10	-	5½-7½	1½-3½	3½-5½	½-1½	3½-5½	1	52	
1795	87	Thiolutin	(No code)	10	1-2½	2½-6	-	2½-6	-	2½-6	1	52	

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
				15	7½-11	-	1-2	5-7½	1-2	-		1	52
1813	92	<i>o</i> -bromo- <i>p</i> -nitro	(Cr-192)	10	1-3	3-5	0-1	3-5	1-3	3-5		1	51
1814	123	<i>o</i> -chloro- <i>x</i> -decyl-	(0-3726)	10			1½-3½	5½-7½	-	5½-7½		1	51
1815	92	<i>o</i> -chloro-3-nitro-4-methoxy-	(Cr-233)	10	-	19-21	0-2	6-10	0-2	6-10		1	51
1816	123	<i>o</i> -chloro- <i>x</i> -tetra-isopropyl-	(0-3710)	10	-	-	-	-	2-4	-		1	48
1817	123	Toluene, <i>o</i> -chloro- <i>x</i> -triisopropyl-	(0-3704)	10	5½-7½	12-16	7½-12	16-20	7½-12	12-16		1	51
1818	91	2,6-dinitro-4-amino-	(No code)	10	1-2½	2½-6	1-2½	2½-6	-	0-1		1	52
1819	71	<i>o</i> -Toluenephosphonic acid, diethyl ester	(402,930)	10	-	-	-	-	-	-		1	52
1820	92	<i>o</i> -Toluenesulfonamide, <i>p</i> -chloro- <i>N</i> -(7-methyloctyl)-	(Lo-692)	10	-	1-3	1-3	3-7	-	1-3		1	52
1821	92	<i>p</i> -Toluenesulfonanilide	(Cr-889)	10	0-1	3-5	0-1	3-5	0-1	3-5		1	51
1822	71	<i>N</i> -allyl-	(905,122)	10	0-1	3-7	0-1	1-3	0-1	3-7		1	52
1823	92	4'-benzyloxy-	(Cr-733)	10	-	-	-	-	-	-		1	52
1824	92	<i>N</i> -(ethylmercuri)-	(No code)	10	1-3	3-5	-	0-1	-	1-3		1	51
1825	71	<i>p</i> -Toluenesulfonic acid; alkyltrimethylammonium salt (alkyl = C ₁₈ H ₃₇)	(Y01,515)	10	0-1	1-2½	-	0-1	-	0-1		1	52
1826	91	<i>o</i> -Toluenesulfonic acid, amino-	(No code)	10	-	-	-	-	-	-		1	53
1827	38	5-amino-	(566)	5	-	-	-	-	-	-		2	53
				10	-	-	-	-	-	-		2	68
				10	-	2-10	-	2-10	-	2-10		1	52
1828	92	<i>p</i> -Toluenesulfonic acid; dinitroacrylphenyl ester	(Q-213)	10	-	1-5	-	0-1	-	0-1		1	53
1829	71	<i>o</i> -Toluenesulfonic acid, thiol-; benzyl ester	(404,041)	10	0-1	1-2½	-	0-1	-	0-1		1	52
1830	71	Toluene-2,4,6-triamine; trihydrochloride	(800,128-10)	10	-	-	-	-	-	-		1	51
1831	92	<i>o</i> -Toluidine; <i>N</i> -benzyl-	(Cr-320)	10	0-1	-	-	-	-	-		1	51
				15	0-½	3½-5½	½-1½	7½-12	½-1½	5½-7½		1	52

TABLE 2. - Continued

Rept. No.	Chem. Source	Chemical	Conc. PPM	Squawfish		Chinook		Coho		Steelhead		Water	Temp. °F
				E	D	E	D	E	D	E	D		
				10	-	-						2	68
1854	20	L-Tyrosine	(No code)	10	-	-			-	-		1	49
1855	38	Umbelliferone, 4,methyl-	(2806)	10	-	-						2	64
1856	71	4,6-Undecandione, 3-ethyl-	(106,998)	10			11-15	21-25	-	-		1	53
1857	92	9-Undecanoic acid; 2-(2-thiocyanoethoxy) ethyl ester	(Cr-612)	10	-	-	1-3	3-7	-	1-3		1	52
1858	92	2-thiocyanoethyl ester	(Cr-610)	10	-	-	3-7	16-18	1-3	7-11		1	52
1859	92	7-Undecyne, 2,2,4,10-tetramethyl-6,9-bis-dimethylamino-	(Q-283)	10	-	-	-	-	-	-		1	48
1860	39	Urea, allyl	(No code)	10	-	-	-	-	-	-		1	52
1861	32	x-(3-chlorophenyl)-x-phenyl-	(No code)	10	13 ^A	-	0-2½	6½-11	0-2½	11-15		1	56
1862	71	1,3-dibenzyl-	(509,241)	10	-	-	-	-	-	-		1	52
1863	32	x,x-di-3-chlorophenyl-2-thio-	(No code)	10	-	-	19-21	-	8½-13	-		1	48
1864	32	1,3-diethyl-1,3-diphenyl-	(No code)	10	0-1	1-3	0-1	1-3	0-1	1-3		1	52
1865	66	1-ethyl-3-(5-nitro-2-thiazolyl)- ("NITHIAZIDE")	(63RTS170)	10	-	-	-	-	-	16-19		1	53
1866	92	1-(p-toluenesulfonyl)-3-tridecyl-	(FW-77)	10	7½-12	16-20	-	5½-7½	3½-5½	7½-12		1	51
1867	58	Uridine, 5-bromodeoxy-	(Lot 43006S)	10	-	-						2	60
1868	60	Valeric acid, ethyl 2-cyano-2,3-diethyl- ester	(41133, Lot 070-186-213)	10	-	15-16	-	15-16	-	15-16		1	65
1869	89	-hydroxy-; lactone,	(No code)	10	-	-	-	-	-	-		1	50
1870	92	4-methyl-4-nitro-; ester with 2-furaneglyconitrile	(ER-127)	10	1-5	5-9	0-1	1-5	0-1	1-5		1	52
1871	60	Valeronitrile, 2,2-diphenyl-4-dimethylamino-	(ID 1322, Lot 790376)	10	0-1	3-5	0-1	3-5	0-1	3-5		1	58
1872	35	Versene acid JB-1	(No code)	10	-	-			-	-		1	46
1873	35	Versenol powder JB-2	(507,313)	10	-	-	-	-	-	-		1	50

^ALost equilibrium at 13 hours

1874	52	Vinsol NVX	(906)	10	-	-	-	-	-	-	3			
1875	92	Xanthic acid; butyl; carboxymethyl ester	(Lo-136)	10	0-1½	-	0-1½	-	0-1½	-	1	52		
1876	92	crotonyl ester	(Lo-230)	10	-	20-24	12-16	16-20	-	7½-12	1	51		
1877	92	pentyl-; ester with glycolamide	(Lo-196)	10	-	1-3	-	1-3	-	1-3	1	50		
1878	92	Xanthic anhydrosulfide	(Lo-10)	10	0-1	1-3	0-1	1-3	-	0-1	1	52		
1879	91	p-Xylene, , '-Dichloro-	(No code)	10	0-1½	4½-7½	-	0-1½	-	0-1½	1	51		
1880	92	nitro	(No code)	10	0-½	-	0-½	-	0-½	-	1	51		
1881	123	x-Xylenesulfonic acid; phenyl ester	(0-2642)	10	-	-	-	10-12	12-14	-	1	50		
1882	100	3,5-Xylenol	(No code)	10	-	-	18-21	23-24	23-24	-	1	53		
				10	-	-	-	10-12	0-2	14-16	1	52		
1883	58	p-Xylohydroquinone	(Lot 27202)	5	-	-					2	57		
				10	-	-				- 23-24	4	48		
				10	-	0-2					2	69		
1884	2	Yohimbine hydrochloride <u>common name ester of 4 monocarboxilic acids</u>	(Y-20)	10	-	-	-	-	-	-	1	53		
				10	5-16	-					2	66		
				15	6-7½	10-22					4	53		
1885	116	Zinc Rosinate	(No code)	10	-	-	-	-	-	-	1	48		
1886	117	Zinc salt of 2-pyridine-thiol-1-oxide ("VANCIDE ZP")	(No code)	10	-	4½-8½	-	4½-8½	-	4½-8½	3			
1887	117	Zinc 2,2'-thiobis(4,6-dichlorophenoxide) ("VANCIDE BZ")	(No code)	10	-	3-5½			-	0-3	-	0-3	3	55
1888	81	Zirconium tetrafluoride	(R-3-100)	10	-	-			-	-	1	69		

Table 3. An alphabetical list of trade names or common names of compounds which are listed under the heading "chemical" in Table 2.

Name	Report Number	Name	Report Number
Acridine	1469	Dienestrol	1012
Actamar	1351	Dilan, 25% active	1243
AgeRite Alba	951	DN Dry Mix No. 1	1301
Altax	769	Dow General Weed Killer	1281
Amax	380	Dowicide A	1345
Ammonyx DME, 75% active	139	Dowicide 2S	1355
Ammonyx-27	146	Dowicide 2	1354
Ammonyx-781	1542	Dowicide 6	1348
Amprolium	1386	Dowicide 31	1299
Armeen C	669	Duomeen C	1412
Armeen 12	777	Duomeen 12	1414
Aroclor 1242	448	Endrin, Technical 94.5%	1187
Aroclor 1248	449	DL-Ethionine	1381
Aroclor 1254	450	Ethopabate	354
Arquad 12	141	Furaltadone	1241
Arquad 16	144	German Acid	738
Bismate	546	German Acid, distilled fraction	739
Blueberry dust	674	Glycarbylamide	1026
BTC-776	110	Heptachlor, Technical 73%	1035
BTC-824, 50% active	109	Isothan DL-1 75% active in isopropanol	138
Butyl Namate	587	Isothan Q15, 20%	1066
Butonate, Technical	1375	Kelthane W	870
Butonate, 25% Emulsifiable	1374	Khellin	368
Carbarsone	304	Lethane 384	939
Catechol	306	Lindane, 25% active	699
Chloramphenicol	1415	Lindane, 99% BHC	700
Chlordane, Technical AG Grade	1032	Lindane, 100% active	701
Cumate	551	Lindane, 10% water dispersible	702
Cyprex	1006	Lykophon	1617

Table 3. - Continued

Name	Report Number	Name	Report Number
Methylene blue	1178	Thiate B	1798
Methyl Selenac	586	Thiodane	340
NACAP	382	Tolane	65
NICARB	614	Urethane	568
Nithiazide	1865	Vancide BN	768
Nuodex Mercury 25%	1190	Vancide BZ	1887
Nuodex PMO 10	1231	Vancide F-845	1154
Onyxide, 75% active in isopropanol	140	Vancide F-3390	771
Perthane WP-50	800	Vancide NP	1476
Phosfluorogen "A"	1370	Vancide OD	772
Phygon Technical, 95% active	1200	Vancide FA	955
PMAS, 10% water Soln.	37	Vancide PB	303
Priminox 43	1390	Vancide F-75	750
Rhothane WP-50	791	Vancide ZP	1886
Salcide	1578	Vancide 26 EC	376
Solan	1244	Vancide 20S	379
Spergon, wettable, 48% active	372	Vancide 22	374
Spermine	1748	Vancide 30	381
SUCONOX-4	1278	Vancide 51	384
SUCONOX-9	1342	Vancide 51Z	377
SUCONOX-12	1330	Vancide 76	557
SUCONOX-18	1347	Vancide 89	589
Sudan III	1190	Vancide 89	724
Super Ad-It	1664	Vanlube 81	765
Tarophen CNB 33	287	Vanzak RA	1391
Tech. Tedion	1712	Vanzak WL	383
Thanisol 85	31	Vanzak 112	1213
Thiabendazole	335	Warcocide 1400	145
Thiate A	1486	Warfarin	678
		Zetax	378

Table 4. A list of the companies from which the chemicals used in these assays originated and the identifying numbers of the companies which are referred to in Table 2.

Identifying No.	Chemical Source	Identifying No.	Chemical Source
1	Agricultural Chemicals Research Laboratory General Chemical Division Allied Chemical & Dye Corporation, P. O. Box 405, Morristown, New Jersey.	21	Field Laboratory, California Spray-Chemical Corporation, P. O. Box 120, Haddonfield, New Jersey.
2	Aldrich Chemical Company, 2369 North 29th St., Milwaukee 10, Wisconsin.	22	Carus Chemical Co., Inc. 1375 Eighth St., La Salle, Illinois.
3	Product Development Dept., Solvay Process Div., Allied Chemical & Dye Corporation, 61 Broadway, New York 6, New York.	23	Central Scientific Co., Chicago, Illinois
4	Allied Chemical & Dye Corporation, National Aniline Division, Buffalo, New York.	24	Chemagro Corporation, 101 Park Ave., New York, New York.
5	Aloe Scientific, 1818 East Madison St., Seattle 22, Washington.	25	Chemicals Procurement Laboratories Inc., 18-17 130th St., College Point 56, New York.
6	New Product Development Dept., American Cyanamid Co., 30 Rockefeller Plaza, New York 20, New York.	26	Research Division, Chipman Chemical Co., Inc., Bound Brook, New Jersey.
7	National Aniline and Chemical Co., Pharmaceutical Division, New York, New York.	27	W. A. Cleary Corporation, New Brunswick, New Jersey.
8	The Market Development Dept., Armour Chemical Division, Armour and Company 1355 West 31st St., Chicago 9, Illinois.	28	Coahoma Chemical Co., Inc., P. O. Box 728, Clarksdale, Mississippi.
9	Ashland Oil & Refining Co., Ashland, Kentucky.	29	The Coleman and Bell Co., Norwood, Ohio.
10	Atlas Chemical Industries, Inc., Chemical Division, Wilmington 99, Delaware.	30	Dept. of Botany & Plant Pathology, Colorado Agricultural & Mechanical College, Fort Collins, Colorado.
11	J. T. Baker Chemical Co., Phillipsburg, New Jersey.	31	Columbian Carbon Company, Subsidiary of Cities Service, Box 975, Princeton, New Jersey.
12	Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.	32	Research Laboratory, Columbia-Southern Chemical Corporation, Barberton, Ohio.
13	Ben Venue Laboratories, Inc., 270 Northfield Road, Bedford, Ohio.	33	Division of Industrial Chemistry Commonwealth Scientific & Industrial Research Organization, Box 4331, Melbourne, Victoria, Australia.
14	Benzol Products Co., 239 South St., Newark, New Jersey.	34	W. H. Curtin & Co., Houston, Texas.
15	Bios Laboratories, Inc., 17 West 60th St., New York, 23, New York.	35	Biochemical Research Dept., The Dow Chemical Co., Midland, Michigan.
16	Dajac Laboratories, The Borden Chemical Co., P. O. Box 9522, Philadelphia 24, Pennsylvania.	36	E. I. du Pont de Nemours & Co., P. O. Box 525, Wilmington 99, Delaware.
17	Braun-Knecht-Heimann Co., Laboratory Supplies, San Francisco, California.	37	Eastman Kodak Co., Research Laboratory, 343 State Street, Rochester, New York.
18	E. C. Britton, Research Laboratories	38	Eastman Organic Chemical Dept., Distillation Products Industries, Rochester 3, New York.
19	California Corporation for Biochemical Research, 3625 Medford St., Los Angeles 63, California.	39	Edwal Laboratories, Chicago, Illinois.
20	California Foundation for Biochemical Research, 3408 Fowler St., Los Angeles 63, California	40	Escambia Chemical Corporation, Cottage Row, Wilton, Connecticut.
		41	Ethyl Corporation, 100 Park Ave. Bldg. at 41st St., New York 17, New York.
		42	Fisher Scientific Co., 635 Greenwich, New York 14, New York.

Table 4. - Continued

Identifying No.	Chemical Source	Identifying No.	Chemical Source
43	Gamma Chemical Corporation, Great Meadows, New Jersey.	64	Matheson, Coleman, and Bell, 2909 Highland Ave., Norwood (Cincinnati 12), Ohio, P. O. Box 85, East Rutherford, New Jersey.
44	The G. Frederick Smith Chemical Co., Columbus, Ohio.	65	Dr. W. T. Sumerford, Director, Pharmaceutical Chemistry, Research Laboratories, Mead Johnson and Co., Evansville 21, Indiana.
45	Research Laboratory, Geigy Agricultural Chemicals, Geigy Chemical Corporation, 62 West Second St., Bayonne, New Jersey.	66	Process Research Dept., Chemical Division, Merck and Company, Inc., Rahway, New Jersey.
46	Southern Chemical Division, The Glidden Company, P. O. Box 389, Jacksonville 1, Florida.	67	Metal and Thermit Corporation, 100 Park Ave., New York 17, New York.
47	Biochemical Development, B. F. Goodrich Chemical Co., Rose Bldg., 2060 East Ninth St., Cleveland 15, Ohio.	68	Miles Chemical Co., Inc., Elkhart, Indiana.
48	W. R. Grace and Co., Research Division, Washington Research Center, Clarksville, Maryland.	69	Minnesota Mining and Manufacturing Co., Central Research Dept., 2301 Hudson Road, St. Paul 19, Minnesota.
49	Dr. G. Grubler & Co., Leipzig, Germany.	70	Development Dept., Organic Chemicals Division, Monsanto Chemical Company, 800 North 12th Blvd., St. Louis, Missouri.
50	Hartman Leddon Co., Inc., 60th & Woodland Ave., Philadelphia, Pennsylvania.	71	The Chemical-Biological Coordination Center, National Research Council, 2101 Constitution Ave., Washington 25, D. C.
51	Hellige, Inc., 3718 Northern Blvd., Long Island City 1, New York.	72	Agricultural Chemicals Development, Naugatuck Chemical, Bethany 15, Conn.
52	Naval Stores Department, Hercules Powder Co., Wilmington 99, Delaware.	73	Niagara Chemical Division, Food Machinery & Chemical Corporation, Middleport, New York.
53	Heyden Chemical Corporation, Garfield, New Jersey.	74	The Norwich Pharmacal Co., Eaton Laboratories Division, Norwich, New York.
54	R. M. Hollingshead Corporation, Camden 2, New Jersey.	75	Microbiological Laboratory, Nuodex Products Co., Inc., Elizabeth, New Jersey.
55	The Hubbard Hall Chemical Co., P. O. Box 790, Waterbury 20, Connecticut.	76	Nutritional Biochemicals Corporation 21010 Miles Ave., Cleveland 28, Ohio.
56	Dr. G. C. Finger, Illinois State Geological Survey Division, Natural Resources Bldg., Urbana, Illinois.	77	Olin Mathieson Chemical Corporation, Product Development Dept., Niagara Falls, New York.
57	James Good Company, Susquehanna Avenue & Martha St., Philadelphia 25, Pennsylvania.	78	Research and Development Laboratories Onyx Oil and Chemical Co., Warren & Morris Streets, Jersey City 2, New Jersey.
58	K & K Laboratories, Inc., 177-10 93rd Ave., Jamaica 33, New York.	79	Oronite Chemical Co., 3508 Carew Tower, Cincinnati 2, Ohio.
59	Koppers Company, Inc., Chemicals and Dyestuffs Division, LockHaven, Pennsylvania.	80	Ozark Mahoning Co., 310 West 6th St. Tulsa 19, Oklahoma.
60	The Lilly Research Laboratories, Eli Lilly & Co., Indianapolis 6, Indiana.	81	Research Dept., Ozark-Mahoning Co., Tulsa 1, Oklahoma.
61	L. Light & Co., Ltd., Colnbrook, Bucks England.	82	The New York Quinine and Chemical Works, Inc., Subsidiary of S. B. Penick & Co., 999 West Side Ave., Jersey City 6, New Jersey.
62	Government Contract and Sales, Mallinckrodt Chemical Works, Second and Mallinckrodt Sts., St. Louis 7, Missouri		
63	Mann Research Laboratories, 136 Liberty St., New York 6, New York.		

Table 4. - Continued

Identifying No.	Chemical Source	Identifying No.	Chemical Source
83	Pennsalt Chemicals Corporation Agricultural Chemical Division, 309 Graham Bldg., Aurora 7, Ill.	104	General Sales Offices, Sumner Chemical Co., Inc., 6 East 45th St., New York 17, New York.
84	Sharples Chemicals Division, Pennsylvania Salt Manufacturing Co., Three Penn Center Plaza, Philadelphia 2, Pennsylvania.	105	Sun Chemical Corp., Corporate Research 631 Central Ave., Carlstadt, New Jersey.
85	Technical Division, Pennsylvania Salt Manufacturing Co., Box 4388, Philadelphia 18, Pennsylvania.	106	Thompson-Hayward Chemical Co., P. O. Box 768 Zone 41, 2915 Southwest Blvd., Kansas City 8, Missouri.
86	Pfaltz & Bauer, Inc., New York, New York.	107	Cincinnati Division, Toms River-Cincinnati Chemical Corp., Evanston Station, Cincinnati, Ohio.
87	Charles Pfizer & Co., 630 Flushing Ave., Brooklyn 6, New York	108	Union Carbide Chemical Co., Division of Union Carbide Corp., 270 Park Ave., New York 17, New York.
88	Pittsburgh Plate Glass Co., Chemical Division, Pittsburgh 22, Pennsylvania.	109	University of Denver, Denver Research Institute, University Park, Denver 10, Colorado.
89	The Quaker Oats Co., 302 Pierce St., Omaha 8, Nebraska.	110	Dept. of Entomology, University of Maine, Orono, Maine.
90	Restricted.	111	University of Michigan, Dept. of Chemistry, Lansing, Michigan.
91	Research Dept., Ringwood Chemical Corpora- tion, Woodstock, Illinois.	112	Hydraulic & Sanitary Laboratory, College of Engineering, University of Wisconsin, Madison, Wisconsin.
92	Research Laboratories, Rohm and Haas Co., 5000 Richmond St., Philadelphia 37, Penn.	113	The Upjohn Co., Scientific Administration, 301 Henrietta St., Kalamazoo, Michigan.
93	Research Division, Dr. Salsbury's Labora- tories, Charles City, Iowa.	114	U. S. Borax Research, 412 Crescent Way, Anaheim, California.
94	Schwarz Bio-Research, Inc., Mountain View Ave., Orangeburg, New York.	115	Entomology Research Branch, Agricultural Research Service, United States Dept. of Agriculture, P. O. Box 3391, Orlando, Florida.
95	Schwarz Laboratories, Inc., 230 Washington, Mt. Vernon, New York.	116	Naval Stores Research Section, Southern Utilization Research Branch, Agricultural Research Service, U. S. Dept. of Agricultur Naval Stores Station, Olustee, Florida.
96	Scientific Oil Compounding Co., Inc., 1637-55 South Kilbourn Ave., Chicago 23, Illinois.	117	R. T. Vanderbilt, Co., 230 Park Ave., New York, New York.
97	Scientific Supplies Co., 600 S. Spokane St., Seattle 4, Washington.	118	Velsicol Chemical Corp., 330 East Grand Ave., Chicago 11, Illinois.
98	Shell Chemical Co., 119 South Clairborne, New Orleans, Louisiana.	119	White Laboratories, Inc., Kenilworth, New Jersey.
99	Agricultural Research Division, Shell Development Co., P. O. Box 2171, Denver 1, Colorado.	120	Wisconsin Alumni Research Foundation, Bio- chemical Laboratory, Madison, Wisconsin.
100	Product Development Dept., Shell Development Co., Emeryville, California.	121	Witco Chemical Co., Inc., 75 East Wacker Drive, Chicago 1, Illinois.
101	Sindar Corp., 330 West 42nd St., New York 36, New York.	122	Woolfolk Chemical Works, Ltd., Fort Valley, Georgia.
102	Stauffer Chemical Co., Agricultural Research Lab., 1496 East Fremont Road, Mountain View, California.	123	Research and Engineering Division, Wyandott Chemicals Corp., Wyandotte, Michigan.
103	Sterling Winthrop Research Institute, Rensselaer, New York.		