APPENDIX I: PESTDATA

Caution: Use this table only as a quick reference for tentative identification of residues found in samples analyzed by the most commonly used PAM I multiresidue methods. Always compare the residue to a standard chromatographed in your own gas chromatograph. Apply appropriate confirmatory tests to verify tentative identification. Note that PESTDATA cannot and does not contain all details; consult PAM I tables that accompany each method for more definitive information about the behavior of the compound through the steps of the methods.

NOTATIONS AND ABBREVIATIONS USED IN PESTDATA

(In all categories a hyphen indicates absence of data)

Name

Preferred name for each chemical. "*" indicates chemicals with multiple GLC peaks. Chlordane, Strobane, toxaphene and all Aroclors are listed only in the table ordered by name and do not appear in the tables ordered by relative retention times.

Molecular Formula

Numbers are not subscripted. Averages are used for multicomponent chemicals.

RRT/c

Columns list retention times (relative to chlorpyrifos) on GLC column indicated. Conditions under which these data were gathered are described in these Section 302 DG modules:

GLC Column	Section 302 DG modules
OV-101	DG1-DG5
OV-17	DG13-DG17
OV-225	DG18, DG19

Note that headers in these tables refer to GLC columns by the names used for packed columns, despite DG1-DG19's descriptions of wide bore capillary column systems, because so many of these rrts were developed using packed columns. Rrt data for equivalent packed and capillary columns are expected to be essentially identical and are combined in PESTDATA.

Responses

Data specify column and detector used. Numbers refer to weight (ng) that causes detector response of approximately 50% full scale deflection (FSD) on the recording device. Response values collected when the detector was combined with a wide bore capillary column include the notation "(WB)." Codes refer to detectors and operating conditions described in these Section 302 DG modules, except that all response values are based on detector sensitivity of 50% FSD to 1.5 ng chlorpyrifos:

Code	Detector	Section 302 DG modules
TR	tritium electron capture	none - obsolete detector
TI	thermionic (KCl)	none - obsolete detector
FP	flame photometric, phosphorus	DG2, DG14, DG19
FS	flame photometric, sulfur	DG15
NI	^{63}Ni electron capture	DG1, DG13, DG18
NP	nitrogen/phosphorus	DG5, DG17
HX	electroconductivity (halogen mode)	DG3, DG16
HN	electroconductivity (nitrogen mode)	DG4
MC	microcoulometric	none - obsolete detector

NOTES: Response values are approximate and can vary dramatically on different chromatographs. Most response values represent rounded-off or averaged values; some were collected under conditions different from those suggested in references.

Recoveries

Data on the recovery of the compound through several PAM I methods are listed in columns with the following headings. See the appropriate PAM I table(s) for more details, such as partial recoveries through Florisil.

Heading	Common Name	PAM I Section	PAM I Table
302	Luke (Los Angeles)	302 E1-E3, no cleanup	302-a
303	Mills, Onley, Gaither	303 E1-E5 + C1 or C2	303-a
304	Mills fatty food	304 E1-E5 + C1-C4	304-a
Ethers	Florisil elution system	303 C1, 304 C1 and C3	303-a, 304-a
CH_2Cl_2	alternative Florisil elution	303 C2, 304 C2 and C4	303-a, 304-a

Recovery codes have the following meanings: C: complete (>80%); P: partial (50-80%); S: small (<50%); V: variable; R: recovered but no quantitative information available; NR: not recovered.

Transmittal No. 2000-1 (10/1999)
Form FDA 2905a (6/92)

Appendix I: PESTDATA Chemicals in Order by Chemical Name

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
1,1'-(2,2-dichloroethylidene)bis(2-methoxybenzene)	C16H16Cl2O2	2.9	-	3.7	-	R	-	-	-
	Responses:								
1,2,3,4-tetrachlorobenzene	C6H2Cl4	-	-	0.09	-	-	-	-	-
	Responses: OV-17: NI0.2								
1,2,3,5-tetrachlorobenzene	C6H2Cl4	-	-	0.07	-	P #	-	6	1
	Responses: OV-17: NI0.1								
1,2,3-trichlorobenzene	C6H3Cl3	0.08	-	-	-	C	P	6	1
	Responses: OV-101: TR2								
1,2,4,5-tetrachloro-3-(methylthio)=benzene	C7H4Cl4S	0.49	0.35	0.48	R	C	-	6	1
	Responses: OV-101: NI0.3 OV-17: HX(WB)0.3 OV-225: NI0.3								
1,2,4,5-tetrachlorobenzene	C6H2Cl4	-	-	0.07	-	-	-	-	-
	Responses: OV-17: NI0.2								
1,2,4-triazole	C2H3N3	0.2	-	0.27	V	NR	NR	6-15-50	1-2-3
	Responses: DEGS: NP3								
1-hydroxychlordene	C10H6Cl6O	0.99	1.63	1.07	-	R	-	15	-
	Responses: OV-101: NI(WB)7 OV-17: NI1 OV-225: NI1								
1-methyl cyromazine	C7H13N6	-	-	0.72	-	-	-	-	-
	Responses: OV-17: NP1000								
10,10-dihydromirex	C10H2Cl10	2.67	-	-	-	C	-	6	-
	Responses: OV-101: NI7								
10-monohydromirex	C10HCl11	4.26	-	-	-	C	-	6	-
	Responses: OV-101: NI7								
2,3,5,6-tetrachloroanisidine	C7H5Cl4NO	0.59	0.73	0.66	-	C	-	6	2
	Responses: OV-101: NI0.5 OV-17: HX(WB)0.6 OV-225: NI0.5								
2,3,5,6-tetrachloroanisole	C7H4Cl4O	0.24	0.15	0.22	-	C	-	6	1
	Responses: OV-101: NI0.2 OV-17: HX(WB)0.3 OV-225: NI0.2								
2,3,5,6-tetrachloronitroanisole	C7H3Cl4NO3	0.56	0.63	0.56	-	C	-	6	1+2
	Responses: OV-101: NI0.4 OV-17: HX(WB)0.5 OV-225: NI0.4								
2,3,5,6-tetrafluoro-4-hydroxymethyl=benzoic acid	C8H4OF4	-	-	-	-	-	-	-	-
	Responses:								

* Multipeak chemical.

\# Recovery may vary with choice of Florisil elution system; see Tables 303-a, 304-a.

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
2,3,5-trimethacarb	C11H15NO2	0.35	0.6	0.38	C	S #	NR	50	1-2-3
	Responses: OV-101: NP8 OV-17: NP4 OV-225: NP10								
2,3-dihydro-3,3-methyl-2-oxo-5-benzofuranyl methyl sulfonate	C11H12O5S	0.68	2.89	0.93	-	-	-	-	-
	Responses: OV-101: FS25/NI4 OV-17: FS54/NI4.5 OV-225: FS63/NI10								
2,4,5-T BEP ester*	C17H23Cl3O3	0.16	0.14	-	-	-	-	-	-
		0.68	0.66	-					
		1.08	0.91	-					
		2.85	1.19	-					
		3.3	2.78	-					
		5.3	3.28	-					
		7	7.7	-					
	Responses: OV-101: TR35								
2,4,5-T butoxyethyl ester*	C14H17Cl3O4	-	2.66	-	-	-	-	-	-
		2.91	3.3	-					
	Responses: OV-101: TR4								
2,4,5-T butyl esters*	C12H13Cl3O3	-	-	1.05	-	-	-	-	-
		-	-	0.86					
	Responses:								
2,4,5-T ethylhexyl ester	C16H21Cl3O3	3.38	-	2.62	-	-	-	-	-
	Responses: OV-101: NI5								
2,4,5-T isobutyl ester	C12H13Cl3O3	0.94	-	-	-	-	-	-	-
	Responses: OV-101: TR1								
2,4,5-T isooctyl ester*	C16H21Cl3O3	-	2.69	-	-	-	-	-	-
		2.56	3.1	-					
		2.96	3.4	-					
		3.25	3.8	-					
	Responses: OV-101: TR20								
2,4,5-T isopropyl ester	C11H11Cl3O3	0.67	0.65	-	-	-	-	-	-
	Responses: OV-101: TR2								
2,4,5-T methyl ester	C9H7Cl3O3	0.49	0.63	0.47	-	-	-	-	-
	Responses: OV-101: TR1								
2,4,5-T n-butyl ester	C12H13Cl3O3	1.1	-	-	-	-	-	-	-
	Responses: OV-101: TR1								
2,4,5-T propylene glycol butyl ether esters	C15H19Cl3O4	2.37	-	-	-	-	-	-	-
	Responses:								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
2,4,5-trichloro-alpha-methylbenzene=methanol	C8H7OCl3	0.34	-	0.25	R	R	-	15	-
	Responses:								
2,4-D BEP ester*	C17H24Cl2O4	-	0.08	-	-	-	-	-	-
		0.69	0.74	-					
		1.66	1.18	-					
		2	1.79	-					
		3.22	2.09	-					
		4.1	5.1	-					
		10.2	13	-					
	Responses: OV-101: TR60								
2,4-D butoxyethyl ester*	C14H18Cl2O4	-	1.67	1.44	-	-	-	-	-
		1.82	2.08	1.79					
	Responses: OV-101: TR12 OV-17: NI5								
2,4-D ethyl hexyl ester*	C16H22Cl2O3	-	1.51	-	-	-	-	-	-
		2.1	1.78	1.68					
	Responses: OV-101: NI5								
2,4-D isobutyl ester	C12H14Cl2O3	0.62	0.62	0.49	-	-	-	-	-
	Responses: OV-101: TR5								
2,4-D isooctyl ester*	C16H22Cl2O3	-	-	1.48	-	-	-	-	-
		2.04	1.78	1.78					
	Responses: OV-101: TR50 OV-17: NI5								
2,4-D isopropyl ester*	C11H12Cl2O3	-	0.62	-	-	-	-	-	-
		0.42	0.74	0.33					
	Responses: OV-101: TR10								
2,4-D methyl ester	C9H8Cl2O3	0.3	0.38	0.25	-	-	-	-	-
	Responses: OV-101: TR6								
2,4-D n-butyl ester	C12H14Cl2O3	0.72	-	-	-	-	-	-	-
	Responses: OV-101: TR40								
2,4-D propylene glycol butyl ether ester*	C15H2OCl2O4	-	1.42	-	-	-	-	-	-
		1.54	3.6	-					
	Responses: OV-101: TR20								
2,4-DB methyl ester	C11H12Cl2O3	0.62	0.72	-	-	-	-	-	-
	Responses: OV-101: TR28								
2,4-dichloro-6-nitrobenzenamine	C6H4Cl2N2O2	0.3	-	-	-	R	-	15	2
	Responses: OV-101: HX2/NI0.4/NP8								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
2,6-dichlorobenzamide	C7H5NOCl2	0.39	1.3	0.52	C	NR	NR	6-15-50	1-2-3
Responses:									
2,8-dihydromirex	C10H2Cl10	2.41	-	-	-	C	-	6	-
Responses: OV-101: NI4									
2-chloroethyl caprate	C8H15ClO2	0.32	-	-	-	C	C	15	2
Responses: OV-101: HX2									
2-chloroethyl laurate	C14H27ClO2	0.59	-	-	-	C	C	15	2
Responses: OV-101: HX2									
2-chloroethyl linoleate	C20H35ClO2	4.1	-	-	-	V	P	15	2
Responses: OV-101: HX15									
2-chloroethyl myristate	C16H31ClO2	1.17	-	-	C	V	V	15	2
Responses: OV-101: HX4									
2-chloroethyl palmitate	C18H35ClO2	2.35	-	-	-	V	P	15	2
Responses: OV-101: HX10									
2-hydroxy-2,3-dihydro-3,3-methyl-5-benzofuranyl methyl sulfonate	C11H14O5S	1	6.6	1.46	-	-	-	-	-
Responses: OV-101: FS48/NI135 OV-17: FS88/NI96 OV-225: FS175/NI400									
2-methoxy-3,5,6-trichloropyridine	C6H4Cl3NO	0.19	0.08	0.1	C	P #	C	6+15	1+2
Responses: OV-101: NI0.5/NI(WB)0.4/NP(WB)9 OV-17: HX1.5									
3, 5, 6-trichloro-2-pyridinol methyl ester	C6H4Cl3NO	0.32	0.44	0.36	-	-	-	-	-
Responses: OV-101: NI(WB)0.6/NP(WB)5									
3,4,5-trimethacarb	C11H15NO2	0.45	0.78	0.5	C	NR	NR	50	1-2-3
Responses: OV-101: NP25 OV-17: NP10 OV-225: NP200									
3,4-dichloroaniline	C6H5Cl2N	0.2	0.32	0.16	V	S	-	15	-
Responses: OV-101: HX0.6/NI16/NP1 OV-17: NI13/NP8 OV-225: NI30									
3,4-dichlorophenylurea	C7H6Cl2N2O	0.22	0.14	0.1	-	NR	NR	6-15-50	-
Responses: OV-101: HX9/NI18/NP60 OV-17: NI4 OV-225: NI6									
3,5-dichloroaniline	C6H5Cl2N	0.18	0.27	0.14	S	S	S	6+15	1+2
Responses: OV-101: HN(WB)1/HX0.5/NI9/NI(WB)16/NP0.9/NP(WB)1 OV-17: HN(WB)0.3/HX(WB)2/NI8/NI(WB)14/NP8/NP(WB)0.4 OV-225: NI20/NI(WB)25									
3-(3,4-dichlorophenyl)-1-methoxyurea	C8H8Cl2N2O2	0.21	-	1.36	R	NR	NR	6-15-50	-
Responses: OV-101: HX9/NI25 OV-17: NP250									
3-aminophenol	C6H7NO	-	-	-	-	-	-	-	-
Responses:									

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
3-carboxy-5-ethoxy-1,2,4-thiadiazole	C3H2N2O3S	0.22	0.25	0.2	NR	-	-	-	-
Responses: OV-101: NI170/NP40 OV-17: NI160/NP30 OV-225: NI100 DEGS: NI200/NP40									
3-chloro-5-methyl-4-nitro-1H-pyrazole	C4H4ClN3O2	1.07	-	-	C	-	-	-	-
Responses:									
3-desmethyl sulfentrazone	C10H8Cl2F2N4O3S	3.3	-	7.5	-	NR	NR	6-15-50	1-2-3
Responses: OV-101: NI(WB)0.1/NP(WB)37 OV-17: FS(WB)1500/NI(WB)0.1/NP(WB)73									
3-hydroxycarbofuran	C12H15NO4	-	-	-	-	-	-	-	-
Responses:									
3-hydroxymethyl-2,5-dimethylphenyl methylcarbamate	C11H15NO3	0.8	-	1.03	-	NR	NR	6-15-50	1-2-3
Responses: OV-101: NP200 OV-17: NP600									
3-ketocarbofuran	C12H12NO4	0.55	1.41	0.9	S	NR	NR	6	1
Responses: OV-101: HN(WB)17/NI(WB)15/NP(WB)9 OV-17: HN(WB)15/NI(WB)80/NP(WB)30 OV-225: NI(WB)80									
3-methyl-4-nitrophenol	C7H7O3N	0.38	0.63	0.26	V	NR	NR	6-15-50	1-2-3
Responses: OV-101: NI13/NP50 OV-17: NI5/NP20 OV-225: NI250									
3-methyl-4-nitrophenol methyl ether	C8H9O3N	0.17	0.22	0.13	-	-	-	-	-
Responses: OV-101: NI3/NP7 OV-17: NI1/NP2 OV-225: NI2									
3-phenoxybenzenemethanol	C13H12O2	1.28	-	1.6	-	-	-	-	-
Responses: OV-101: NI1000 OV-17: NI1000									
3-tert-butyl-5-chloro-6-hydroxy=methyluracil	C9H13ClN2O3	1.35	2.27	2.55	-	NR	NR	6-15-50	1-2-3
Responses: OV-101: HN(WB)4/HX(WB)40/NI(WB)67/NP(WB)39 OV-17: HN(WB)13/HX(WB)99/NI(WB)35/NP(WB)290 OV-225: NI(WB)630									
4,4'-dichlorobiphenyl	C12H8Cl2	-	-	0.51	-	-	-	-	-
Responses:									
4-(2,4-dichlorophenoxy)=benzenamine	C12H9Cl2NO	1.44	-	-	-	-	-	-	-
Responses: OV-101: TR60									
4-(dichloroacetyl)-1-oxa-4-azapiro=[4.5]decane	C10H15Cl2NO2	0.5	0.69	0.48	C	P	-	50	3
Responses: OV-101: NI1.4/NP34 OV-17: NI1.1/NP1.2 OV-225: NI1.6									
4-chloro-6-methoxyindole	C9H8NOCl	0.54	-	0.66	-	R	-	15	-
Responses: OV-101: HX2.5/NI1000 OV-17: HX0									
4-chlorobenzeneamine	C6H6ClN	-	-	0.07	S	NR	NR	6-15-50	1-2-3
Responses:OV-17:NP(WB)1.5									

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
4-chlorobenzylmethyl sulfone	C8H9ClO2S	0.41	1.91	0.66	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI(WB)0.4 OV-17: NI(WB)0.8 OV-225: NI(WB)2								
4-chlorobenzylmethyl sulfoxide	C8H9ClOS	0.39	1.16	0.54	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI(WB)20 OV-17: NI(WB)16 OV-225: NI(WB)55								
4-chlorobiphenyl	C12H9Cl	-	-	0.2	-	-	-	-	-
	Responses:								
4-chlorophenoxyaniline*	C12H10ClNO	0.87	-	1.07	S	-	-	-	-
		1.28	-	1.31					
	Responses: OV-101: HX7/NI1100								
4-chlorophenylurea	C7H7ClN2O	0.54	-	1.07	NR	NR	NR	6-15-50	1-2-3
	Responses:OV-101:NI(WB)15 OV-17:NI(WB)40								
4-hydroxymethyl-3,5-dimethylphenyl methylcarbamate*	C11H15NO3	0.18	-	0.22	-	NR	NR	15-50	1-2-3
		0.27	-	0.31					
	Responses: OV-101: NI200 OV-17: NI150								
6-chloro-2,3-dihydro-3,3,7-methyl-5H-oxazolo(3,2-a)pyrimidin-5-one	C9H13ClN2O2	0.43	1.34	0.6	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)0.4/NI(WB)26/NP(WB)3 OV-17: HN(WB)0.4/HX(WB)4/NI(WB)36/NP(WB)2 OV-225: NI(WB)51								
6-chloro-2,3-dihydro-7-hydroxy=methyl-3,3-methyl-5H-oxazolo=(3,2-a)pyrimidin-5-one	C9H13ClN2O3	0.86	-	1.55	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)4/HX(WB)11/NI(WB)28/NP(WB)17 OV-17: HN(WB)3/HX(WB)17/NI(WB)19/NP(WB)12								
6-chloronicotinic acid*	C6H4NO2Cl	-	-	-	-	NR	NR	6-15-50	1-2-3
		-	-	-					
	Responses: DEGS: HX40/NI11/NP66								
8-monohydromirex	C10HCl11	3.74	-	-	-	C	-	6	-
	Responses: OV-101: NI5								
acephate	C4H10NO3PS	0.15	0.64	0.19	C	-	-	-	-
	Responses: OV-101: FP(WB)0.9/NP3 OV-17: FP(WB)0.6 OV-225: FP5								
acetochlor	C14H20NO2Cl	0.75	0.88	0.67	C	C #	P	50	3
	Responses: OV-101: HX5/NI9/NP5 OV-17: NI5 OV-225: NI5								
acifluorfen	C14H7ClF3NO3	1.05	1.47	0.88	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)170/HX(WB)980/NI(WB)40/NP(WB)270 OV-17: HN(WB)48/HX(WB)390/NI(WB)27/NP(WB)1000 OV-225: NI(WB)300								
acrinathrin	C26H21F6NO5	10.4	12.8	8.9	V	V	V #	15	2
	Responses: OV-101: NI15/NP125 OV-17: NI25/NP100 OV-225: NI40								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
alachlor	C14H2OClNO2	0.8	1	0.72	C	C	C #	50	3
	Responses: OV-101: NI(WB)7 OV-17: NI6 OV-225: NI6								
aldrin	C12H8Cl6	1.05	0.58	0.76	C	C	C	6	1
	Responses: OV-101: TR0.8 OV-17: NI1								
allethrin	C19H26O3	1.36	1.22	-	-	C	C #	50	3
	Responses: OV-101: NI8								
allidochlor	C8H12ClNO	0.09	-	-	C	NR	-	6-15	1-2-3
	Responses: OV-101: TR5								
alpha-cypermethrin	C22H19Cl2O3N	14	-	-	C	C	-	-	2
	Responses: OV-101: HX9/NI22								
ametryn	C9H17N5S	0.77	1.1	-	C	-	-	-	-
	Responses:								
aminocarb	C11H16N2O2	0.56	-	-	C	-	-	-	-
	Responses: OV-101: NP10								
amitraz	C19H23N3	-	-	-	S	-	-	-	-
	Responses:								
anilazine	C9H5Cl3N4	1.24	1.88	1.47	V	S	P	15+50	2+3
	Responses: OV-101: HX(WB)8/NI4 OV-17: NP20								
aramite*	C15H23ClO4S	2	2.77	-	C	P	NR	15	-
		2.14	3.05	-					
	Responses: OV-101: FP600/TR10000								
Aroclor 1016*	CHCl (mix)	0.2	0.24	-	-	C	C	6	1
		0.3	0.3	-					
		0.39	0.4	-					
		0.44	0.46	-					
		0.52	0.51	-					
		0.59	0.54	-					
		0.68	0.61	-					
		0.73	0.68	-					
		0.87	0.85	-					
		1	0.9	-					
		1.07	0.98	-					
		1.3	1.09	-					
	Responses:								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
Aroclor 1221*	C12H8.8Cl1.2	0.21	-	-	-	C	C	6	1
		0.27	-	-					
		0.32	-	-					
		0.37	-	-					
		0.4	-	-					
		0.53	-	-					
		0.6	0.15	-					
		0.65	0.21	-					
		0.7	0.24	-					
		0.77	0.3	-					
		0.9	0.4	-					
		1.01	0.43	-					
		1.3	0.46	-					
		1.45	0.5	-					
		1.55	0.54	-					
		1.8	0.61	-					
		1.9	0.68	-					
		2.12	0.92	-					
		2.26	1.04	-					
		2.7	1.16	-					
		3.16	1.24	-					
	Responses: OV-101: TR40								
Aroclor 1242*	C12H7Cl3	0.4	0.24	-	-	C	C	6	1
		0.52	0.3	-					
		0.58	0.4	-					
		0.68	0.46	-					
		0.73	0.54	-					
		0.88	0.61	-					
		0.98	0.68	-					
		1.05	0.85	-					
		1.24	0.9	-					
		1.42	0.98	-					
		1.52	1.1	-					
		1.77	1.36	-					
		1.87	1.59	-					
		2.24	1.75	-					
		2.61	2.01	-					
	Responses: OV-101: TR50								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
Aroclor 1248*	C12H6.1Cl3.9	0.52	0.4	-	-	C	C	6	1
		0.58	0.47	-					
		0.68	0.54	-					
		0.82	0.61	-					
		0.87	0.68	-					
		0.98	0.85	-					
		1.05	0.9	-					
		1.25	0.98	-					
		1.42	1.1	-					
		1.52	1.18	-					
		1.77	1.37	-					
		1.88	1.6	-					
		2.24	1.75	-					
		2.59	2.01	-					
		3.1	2.72	-					
	Responses: OV-101: TR50								
Aroclor 1254*	C12H5Cl5	-	-	0.35	-	C	C	6	1
		0.89	0.68	0.48					
		1	0.85	0.63					
		1.07	0.9	0.81					
		1.3	0.99	0.97					
		1.55	1.1	1.3					
		1.82	1.17	1.43					
		1.92	1.39	1.84					
		2.24	1.48	1.98					
		2.68	1.6	2.26					
		3.14	1.75	2.55					
		3.7	2.03	2.91					
		4.2	2.46	3.3					
		4.4	2.79	4.3					
		5	3.8	4.8					
		5.9	4.3	5.2					
	Responses: OV-101: TR30								
Aroclor 1260*	C12H3.7Cl6.3	-	1.09	-	-	C	C	6	1
		1.31	1.17	-					
		1.53	1.61	-					
		1.9	1.81	-					
		2.11	2.06	-					
		2.25	2.18	-					
		2.68	2.45	-					
		2.9	2.76	-					

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
Aroclor 1260* (cont'd)		3.2	3.12	-					
		3.6	3.48	-					
		4.2	3.7	-					
		5	4.3	-					
		5.9	5.2	-					
		6.6	5.8	-					
		8	7.2	-					
		9.3	8.8	-					
	Responses: OV-101: TR20								
Aroclor 1262*	C12H3.3Cl6.7	1.29	-	-	-	C	C	6	1
		1.53	-	-					
		1.89	-	-					
		2.11	-	-					
		2.26	-	-					
		2.66	-	-					
		2.88	-	-					
		3.12	-	-					
		3.6	-	-					
		4.2	-	-					
		5	-	-					
		5.9	-	-					
		6.5	-	-					
		6.7	-	-					
		8	-	-					
		9.3	-	-					
	Responses: OV-101: TR20								
Aroclor 1268*	C12H1Cl9	3.8	-	-	-	C	-	6	-
		4.7	-	-					
		5.4	-	-					
		7.3	-	-					
		8.7	-	-					
		10	-	-					
		13	-	-					
		16.2	-	-					
	Responses: OV-101: NI40								
Aroclor 4465*	CHCl (MIX)	2.08	-	-	-	C	C	6	1
		2.22	-	-					
		2.67	-	-					
		2.88	-	-					
		3.11	-	-					

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
Aroclor 4465* (cont'd)		3.6	-	-					
		4.2	-	-					
		4.5	-	-					
		5	-	-					
		5.4	-	-					
		5.9	-	-					
		6.5	-	-					
		6.6	-	-					
		8	-	-					
		9.3	-	-					
		12.1	-	-					
	Responses: OV-101: TR40								
atrazine	C8H14ClN5	0.43	0.74	0.44	C	S #	NR	50	1-2-3
	Responses: OV-101: TI58/TR200 OV-17: NI20								
azafenidin	C15H13Cl2N3O2	14	-	-	V	-	-	-	-
	Responses: OV-101:NI(WB)90								
azinphos-ethyl	C12H16N3O3PS2	6.9	-	14.8	C	P	S	50	3
	Responses: OV-101: TI58/TR200 OV-17: FP(WB)26/NI20								
azinphos-methyl	C10H12N3O3PS2	5.2	-	11.8	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: TI30/TR50								
azinphos-methyl oxygen analog	C10H12N3O4PS	3.7	-	10.1	C	-	-	-	-
	Responses: OV-101: FP20 OV-17: FP(WB)42								
benazolin methyl ester	C9H6O3SNCl	0.99	-	-	-	-	-	-	-
	Responses: OV-101: NI1								
bendiocarb	C11H13NO4	0.32	-	-	C	-	-	-	-
	Responses: DEGS: NP13								
benfluralin	C13H16F3N3O4	0.37	0.28	0.18	C	C	C	6	2
	Responses: OV-101: HX(WB)1.5/NI(WB)2 OV-17: HX(WB)1 OV-225: NI2								
benodanil	C13H10INO	2.43	-	4.5	C	-	-	-	-
	Responses: OV-101: NP60								
benoxacor	C11H11Cl2NO2	0.64	1.06	0.7	C	P	C	15+50	2+3
	Responses: OV-101: NI1/NP6 OV-17: NI1/NP7 OV-225: NI2								
bensulide	C14H24NO4PS3	9.5	-	20.2	C	P	C	50	3
	Responses: OV-101: FP100/NI(WB)9/TI190 OV-17: FP100								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
benzoylprop-ethyl	C18H17Cl2NO3	4.3	8.4	6	P	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI(WB)3 OV-17: NI8 OV-225: NI6								
BHC, alpha-	C6H6Cl6	0.4	0.48	0.35	C	C	C	6	1
	Responses: OV-101: TR0.4 OV-17: NI0.3								
BHC, beta-	C6H6Cl6	0.43	1.62	0.56	C	C	C	6	1
	Responses: OV-101: TR2 OV-17: NI1								
BHC, delta-	C6H6Cl6	0.5	1.71	0.67	C	C	C	6+15	1
	Responses: OV-101: HX0.5/TR0.4 OV-17: NI0.5								
bifenox	C12H9Cl2NO5	5	14.9	8.8	C	C	P	15+50	2+3
	Responses: OV-101: HX16/NI4								
bifenthrin	C23H22ClF3O2	4.9	3.8	4.5	V	C	-	6+15	2
	Responses: OV-101: NI8 OV-17: HX5/HX(WB)20								
binapacryl	C15H18N2O6	2.19	4.2	2.38	C	P	P	15	-
	Responses: OV-101: NI(WB)1 OV-17: NI22/NP(WB)100								
bis(2-ethylhexyl) phthalate	C24H38O4	6.4	4.5	6.1	-	C	C	15+50	-
	Responses: OV-101: NI(V)200								
bis(trichloromethyl)disulfide	C2Cl6S2	0.19	-	-	-	R	-	6	-
	Responses:								
bitertanol*	C20H23N3O2	9.4	-	11.8	C	-	-	-	-
		9.7	-	12.5					
	Responses: OV-17: NP(WB)200								
bromacil	C9H13BrN2O2	0.8	4.8	1.36	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)2/NI(WB)2/NP(WB)17 OV-17: HN(WB)1/HX(WB)8/NI(WB)6/NP(WB)5 OV-225: NI(WB)12								
bromacil methyl ether	C10H16BrN2O2	0.8	2.1	-	-	-	-	-	-
	Responses: OV-101: HN(WB)1.2/HX(WB)90/NI(WB)1.5/NP(WB)10 OV-225: NI(WB)3.8								
bromofenoxim methyl ether	C14H9Br2O6N3	0.3	-	-	-	-	-	-	-
	Responses: OV-101: HN(WB)6/NI1								
bromophos	C8H8BrCl2O3PS	1.11	1.29	1.16	C	C	C	6	-
	Responses: OV-101: FP3/NI(WB)1/TI3 OV-17: FP3/NI2 OV-225: NI6								
bromophos-ethyl	C10H12BrCl2O3PS	1.51	1.42	1.45	C	C	P	6	-
	Responses: OV-101: FP3/NI3/TI4 OV-17: FP(WB)0.3								
bromopropylate	C17H16Br2O3	4.4	6.5	-	C	C #	C #	15+50	1-2-3
	Responses: OV-101: TR12								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
bromoxynil butyrate	C11H9Br2NO2	0.78	-	-	-	V	-	15+50	2
	Responses: OV-101: NI0.5/NP7.5								
bromoxynil methyl ether	C8H5BR2ON	0.3	-	-	-	-	-	-	-
	Responses: OV-101: NI0.4								
bromoxynil octanoate	C15H17Br2NO2	3.14	-	-	-	V #	-	15+50	2
	Responses: OV-101: NI4/NP40								
BTS 27271-HCl	C10H14N2•HCl	-	-	-	-	-	-	-	-
	Responses:								
BTS 27919	C9H11NO	-	-	-	C	-	-	-	-
	Responses:								
bufencarb*	C13H19NO2	-	-	-	-	-	-	-	-
		-	-	-					
		-	-	-					
		-	-	-					
		-	-	-					
	Responses:								
Bulan	C16H15Cl2NO2	3.06	7.5	4.4	C	P	P	15	2
	Responses: OV-101: NI(WB)1 OV-17: NI5 OV-225: NI6								
bupirimate	C13H24N4SO3	2	3.7	2.6	C	-	-	-	-
	Responses: OV-101: FS(WB)20/NI(WB)8 OV-17: NP(WB)300								
butachlor	C17H26ClNO2	1.73	1.83	1.46	C	C	-	50	-
	Responses: OV-101: HX9 OV-17: HX9 OV-225: NI14								
butralin	C14H21N3O4	1.15	1.22	0.93	V	C	-	6+15+50	-
	Responses: OV-101: NI7/NP3 OV-17: NI6/NP15 OV-225: NI8								
butyl benzyl phthalate	C19H20O4	3.06	5.1	4.5	-	C	P	15+50	-
	Responses: OV-101: NI35								
butylate	C11H23NOS	0.22	-	-	-	-	-	-	-
	Responses:								
butylisodecyl phthalate	C22H34O4	-	-	0.82	-	-	-	-	-
	Responses:								
cadusafos	C10H23O2PS2	0.37	0.27	0.29	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP(WB)0.5 OV-17: FP(WB)0.4/NI(WB)12/NP(WB)0.5 OV-225: FP(WB)1								
captafol	C10H9Cl4NO2S	3.11	-	5.4	C	P	-	50	3
	Responses: OV-101: NI3 OV-17: NI5								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
captan	C9H8Cl3NO2S	1.2	3.49	1.85	C	P	C	50	3
	Responses: OV-101: TR2 OV-17: NI2								
carbaryl	C12H11NO2	0.75	-	1.05	C	-	-	-	-
	Responses: OV-101: NP60								
carbetamide	C12H16N2O3	0.96	-	1.32	-	-	-	-	-
	Responses:								
carbofuran	C12H15NO3	0.39	-	-	C	-	-	-	-
	Responses:								
carbofuran-3-keto-7-phenol	C10H10O3	-	0.24	-	-	-	-	-	-
	Responses:								
carbofuran-7-phenol-DNP ether	C16H14N2O6	-	18.1	-	-	-	-	-	-
	Responses:								
carbophenothion	C11H16ClO2PS3	2.94	4.2	3.7	C	C	P	6	2
	Responses: OV-101: TI15/TR4 OV-17: FP8								
carbophenothion oxygen analog	C11H16ClO3PS2	2.17	4.2	3.06	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI6/TI15 OV-17: FP15								
carbophenothion oxygen analog sulfone	C11H16ClO5PS2	3.8	-	7.1	-	-	-	-	-
	Responses: OV-101: NI36/TI35 OV-17: FP(WB)24								
carbophenothion oxygen analog sulfoxide	C11H16ClO4PS2	4.2	-	2.87	-	-	-	-	-
	Responses: OV-101: TI250 OV-17: FP15								
carbophenothion sulfone	C11H16ClO4PS3	5.1	-	9.2	C	C	P	6	1
	Responses: OV-101: FP3/TI20 OV-17: FP30								
carbophenothion sulfoxide	C11H16ClO3PS3	5.4	-	4	-	-	-	-	-
	Responses: OV-101: FP3/TI35 OV-17: FP20								
carbosulfan	C20H32N2O3S	5.4	-	5.3	P	-	-	-	-
	Responses: OV-101: NP20								
carboxin	C12H13NO2S	1.87	-	-	C	NR	NR	6-15-50	-
	Responses: OV-101: FS50								
carboxin sulfoxide	C12H13NO3S	0.13	0.23	0.11	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FS10 OV-17: FS30 OV-225: FS25								
CGA 100255	C15H12NO5	1.8	-	2.96	S	-	-	-	-
	Responses: OV-101: NP100 OV-17: NI1000/NP150								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
CGA 118244	C15H13Cl2N3O3	7	-	11.4	V	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI40								
CGA 120844	C8H9NSO3	0.6	2.65	0.9	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI200/NP200 OV-17: NI100/NP300 OV-225: NI300								
CGA 14128	C12H21N2O4PS	0.75	0.8	0.68	C		-	50	1-2-3
	Responses: OV-101: NI2/NP2 OV-17: NI0.6/NP2 OV-225: NI2 D								
CGA 150829	C5H14N4O	0.22	-	0.14	V	-	-	-	-
	Responses: OV-101: NP0.5 OV-17: NP1								
CGA 171683	C6H5F4N3O2	0.06	0.08	0.04	C		-	15+50	3
	Responses: OV-101: NI30 OV-17: NI10 OV-225: NI40								
CGA 189138	C13H8O3Cl2	1.39	1.89	1.54	-	-	-	-	-
	Responses: OV-101: NI1000 OV-17: NI1000 OV-225: NI1000								
CGA 205374	C16H11N3O2Cl2	12	8.9	6.1	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI50 OV-17: NI200 OV-225: NI500								
CGA 205375	C16H13N3O2Cl2	6.7	-	1.59	-	-	-	-	-
	Responses: OV-101: NI1000 OV-17: NI1000								
CGA 236431	C8H7F3N2O2	0.17	-	0.11	-	-	-	-	-
	Responses: OV-101: NP200 OV-17: NP20								
CGA 236432	C9H9F3N2O2	0.26	-	0.13	-	-	-	-	-
	Responses: OV-101: NP20 OV-17: NP8								
CGA 27092	C8H7F3N2O	-	-	0.62	-	-	-	-	-
	Responses: OV-17: NP50								
CGA 37734	C10H13NO2	0.4	-	0.47	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NP(V)20 OV-17: NP100								
CGA 51702	C9H9F3N2O	0.46	-	0.49	-	-	-	-	-
	Responses: OV-101: NP2 OV-17: NP3								
CGA 72903	C7H6F3N	0.22	-	0.14	-	-	-	-	-
	Responses: OV-101: NP100 OV-17: NP50								
CGA 91305	C10H8Cl2N3O	1.15	4.3	1.54	V	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI3								
CGA 94689A	C15H21NO5	1.53	6.5	2.41	V	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI5/NP150 OV-17: NI5/NP38 OV-225: NI5								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
CGA 94689B	C15H21NO5	1.54	6.6	2.45	S	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI12/NP150 OV-17: NI10/NP75 OV-225: NI8								
chloramben methyl ester	C8H7Cl2NO2	0.44	1.03	-	-	-	-	-	-
	Responses: OV-101: HX0.8/NI0.8								
chlorbenside	C13H10Cl2S	1.39	1.62	1.54	C	S	P	6	1
	Responses: OV-101: NI6 OV-17: HX3/NI1								
chlorbromuron	C9H10BrClN2O2	1.27	3.39	1.42	V	V	V	50	3
	Responses: OV-101: HX12/NI19								
chlorbufam	C11H10ClNO2	0.42	0.75	0.45	C		-	15	2+3
	Responses: OV-101: HX4 OV-17: HN(WB)0.4								
chlordane*	C10H6Cl8	0.45	0.16	-	C	C	C	6	1
		0.63	0.5	-					
		0.73	0.52	-					
		0.81	0.85	0.23					
		0.97	0.9	0.53					
		1.16	1.45	0.61					
		1.45	1.54	0.88					
		1.62	2.69	1.33					
		2.61	3.33	1.47					
	Responses: OV-101: NI(WB)5 OV-17: NI11 OV-225: NI4								
chlordane, cis-	C10H6Cl8	1.66	1.54	1.48	C	C	C	6	1
	Responses: OV-101: TR1 OV-17: NI0.8								
chlordane, trans-	C10H6Cl8	1.49	1.46	1.34	C	C	C	6	1
	Responses: OV-101: TR1 OV-17: NI0.6								
chlordecone	C10H8Cl10O5	2.75	1.67	2.38	-	S #	P #	15+50	1-2-3
	Responses: OV-101: NI(WB)2 OV-17: HX2/NI5 OV-225: NI6								
chlordene	C10H6Cl6	0.56	0.4	0.32	-	C	C	6	1
	Responses: OV-101: NI(WB)1 OV-17: NI0.4 OV-225: NI0.3								
chlordene epoxide	C10H6Cl6O	0.84	0.65	-	-	C	-	15	-
	Responses: OV-101: NI0.6								
chlordene, alpha-	C10H6Cl6	0.82	0.64	0.67	-	-	-	-	-
	Responses: OV-101: TR2 OV-17: NI0.6								
chlordene, beta-	C10H6Cl6	0.98	0.84	0.89	-	-	-	-	-
	Responses: OV-101: TR1 OV-17: NI1								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
chlordene, gamma-	C10H6Cl6	0.98	0.89	0.88	-	-	-	-	-
	Responses: OV-101: TR2 OV-17: NI1 OV-225: NI1								
chlorethoxyfos	C6H11Cl4O3PS	0.33	0.23	0.24	V	C	-	6	1
	Responses: OV-101: FP0.5/HX0.3/NI0.5 OV-17: FP0.5/HX0.3/NI0.3 OV-225: FP0.5/NI0.3								
chlorfenapyr (prop)	C15H11BrClF3N2O	2.21	-	2.34	P	-	S	50	2
	Responses: OV-101: NI2/NP50 OV-17: NI2/NP50 DEGS: NI4/NP190								
chlorfenvinphos, alpha-	C12H14Cl3O4P	1.21	1.58	1.29	C	-	NR	6-15-50	-
	Responses: OV-101: FP10/FP(WB)1.7/NI(WB)2/TI4 OV-17: FP(WB)2/NI3 OV-225: NI5								
chlorfenvinphos, beta-	C12H14Cl3O4P	1.29	2	1.52	C	S #	-	50	1-2-3
	Responses: OV-101: FP2/FP(WB)1.8/HX3/NI(WB)2/TI4 OV-17: FP4/FP(WB)2/NI3 OV-225: FP4/NI5								
chlorflurecol methyl ester	C15H11ClO3	1.73	-	1.88	C	-	-	-	-
	Responses: OV-101: HX8/NI3								
chlorimuron ethyl ester	C15H15ClN4O6S	0.13	0.15	0.1	P	NR	-	-	-
	Responses: OV-101: NI14/NI(WB)24/NP35 OV-17: NI(WB)1.4/NP23								
chlormephos	C5H12ClO2PS2	-	-	0.11	C	-	-	-	-
	Responses: OV-17: FP0.4								
chlornitrofen	C12H6Cl3NO3	2.85	4.7	-	C	C	C	6+15	2
	Responses: OV-101: TR5								
chlorobenzilate	C16H14Cl2O3	2.31	3.26	2.61	C	C #	P #	15+50	3
	Responses: OV-101: TR70 OV-17: NI15								
chloroneb	C8H8Cl2O2	0.19	0.19	-	C	C	-	6	2
	Responses: OV-101: NI3.5								
chloropropylate	C17H16Cl2O3	2.33	2.9	2.41	P	C	C	15+50	3
	Responses: OV-101: TR80 OV-17: NI15								
chlorothalonil	C8Cl4N2	0.55	1.44	0.74	S	C #	C #	6-15-50	2+3
	Responses: OV-101: HX1/NI0.6 OV-17: HX1/NI2								
chlorothalonil trichloro impurity	C8HCl3N2	0.32	-	-	R	R #	NR	6-15-50	2+3
	Responses:								
chloroxuron	C15H15ClN2O2	0.81	0.85	-	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HX16/NI300								
chlorpropham	C10H12ClNO2	0.32	0.43	0.25	C	C	C	15	2
	Responses: OV-101: HX2 OV-17: NI80								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
chlorpyrifos	C9H11Cl3NO3PS	1	1	1	C	C	P	6	2
	Responses: OV-101: NI1.5/TI3 OV-17: FP2/NI2								
chlorpyrifos oxygen analog	C9H11Cl3NO4P	0.95	1.51	1.08	C	NR	-	6-15-50	-
	Responses: OV-101: FP27/NI6/TI8								
chlorpyrifos-methyl	C7H7Cl3NO3PS	0.72	0.86	0.79	C	C	-	6	2
	Responses: OV-101: FP1/FP(WB)1.3/HX1.5/NI1/NP1 OV-17: FP(WB)1.5								
chlorsulfuron	C12H12ClN5O4S	1.3	8.9	-	-	NR	NR	6-15-50	-
	Responses: OV-101: NI50								
chlorthiamid	C7H5Cl2NS	0.69	-	-	-	-	-	-	-
	Responses:								
chlorthiophos oxygen analog	C11H15Cl2O4PS	2.22	4.1	2.99	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HX9/NI6 OV-17: FP10/HX11 OV-225: FP6								
chlorthiophos sulfone	C11H15Cl2O5PS2	5.3	18.8	9.1	C	C	-	50	3
	Responses: OV-101: HX20/NI9 OV-17: FP100/HX22 OV-225: FP39								
chlorthiophos sulfoxide	C11H15Cl2O4PS2	4.7	10.3	6.9	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HX20/NI6 OV-17: FP25/HX17 OV-225: FP15								
chlorthiophos*	C11H15Cl2O3PS2	2.24	-	2.58	C	C	C	6	2
		2.36	-	2.77					
		2.56	-	3.16					
	Responses: OV-101: FP8 OV-17: FP5								
CL 202,347	C13H19N3O5	2.96	11.5	4.1	-	-	-	-	-
	Responses: OV-101: NI15/NP50 OV-17: NI20/NP100 OV-225: NI60								
clodinafop-propargyl	C17H13ClFNO4	3.26	5.8	4.67	V	V	-	50	3
	Responses: OV-101:NP(WB)30 OV-17:NI(WB)20 OV-225:NI(WB)5								
clofentezine	C14H8Cl2N4	5.9	-	9.8	R	S	-	15	2
	Responses: OV-101: HN(WB)10.5/HX20/NI100 OV-17: NP165								
clomazone	C12H14ClNO2	0.45	0.59	0.46	C		-	50	3
	Responses: OV-101: HX1.5/HX2/NI110 OV-17: HX2/NP11 OV-225: NI150								
clopyralid methyl ester	C7H4Cl2NO2	0.18	-	-	-		-	50	-
	Responses: OV-101: NI0.25								
cloquintocet-mexyl	C18H22ClNO3	4.8	6.6	6.3	V	NR	-	6-15-50	1-2-3
	Responses: OV-101:NP(WB)40 OV-17:NI(WB)20 OV-225:NI(WB)5								

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Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
Compound K*	C10H6Cl8	0.83	-	-	-	C	-	-	1
		2.53	2.66	-					
	Responses: OV-101: TR5								
coumaphos	C14H16ClO5PS	9	40	18	C	NR	C #	6-15-50	3
	Responses: OV-101: NI39/NP38 OV-17: FP50/FP(WB)26/NI38/NP34 OV-225: NI100								
coumaphos oxygen analog	C14H16ClO6P	8	45	16	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI200/NP130 OV-17: FP75/NI50/NP40 OV-225: NI150								
CP 108064, methylated	C15H21NO4	0.73	-	0.67	-	-	-	-	-
	Responses: OV-101: NP6 OV-17: NP6								
CP 51214	C14H21NO3	0.7	-	0.58	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NP13 OV-17: NP24								
crotoxyphos	C14H19O6P	1.37	2.85	1.9	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI60/TI10 OV-17: FP10/FP(WB)3								
crufomate	C12H19ClNO3P	1.08	2.33	1.3	C	NR	NR	6-15-50	-
	Responses: OV-101: TI6 OV-17: FP2/NI3								
cyanazine	C9H13ClN6	0.89	4.9	1.48	C	NR	-	6-15-50	-
	Responses: OV-101: NI4/TI26 OV-17: HX6								
cyanofenphos	C15H14NO2PS	3.1	8.2	4.6	C	-	-	-	-
	Responses: OV-101: FP3.5/NI3/NP(WB)3								
cyanophos	C9H10O3NSP	0.47	-	0.59	C	-	-	-	-
	Responses: OV-101: FP(WB)0.7/NI(WB)2/NP1 OV-17: FP(WB)0.7/NP(WB)1								
cyclanilide methyl ester	C12H11Cl2NO3	1.57	1.84	1.64	-	-	-	-	-
	Responses: OV-101: NI5/NP30 OV-17: NI6/NP30 OV-225: NI6								
cycloate	C11H21NOS	0.3	-	-	C	V #	S	15+50	3
	Responses: OV-101: FS2/NP15								
cyfluthrin*	C22H18Cl2FNO3	11.7	-	-	C	P	-	15	-
		12.5	-	-					
		12.8	-	-					
	Responses: OV-101: HX30/NI30								
cymiazole	C12H14N2S	0.73	-	0.89	-	-	-	-	-
	Responses: OV-101: NP2 OV-17: NP(WB)2								
cymoxanil	C7H10N4O3	0.25	0.5	0.16	V	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)1/NI(WB)23/NP(WB)10 OV-17: HN(WB)3/NI(WB)120/NP(WB)7 OV-225: NI(WB)70								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
cypermethrin*	C22H19Cl2NO3	-	29	-	C	C	C	15	2
		14.1	33	23					
		15.1	36	25					
	Responses: OV-101: NI90								
cyprazine	C9H14ClN5	0.64	1.22	0.74	C	-	-	-	-
	Responses: OV-101: HX1.5/NI13								
cyproconazole	C15H18ClN3O	2.04	1.61	2.69	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)182/HX(WB)73/NI(WB)72/NP(WB)12								
cyprodinil	C14H15N3	1.18	-	1.39	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NP(WB)2 OV-17: NP(WB)10								
cyromazine	C6H10N6	0.58	-	0.68	S	-	-	-	-
	Responses: OV-101: NP10 OV-17: NP2								
dazomet	C5H10N2S2	0.4	-	0.71	S	NR	-	6-15-50	1-2-3
	Responses: OV-101: HX500/NI300 OV-17: FS(WB)80/HN(WB)0.4/HX500/NI300								
DCPA	C10H6Cl4O4	1.06	1.13	1	C	C	C	15	2
	Responses: OV-101: NI1 OV-17: NI1 OV-225: NI1								
DDE, o,p'-	C14H8Cl4	1.55	1.28	1.51	C	C	C	6	1
	Responses: OV-101: TR2 OV-17: NI1								
DDE, p,p'-	C14H8Cl4	1.92	1.59	1.86	C	C	C	6	1
	Responses: OV-101: NI1.5 OV-17: NI1								
DDM	C13H10Cl2	0.72	-	-	-	-	-	-	-
	Responses:								
DDMS	C14H11Cl3	1.65	-	1.65	-	R	-	6	-
	Responses:								
DDMU	C14H9Cl3	1.47	-	-	-	-	-	-	-
	Responses:								
DDNS	C14H12Cl2	0.83	-	-	-	-	-	-	-
	Responses:								
DDNU	C14H10Cl2	0.83	-	-	-	-	-	-	-
	Responses:								
DDT, o,p'-	C14H9Cl5	2.55	2.27	2.7	C	C	C	6	1
	Responses: OV-101: TR4 OV-17: NI2								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
DDT, p,p'-	C14H9Cl5	3.13	3.6	3.5	C	C	C	6	1
	Responses: OV-101: TR4 OV-17: NI2								
deltamethrin*	C22H19Br2NO3	17.1	-	21	C	S #	P	15	2
		27	-	35					
		29	19.9	38					
	Responses: OV-101: NI1300								
deltamethrin, trans-*	C22H19Br2NO3	17	-	6.2	-	P #	NR	15	2
		29	-	20					
		31	19.7	38					
	Responses: OV-101: NI200								
demeton-O oxygen analog	C8H19O4PS	0.22	0.32	0.21	-	-	-	-	-
	Responses: OV-101: TI6 OV-17: FP25								
demeton-O sulfone*	C8H19O5PS2	-	-	0.28	C	-	-	-	-
		0.71	2.95	0.96					
	Responses: OV-101: FP5/TI12 OV-17: FP3								
demeton-O sulfoxide	C8H15O4PS2	0.87	-	1.05	C	-	-	-	-
	Responses: OV-101: FP4								
demeton-O*	C8H19O3PS2	-	-	0.2	C	NR	-	6-15	-
		0.28	-	0.36					
	Responses: OV-101: FP(WB)2 OV-17: FP2								
demeton-S	C8H19O3PS2	0.41	0.56	0.41	C	NR	-	6-15-50	-
	Responses: OV-101: FP(WB)0.8/TI2 OV-17: FP0.8/FP(WB)0.8								
demeton-S sulfone	C8H19O5PS2	1.15	5.8	1.75	C	-	-	-	-
	Responses: OV-101: FP40/TI20 OV-17: FP5 OV-225: FP60								
demeton-S sulfoxide	C8H19O4PS2	-	-	-	C	-	-	-	-
	Responses: DEGS: FP30								
des N-isopropyl isofenphos	C12H18NO4PS	1.21	2.73	1.5	C	S	-	50	-
	Responses: OV-101: FP2 OV-17: FP3								
des N-isopropyl isofenphos oxygen analog	C12H18NO5P	0.93	-	1.43	-	-	-	-	-
	Responses: OV-101: FP(WB)5 OV-17: FP(WB)12								
desdiethyl simazine	C3H4ClN5	0.2	0.86	0.61	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HX25/NI20 OV-17: HN(WB)0.1/HX25 OV-225: NI20								
desethyl simazine	C5H8ClN5	0.3	0.8	0.53	-	NR	NR	50	1-2-3
	Responses: OV-101: HX12/NI20 OV-17: HN(WB)0.1/HX12 OV-225: NI80								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
desisopropyl iprodione	C10H6Cl2N3O3	2.31	15	3.93	P		-	50	1-2-3
	Responses: OV-101: NI20/NP50								
desmedipham	C16H16N2O4	0.44	0.29	0.45	-	-	-	-	-
	Responses: OV-101: NI1000/NP300 OV-17: NI1000/NP218 OV-225: NI1000								
desmethyl diphenamid	C15H15NO	0.98	-	-	-	-	-	-	-
	Responses: OV-101: TI340								
desmethyl norflurazon	C11H7ClF3N3O	3.38	1.41	4.9	V	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HX(WB)3/NI27 OV-17: HX(WB)3 OV-225: NI200								
di-allate	C10H17ClNOS	0.42	0.26	0.33	C	C	-	6	-
	Responses:								
di-n-octyl phthalate	C24H38O4	12	-	-	-	C	C	15+50	-
	Responses: OV-101: NI(V)330								
dialifor	C14H17ClNO4PS2	6.5	-	14.3	C	C	P	15	2
	Responses: OV-101: TI30/TR28 OV-17: FP25/FP(WB)31								
diazinon	C12H21N2O3PS	0.51	0.4	0.44	C	C	C	15	3
	Responses: OV-101: FP(WB)1/NI3/NP0.4 OV-17: FP0.7/FP(WB)0.9/NI4/NP0.25 OV-225: FP6/NI4.5								
diazinon oxygen analog	C12H21N2O4P	0.5	0.53	0.47	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI18/NP0.6 OV-17: NI30/NP0.6 OV-225: NI60								
dibromochloropropane	C3H5Br2Cl	0.04	-	0.03	-	-	-	-	-
	Responses: OV-101: TR0.6 OV-17: NI0.2								
dibutyl phthalate	C16H22O4	0.88	0.92	0.84	-	C	C	15+50	-
	Responses: OV-101: NI30								
dicamba methyl ester	C8H6Cl2O3	0.19	0.18	-	-	-	-	-	-
	Responses: OV-101: HX(WB)1.6/NI0.6								
dichlobenil	C7H3Cl2N	0.11	-	0.1	C	P	C	15	2
	Responses: OV-101: TR0.5 OV-17: NI0.6								
dichlofenthion	C10H13Cl2O3PS	0.67	0.64	0.56	C	C	V	6	2
	Responses: OV-101: FP1/FP(WB)3.5/NI1.9/TI2 OV-17: FP0.8/HX(WB)2								
dichlofluanid	C9H11Cl2FN2O2S2	0.9	1.71	1.01	C	C #	-	15+50	2+3
	Responses: OV-101: NI1/NP44								
dichlone	C10H4Cl2O2	0.55	0.92	-	P	S #	S #	6-15-50	2+3
	Responses: OV-101: NI2								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
dichlorobenzene, p-	C6H4Cl2	0.03	-	0.02	-	C	C	6	1
	Responses: OV-101: TR37 OV-17: NI4								
dichlorobenzophenone, o,p'-	C13H8Cl2O	0.82	1.07	0.92	-	C	C	15	2
	Responses: OV-101: TR4 OV-17: NI2								
dichlorobenzophenone, p,p'-	C13H8Cl2O	0.99	1.25	1.08	-	C	C	15	2
	Responses: OV-101: TR3 OV-17: NI2								
dichlorprop methyl ester	C10H10Cl2O3	0.28	-	-	-	-	-	-	-
	Responses: OV-101: HX(WB)1.6/NI2								
dichlorvos	C4H7Cl2O4P	0.07	0.08	0.08	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP9/NI1/TI0.5 OV-17: FP2.5 OV-225: FP(WB)0.7								
diclobutrazol	C15H19Cl2N3O	2.02	3.4	2.03	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HX7/NI7/NP(WB)8 OV-17: HN(WB)1.3/HX7/HX4/HX(WB)2/NI(WB)4/NP(WB)8 OV-225: NI7								
diclofop-methyl	C16H14Cl2O4	3.57	4.9	4.7	C	C	C	15	2
	Responses: OV-101: HX8/NI10 OV-17: HX10 OV-225: NI12								
dicloran	C6H4Cl2N2O2	0.42	0.96	0.45	C	S	P	15+50	2+3
	Responses: OV-101: TR0.5 OV-17: NI0.4								
dicofol, o,p'-*	C14H9Cl5O	0.86	-	-	C	V	S	6+15	2
		4.1	1.08	0.91					
	Responses: OV-101: NI5 OV-17: HX2								
dicofol, p,p'-*	C14H9Cl5O	1.04	-	-	C	V	P #	6+15	1+2
		4.4	1.28	1.08					
	Responses: OV-101: NI5 OV-17: HX3								
dicrotophos	C8H16NO5P	0.31	0.96	0.43	C	NR	-	6-15-50	-
	Responses: OV-101: FP(WB)0.6/TI10 OV-17: FP1/FP(WB)0.8								
dieldrin	C12H8Cl6O	1.91	1.87	1.84	C	C	C	15	2
	Responses: OV-101: HX1/NI1.5 OV-17: HX1.5/NI1								
diethatyl-ethyl	C16H22ClNO3	1.78	3.14	2	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HX11/NI10/NP180 OV-17: NI11/NP200 OV-225: NI14								
diethyl phthalate	C12H14O4	0.26	-	-	-	P	P	15+50	-
	Responses: OV-101: NI3500								
difenoxuron	C16H18N2O3	0.97	-	0.96	-	-	-	-	-
	Responses: OV-101: HN(WB)5 OV-17: NP16								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
diisobutyl phthalate	C16H2204	0.65	0.61	0.56	-	P	-	15+50	-
	Responses: OV-101: NI20								
diisohexyl phthalate*	C20H30O4	2.45	-	-	-	C	-	15+50	-
		2.66	-	-					
		2.9	-	-					
		3.27	-	-					
	Responses: OV-101: TR340								
diisooctyl phthalate*	C24H38O4	0.91	-	-	-	C	C	15+50	-
		5.5	-	-					
		6.2	-	-					
		6.7	-	-					
		7.5	-	-					
		9	-	-					
		10.5	-	-					
	Responses: OV-101: TR850								
Dilan*	C15.5H14Cl2NO2	-	5.3	-	-	P	P	15	-
		-	4.8	-					
		2.33	5.8	-					
		2.81	7.5	-					
		3.39	8.2	-					
	Responses: OV-101: TR8								
dimethachlor	C13H18ClNO2	0.71	1.11	0.71	C	-	-	-	-
	Responses: OV-101: NI30 OV-17: NI10 OV-225: NI20								
dimethametryn	C11H21N5S	-	-	-	C	-	-	-	-
	Responses:								
dimethenamid	C12H18ClNO2S	0.72	0.98	-	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI(WB)19/NP(WB)14								
dimethipin	C6H10O4S2	0.41	2.71	0.81	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FS0.5 OV-17: FS1.5 OV-225: FS2								
dimethoate	C5H12NO3PS2	0.4	1.6	0.62	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP(WB)0.7/NI(WB)6/NP1 OV-17: FP0.8/FP(WB)0.8/NI5								
dimethyl phthalate	C10H10O4	0.15	0.15	0.14	-	P	-	6+15+50	-
	Responses: OV-101: NI300								
dinitramine	C11H13F3N4O4	0.52	0.93	0.44	C	-	P	15	-
	Responses: OV-101: NI(WB)1/TI166 OV-17: NI1 OV-225: NI1								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
dinobuton	C14H18N2O7	1.4	-	1.32	C	-	-	-	-
	Responses: OV-101: HN(WB)1.5 OV-17: HN(WB)1/NP(WB)50								
dinocap*	C18H24N2O6	-	-	3.5	C	P	P	15	2
		4	-	3.9					
		4.3	6.9	4.4					
		4.8	7.7	4.8					
		5.1	9.5	5.6					
	Responses: OV-101: NI(WB)6 OV-17: NI150								
dinoseb methyl ether	C11H14N2O5	0.63	-	-	-	-	-	-	-
	Responses: OV-101: HN1/NI1.2								
dioxabenzofos	C8H9O3PS	0.34	-	0.36	C	P	-	15	-
	Responses: OV-17: FP0.7								
dioxacarb	C11H13NO4	-	-	-	C	-	-	-	-
	Responses:								
dioxathion	C12H26O6P2S4	0.47	-	0.5	V	NR	-	6-15-50	2
	Responses: OV-101: NI100/TI10 OV-17: FP7/FP(WB)13								
diphenamid	C16H17NO	1.1	-	1.55	V	NR	-	6-15	-
	Responses: OV-17: NP(WB)25								
diphenylamine	C12H11N	0.29	-	0.25	C	S	-	6+15	-
	Responses:								
disul-Na	C8H7Cl2O5S•Na	0.23	-	-	-	-	-	-	-
	Responses: OV-101: NI3								
disulfoton	C8H19O2PS3	0.54	0.6	0.46	C	P #	NR	6	1-2-3
	Responses: OV-101: TI2 OV-17: FP1								
disulfoton sulfone	C8H19O4PS3	1.5	6.7	2.39	C	NR	-	6-15-50	-
	Responses: OV-101: TI7 OV-17: FP7								
disulfoton sulfoxide	C8H1903PS3	-	-	-	C	-	-	-	-
	Responses:								
dithianon	C14H4O2N2S2	4.7	53	11.3	NR	-	-	-	-
	Responses: OV-101: NI(WB)12 OV-17: NP(WB)120								
diuron	C9H10Cl2N2O	0.11	0.09	0.11	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI(WB)9 OV-17: NI12 OV-225: NI27								
DNOC methyl ether	C8H8N2O5	0.35	-	-	-	-	-	-	-
	Responses: OV-101: HN(WB)30								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
edifenphos	C14H15O2PS2	2.87	6.3	5.3	C	-	-	-	-
	Responses: OV-101: FP(WB)4/NI(WB)4 OV-17: FP(WB)8								
endosulfan I	C9H6Cl6O3S	1.64	1.38	1.47	C	C	C	15	2
	Responses: OV-101: HX1/NI1.3 OV-17: HX1/NI2								
endosulfan II	C9H6Cl6O3S	2.21	3.9	2.77	C	C	C	15+50	2
	Responses: OV-101: HX2/NI2 OV-17: HX3/NI2								
endosulfan sulfate	C9H6Cl6O4S	2.83	8.3	4	C	C	C	50	2
	Responses: OV-101: HX4/TR5 OV-17: HX6/NI6								
endrin	C12H8Cl6O	2.13	2.22	2.29	C	C #	C #	15	2
	Responses: OV-101: TR2 OV-17: NI2								
endrin alcohol	C12H8Cl6O	2.55	-	-	-	P	C	15+50	2+3
	Responses: OV-101: TR4								
endrin aldehyde	C12H8Cl6O	2.35	-	-	C	P	C	15+50	-
	Responses: OV-101: TR4								
endrin ketone	C12H8Cl6O	3.6	10.3	-	-	C	C	50	2
	Responses: OV-101: TR5								
EPN	C14H14NO4PS	4.5	10.6	6.9	C	C	C	15	2
	Responses: OV-101: NI0.5/TI16 OV-17: FP50/NI9								
epoxyhexachloronorbornene	C7H2Cl6O	-	-	0.2	-	-	-	-	-
	Responses:								
EPTC	C9H19NOS	0.12	-	-	-	P	-	15	-
	Responses: OV-101: TI30								
esfenvalerate	C25H22ClNO3	22.5	-	-	C	C	C	15	2
	Responses: OV-101: NI90								
etaconazole*	C14H15Cl2N3O2	2.36	-	-	C	-	-	-	-
		2.43	-	3.17					
	Responses: OV-101: NP(WB)12 OV-17: HX7								
ethalfluralin	C13H14F3N3O4	0.34	0.27	0.19	C	C	C	6	2
	Responses: OV-101: HX4/HX(WB)7/NI1 OV-17: HX6 OV-225: NI0.4								
ethametsulfuron methyl ester*	C15H18N6O6S	0.35	2.85	0.4	-	NR	NR	6-15-50	1-2-3
		0.55	3.6	0.95					
	Responses: OV-101: HN(WB)17/NI(WB)34/NP(WB)600 OV-17: HN(WB)30 OV-225: NI(WB)780								

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Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
ethephon	C2H6ClO3P	3.03	2.74	2.88	NR		-	6+15+50	1+2+3
	Responses: OV-101: NI170								
ethiofencarb	C10H15NO2S	0.6	1.4	0.78	C	NR	NR	6-15-50	-
	Responses: OV-101: FP20/FP400/FS1.5/HN(WB)3.5/NI950/NP(WB)4 OV-17: NP133								
ethiolate	C7H15NOS	0.06	-	-	C	-	-	-	-
	Responses: OV-101: FS9								
ethion	C9H22O4P2S4	2.56	3.93	3.36	C	C	C	6	2
	Responses: OV-101: FP(WB)1.9/NI(WB)3/NP2 OV-17: FP4/FP(WB)2.3/NI8 OV-225: FP2/NI8								
ethion oxygen analog	C9H22O5P2S3	1.88	4.1	-	C	-	-	-	-
	Responses: OV-101: NP1								
ethofumesate	C13H18O5S	0.86	1.93	1.02	C	-	-	-	-
	Responses: OV-101: FS32/NI315 OV-17: FS65/NI333 OV-225: FS56/NI638								
ethoprop	C8H19O2PS2	0.33	0.31	0.25	C	P #	S #	50	1-2-3
	Responses: OV-101: FP0.7/TI0.8 OV-17: FP1								
ethoxyquin	C14H19N0	0.6	1.64	0.7	C	NR	NR	6-15-50	-
	Responses: OV-101: NI20/NP15 OV-17: NI12/NP15 OV-225: NI30								
ethyl p-toluene sulfonamide	C9H13NO2S	-	-	-	C	-	-	-	-
	Responses:								
ethylenethiourea	C3H6N2S	0.5	2.33	0.66	S	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI2200/NP23 OV-17: NI4500/NP64 OV-225: NI6250								
etridiazole	C5H5Cl3N2OS	0.18	0.12	0.21	C	C	P	6	2
	Responses: OV-101: NI0.3/NP0.6 OV-17: HX(WB)0.8/NI0.4/NP0.5 OV-225: NI0.2								
etrimfos	C10H17N2O4PS	0.58	0.59	0.51	C	C	C	15	2+3
	Responses: OV-101: FP2/NI50 OV-17: NI50 OV-225: NI30								
etrimfos oxygen analog	C10H17N2O5P	0.51	0.8	0.63	C	-	-	-	-
	Responses: OV-101: FP7/NI1000/NP(WB)3.5								
famphur	C10H16NO5PS2	2.65	14	5	C	NR	-	6-15-50	-
	Responses: OV-101: FP8/TI40 OV-17: FP50/FP(WB)7								
famphur oxygen analog	C10H16NO6PS	2.26	-	4.4	C	-	-	-	-
	Responses: OV-101: FP54 OV-17: FP(WB)12								
fenac	C8H5Cl3O2	1.42	3.7	-	-	NR	NR	6-15-50	-
	Responses: OV-101: NI2800								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
fenac methyl ester	C9H7Cl3O2	0.32	-	-	-	-	-	-	-
	Responses: OV-101: NI0.4								
fenamiphos	C13H22NO3PS	1.66	3.7	2.41	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP8/NP8 OV-17: FP10/NP3 OV-225: NP6								
fenamiphos sulfone	C13H22NO5PS	4.5	-	8.4	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP50/NP20 OV-17: FP(WB)20/NP60								
fenamiphos sulfoxide	C13H22N04PS	5.2	-	8.1	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP50/NP55 OV-17: FP(WB)28/NP45								
fenarimol	C17H12Cl2N2O	6.6	-	10.1	C	P #	C #	50	3
	Responses: OV-101: HX10/NI5								
fenarimol metabolite B	C17H14N2OCl2	4.6	-	-	NR	NR	NR	6-15-50	-
	Responses: OV-101: HX19								
fenarimol metabolite C	C17H14N2OCl2	4.6	-	-	S		-	6	-
	Responses: OV-101: HX8								
fenbuconazole	C19H17ClN4	9.8	-	-	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI1000/NP70								
fenfuram	C12H11NO2	0.54	1.47	0.62	C	-	-	-	-
	Responses: OV-101: NP5/NP(WB)6								
fenhexamid	C14H17Cl2NO2	3.1	-	3.7	NR	NR	NR	6-15-50	1-2-3
	Responses:OV-101:NI(WB)2/NP(WB)220 OV-17:NI(WB)5								
fenitrothion	C9H12NO5PS	0.84	1.82	1.05	C	C	C	15	2
	Responses: OV-101: FP(WB)1/NP1 OV-17: FP3/FP(WB)1.1								
fenitrothion oxygen analog	C9H12NO6P	0.72	-	0.83	C	-	-	-	-
	Responses: OV-101: FP3 OV-17: FP10								
fenoxaprop ethyl ester	C18H16NO5Cl	8.1	11.3	10.5	S	V	V	50	3
	Responses: OV-101: NI250								
fenoxycarb	C17H19NO4	5	-	7.3	C	-	-	-	-
	Responses: OV-101: NP50 OV-17: NP50								
fenpropathrin	C22H23NO3	4.8	7	5.7	-	V #	V	15	2
	Responses: OV-101: NI7/NI(WB)0.2/NP30 OV-17: NI13 OV-225: NI10								
fenpropimorph	C20H33NO	1.09	-	0.62	C		-	50	1-2-3
	Responses: OV-101: NP33 OV-17: NP14								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
fenson	C12H10O3ClS	-	2.03	-	-	-	-	-	-
	Responses: OV-225: NI1.5								
fensulfothion	C11H17O4PS2	2.4	-	3.8	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: TI12 OV-17: FP6/FP(WB)7								
fensulfothion oxygen analog	C11H17O5PS	2.49	-	5	C	NR	-	6-15-50	-
	Responses: OV-101: TI10 OV-17: FP5								
fensulfothion oxygen analog sulfone	C11H17O7PS2	1.99	-	3.8	-	-	-	-	-
	Responses: OV-101: TI45 OV-17: FP6								
fensulfothion sulfone	C11H17O5PS2	2.8	-	3.6	C	NR	-	6-15-50	-
	Responses: OV-101: NI9/NP7 OV-17: FP100								
fenthion	C10H15O3PS2	0.96	1.46	1.18	C	S #	NR	6+15	1-2-3
	Responses: OV-101: FP2/TI4 OV-17: FP3								
fenthion oxygen analog	C10H15O4PS	0.78	-	1.12	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP7 OV-17: FP9								
fenthion oxygen analog sulfone*	C10H15O6PS2	1.77	-	-	-	-	-	-	-
		2.29	-	4.1					
	Responses: OV-101: FP(WB)4 OV-17: FP(WB)8								
fenthion oxygen analog sulfoxide	C10H15O5PS	0.43	-	0.62	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP100 OV-17: FP135								
fenthion sulfone	C10H15O5PS2	2.39	-	4.7	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP22 OV-17: FP20								
fenvalerate*	C25H22ClNO3	20.3	44	35	C	C	C	15	2
		22.5	51	40					
	Responses: OV-101: NI90								
fipronil	C12H4Cl2F6N4OS	1.35	8.7	1.16	S	S	V	50	3
	Responses: OV-101: NI2/NP10 OV-17: NI1/NP5 OV-225: NI10								
flamprop-M-isopropyl	C19H19ClFNO3	2.46	-	2.81	C	-	-	-	-
	Responses: OV-101: HX9/NI9								
flamprop-methyl	C17H15ClFNO3	1.94	-	2.45	C	-	-	-	-
	Responses: OV-101: HX8/NI7								
fluazifop butyl ester	C19H20F3NO4	2.3	2.36	2.31	C	C	V	15	3
	Responses: OV-101: HX19/HX(WB)18/NI125 OV-17: HX40 OV-225: NI3000								
fluchloralin	C12H13ClF3N3O4	0.53	0.76	0.37	C	C	-	6	2
	Responses: OV-101: HX3/NI1.5 OV-17: HX3/NI0.5								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
flucythrinate*	C26H23F2NO4	14.7 16.1	36.9 42	21.4 24	C	C	-	15	2+3
	Responses: OV-101: NI40/NI(WB)15								
flumetsulam, methylated	C13H11F2N5O2S	12.4	-	-	-	-	-	-	-
	Responses: OV-101: NP(WB)14								
fluometuron	C10H11F3N2O	-	-	0.14	-	-	-	-	-
	Responses: OV-17: NP2								
fluridone	C19H14F3NO	16.3	24	-	-	NR	NR	6-15-50	-
	Responses: OV-101: HX400/NI1500								
fluroxypyr, methylated*	C8H7O3N2Cl2F	0.61 0.79	- -	- -	-	-	-	-	-
	Responses: OV-101: NI2								
flusilazole	C16H15F2N3Si	1.97	-	2.33	C	-	-	-	-
	Responses: OV-101: NP(WB)5 OV-17: HX24/HX(WB)5/NP(WB)6								
fluvalinate*	C26H22ClF3N2O3	- 25	56 59	35 38	C	C	-	15	2
	Responses:								
FMTU	C10H9F3N2O2	-	-	-	-	-	-	-	-
	Responses:								
folpet	C9H4Cl3O2NS	1.23	3.01	1.94	C	C	P	15+50	2+3
	Responses: OV-101: NI(WB)1 OV-17: NI9								
fonofos	C10H15OPS2	0.52	0.56	0.44	C	C	C	6	2+3
	Responses: OV-101: TI2 OV-17: FP0.7								
fonofos oxygen analog	C10H15O2PS	0.39	0.53	0.38	V	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NP1 OV-17: FP4/FP(WB)1								
formetanate hydrochloride	C11H16ClN3O2	0.9	-	0.45	-	-	-	-	-
	Responses: OV-101: NP400 OV-17: NP430								
formothion	C6H12NO4PS2	-	-	0.91	C	NR	NR	6-15-50	1-2-3
	Responses: OV-17: FP(WB)10								
fosthiazate	C9H18NO3PS2	1.08	3	1.66	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP100/NI1000/NP40 OV-17: FP10/NI120/NP7 OV-225: FP15/NI300								
fuberidazole	C11H8N2O	0.71	-	0.95	C	-	-	-	-
	Responses: OV-101: HN(WB)0.5/NP(WB)3 OV-17: NP5.5								

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Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
furilazole	C11H13Cl2NO3	0.46	0.6	0.39	C	S	-	50	3
	Responses: OV-101: NI1.5/NP50 OV-17: NI1/NP1.8 OV-225: NI1.6								
G-27550	C8H12N2O	0.28	-	0.29	C	-	-	-	-
	Responses: OV-101: NP3 OV-17: NP3								
Gardona	C10H9Cl4O4P	1.58	2.72	1.97	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP9/TI8 OV-17: FP10/FP(WB)3								
GS-31144	C8H12N2O2	-	-	-	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI220/NP100 OV-17: NI750/NP100								
haloxyfop methyl ester	C16H13ClF3NO4	1.55	-	1.4	-	-	-	-	-
	Responses: OV-101: HX(WB)9/NI5 OV-17: HX(WB)6/NI4.5								
heptachlor	C10H5Cl7	0.83	0.52	0.6	C	C	C	6	1
	Responses: OV-101: NI0.6 OV-17: NI0.4								
heptachlor epoxide	C10H5Cl7O	1.29	1.22	1.15	C	C	C	6	2
	Responses: OV-101: HX0.7/TR1 OV-17: HX0.9/NI2								
heptachloronorbornene	C7H3Cl7	-	-	0.23	-	-	-	-	-
	Responses: OV-17: NI0.2								
heptenophos	C9H12ClO4P	-	-	-	C	-	-	-	-
	Responses:								
hexachlorobenzene	C6Cl6	0.45	0.25	0.33	C	C	P	6	1
	Responses: OV-101: HX0.5/NI0.25 OV-17: HX0.3/NI0.3 OV-225: NI0.3								
hexachlorobutadiene	C4Cl6	-	-	0.04	-	V #	P	6	1
	Responses: OV-17: NI0.1								
hexachlorocyclopentadiene	C5Cl6	0.12	-	0.06	-	-	-	-	-
	Responses: OV-101: TR0.4 OV-17: NI0.8								
hexachloroethane	C2Cl6	-	-	0.02	-	-	-	-	-
	Responses: OV-17: NI0.1								
hexachloronorbornadiene	C7H2Cl6	-	-	0.12	-	-	-	-	-
	Responses: OV-17: NI0.2								
hexachlorophene	C13H6Cl6O2	13	13	16	-	NR	NR	6-15-50	-
	Responses: OV-101: NI(WB)2 OV-17: NI400 OV-225: NI1200								
hexachlorophene dimethyl ether	C15H10Cl6O2	9.7	-	-	-	NR	NR	6-15	-
	Responses: OV-101: TR7								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
hexaconazole	C14H17Cl2N3O	1.86	2.91	1.79	C	-	-	-	-
	Responses: OV-101: HX6/NI3 OV-17: NP(WB)23								
hexazinone	C12H20N4O2	2.91	-	-	P	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)3/NP(WB)15								
hexythiazox	C17H21ClN2O2S	1.28	-	2.41	-	S #	NR	50	2+3
	Responses: OV-101: NI(WB)70/NP(WB)90 OV-17: FS(WB)90/NI(WB)80/NP(WB)80								
HOE-030291	C17H16Cl2O5	7.9	10.8	12.6	-	-	-	-	-
	Responses: OV-101: NI20 OV-17: NI70 OV-225: NI20								
hydramethylnon*	C25H24F6N4	2.55	-	-	-	-	-	-	-
		32	4.5	-					
		44	53	-					
	Responses: OV-101: NI(V)250								
hydroxy chloroneb	C7H6Cl2O2	0.15	0.24	-	-	NR	-	6-15	-
	Responses: OV-101: TR7								
imazalil	C14H14Cl2N2O	1.76	4	2.08	C	NR	NR	6-15-50	-
	Responses: OV-101: NI30/NP(WB)12 OV-17: HX19/HX(WB)2/NI(WB)5/NP(WB)10								
imazamethabenz methyl ester*	C16H20N2O3	-	-	2.44	C	-	-	-	-
		1.79	3.5	2.76					
	Responses: OV-101: HX540/HX(WB)50/NI45/NP(WB)40 OV-17: HX60								
imazethapyr ammonium salt methyl ester	C16H21N3O3	2.4	4.3	3	-	-	-	-	-
	Responses: OV-101: NI120/NP50 OV-17: NI120/NP70 OV-225: NI160								
imidacloprid	C9H10ClN5O2	1.84	-	-	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI200/NP50								
IN-A3928	C11H18N4O2	3.06	-	-	S	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)1.4/NP(WB)29								
IN-B2838	C10H15N3O3	0.7	-	0.8	P	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)0.6/NP(WB)23 OV-17: HN(WB)0.2/NP(WB)13								
IN-T3935	C11H18N4O3	4.7	-	-	S	-	-	-	-
	Responses: OV-101: HN(WB)73/NI(WB)230								
IN-T3936	C10H15N3O4	1.41	-	2.55	S	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)1.6/NP(WB)51 OV-17: HN(WB)1.2/NP(WB)53								
IN-T3937	C12H20N4O3	4.7	-	-	S	-	-	-	-
	Responses: OV-101: HN(WB)390/NI(WB)400								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
ioxynil methyl ether	C8H5I2NO	0.71	-	-	-	-	-	-	-
	Responses: OV-101: HN(WB)5/NI1								
iprobenfos	C13H21O3PS	0.6	-	0.54	C	-	-	-	-
	Responses: OV-101: FP(WB)1 OV-17: FP2								
iprodione metabolite isomer	C13H13Cl2N3O3	5.3	-	7.5	C	S	-	50	-
	Responses: OV-101: HX(WB)20/NI1000 OV-17: HX80								
iprodione*	C13H13Cl2N3O3	-	-	5.2	C	S #	NR	50	1-2-3
		4.2	18	6.3					
	Responses: OV-101: HX13/NI15/NP15 OV-17: HX20/NI35/NP200 OV-225: NI75								
isazofos	C9H17ClN3O3PS	0.55	0.8	0.63	C	C #	-	50	2+3
	Responses: OV-101: NI30/NP0.4 OV-17: FP(WB)1/NI10/NP0.2 OV-225: NI20								
isocarbamid	C8H15N3O2	0.44	-	0.82	C	-	-	-	-
	Responses: OV-101: HN(WB)0.2/NP(WB)0.5 OV-17: NP7								
isofenphos	C15H24NO4PS	1.36	1.73	1.38	C	C	-	15+50	-
	Responses: OV-101: FP2/NI20 OV-17: FP2								
isofenphos oxygen analog	C15H24NO5P	1.17	1.74	1.24	C	-	-	-	-
	Responses: OV-101: FP10 OV-17: FP7 OV-225: FP5								
isopropalin	C15H23N3O4	1.14	1.24	1.01	C	C	-	6	-
	Responses: OV-101: NI2/NP3 OV-17: NI3/NP15 OV-225: NI2								
isoprothiolane	C12H18O4S2	1.6	4.1	3.17	C	-	-	-	-
	Responses: OV-101: FS(WB)10/NI(WB)3								
isoproturon	C12H18N2O	-	-	0.89	S	-	-	-	-
	Responses: OV-17: NP(WB)10								
isoxaflutole (prop)	C15H12SNO4F3	1.11	4.7	1.33	NR	V #	S #	50	3
	Responses: OV-101: NI40/NP100 OV-17: NI40/NP200 OV-225: NI40								
jodfenphos	C8H8Cl2IO3PS	-	-	2.11	C	-	-	-	-
	Responses: OV-17: FP7								
kresoxim-methyl	C18H19NO4	2	3.02	3.38	P	C	C	15+50	3
	Responses: OV-101: NI(WB)10/NP(WB)50 OV-17: NI(WB)15/NP(WB)40 OV-225: NI(WB)10								
KWG 1323	C14H16ClN3O3	0.99	1.91	0.96	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI3/NP35 OV-17: NI1/NP5 OV-225: NI3/NP65								
KWG 1342	C14H18ClN3O3	4	15	4.2	-	-	-	-	-
	Responses: OV-101: NI1000/NP1000 OV-17: NI200/NP50 OV-225: NP1000								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
lactofen	C19H15ClF3NO7	7.3	-	-	-	-	C	50	2+3
	Responses: OV-101: NI10								
lambda-cyhalothrin	C23H19ClF3NO3	7.4	-	8	C	-	-	-	-
	Responses: OV-101: NI10 OV-17: HX30								
leptophos	C13H10BrCl2O2PS	5.8	7.7	8.5	C	C	C	6	2
	Responses: OV-101: FP14/TI20/TR11 OV-17: FP(WB)15/NI12								
leptophos oxygen analog	C13H10BrCl2O3P	4.2	7.6	6.5	C	-	-	-	-
	Responses: OV-101: FP60/TI65								
leptophos photoproduct	C13H11Cl2O2PS	2.38	3.24	3.14	C	-	-	-	-
	Responses: OV-101: NI(WB)2/TI5 OV-17: NI5 OV-225: NI5								
lindane	C6H6Cl6	0.48	0.69	0.47	C	C	C	6	1
	Responses: OV-101: HX0.6/TR0.5 OV-17: NI0.4								
linuron	C9H10Cl2N2O2	0.85	2.13	0.95	V	V #	V	50	3
	Responses: OV-101: TR28								
malathion	C10H19O6PS2	0.91	1.49	1.05	C	C	C	15+50	3
	Responses: OV-101: NI(WB)7/NP1 OV-17: FP3/NI7 OV-225: NI44								
malathion oxygen analog	C10H19O7PS	0.68	1.55	0.87	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: TI7 OV-17: FP5								
MB45950	C12H4SN4F6Cl2	1.25	8	1.09	S	P	V	15+50	2+3
	Responses: OV-101: NI2/NP8 OV-17: NI1/NP6 OV-225: NI6								
MB46136	C12H4SO2N4F6Cl2	2.06	31	1.98	S	S	V	50	2+3
	Responses: OV-101: NI2/NP30 OV-17: NI2/NP10 OV-225: NI30								
MCPA methyl ester	C10H11ClO3	0.19	-	-	-	-	-	-	-
	Responses: OV-101: HX(WB)2/NI600								
mecarbam	C10H20NO5PS2	1.28	2.67	1.58	C		-	50	-
	Responses: OV-101: FP(WB)1.7/NI5 OV-17: FP3/FP(WB)1.9 OV-225: HN4								
mecoprop methyl ester	C11H13ClO3	0.19	-	-	-	-	-	-	-
	Responses: OV-101: HX(WB)2/NI30								
melamine	C3H6N6	0.42	-	0.42	NR	-	-	-	-
	Responses: OV-101: NP100 OV-17: NP9								
mephosfolan	C8H16NO3PS2	-	-	2.51	C	-	-	-	-
	Responses: OV-17: FP3								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
merphos*	C12H27PS3	1.34 1.95	0.65 1.64	1.43 1.88	-	C	C	6+15+50	3
	Responses: OV-101: FP3/TI5 OV-17: FP25								
metalaxyl	C15H21NO4	0.81	-	0.9	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HX1000/NI1000/NP7 OV-17: NI1000/NP50								
metamitron	C10H10N4O	2.24	-	-	-	-	-	-	-
	Responses: OV-101: NI20								
metasystox thiol	C6H15O3PS2	0.28	0.49	0.32	C	-	-	-	-
	Responses: OV-101: FP(WB)8 OV-17: FP(WB)0.8								
metasystox thiono*	C6H15O3PS2	- 0.31	- 0.49	0.18 0.32	-	-	-	-	-
	Responses: OV-101: FP6 OV-17: FP(WB)2								
metazachlor	C14H16ClN3O	1.5	-	1.46	C	-	-	-	-
	Responses: OV-101: NI34 OV-17: HX5/NP4								
methabenzthiazuron	C10H11N3OS	0.35	0.7	0.41	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)0.5/NI320/NP15 OV-17: NP24 OV-225: NI2550								
methamidophos	C2H8NO2PS	0.07	0.25	0.09	V	-	-	-	-
	Responses: OV-101: FP(WB)0.7 OV-17: FP1/FP(WB)0.6 OV-225: FP4								
methazole	C9H6Cl2N2O3	0.97	1.46	-	-	-	-	-	-
	Responses: OV-101: HX13/NI40								
methidathion	C6H11N2O4PS3	1.4	3.33	2.28	C	S	P #	50	3
	Responses: OV-101: FP5/FP(WB)1.6/NP3 OV-17: FP(WB)2.4/NI10 OV-225: NI50								
methidathion oxygen analog	C6H11N2O5PS2	1.07	-	1.8	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI100/NP40 OV-17: FP125/NI200/NP40								
methidathion sulfone	C5H8N2O3S2	0.56	2.29	0.82	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI150/NP100 OV-17: NI200/NP35 OV-225: NI400								
methidathion sulfoxide	C5H8N2O4S2	0.45	2.25	0.71	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI8/NP35 OV-17: NI8/NP10 OV-225: NI30								
methiocarb	C11H15NO2S	0.88	-	-	C	-	-	-	-
	Responses:								
methiocarb sulfone	C11H15NO4S	0.8	-	1.17	S	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI200/NP200								
methomyl	C5H10N2O2S	0.1	-	-	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI220								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
methoprotryne	C11H21N5OS	2.07	-	2.92	C	-	-	-	-
	Responses: OV-101: NP189 OV-17: NP(WB)8								
methoxychlor olefin	C16H14Cl2O2	2.97	3.7	4.2	C	C	C	6	2
	Responses: OV-101: NI(WB)8 OV-17: NI10 OV-225: NI9								
methoxychlor, o, p'-	C16H15Cl3O2	3.3	4.5	5	-	C	-	6	-
	Responses: OV-101: NI(WB)2 OV-17: NI9 OV-225: NI23								
methoxychlor, p, p'-	C16H15Cl3O2	4.7	7.2	7.2	C	C	C	6	2
	Responses: OV-101: TR9 OV-17: NI7								
methyl 2,3,5-triiodobenzoate	C8H5I3O2	2.28	-	-	-	-	-	-	-
	Responses: OV-101: NI1.5								
methyl 2,3,6-trichlorobenzoate	C8H5Cl3O2	0.23	0.21	0.18	-	-	-	-	-
	Responses: OV-101: TR0.6 OV-17: NI0.3								
methyl 3,5-dibromo-4-methoxy= benzoate	C9H8Br2O3	0.56	0.49	0.47	-	-	-	-	-
	Responses: OV-101: NI(WB)2 OV-17: NI(WB)1 OV-225: NI(WB)1.5								
methyl 4-chloro-1H-indole-3-acetate	C11H10ClNO2	1.17	-	-	R	R #	NR	50	1-2-3
	Responses: OV-101: MC25/NI200								
metobromuron	C9H11BrN2O2	0.67	1.44	0.69	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HX8/NI5 OV-17: HX10								
metolachlor	C15H22ClNO2	1.03	1.21	0.93	C	S #	NR	50	1-2-3
	Responses: OV-101: HX5/NI12 OV-17: HX7 OV-225: NI9								
metolcarb	C9H11NO2	0.17	-	-	C	-	-	-	-
	Responses:								
metoxuron	C10H13ClN2O2	-	-	0.18	V	NR	NR	6-15-50	1-2-3
	Responses: OV-17: HX25								
metribuzin	C8H14N4OS	0.57	1.47	0.91	V	NR	NR	50	1-2-3
	Responses: OV-101: NI0.5/NP2 OV-17: NI0.4/NP11 OV-225: NI0.7								
metribuzin, deaminated diketo metabolite*	C7H11N3O2	0.5 0.73	0.79 1.29	0.44 0.52	NR	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI75 OV-17: NI150 OV-225: NI160								
metribuzin, deaminated metabolite	C8H13N3OS	0.83	3.77	1.06	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI60/NP45 OV-17: NI10/NP125 OV-225: NI60								
metribuzin, diketo metabolite	C7H12N4O2	0.56	1.41	0.55	NR	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI35/NP40 OV-17: NI6/NP20 OV-225: NI15								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
mevinphos, (E)-	C7H13O6P	0.16	-	0.13	C	NR	NR	6-15-50	-
	Responses: OV-101: FP2 OV-17: FP2								
mevinphos, (Z)-	C7H13O6P	0.13	-	0.15	C	NR	-	6-15-50	-
	Responses: OV-101: FP2/FP(WB)1 OV-17: FP2/FP(WB)0.6								
MGK 264	C17H25NO2	1.6	-	-	-	-	-	-	-
	Responses:								
mirex	C10Cl12	5.8	2.95	5.6	P	C	P	6	1
	Responses: OV-101: NI7 OV-17: NI4								
mirex, 5,10-dihydro-*	C10H2Cl10	2.14	-	-	-	-	-	-	-
		2.47	-	-					
		3.21	-	-					
		4.3	-	-					
	Responses: OV-101: NI100								
molinate	C9H17NOS	-	0.19	-	-	-	-	-	-
	Responses:								
monocrotophos	C7H14NO5P	0.31	1.6	0.5	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP(WB)0.7/TI15 OV-17: FP2/FP(WB)0.8 OV-225: FP3								
monolinuron	C9H11ClN2O2	0.48	0.91	0.48	C	-	-	-	-
	Responses: OV-101: HX4 OV-17: HX18 OV-225: NI180								
monuron	C9H11ClN2O	0.1	-	-	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: TR175								
myclobutanil	C15H17ClN4	1.9	7.2	2.6	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)0.7/NI25/NP(WB)7 OV-17: HX10/HX(WB)4/NI(WB)21/NP75/NP(WB)6								
myclobutanil alcohol metabolite	C15H17ClN4O	3.6	37.1	7.5	S	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI60 OV-17: NP375								
myclobutanil dihydroxy metabolite	C15H17N4O2Cl	6.5	-	11.5	NR	NR	NR	6-15-50	1-2-3
	Responses: OV-17: NI1000/NP1000								
N, N-diallyl dichloroacetamide	C8H11Cl2NO	0.19	0.22	0.14	C	S	S	15+50	2+3
	Responses: OV-101: HX1/NI1/NP1 OV-17: NI1 OV-225: NI1								
N-(3,4-dichlorophenyl)-N'-methyl= urea	C8H8Cl2N2O	0.17	0.14	0.1	-	NR	NR	6-15-50	-
	Responses: OV-101: HX20/NI9 OV-17: NI5 OV-225: NI12								
n-acetyl nitrofen	C14H11Cl2NO2	6.6	-	-	-	-	-	-	-
	Responses: OV-101: TR500								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
naled	C4H7Br2Cl2O4P	0.34	-	0.32	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NP11 OV-17: FP20/NI8								
napropamide	C17H20NO2	1.7	-	2.12	C	-	-	-	-
	Responses: OV-101: NP40								
neburon	C12H16Cl2N2O	0.11	-	-	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: TR25								
nitralin	C13H19N3O6S	3.8	24	6.3	C	P	P	50	3
	Responses: OV-101: NI(WB)1 OV-17: NI7 OV-225: NI21								
nitrapyrin	C6H3Cl4N	0.2	0.18	0.2	C	C	V	6	2
	Responses: OV-101: HX2/NI(WB)0.8/NP(WB)4 OV-17: HX(WB)0.6 OV-225: NI0.9								
nitrofen	C12H7Cl2NO3	2.03	3.8	2.71	C	C	C	15	2
	Responses: OV-101: NI(WB)1 OV-17: NI3 OV-225: NI3								
nitrofluorfen	C13H7ClF3NO3	0.96	1.45	0.86	C	C	C	15	2
	Responses: OV-101: HX5/NI1 OV-17: HX3 OV-225: NI1.5								
nitrothal-isopropyl	C14H17O6N	1.1	-	0.68	C	-	-	-	-
	Responses: OV-101: NI(WB)2 OV-17: NP(WB)65								
nonachlor, cis-	C10H5Cl9	2.52	3.33	2.61	C	C	C	6	1
	Responses: OV-101: HX1/NI2 OV-17: NI2 OV-225: NI3								
nonachlor, trans-	C10H5Cl9	1.75	1.45	1.42	C	C	C	6	1
	Responses: OV-101: TR2 OV-17: HX0.4/NI0.8								
norea	C13H15N2O	-	-	1.05	C	-	-	-	-
	Responses: OV-17: NP(WB)8								
norflurazon	C12H9ClF3N3O	4.5	-	5.01	V	NR	NR	6-15-50	-
	Responses: OV-101: HX50 OV-17: NP(WB)10								
NTN33823	C9H11N4Cl	3	-	1.18	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NP300 OV-17: NP1000								
NTN35884*	C9H9N5O2Cl	1.59	-	-	-	NR	NR	6-15-50	1-2-3
		5	-	-					
	Responses: OV-101: NI550/NP210								
nuarimol	C17H12ClFN2O	3.36	7.3	4.8	C	NR	C #	50	1-2-3
	Responses: OV-101: NI5 OV-17: HX4								
octachlor epoxide	C10H4Cl8O	1.33	0.94	1.05	C	C	C	6	1
	Responses: OV-101: TR1 OV-17: NI0.6								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
octachlorocyclopentane	C5Cl8	-	-	0.22	-	-	-	-	-
	Responses: OV-17: NI0.2								
octhilinone	C11H19NOS	0.66	-	0.64	C	-	-	-	-
	Responses: OV-101: FS4								
ofurace	C14H16NO3Cl	2.62	18.6	5.4	C	-	-	-	-
	Responses: OV-101: HX17 OV-17: HX51 OV-225: NI44								
omethoate	C5H12NO4PS	0.25	1.11	0.39	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP(WB)0.9/TI25 OV-17: FP5/FP(WB)1.1 OV-225: FP5								
oryzalin	C12H8N4O6S	4.7	-	-	-	NR	NR	6-15-50	-
	Responses: OV-101: NI8800								
ovex	C12H8Cl2O3S	1.61	3.04	2.2	C	C	C	15	2
	Responses: OV-101: HX4/TR3 OV-17: HX5 OV-225: NI3								
oxadiazon	C15H18Cl2N2O3	1.97	2.48	1.96	C	C	P	15	-
	Responses: OV-101: HX4/NI4 OV-17: NI2								
oxadixyl	C14H18N2O4	2.5	14	5	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI1700/NP8 OV-17: NP14 OV-225: NI4500								
oxamyl	C7H13N3O3S	-	-	-	-	-	-	-	-
	Responses:								
oxamyl oxime metabolite	C5H10N2O2S	0.25	0.92	0.28	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)0.5/NI(WB)4/NP(WB)4 OV-17: HN(WB)0.4/NI(WB)3/NP(WB)3 OV-225: NI(WB)13								
oxycarboxin	C12H13NO4S	3.28	-	9.4	R	-	-	-	-
	Responses: OV-101: FS(WB)17/HN(WB)3/NP(WB)130 OV-17: HN(WB)4								
oxydemeton-methyl	C6H15O4PS2	0.46	0.49	0.31	C	-	-	-	-
	Responses: OV-17: FP(WB)4								
oxydemeton-methyl sulfone	C6H15O5PS2	0.72	-	1.48	C	-	-	-	-
	Responses: OV-101: FP(WB)2 OV-17: FP(WB)3								
oxydeprofos	C7H17O4SP	-	-	-	-	-	-	-	-
	Responses:								
oxyfluorfen	C15H11ClF3NO4	2	4	2.16	C	C	C	15	2
	Responses: OV-101: NI5 OV-17: HX9/NI2/NP350								
oxythioquinox	C10H6N2OS2	1.57	-	1.85	C	-	-	-	-
	Responses: OV-101: NI(WB)1								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
paclobutrazol	C15H20ClN3O	1.52	-	1.59	C	-	-	-	-
	Responses: OV-101: NP(WB)6 OV-17: HX7/HX(WB)3/NI(WB)85/NP(WB)5								
parathion	C10H14NO5PS	0.98	1.91	1.07	C	C	C	15	2
	Responses: OV-101: NI(WB)4/NP2 OV-17: FP2/NI4 OV-225: FP2/NI6								
parathion oxygen analog	C10H14NO6P	0.8	-	0.86	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI(WB)5/NP3 OV-17: FP4/NI15								
parathion-methyl	C8H10NO5PS	0.71	1.64	0.87	C	C	C	15	2
	Responses: OV-101: FP(WB)0.9/NI(WB)3/NP1.5 OV-17: FP2/FP(WB)1/NI3 OV-225: FP1/NI11								
parathion-methyl oxygen analog	C8H10NO6P	0.55	1.71	0.66	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: TI5/TR11 OV-17: FP10								
PB-7, methylated	C20H25ClN2O3S	23	57	43	-	-	-	-	-
	Responses: OV-101: NI150/NP300 OV-17: NI200/NP500 OV-225: NI300								
PB-9	C19H25ClN2O2S	25	87	46	V	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI300/NP500 OV-17: NI250/NP750 OV-225: NI500								
pebulate	C10H21NOS	0.17	-	0.1	C	P	-	15	-
	Responses: OV-101: HN(WB)0.4/NP7 OV-17: NP6								
penconazole	C13H15Cl2N3	1.24	-	1.32	C	-	-	-	-
	Responses: OV-101: NP(WB)3 OV-17: HX3/HX(WB)2/NI(WB)2/NP(WB)3								
pendimethalin	C13H19N3O4	1.22	1.48	1.21	C	C	P	15	2
	Responses: OV-101: NI3/NP5 OV-17: NI1.5/NP6 OV-225: NI3								
pentachloroaniline	C6H2Cl5N	0.67	0.79	0.66	C	C	C	6	1
	Responses: OV-101: HX0.5/NI0.4/NP10 OV-17: NI0.6/NP10 OV-225: NI0.5								
pentachlorobenzene	C6HCl5	0.24	0.13	0.16	C	C	C	6	1
	Responses: OV-101: HX0.3/NI0.25 OV-17: NI0.3 OV-225: NI0.25								
pentachlorobenzonitrile	C7Cl5N	0.5	0.59	0.45	C	C	P	15	2
	Responses: OV-101: NI0.5 OV-17: NI3								
pentachlorophenyl methyl ether	C7H3Cl5O	0.46	0.3	0.34	C	C	C	6	1
	Responses: OV-101: HX0.4/TR0.4 OV-17: NI0.3								
pentachlorophenyl methyl sulfide	C7H3Cl5S	0.94	0.69	0.87	C	C	C	6	1
	Responses: OV-101: HX0.7/NI0.4 OV-17: NI3 OV-225: NI0.5								
permethrin, cis-	C21H20Cl2O3	9.4	11.1	13.8	C	V #	C	6+15	2
	Responses: OV-101: NI75								

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Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
permethrin, trans-	C21H20Cl2O3	10.2	13	15	C	V #	C	6+15	2
	Responses: OV-101: NI100								
Perthane	C18H2OCl2	2.23	2.01	2.42	C	C	C	6	1
	Responses: OV-101: TR150 OV-17: NI25								
Perthane olefin	C18H19Cl	1.53	0.95	-	-	C	C	6	1
	Responses: OV-101: TR40								
phenmedipham	C16H16N2O4	0.32	-	0.41	-	-	-	-	-
	Responses: OV-101: HN(WB)1.5 OV-17: NP40								
phenothiazine	C12H9NS	1.16	-	1.56	-	-	-	-	-
	Responses: OV-101: HN(WB)1.4 OV-17: NP4								
phenothrin*	C23H26O3	5.4 11.5	4.8 10.9	6.5 15	-	-	-	-	-
	Responses: OV-101: NI500/NI(WB)40								
phenthoate	C12H17O4PS2	1.31	2.05	1.83	C	C	-	15+50	-
	Responses: OV-101: FP(WB)2/NI5/TI3 OV-17: FP2/FP(WB)2.6/NI5								
phorate	C7H17O2PS3	0.37	0.38	0.32	C	V #	V #	6	1
	Responses: OV-101: FP1/NI(WB)24/TI1 OV-17: FP0.5/NI14 OV-225: FP0.5/NI17								
phorate oxygen analog	C7H17O3PS2	0.3	0.37	0.29	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI400/TI2 OV-17: FP1 OV-225: FP0.5								
phorate oxygen analog sulfone	C7H17O5PS2	0.66	-	1.02	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP1/TI10 OV-17: FP6								
phorate oxygen analog sulfoxide	C7H17O4PS2	0.78	-	1.06	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI300 OV-17: FP40								
phorate sulfone	C7H17O4PS3	0.97	3.26	1.3	C	S #	S #	6-15-50	3
	Responses: OV-101: NI4/TI4 OV-17: FP2								
phorate sulfoxide	C7H17O3PS3	0.89	2.55	1.26	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP5/NI8/NP4 OV-17: FP6								
phosalone	C12H15ClNO4PS2	5.5	5.5	9.1	C	C	C	50	2+3
	Responses: OV-101: NP10/TR15 OV-17: NI12								
phosalone oxygen analog	C12H15ClNO5PS	3.8	-	6.2	C	-	-	-	-
	Responses: OV-101: FP600/FP(WB)8/NI160 OV-17: FP(WB)12								
phosfolan	C7H14NO3PS2	-	-	2.69	C	-	-	-	-
	Responses: OV-17: FP5								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
phosmet	C11H12O4NPS2	4	14.9	8.4	C	NR	-	6-15-50	3
	Responses: OV-101: NI(WB)2/NP19 OV-17: FP50/NI78 OV-225: FP50								
phosmet oxygen analog*	C11H12NO5PS	0.5	0.53	0.24	-	NR	NR	6-15-50	-
		2	0.93	0.44					
		3.1	14.8	7.1					
	Responses: OV-101: NI900/NP100 OV-17: FP150 OV-225: NI600								
phosphamidon*	C10H19ClNO5P	0.53	-	0.57	C	NR	NR	6-15-50	1-2-3
		0.67	-	0.76					
	Responses: OV-101: FP10 OV-17: FP2								
photodieldrin	C12H8Cl6O	4.4	15.5	8.5	-	C	C	15+50	2
	Responses: OV-101: TR6 OV-17: NI5								
photodieldrin B	C13H9Cl5O	1.43	-	-	-	-	-	-	-
	Responses: OV-101: TR2								
phoxim oxygen analog	C12H15N204P	0.86	-	-	C	-	-	-	-
	Responses: OV-101: FP5								
picloram methyl ester	C7H5Cl3N2O2	0.75	2.67	-	-	-	-	-	-
	Responses: OV-101: HX(WB)1.2/NI1.5/TR1								
picloram*	C6H3Cl3N2O2	0.25	-	-	-	-	-	-	-
		0.67	-	-					
	Responses: OV-101: NI100								
piperophos	C14H28NO3PS2	4.8	9.7	6.8	C	-	-	-	-
	Responses: OV-101: FP15								
pirimicarb	C11H18N4O2	0.61	-	0.73	C	-	-	-	-
	Responses: OV-17: FP(WB)2								
pirimiphos-ethyl	C13H24N3O3PS	1.14	1.03	1.14	C	C	C	15+50	3
	Responses: OV-101: FP2/TI4/TR150 OV-17: FP3/NI4								
pirimiphos-ethyl oxygen analog	C13H24N3O4P	1.01	-	1.14	C	-	-	-	-
	Responses: OV-101: FP4/FP(WB)1.6 OV-17: FP(WB)2.4								
pirimiphos-methyl	C11H20N3O3PS	0.87	-	0.92	C	C	C	15	3
	Responses: OV-101: FP2/FP(WB)1.2/NI100/NP2 OV-17: FP2/FP(WB)1.2								
PP 890	C9H10O2ClF3	1.05	1	-	-	-	-	-	-
	Responses: OV-101: NI220 OV-225: NI150								
PPG-1576	C19H17ClF3NO5	6.7	-	-	-	-	P	50	2+3
	Responses: OV-101: NI13								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
PPG-2597	C20H17ClF3NO6	1.9	3.16	1.86	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)58/HX(WB)110/NI(WB)85/NP(WB)150 OV-17: HN(WB)120/HX(WB)66/NI(WB)78 OV-225: NI(WB)120								
PPG-847, methylated	C15H9ClF3NO3	2.15	5	2.4	-	-	-	-	-
	Responses: OV-101: HN(WB)3/HX(WB)10/NI(WB)3/NP(WB)34 OV-17: HN(WB)4/HX(WB)6.5/NI(WB)3/NP(WB)210 OV-225: NI(WB)4								
PPG-947	C17H11ClF3NO7	1.04	-	1.13	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)620/NI(WB)1000 OV-17: NI(WB)600								
PPG-947, methylated*	C18H13ClF3NO7	0.42 2.14	0.97 5	0.49 2.4	-	-	-	-	-
	Responses: OV-101: HN(WB)5/NI(WB)5/NP(WB)65 OV-17: HN(WB)5 OV-225: NI(WB)6								
pretilachlor	C17H26ClNO2	1.88	-	1.99	C	-	-	-	-
	Responses: OV-101: NI25 OV-17: HX10								
probenazole	C10H9NO3S	-	-	-	C	-	-	-	-
	Responses:								
prochloraz	C15H16Cl3N3O2	10.4	-	15.4	C	-	-	-	-
	Responses: OV-101: HX50/NI12								
procyazine	C10H13ClN6	1.5	7.9	-	C	-	-	-	-
	Responses:								
procymidone	C13H11Cl2NO2	1.37	3.04	1.49	C	C	P	15	-
	Responses: OV-101: NI12 OV-17: HX1 OV-225: NI7								
prodiamine	C13H17F3N4O4	0.94	0.97	0.66	C	-	-	-	-
	Responses: OV-17: NP(WB)50 OV-225: NP50								
profenofos	C11H15BrClO3PS	1.8	2.34	2.13	C	P	P	50	3
	Responses: OV-101: FP7/FP(WB)2.6/NI3 OV-17: FP5/FP(WB)2.9								
profluralin	C14H16F3N3O4	0.53	0.46	0.3	V	V	-	6	-
	Responses: OV-101: HX5/NI1/NP1 OV-17: NI0.8/NP9 OV-225: NI1								
Prolan	C15H13Cl2NO2	2.81	7.5	3.9	P	S	S	15	2
	Responses: OV-101: NI(WB)1 OV-17: NI6 OV-225: NI10								
promecarb	C12H17NO2	1.58	-	-	V	-	-	-	-
	Responses: OV-101: TI400								
prometryn	C10H19N5S	0.77	-	0.74	C	P #	P #	50	1-2-3
	Responses: OV-101: FP200/NI40/TI50 OV-17: FP20								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
pronamide	C12H11Cl2NO	0.51	0.84	0.4	C	P	-	15+50	-
	Responses: OV-101: HX1/NI2/NP7 OV-17: NI1/NP85 OV-225: NI3								
propachlor	C11H14ClNO	0.34	0.37	0.26	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI(WB)16/NP(WB)13 OV-17: NI5/NI(WB)5 OV-225: NI9/NI(WB)5								
propanil	C9H9Cl2NO	0.66	2.82	0.78	C	NR	NR	6-15	3
	Responses: OV-101: HX6/NI3/NI(WB)5 OV-17: NI4 OV-225: NI8								
propargite	C19H26O4S	3.8	4.8	4.3	C	C	-	15	2
	Responses: OV-101: FS45/NI(WB)230 OV-17: NI2600 OV-225: NI1300								
propazine	C9H16ClN5	0.53	0.65	0.41	C	S	NR	15+50	3
	Responses: OV-101: NI(WB)110/TI30 OV-17: NI43 OV-225: NI37								
propetamphos	C10H20NO4PS	0.48	-	0.42	C	C #	-	15+50	2+3
	Responses: OV-101: FP1.5 OV-17: FP0.5								
propham	C10H13NO2	0.13	-	0.12	C	P	P	15	-
	Responses: OV-101: NP(WB)2 OV-17: NP16								
propiconazole*	C15H17Cl2N3O2	3.06 3.21	- 5.6	- 4	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI10/NI(WB)17 OV-17: HX9								
propoxur	C11H15NO3	-	-	-	C	-	-	-	-
	Responses:								
prosulfuron*	C15H16F3N5O4S	0.18 0.44	- 2.49	- 0.64	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NP8 OV-17: NI120 OV-225: NI20								
prothiofos	C11H15Cl2PO2S2	1.85	1.74	1.82	C	C	C	6	2
	Responses: OV-101: FP4/NI3/NP3 OV-17: NI3 OV-225: NI1								
prothoate	C9H20NO3PS2	0.75	1.55	0.79	C	-	-	-	-
	Responses: OV-101: FP1/NI5								
pyracarbolid	C13H15NO2	1.05	-	1.43	-	-	-	-	-
	Responses: OV-101: HN(WB)1.4 OV-17: NP6								
pyrazon	C10H8ClN3O	2.67	13	8	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)8/HX(WB)30/NI(WB)26/NP(WB)56 OV-17: HX(WB)50 OV-225: NI3700								
pyrazon metabolite A	C16H18ClN3O6	2.62	-	-	-	-	-	-	-
	Responses: OV-101: HX(WB)260								
pyrazon metabolite B	C6H4ClN3O	0.42	-	0.9	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: HN(WB)3/HX(WB)42/NI(WB)35/NP(WB)14 OV-17: HN(WB)3/HX(WB)23/NI(WB)23/NP(WB)44								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
pyrazophos	C14H20N3O5PS	8.1	-	13	C	-	-	-	-
	Responses: OV-101: FP(WB)12 OV-17: FP25								
pyrethrins*	C21H27O4	2.12	1.76	1.76	-	C	C	50	-
		2.95	2.84	2.7					
	Responses: OV-101: NI25								
pyridaphenthion	C14H17O4N2SP	4.2	14	8.7	C	-	-	-	-
	Responses: OV-101: NI(WB)16								
pyrimethanil	C12H13N3	0.67	-	-	C	S	S #	50	3
	Responses: OV-101: NP(WB)0.5								
pyrithiobac-sodium methyl ester	C14H13ClN2O4	2.51	4	4.2	-	-	-	-	-
	Responses: OV-101: HN(WB)1/HX(WB)12/NI(WB)9/NP(WB)90 OV-17: HN(WB)2/HX(WB)13/NI(WB)18/NP(WB)85 OV-225: NI(WB)13								
quinalphos	C12H15N2O3PS	1.32	2	1.64	C	C	-	15	-
	Responses: OV-101: FP5/FP(WB)2.7 OV-17: FP3/FP(WB)3								
quintozene	C6Cl5NO2	0.51	0.46	0.46	C	C	C	6	1
	Responses: OV-101: TR0.3 OV-17: NI0.5								
quizalofop ethyl ester	C19H17ClN2O4	13.6	-	25	C	-	-	-	-
	Responses: OV-101: HX70/NI80								
RH-6467*	C19H15N4ClO	7.9	-	-	S	NR	NR	6-15-50	1-2-3
		10.4	-	-					
		15	-	-					
	Responses: OV-101: NI90/NP300								
RH-9129	C19H16N3ClO2	14	-	-	V	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI40/NP190								
RH-9130	C19H16N3ClO2	12	-	-	P	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI50/NP170								
ronnel	C8H8Cl3O3PS	0.81	0.86	0.76	C	C	C	6	2
	Responses: OV-101: NI(WB)1/TI3 OV-17: FP1/NI1 OV-225: NI2								
ronnel oxygen analog	C8H8Cl3O4P	0.64	1.02	0.62	C	NR	-	6-15-50	-
	Responses: OV-101: NP3 OV-17: FP5/FP(WB)1								
RPA 203328, methylated	C10H9F3O4S	0.26	0.51	0.23	-	-	-	-	-
	Responses: OV-101: NI0.5 OV-17: NI0.4 OV-225: NI0.5 5								
RPA202248	C15H12SNO4F3	1.13	4.7	1.38	NR	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI40/NP120 OV-17: NI40/NP250 OV-225: NI60								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
S-bioallethrin	C19H26O3	1.37	1.22	1.12	-	C	-	50	-
	Responses: OV-101: NI2 OV-17: NI2 OV-225: NI2								
schradan	C8H24N4O3P2	0.58	-	0.52	C	NR	-	6-15-50	-
	Responses: OV-101: FP4/TI5 OV-17: FP1								
sethoxydim	C17H29NO3S	3.34	-	-	-	NR	NR	6-15-50	3
	Responses: OV-101: NI50								
sethoxydim sulfoxide	C17H29NO4S	0.84	-	-	-	NR	NR	6-15-50	3
	Responses: OV-101: NI50								
silvex	C9H7Cl3O3	0.48	-	-	-	-	-	-	-
	Responses: OV-101: NI40								
silvex methyl ester	C10H9Cl3O3	0.45	0.44	-	-	-	-	-	-
	Responses: OV-101: HX(WB)0.8/NI0.6								
simazine	C7H12ClN5	0.41	0.83	0.5	C	NR	NR	50	1-2-3
	Responses: OV-101: NI(WB)90 OV-17: NI56/NP(WB)1.5 OV-225: NI130								
simetryn	C8H15N5S	2.02	1.21	-	C	-	-	-	-
	Responses: OV-101: NP7								
Strobane*	C10H11Cl7	1.09	-	-	-	C	C	6	1
		1.32	-	-					
		1.53	-	-					
		1.8	-	-					
		1.94	-	-					
		2.09	-	-					
		2.33	-	-					
		2.69	-	-					
		3.1	-	-					
		3.7	-	-					
	Responses: OV-101: TR40								
sulfallate	C8H14ClNS2	0.38	0.44	0.36	C	C	C	6+15	2
	Responses: OV-101: NI(WB)1 OV-17: NI1 OV-225: NI1								
sulfanilamide	C6H8O2N2S	-	-	2.11	NR	NR	NR	6-15-50	1-2-3
	Responses: OV-17: NP200								
sulfotep	C8H20O5P2S2	0.34	-	0.29	C	C	P	6+15	2
	Responses: OV-101: TI0.8 OV-17: FP0.5								
Sulphenone	C12H9ClO2S	1.26	3.5	1.92	C		-	50	3
	Responses: OV-101: TR4								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
sulprofos	C12H19O2PS3	2.79	-	3.5	C	-	-	-	-
	Responses: OV-101: FP(WB)47 OV-17: FP3								
sulprofos oxygen analog sulfone	C12H19O5PS2	5.1	-	10.6	C	-	-	-	-
	Responses: OV-101: FP(WB)80 OV-17: FP40/FP(WB)28/NI20/NP40								
sulprofos sulfone	C12H19O4PS3	7.2	-	13.1	C	-	-	-	-
	Responses: OV-101: FP(WB)16 OV-17: FP(WB)26								
sulprofos sulfoxide*	C12H19O3PS3	2.78	-	3.6	C	-	-	-	-
		6.1	-	11.7					
	Responses: OV-101: FP(WB)14 OV-17: FP(WB)29								
TCMTB	C9H6N2S3	1.5	4.3	2.67	C	P	P	15	-
	Responses: OV-101: NI3/NP22 OV-17: NP36 OV-225: NI12								
TDE, o,p'-	C14H10Cl4	1.9	2.46	2.19	-	C	C	6	1
	Responses: OV-101: TR2 OV-17: NI2								
TDE, o,p'-, olefin	C14H9Cl3	1.19	1.15	1.2	-	-	-	-	-
	Responses: OV-101: TR12 OV-17: NI2								
TDE, p,p'-	C14H10Cl4	2.41	3.8	2.87	C	C	C	6	1
	Responses: OV-101: TR4 OV-17: NI2								
TDE, p,p'-, olefin	C14H9Cl3	1.45	1.36	1.45	C	C	C	6	1
	Responses: OV-101: NI(WB)4 OV-17: NI4 OV-225: NI3								
tebuconazole	C16H22ClN3O	3.38	-	4.2	C	-	-	-	-
	Responses: OV-101: HX(WB)1 OV-17: HX(WB)3								
tebufenozide	C22H28N2O2	7	-	11	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI30/NP4000								
tebupirimfos	C13H23N2O3PS	0.63	-	-	-	V	V	6+15	2+3
	Responses: OV-101: NI16/NP1								
tebupirimfos oxygen analog	C13H23O4N2P	0.51	-	-	-	NR	NR	6-15-50	1-2-3
	Responses: OV-101: NI100/NP1								
tebuthiuron	C9H16N4OS	0.26	-	0.21	-	-	-	-	-
	Responses: OV-101: NI1000/NP(WB)0.5 OV-17: FP20								
tecnazene	C6HCl4NO2	0.29	0.26	0.24	C	C	C	6	1
	Responses: OV-101: TR0.5 OV-17: NI0.3								
teflubenzuron*	C14H6Cl2F4N2O2	-	0.11	0.09	-	NR	NR	6-15-50	1-2-3
		0.14	0.23	0.14					
	Responses: OV-101: NI(WB)1.5 OV-17: NP(WB)5								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
TEPP	C8H20O7P2	0.21	0.27	0.24	C	-	-	-	-
	Responses: OV-101: FP(WB)46/NI(WB)4000 OV-17: FP(WB)70/NI10000/NP(WB)70 OV-225: NI13700								
terbacil	C9H13ClN2O2	0.54	2.1	0.72	C	NR	NR	6-15	2+3
	Responses: OV-101: HN(WB)1/HX5/NI(WB)6/NP(WB)8 OV-17: HN(WB)0.6/HX(WB)5/NI(WB)2/NP(WB)8 OV-225: NI(WB)7								
terbufos	C9H21O2PS3	0.5	0.44	0.41	C	P	S	6	-
	Responses: OV-101: FP2/NI40/TI2 OV-17: FP0.5/FP(WB)1.6/NI20								
terbufos oxygen analog	C9H21O3PS2	0.42	-	0.39	C	-	NR	6-15-50	1-2-3
	Responses: OV-101: FP0.5/NI1000 OV-17: FP1/NI2500								
terbufos oxygen analog sulfone	C9H21O5PS2	0.92	2.9	1.28	C	NR	NR	6-15-50	1-2-3
	Responses: OV-101: FP7/NI40 OV-17: FP2/NI60 OV-225: FP5/NI1500								
terbufos sulfone	C9H21O4PS3	1.2	-	1.58	C	C #	C #	6-15-50	2+3
	Responses: OV-101: FP2/NI5 OV-17: FP2/NI10								
terbumeton	C10H19N5O	0.47	0.42	0.53	C	-	-	-	-
	Responses: OV-17: NP(WB)25 OV-225: NP20								
terbuthylazine	C9H16N5Cl	0.47	0.71	0.48	C	P	-	15+50	-
	Responses: OV-101: NI(WB)87/NP(WB)6 OV-17: NI250 OV-225: NI43								
terbutryn	C10H19N5S	0.84	1.08	-	C	-	-	-	-
	Responses:								
tetradifon	C12H6Cl4O2S	5.2	-	8.3	C	C	C	15	2
	Responses: OV-101: TR6 OV-17: NI5								
tetraiodoethylene	C2I4	0.55	0.86	1.04	-	P	P	6	-
	Responses: OV-101: NI(WB)3 OV-17: NI4								
tetramethrin*	C19H25NO4	4.3	-	-	C	NR	NR	6-15-50	1-2-3
		4.5	8.5	7.2					
	Responses: OV-101: NI50								
tetrasul	C12H6Cl4S	2.64	2.33	2.8	C	C	C	6	1
	Responses: OV-101: NI(WB)1 OV-17: NI5 OV-225: NI3								
tetrasul sulfoxide	C12H6Cl4OS	4.7	8.6	7.2	-	-	-	-	-
	Responses: OV-101: NI(WB)1 OV-17: NI8 OV-225: NI7								
thiabendazole	C10H7N3S	1.48	-	2.04	C	NR	-	6-15-50	-
	Responses: OV-101: NP90								

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
thiobencarb	C12H16ClNOS	0.94	1	0.98	C		V	15	2+3
	Responses: OV-101: NI73 OV-17: HX3								
thiometon	C6H15O2PS3	0.41	0.51	0.4	C	NR	NR	6-15-50	-
	Responses: OV-101: NI10/NI(WB)3/TI1 OV-17: FP0.4/NP(WB)1								
thionazin	C8H13N2O3PS	0.26	-	0.26	C	P	NR	15+50	-
	Responses: OV-101: FP0.5/TI1 OV-17: FP0.5								
thionazin oxygen analog	C8H13N2O4P	-	-	-	-	-	-	-	-
	Responses:								
thiophanate-methyl	C12H14N4O4S2	-	-	-	-	-	-	-	-
	Responses:								
THPI	C8H9NO2	0.21	-	-	C	NR	NR	6-15-50	-
	Responses:								
tolylfluanid	C10H13ClFNOS	1.25	-	1.41	C	-	-	-	-
	Responses: OV-101: NI3/NP70								
toxaphene*	C10H10Cl8	-	2.6	-	C	C	C	6	1
		-	2.35	-					
		-	2.14	-					
		-	1.75	-					
		1.2	2.74	-					
		1.54	3.05	-					
		1.8	3.9	-					
		2.39	4.3	-					
		2.68	4.5	-					
		3.12	5.2	-					
		3.7	5.6	-					
		4.4	6	-					
		4.6	6.4	-					
		5.1	7	-					
	Responses: OV-101: TR30								
tralkoxydim*	C20H27NO3	3.32	-	-	V	NR	NR	50	1-2-3
		6.1	1.48	4.5					
	Responses: OV-101: NI100/NP10 OV-17: NI100 OV-225: NI100								
tralomethrin	C22H19Br4NO3	27	64	44	C	V	S	15	2
	Responses: OV-101: NI30/NI(WB)1								
tri-allate	C10H16Cl3NOS	0.6	-	0.45	C	C	C	6	2
	Responses: OV-101: HX1/NI1.5								

Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
triadimefon	C14H16ClN3O2	1.05	1.64	1	C	S #	S #	50	1-2-3
Responses: OV-101: HX3/NI2/NP20/NP(WB)2 OV-17: HX5/HX5/HX(WB)3/NI(WB)2/NP2/NP(WB)3 OV-225: NI3/NP20									
triadimenol	C14H18ClN3O2	1.36	-	1.44	C	NR	NR	6-15-50	-
Responses: OV-101: HX10/NI90/NP30/NP(WB)5 OV-17: HX7/HX(WB)4/NI(WB)50/NP(WB)6									
triazamate	C13H22N4O3S	1.58	2.46	2.1	C	NR	NR	6-15-50	1-2-3
Responses: OV-101: NI15/NP25									
triazophos	C12H16N3O3PS	2.62	-	5.2	C	-	-	-	-
Responses: OV-101: FP(WB)3 OV-17: FP5/FP(WB)5									
tribufos	C12H27OPS3	1.95	1.65	1.88	C	C	P	15+50	3
Responses: OV-101: FP3/NP3/TR4 OV-17: FP3/NI3									
tributyl phosphate	C12H27O4P	0.3	-	0.23	-	R	-	50	-
Responses:									
trichlorfon	C4H8Cl3O4P	0.16	-	0.13	C	NR	NR	6-15-50	1-2-3
Responses: OV-101: NP3 OV-17: FP4									
trichloronat	C10H12Cl3O2PS	1.13	-	0.97	C	C	-	6	-
Responses: OV-101: FP3/HX2/NI2/NP3									
triclopyr methyl ester	C8H6Cl3NO3	0.36	0.36	0.39	-	-	-	-	-
Responses: OV-101: NI0.5/NI(WB)0.7/NP(WB)7									
tricyclazole	C9H7N3S	1.59	-	3.9	C	-	-	-	-
Responses: OV-101: NP500/NP(WB)8 OV-17: NP500/NP(WB)8									
tridiphane	C10H7Cl5O	0.81	0.85	0.75	C	C	-	6	1+2
Responses: OV-101: HX(WB)1/NI0.8 OV-17: HX0.8/HX(WB)0.4 OV-225: NI1									
triflumizole	C15H15ClF3N3O	1.44	2.23	1.19	C	-	-	-	-
Responses: OV-101: NP(WB)4 OV-17: HX13/HX(WB)2/NI(WB)3/NP(WB)3									
trifluralin	C13H16F3N3O4	0.34	0.27	0.17	C	C	C	6	2
Responses: OV-101: TR1 OV-17: NI0.7									
triflusulfuron methyl ester	C17H19F3N6O6S	0.3	-	0.2	V	NR	NR	6-15-50	1-2-3
Responses: OV-101: HN(WB)1/HX(WB)20/NI(WB)500/NP(WB)13 OV-17: HN(WB)1/HX(WB)35/NP(WB)11									
tris(beta-chloroethyl) phosphate	C6H12Cl3O4P	0.45	-	-	C	-	-	-	-
Responses: OV-101: FP1									
tris(chloropropyl) phosphate	C9H18Cl3O4P	0.5	2.02	0.5	C	NR	NR	6-15-50	1-2-3
Responses: OV-101: FP1									

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Appendix I: PESTDATA Chemicals in Order by Chemical Name (continued)

Name	Molecular Formula	RRT/c OV-101	RRT/c OV-225	RRT/c OV-17	Recoveries 302	303	304	Ethers	CH_2Cl_2
Tycor	C9H16N4OS	0.77	1.62	0.99	C	S	S	50	3
Responses: OV-101: NI1/NP2 OV-17: NI1/NP9 OV-225: NI1									
vamidothion sulfone	C8H18NO6PS2	2.19	-	-	C	-	-	-	-
Responses:									
vernolate	C10H21NOS	0.15	-	0.09	-	P	-	15	-
Responses: OV-101: TI50 OV-17: FP11									
vinclozolin	C12H9Cl2NO3	0.69	1.15	0.64	C	C	C	15	2
Responses: OV-101: HX1.5/NI1 OV-17: HX1/NI2									
vinclozolin metabolite B	C12H11Cl2NO4	0.74	1.2	0.66	C	P #	C	6+15	2
Responses: OV-101: HN(WB)5/HX(WB)18/NI(WB)5/NP(WB)84 OV-17: HN(WB)6/HX(WB)9/NI(WB)10/NP(WB)19 OV-225: NI(WB)8									
vinclozolin metabolite E	C11H11Cl2NO2	0.89	3.02	0.93	C	S	NR	15+50	-
Responses: OV-101: HN(WB)3/HX(WB)3/NI(WB)3/NP(WB)15 OV-17: HN(WB)3/HX(WB)3/NI(WB)4/NP(WB)7 OV-225: NI(WB)9									
vinclozolin metabolite F	C11H13Cl2NO4	2.87	-	4.6	R	NR	NR	6-15-50	1-2-3
Responses: OV-101: HX(WB)160/NI(WB)57/NP(WB)140 OV-17: HN(WB)100/HX(WB)14/NI(WB)85/NP(WB)210									
vinclozolin metabolite S	C10H7Cl2NO3	0.69	2.01	0.79	V	P	V #	15	2
Responses: OV-101: HN(WB)1/HX(WB)2/NI(WB)1/NP(WB)19 OV-17: HN(WB)1/HX(WB)2/NI(WB)1/NP(WB)7 OV-225: NI(WB)2									
zoxamide*	C14H16NO2Cl3	1.44 3.9	-	-	C	C	-	50	3
Responses: OV-101:NI(WB)0.8/NP(WB)18/HX(WB)5									

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.03	TR37	-	0.02	dichlorobenzene, p-	C6H4Cl2	-	C	C	6	1
0.04	TR0.6	-	0.03	dibromochloropropane	C3H5Br2Cl	-	-	-	-	-
0.06	NI30	0.08	0.04	CGA 171683	C6H5F4N3O2	C		-	15+50	3
0.06	FS9	-	-	ethiolate	C7H15NOS	C	-	-	-	-
0.07	FP(WB)0.7	0.25	0.09	methamidophos	C2H8NO2PS	V	-	-	-	-
0.07	FP9/NI1/TI0.5	0.08	0.08	dichlorvos	C4H7Cl2O4P	C	NR	NR	6-15-50	1-2-3
0.08	TR2	-	-	1,2,3-trichlorobenzene	C6H3Cl3	-	C	P	6	1
0.09	TR5	-	-	allidochlor	C8H12ClNO	C	NR	-	6-15	1-2-3
0.1	NI220	-	-	methomyl	C5H10N202S	-	NR	NR	6-15-50	1-2-3
0.1	TR175	-	-	monuron	C9H11ClN2O	-	NR	NR	6-15-50	1-2-3
0.11	TR0.5	-	0.1	dichlobenil	C7H3Cl2N	C	P	C	15	2
0.11	TR25	-	-	neburon	C12H16Cl2N2O	C	NR	NR	6-15-50	1-2-3
0.11	NI(WB)9	0.09	0.11	diuron	C9H10Cl2N2O	C	NR	NR	6-15-50	1-2-3
0.12	TI30	-	-	EPTC	C9H19NOS	-	P	-	15	-
0.12	TR0.4	-	0.06	hexachlorocyclopentadiene	C5Cl6	-	-	-	-	-
0.13	NI14/NI(WB)24/NP35	0.15	0.1	chlorimuron ethyl ester	C15H15ClN4O6S	P	NR	-	-	-
0.13	FS10	0.23	0.11	carboxin sulfoxide	C12H13NO3S	-	NR	NR	6-15-50	1-2-3
0.13	FP2/FP(WB)1	-	0.15	mevinphos, (Z)-	C7H13O6P	C	NR	-	6-15-50	-
0.13	NP(WB)2	-	0.12	propham	C10H13NO2	C	P	P	15	-
0.14	NI(WB)1.5	0.23	0.14	teflubenzuron*	C14H6Cl2F4N2O2	-	NR	NR	6-15-50	1-2-3
0.15	FP(WB)0.9/NP3	0.64	0.19	acephate	C4H10NO3PS	C	-	-	-	-
0.15	TR7	0.24	-	hydroxy chloroneb	C7H6Cl2O2	-	NR	-	6-15	-
0.15	TI50	-	0.09	vernolate	C10H21NOS	-	P	-	15	-
0.15	NI300	0.15	0.14	dimethyl phthalate	C10H10O4	-	P	-	6+15+50	-
0.16	TR35	0.14	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
0.16	FP2	-	0.13	mevinphos, (E)-	C7H13O6P	C	NR	NR	6-15-50	-
0.16	NP3	-	0.13	trichlorfon	C4H8Cl3O4P	C	NR	NR	6-15-50	1-2-3
0.17	NP200	-	0.11	CGA 236431	C8H7F3N2O2	-	-	-	-	-
0.17	NI3/NP7	0.22	0.13	3-methyl-4-nitrophenol methyl ether	C8H9O3N	-	-	-	-	-

* Multipeak chemical.

Recovery may vary with choice of Florisil elution system; see Tables 303-a, 304-a.

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.17	HX20/NI9	0.14	0.1	N-(3,4-dichlorophenyl)-N'-methylurea	C8H8Cl2N2O	-	NR	NR	6-15-50	-
0.17		-	-	metolcarb	C9H11NO2	C	-	-	-	-
0.17	HN(WB)0.4/NP7	-	0.1	pebulate	C10H21NOS	C	P	-	15	-
0.18	NP8	-	-	prosulfuron*	C15H16F3N5O4S	-	NR	NR	6-15-50	1-2-3
0.18	NI200	-	0.22	4-hydroxymethyl-3,5-dimethylphenyl methylcarbamate*	C11H15NO3	-	NR	NR	15-50	1-2-3
0.18	NI0.25	-	-	clopyralid methyl ester	C7H4Cl2NO2	-		-	50	-
0.18	NI0.3/NP0.6	0.12	0.21	etridiazole	C5H5Cl3N2OS	C	C	P	6	2
0.18	HN(WB)1/HX0.5/NI9/ NI(WB)16/NP0.9/NP(WB)1	0.27	0.14	3,5-dichloroaniline	C6H5Cl2N	S	S	S	6+15	1+2
0.19	HX(WB)1.6/NI0.6	0.18	-	dicamba methyl ester	C8H6Cl2O3	-	-	-	-	-
0.19	HX(WB)2/NI600	-	-	MCPA methyl ester	C10H11ClO3	-	-	-	-	-
0.19	HX(WB)2/NI30	-	-	mecoprop methyl ester	C11H13ClO3	-	-	-	-	-
0.19	HX1/NI1/NP1	0.22	0.14	N, N-diallyl dichloroacetamide	C8H11Cl2NO	C	S	S	15+50	2+3
0.19	NI0.5/NI(WB)0.4/NP(WB)9	0.08	0.1	2-methoxy-3,5,6-trichloropyridine	C6H4Cl3NO	C	P#	C	6+15	1+2
0.19		-	-	bis(trichloromethyl)disulfide	C2Cl6S2	-	R	-	6	-
0.19	NI3.5	0.19	-	chloroneb	C8H8Cl2O2	C	C	-	6	2
0.2	HX25/NI20	0.86	0.61	desdiethyl simazine	C3H4ClN5	-	NR	NR	6-15-50	1-2-3
0.2	HX2/NI(WB)0.8/NP(WB)4	0.18	0.2	nitrapyrin	C6H3Cl4N	C	C	V	6	2
0.2		-	0.27	1,2,4-triazole	C2H3N3	V	NR	NR	6-15-50	1-2-3
0.2	HX0.6/NI16/NP1	0.32	0.16	3,4-dichloroaniline	C6H5Cl2N	V	S	-	15	-
0.21	HX9/NI25	-	1.36	3-(3,4-dichlorophenyl)-1-methoxyurea	C8H8Cl2N2O2	R	NR	NR	6-15-50	-
0.21		-	-	THPI	C8H9NO2	C	NR	NR	6-15-50	-
0.21	FP(WB)46/NI(WB)4000	0.27	0.24	TEPP	C8H20O7P2	C	-	-	-	-
0.22	NP100	-	0.14	CGA 72903	C7H6F3N	-	-	-	-	-
0.22	NI170/NP40	0.25	0.2	3-carboxy-5-ethoxy-1,2,4-thiadiazole	C3H2N2O3S	NR	-	-	-	-
0.22	TI6	0.32	0.21	demeton-O oxygen analog	C8H19O4PS	-	-	-	-	-
0.22	HX9/NI18/NP60	0.14	0.1	3,4-dichlorophenylurea	C7H6Cl2N2O	-	NR	NR	6-15-50	-
0.22		-	-	butylate	C11H23NOS	-	-	-	-	-
0.22	NP0.5	-	0.14	CGA 150829	C5H14N4O	V	-	-	-	-
0.23	TR0.6	0.21	0.18	methyl 2,3,6-trichlorobenzoate	C8H5Cl3O2	-	-	-	-	-
0.23	NI3	-	-	disul-Na	C8H7Cl2O5S•Na	-	-	-	-	-

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.24	NI0.2	0.15	0.22	2,3,5,6-tetrachloroanisole	C7H4Cl4O	-	C	-	6	1
0.24	HX0.3/NI0.25	0.13	0.16	pentachlorobenzene	C6HCl5	C	C	C	6	1
0.25	NI100	-	-	picloram*	C6H3Cl3N2O2	-	-	-	-	-
0.25	HN(WB)1/NI(WB)23/ NP(WB)10	0.5	0.16	cymoxanil	C7H10N4O3	V	NR	NR	6-15-50	1-2-3
0.25	HN(WB)0.5/NI(WB)4/ NP(WB)4	0.92	0.28	oxamyl oxime metabolite	C5H10N2O2S	C	NR	NR	6-15-50	1-2-3
0.25	FP(WB)0.9/TI25	1.11	0.39	omethoate	C5H12NO4PS	C	NR	NR	6-15-50	1-2-3
0.26	NP20	-	0.13	CGA 236432	C9H9F3N2O2	-	-	-	-	-
0.26	NI0.5	0.51	0.23	RPA 203328, methylated	C10H9F3O4S	-	-	-	-	-
0.26	NI1000/NP(WB)0.5	-	0.21	tebuthiuron	C9H16N4OS	-	-	-	-	-
0.26	FP0.5/TI1	-	0.26	thionazin	C8H13N2O3PS	C	P	NR	15+50	-
0.26	NI3500	-	-	diethyl phthalate	C12H14O4	-	P	P	15+50	-
0.27	NI200	-	0.31	4-hydroxymethyl-3,5-dimethylphenyl methylcarbamate*	C11H15NO3	-	NR	NR	15-50	1-2-3
0.28	FP(WB)2	-	0.36	demeton-O*	C8H19O3PS2	C	NR	-	6-15	-
0.28	HX(WB)1.6/NI2	-	-	dichlorprop methyl ester	C10H10Cl2O3	-	-	-	-	-
0.28	NP3	-	0.29	G-27550	C8H12N2O	C	-	-	-	-
0.28	FP(WB)8	0.49	0.32	metasystox thiol	C6H15O3PS2	C	-	-	-	-
0.29		-	0.25	diphenylamine	C12H11N	C	S	-	6+15	-
0.29	TR0.5	0.26	0.24	tecnazene	C6HCl4NO2	C	C	C	6	1
0.3	TR6	0.38	0.25	2,4-D methyl ester	C9H8Cl2O3	-	-	-	-	-
0.3	NI0.4	-	-	bromoxynil methyl ether	C8H5BR2ON	-	-	-	-	-
0.3	HN(WB)6/NI1	-	-	bromofenoxim methyl ether	C14H9Br2O6N3	-	-	-	-	-
0.3	HN(WB)1/HX(WB)20/ NI(WB)500/NP(WB)13	-	0.2	triflusulfuron methyl ester	C17H19F3N6O6S	V	NR	NR	6-15-50	1-2-3
0.3	HX2/NI0.4/NP8	-	-	2,4-dichloro-6-nitrobenzenamine	C6H4Cl2N2O2	-	R	-	15	2
0.3	NI400/TI2	0.37	0.29	phorate oxygen analog	C7H17O3PS2	C	NR	NR	6-15-50	1-2-3
0.3	FS2/NP15	-	-	cycloate	C11H21NOS	C	V #	S	15+50	3
0.3	HX12/NI20	0.8	0.53	desethyl simazine	C5H8ClN5	-	NR	NR	50	1-2-3
0.3		-	0.23	tributyl phosphate	C12H27O4P	-	R	-	50	-
0.31	FP6	0.49	0.32	metasystox thiono*	C6H15O3PS2	-	-	-	-	-
0.31	FP(WB)0.7/TI15	1.6	0.5	monocrotophos	C7H14NO5P	C	NR	NR	6-15-50	1-2-3

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.31	FP(WB)0.6/TI10	0.96	0.43	dicrotophos	C8H16NO5P	C	NR	-	6-15-50	-
0.32	NI(WB)0.6/NP(WB)5	0.44	0.36	3, 5, 6-trichloro-2-pyridinol methyl ester	C6H4Cl3NO	-	-	-	-	-
0.32	NI0.4	-	-	fenac methyl ester	C9H7Cl3O2	-	-	-	-	-
0.32		-	-	chlorothalonil trichloro impurity	C8HCl3N2	R	R #	NR	6-15-50	2+3
0.32		-	-	bendiocarb	C11H13NO4	C	-	-	-	-
0.32	HX2	-	-	2-chloroethyl caprate	C8H15ClO2	-	C	C	15	2
0.32	HN(WB)1.5	-	0.41	phenmedipham	C16H16N2O4	-	-	-	-	-
0.32	HX2	0.43	0.25	chlorpropham	C10H12ClNO2	C	C	C	15	2
0.33	FP0.5/HX0.3/NI0.5	0.23	0.24	chlorethoxyfos	C6H11Cl4O3PS	V	C	-	6	1
0.33	FP0.7/TI0.8	0.31	0.25	ethoprop	C8H19O2PS2	C	P #	S #	50	1-2-3
0.34	HX4/HX(WB)7/NI1	0.27	0.19	ethalfluralin	C13H14F3N3O4	C	C	C	6	2
0.34		-	0.25	2,4,5-trichloro-alpha-methylbenzene methanol	C8H7OCl3	R	R	-	15	-
0.34		-	0.36	dioxabenzofos	C8H9O3PS	C	P	-	15	-
0.34	TI0.8	-	0.29	sulfotep	C8H20O5P2S2	C	C	P	6+15	2
0.34	NI(WB)16/NP(WB)13	0.37	0.26	propachlor	C11H14ClNO	C	NR	NR	6-15-50	1-2-3
0.34	TR1	0.27	0.17	trifluralin	C13H16F3N3O4	C	C	C	6	2
0.34	NP11	-	0.32	naled	C4H7Br2Cl2O4P	C	NR	NR	6-15-50	1-2-3
0.35	HN(WB)17/NI(WB)34/ NP(WB)600	2.85	0.4	ethametsulfuron methyl ester*	C15H18N6O6S	-	NR	NR	6-15-50	1-2-3
0.35	HN(WB)30	-	-	DNOC methyl ether	C8H8N2O5	-	-	-	-	-
0.35	HN(WB)0.5/NI320/NP15	0.7	0.41	methabenzthiazuron	C10H11N3OS	C	NR	NR	6-15-50	1-2-3
0.35	NP8	0.6	0.38	2,3,5-trimethacarb	C11H15NO2	C	S #	NR	50	1-2-3
0.36	NI0.5/NI(WB)0.7/NP(WB)7	0.36	0.39	triclopyr methyl ester	C8H6Cl3NO3	-	-	-	-	-
0.37	FP(WB)0.5	0.27	0.29	cadusafos	C10H23O2PS2	C	NR	NR	6-15-50	1-2-3
0.37	HX(WB)1.5/NI(WB)2	0.28	0.18	benfluralin	C13H16F3N3O4	C	C	C	6	2
0.37	FP1/NI(WB)24/TI1	0.38	0.32	phorate	C7H17O2PS3	C	V #	V #	6	1
0.38	NI13/NP50	0.63	0.26	3-methyl-4-nitrophenol	C7H7O3N	V	NR	NR	6-15-50	1-2-3
0.38	NI(WB)1	0.44	0.36	sulfallate	C8H14ClNS2	C	C	C	6+15	2
0.39	NI(WB)20	1.16	0.54	4-chlorobenzylmethyl sulfoxide	C8H9ClOS	-	NR	NR	6-15-50	1-2-3
0.39		1.3	0.52	2,6-dichlorobenzamide	C7H5NOCl2	C	NR	NR	6-15-50	1-2-3

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RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.39		-	-	carbofuran	C12H15NO3	C	-	-	-	-
0.39	NP1	0.53	0.38	fonofos oxygen analog	C10H15O2PS	V	NR	NR	6-15-50	1-2-3
0.4	NP(V)20	-	0.47	CGA 37734	C10H13NO2	C	NR	NR	6-15-50	1-2-3
0.4	HX500/NI300	-	0.71	dazomet	C5H10N2S2	S	NR	-	6-15-50	1-2-3
0.4	TR0.4	0.48	0.35	BHC, alpha-	C6H6Cl6	C	C	C	6	1
0.4	FP(WB)0.7/NI(WB)6/NP1	1.6	0.62	dimethoate	C5H12NO3PS2	C	NR	NR	6-15-50	1-2-3
0.41	FS0.5	2.71	0.81	dimethipin	C6H10O4S2	C	NR	NR	6-15-50	1-2-3
0.41	NI(WB)0.4	1.91	0.66	4-chlorobenzylmethyl sulfone	C8H9ClO2S	-	NR	NR	6-15-50	1-2-3
0.41	NI10/NI(WB)3/TI1	0.51	0.4	thiometon	C6H15O2PS3	C	NR	NR	6-15-50	-
0.41	FP(WB)0.8/TI2	0.56	0.41	demeton-S	C8H19O3PS2	C	NR	-	6-15-50	-
0.41	NI(WB)90	0.83	0.5	simazine	C7H12ClN5	C	NR	NR	50	1-2-3
0.42	HN(WB)5/NI(WB)5/ NP(WB)65	0.97	0.49	PPG-947, methylated*	C18H13ClF3NO7	-	-	-	-	-
0.42	TR10	0.74	0.33	2,4-D isopropyl ester*	C11H12Cl2O3	-	-	-	-	-
0.42	HN(WB)3/HX(WB)42/ NI(WB)35/NP(WB)14	-	0.9	pyrazon metabolite B	C6H4ClN3O	-	NR	NR	6-15-50	1-2-3
0.42	FP0.5/NI1000	-	0.39	terbufos oxygen analog	C9H21O3PS2	C	-	NR	6-15-50	1-2-3
0.42		0.26	0.33	di-allate	C10H17ClNOS	C	C	-	6	-
0.42	HX4	0.75	0.45	chlorbufam	C11H10ClNO2	C		-	15	2+3
0.42	NP100	-	0.42	melamine	C3H6N6	NR	-	-	-	-
0.42	TR0.5	0.96	0.45	dicloran	C6H4Cl2N2O2	C	S	P	15+50	2+3
0.43	HN(WB)0.4/NI(WB)26/ NP(WB)3	1.34	0.6	6-chloro-2,3-dihydro-3,3,7-methyl-5H-oxazolo(3,2-a)pyrimidin-5-one	C9H13ClN2O2	-	NR	NR	6-15-50	1-2-3
0.43	FP100	-	0.62	fenthion oxygen analog sulfoxide	C10H15O5PS	C	NR	NR	6-15-50	1-2-3
0.43	TI58/TR200	0.74	0.44	atrazine	C8H14ClN5	C	S #	NR	50	1-2-3
0.43	TR2	1.62	0.56	BHC, beta-	C6H6Cl6	C	C	C	6	1
0.44	NP8	2.49	0.64	prosulfuron*	C15H16F3N5O4S	-	NR	NR	6-15-50	1-2-3
0.44	HN(WB)0.2/NP(WB)0.5	-	0.82	isocarbamid	C8H15N3O2	C	-	-	-	-
0.44	NI1000/NP300	0.29	0.45	desmedipham	C16H16N2O4	-	-	-	-	-
0.44	HX0.8/NI0.8	1.03	-	chloramben methyl ester	C8H7Cl2NO2	-	-	-	-	-
0.45	NI8/NP35	2.25	0.71	methidathion sulfoxide	C5H8N2O4S2	-	NR	NR	6-15-50	1-2-3
0.45	HX(WB)0.8/NI0.6	0.44	-	silvex methyl ester	C10H9Cl3O3	-	-	-	-	-

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.45	HX1.5/HX2/NI110	0.59	0.46	clomazone	C12H14ClNO2	C		-	50	3
0.45	NP25	0.78	0.5	3,4,5-trimethacarb	C11H15NO2	C	NR	NR	50	1-2-3
0.45	HX0.5/NI0.25	0.25	0.33	hexachlorobenzene	C6Cl6	C	C	P	6	1
0.45	FP1	-	-	tris(beta-chloroethyl) phosphate	C6H12Cl3O4P	C	-	-	-	-
0.46	NP2	-	0.49	CGA 51702	C9H9F3N2O	-	-	-	-	-
0.46	NI1.5/NP50	0.6	0.39	furilazole	C11H13Cl2NO3	C	S	-	50	3
0.46	HX0.4/TR0.4	0.3	0.34	pentachlorophenyl methyl ether	C7H3Cl5O	C	C	C	6	1
0.46		0.49	0.31	oxydemeton-methyl	C6H15O4PS2	C	-	-	-	-
0.47		0.42	0.53	terbumeton	C10H19N5O	C	-	-	-	-
0.47	NI(WB)87/NP(WB)6	0.71	0.48	terbuthylazine	C9H16N5Cl	C	P	-	15+50	-
0.47	FP(WB)0.7/NI(WB)2/NP1	-	0.59	cyanophos	C9H10O3NSP	C	-	-	-	-
0.47	NI100/TI10	-	0.5	dioxathion	C12H26O6P2S4	V	NR	-	6-15-50	2
0.48	FP1.5	-	0.42	propetamphos	C10H20NO4PS	C	C #	-	15+50	2+3
0.48	HX4	0.91	0.48	monolinuron	C9H11ClN2O2	C	-	-	-	-
0.48	NI40	-	-	silvex	C9H7Cl3O3	-	-	-	-	-
0.48	HX0.6/TR0.5	0.69	0.47	lindane	C6H6Cl6	C	C	C	6	1
0.49	TR1	0.63	0.47	2,4,5-T methyl ester	C9H7Cl3O3	-	-	-	-	-
0.49	NI0.3	0.35	0.48	1,2,4,5-tetrachloro-3-(methylthio)= benzene	C7H4Cl4S	R	C	-	6	1
0.5	NI75	0.79	0.44	metribuzin, deaminated diketo metabolite*	C7H11N3O2	NR	NR	NR	6-15-50	1-2-3
0.5	NI900/NP100	0.53	0.24	phosmet oxygen analog*	C11H12NO5PS	-	NR	NR	6-15-50	-
0.5	NI1.4/NP34	0.69	0.48	4-(dichloroacetyl)-1-oxa-4-azapiro= [4.5]decane	C10H15Cl2NO2	C	P	-	50	3
0.5	FP1	2.02	0.5	tris(chloropropyl) phosphate	C9H18Cl3O4P	C	NR	NR	6-15-50	1-2-3
0.5	NI0.5	0.59	0.45	pentachlorobenzonitrile	C7Cl5N	C	C	P	15	2
0.5	FP2/NI40/TI2	0.44	0.41	terbufos	C9H21O2PS3	C	P	S	6	-
0.5	NI18/NP0.6	0.53	0.47	diazinon oxygen analog	C12H21N2O4P	C	NR	NR	6-15-50	1-2-3
0.5	HX0.5/TR0.4	1.71	0.67	BHC, delta-	C6H6Cl6	C	C	C	6+15	1
0.5	NI2200/NP23	2.33	0.66	ethylenethiourea	C3H6N2S	S	NR	NR	6-15-50	1-2-3
0.51	NI100/NP1	-	-	tebupirimfos oxygen analog	C13H23O4N2P	-	NR	NR	6-15-50	1-2-3
0.51	FP7/NI1000/NP(WB)3.5	0.8	0.63	etrimfos oxygen analog	C10H17N2O5P	C	-	-	-	-

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RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.51	HX1/NI2/NP7	0.84	0.4	pronamide	C12H11Cl2NO	C	P	-	15+50	-
0.51	FP(WB)1/NI3/NP0.4	0.4	0.44	diazinon	C12H21N2O3PS	C	C	C	15	3
0.51	TR0.3	0.46	0.46	quintozene	C6Cl5NO2	C	C	C	6	1
0.52	NI(WB)1/TI166	0.93	0.44	dinitramine	C11H13F3N4O4	C	-	P	15	-
0.52	TI2	0.56	0.44	fonofos	C10H15OPS2	C	C	C	6	2+3
0.53	FP10	-	0.57	phosphamidon*	C10H19ClNO5P	C	NR	NR	6-15-50	1-2-3
0.53	HX3/NI1.5	0.76	0.37	fluchloralin	C12H13ClF3N3O4	C	C	-	6	2
0.53	HX5/NI1/NP1	0.46	0.3	profluralin	C14H16F3N3O4	V	V	-	6	-
0.53	NI(WB)110/TI30	0.65	0.41	propazine	C9H16ClN5	C	S	NR	15+50	3
0.54	HX2.5/NI1000	-	0.66	4-chloro-6-methoxyindole	C9H8NOCl	-	R	-	15	-
0.54	NP5/NP(WB)6	1.47	0.62	fenfuram	C12H11NO2	C	-	-	-	-
0.54	HN(WB)1/HX5/NI(WB)6/ NP(WB)8	2.1	0.72	terbacil	C9H13ClN2O2	C	NR	NR	6-15	2+3
0.54	NI(WB)15	-	1.07	4-chlorophenylurea	C7H7ClN2O	NR	NR	NR	6-15-50	1-2-3
0.54	TI2	0.6	0.46	disulfoton	C8H19O2PS3	C	P #	NR	6	1-2-3
0.55	HN(WB)17/NI(WB)34/ NP(WB)600	3.6	0.95	ethametsulfuron methyl ester*	C15H18N6O6S	-	NR	NR	6-15-50	1-2-3
0.55	NI30/NP0.4	0.8	0.63	isazofos	C9H17ClN3O3PS	C	C #	-	50	2+3
0.55	HN(WB)17/NI(WB)15/ NP(WB)9	1.41	0.9	3-ketocarbofuran	C12H12NO4	S	NR	NR	6	1
0.55	HX1/NI0.6	1.44	0.74	chlorothalonil	C8Cl4N2	S	C #	C #	6-15-50	2+3
0.55	TI5/TR11	1.71	0.66	parathion-methyl oxygen analog	C8H10NO6P	-	NR	NR	6-15-50	1-2-3
0.55	NI(WB)3	0.86	1.04	tetraiodoethylene	C2I4	-	P	P	6	-
0.55	NI2	0.92	-	dichlone	C10H4Cl2O2	P	S #	S #	6-15-50	2+3
0.56	NI(WB)2	0.49	0.47	methyl 3,5-dibromo-4-methoxy= benzoate	C9H8Br2O3	-	-	-	-	-
0.56	NI150/NP100	2.29	0.82	methidathion sulfone	C5H8N2O3S2	-	NR	NR	6-15-50	1-2-3
0.56	NI35/NP40	1.41	0.55	metribuzin, diketo metabolite	C7H12N4O2	NR	NR	NR	6-15-50	1-2-3
0.56	NI(WB)1	0.4	0.32	chlordene	C10H6Cl6	-	C	C	6	1
0.56	NI0.4	0.63	0.56	2,3,5,6-tetrachloronitroanisole	C7H3Cl4NO3	-	C	-	6	1+2
0.56	NP10	-	-	aminocarb	C11H16N2O2	C	-	-	-	-
0.57	NI0.5/NP2	1.47	0.91	metribuzin	C8H14N4OS	V	NR	NR	50	1-2-3
0.58	NP10	-	0.68	cyromazine	C6H10N6	S	-	-	-	-

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.58	FP2/NI50	0.59	0.51	etrimfos	C10H17N2O4PS	C	C	C	15	2+3
0.58	FP4/TI5	-	0.52	schradan	C8H24N4O3P2	C	NR	-	6-15-50	-
0.59	NI0.5	0.73	0.66	2,3,5,6-tetrachloroanisidine	C7H5Cl4NO	-	C	-	6	2
0.59	HX2	-	-	2-chloroethyl laurate	C14H27ClO2	-	C	C	15	2
0.6	NI200/NP200	2.65	0.9	CGA 120844	C8H9NSO3	-	NR	NR	6-15-50	1-2-3
0.6	FP20/FP400/FS1.5/ HN(WB)3.5/NI950/NP(WB)4	1.4	0.78	ethiofencarb	C10H15NO2S	C	NR	NR	6-15-50	-
0.6	FP(WB)1	-	0.54	iprobenfos	C13H21O3PS	C	-	-	-	-
0.6	HX1/NI1.5	-	0.45	tri-allate	C10H16Cl3NOS	C	C	C	6	2
0.6	NI20/NP15	1.64	0.7	ethoxyquin	C14H19N0	C	NR	NR	6-15-50	-
0.61	NI2	-	-	fluroxypyr, methylated*	C8H7O3N2Cl2F	-	-	-	-	-
0.61		-	0.73	pirimicarb	C11H18N4O2	C	-	-	-	-
0.62	TR28	0.72	-	2,4-DB methyl ester	C11H12Cl2O3	-	-	-	-	-
0.62	TR5	0.62	0.49	2,4-D isobutyl ester	C12H14Cl2O3	-	-	-	-	-
0.63	HN1/NI1.2	-	-	dinoseb methyl ether	C11H14N2O5	-	-	-	-	-
0.63	NI16/NP1	-	-	tebupirimfos	C13H23N2O3PS	-	V	V	6+15	2+3
0.64	NI1/NP6	1.06	0.7	benoxacor	C11H11Cl2NO2	C	P	C	15+50	2+3
0.64	HX1.5/NI13	1.22	0.74	cyprazine	C9H14ClN5	C	-	-	-	-
0.64	NP3	1.02	0.62	ronnel oxygen analog	C8H8Cl3O4P	C	NR	-	6-15-50	-
0.65	NI20	0.61	0.56	diisobutyl phthalate	C16H2204	-	P	-	15+50	-
0.66	FS4	-	0.64	octhilinone	C11H19NOS	C	-	-	-	-
0.66	FP1/TI10	-	1.02	phorate oxygen analog sulfone	C7H17O5PS2	C	NR	NR	6-15-50	1-2-3
0.66	HX6/NI3/NI(WB)5	2.82	0.78	propanil	C9H9Cl2NO	C	NR	NR	6-15	3
0.67	FP10	-	0.76	phosphamidon*	C10H19ClNO5P	C	NR	NR	6-15-50	1-2-3
0.67	NI100	-	-	picloram*	C6H3Cl3N2O2	-	-	-	-	-
0.67	NP(WB)0.5	-	-	pyrimethanil	C12H13N3	C	S	S #	50	3
0.67	HX8/NI5	1.44	0.69	metobromuron	C9H11BrN2O2	C	NR	NR	6-15-50	1-2-3
0.67	HX0.5/NI0.4/NP10	0.79	0.66	pentachloroaniline	C6H2Cl5N	C	C	C	6	1
0.67	FP1/FP(WB)3.5/NI1.9/TI2	0.64	0.56	dichlofenthion	C10H13Cl2O3PS	C	C	V	6	2
0.67	TR2	0.65	-	2,4,5-T isopropyl ester	C11H11Cl3O3	-	-	-	-	-
0.68	TR35	0.66	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
0.68	FS25/NI4	2.89	0.93	2,3-dihydro-3,3-methyl-2-oxo-5-	C11H12O5S	-	-	-	-	-

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Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
				benzofuranyl methyl sulfonate						
0.68	TI7	1.55	0.87	malathion oxygen analog	C10H19O7PS	C	NR	NR	6-15-50	1-2-3
0.69	TR60	0.74	-	2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
0.69	HN(WB)1/HX(WB)2/ NI(WB)1/NP(WB)19	2.01	0.79	vinclozolin metabolite S	C10H7Cl2NO3	V	P	V #	15	2
0.69	HX1.5/NI1	1.15	0.64	vinclozolin	C12H9Cl2NO3	C	C	C	15	2
0.69		-	-	chlorthiamid	C7H5Cl2NS	-	-	-	-	-
0.7	NP13	-	0.58	CP 51214	C14H21NO3	C	NR	NR	6-15-50	1-2-3
0.7	HN(WB)0.6/NP(WB)23	-	0.8	IN-B2838	C10H15N3O3	P	NR	NR	6-15-50	1-2-3
0.71	FP5/TI12	2.95	0.96	demeton-O sulfone*	C8H19O5PS2	C	-	-	-	-
0.71	HN(WB)5/NI1	-	-	ioxynil methyl ether	C8H5I2NO	-	-	-	-	-
0.71	NI30	1.11	0.71	dimethachlor	C13H18ClNO2	C	-	-	-	-
0.71	HN(WB)0.5/NP(WB)3	-	0.95	fuberidazole	C11H8N2O	C	-	-	-	-
0.71	FP(WB)0.9/NI(WB)3/NP1.5	1.64	0.87	parathion-methyl	C8H10NO5PS	C	C	C	15	2
0.72		-	-	DDM	C13H10Cl2	-	-	-	-	-
0.72	NI(WB)19/NP(WB)14	0.98	-	dimethenamid	C12H18ClNO2S	-	NR	NR	6-15-50	1-2-3
0.72	FP(WB)2	-	1.48	oxydemeton-methyl sulfone	C6H15O5PS2	C	-	-	-	-
0.72	FP1/FP(WB)1.3/HX1.5/ NI1/NP1	0.86	0.79	chlorpyrifos-methyl	C7H7Cl3NO3PS	C	C	-	6	2
0.72	FP3	-	0.83	fenitrothion oxygen analog	C9H12NO6P	C	-	-	-	-
0.72	TR40	-	-	2,4-D n-butyl ester	C12H14Cl2O3	-	-	-	-	-
0.73	NI75	1.29	0.52	metribuzin, deaminated diketo metabolite*	C7H11N3O2	NR	NR	NR	6-15-50	1-2-3
0.73	NP6	-	0.67	CP 108064, methylated	C15H21NO4	-	-	-	-	-
0.73	NP2	-	0.89	cymiazole	C12H14N2S	-	-	-	-	-
0.74	HN(WB)5/HX(WB)18/ NI(WB)5/NP(WB)84	1.2	0.66	vinclozolin metabolite B	C12H11Cl2NO4	C	P #	C	6+15	2
0.75	HX(WB)1.2/NI1.5/TR1	2.67	-	picloram methyl ester	C7H5Cl3N2O2	-	-	-	-	-
0.75	HX5/NI9/NP5	0.88	0.67	acetochlor	C14H20NO2Cl	C	C #	P	50	3
0.75	NI2/NP2	0.8	0.68	CGA 14128	C12H21N2O4PS	C		-	50	1-2-3
0.75	FP1/NI5	1.55	0.79	prothoate	C9H20NO3PS2	C	-	-	-	-
0.75	NP60	-	1.05	carbaryl	C12H11NO2	C	-	-	-	-
0.77	NI1/NP2	1.62	0.99	Tycor	C9H16N4OS	C	S	S	50	3

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.77	FP200/NI40/TI50	-	0.74	prometryn	C10H19N5S	C	P #	P #	50	1-2-3
0.77		1.1	-	ametryn	C9H17N5S	C	-	-	-	-
0.78	NI300	-	1.06	phorate oxygen analog sulfoxide	C7H17O4PS2	C	NR	NR	6-15-50	1-2-3
0.78	FP7	-	1.12	fenthion oxygen analog	C10H15O4PS	C	NR	NR	6-15-50	1-2-3
0.78	NI0.5/NP7.5	-	-	bromoxynil butyrate	C11H9Br2NO2	-	V	-	15+50	2
0.79	NI2	-	-	fluroxypyr, methylated*	C8H7O3N2Cl2F	-	-	-	-	-
0.8	HN(WB)1.2/HX(WB)90/ NI(WB)1.5/NP(WB)10	2.1	-	bromacil methyl ether	C10H16BrN2O2	-	-	-	-	-
0.8	NP200	-	1.03	3-hydroxymethyl-2,5-dimethylphenyl methylcarbamate	C11H15NO3	-	NR	NR	6-15-50	1-2-3
0.8	NI(WB)7	1	0.72	alachlor	C14H2OClNO2	C	C	C #	50	3
0.8	NI200/NP200	-	1.17	methiocarb sulfone	C11H15NO4S	S	NR	NR	6-15-50	1-2-3
0.8	HN(WB)2/NI(WB)2/ NP(WB)17	4.8	1.36	bromacil	C9H13BrN2O2	C	NR	NR	6-15-50	1-2-3
0.8	NI(WB)5/NP3	-	0.86	parathion oxygen analog	C10H14NO6P	C	NR	NR	6-15-50	1-2-3
0.81	HX(WB)1/NI0.8	0.85	0.75	tridiphane	C10H7Cl5O	C	C	-	6	1+2
0.81	HX1000/NI1000/NP7	-	0.9	metalaxyl	C15H21NO4	C	NR	NR	6-15-50	1-2-3
0.81	HX16/NI300	0.85	-	chloroxuron	C15H15ClN2O2	C	NR	NR	6-15-50	1-2-3
0.81	NI(WB)1/TI3	0.86	0.76	ronnel	C8H8Cl3O3PS	C	C	C	6	2
0.82	TR2	0.64	0.67	chlordene, alpha-	C10H6Cl6	-	-	-	-	-
0.82	TR4	1.07	0.92	dichlorobenzophenone, o,p'-	C13H8Cl2O	-	C	C	15	2
0.83	TR5	-	-	Compound K*	C10H6Cl8	-	C	-	-	1
0.83		-	-	DDNU	C14H10Cl2	-	-	-	-	-
0.83		-	-	DDNS	C14H12Cl2	-	-	-	-	-
0.83	NI60/NP45	3.77	1.06	metribuzin, deaminated metabolite	C8H13N3OS	C	NR	NR	6-15-50	1-2-3
0.83	NI0.6	0.52	0.6	heptachlor	C10H5Cl7	C	C	C	6	1
0.84	NI50	-	-	sethoxydim sulfoxide	C17H29NO4S	-	NR	NR	6-15-50	3
0.84	NI0.6	0.65	-	chlordene epoxide	C10H6Cl6O	-	C	-	15	-
0.84		1.08	-	terbutryn	C10H19N5S	C	-	-	-	-
0.84	FP(WB)1/NP1	1.82	1.05	fenitrothion	C9H12NO5PS	C	C	C	15	2
0.85	TR28	2.13	0.95	linuron	C9H10Cl2N2O2	V	V #	V	50	3
0.86	NI5	-	-	dicofol, o,p'-*	C14H9Cl5O	C	V	S	6+15	2

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RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.86	HN(WB)4/HX(WB)11/ NI(WB)28/NP(WB)17	-	1.55	6-chloro-2,3-dihydro-7-hydroxy= methyl-3,3-methyl-5H-oxazolo= (3,2-a)pyrimidin-5-one	C9H13ClN2O3	-	NR	NR	6-15-50	1-2-3
0.86	FS32/NI315	1.93	1.02	ethofumesate	C13H18O5S	C	-	-	-	-
0.86	FP5	-	-	phoxim oxygen analog	C12H15N204P	C	-	-	-	-
0.87	HX7/NI1100	-	1.07	4-chlorophenoxyaniline*	C12H10ClNO	S	-	-	-	-
0.87	FP4	-	1.05	demeton-O sulfoxide	C8H15O4PS2	C	-	-	-	-
0.87	FP2/FP(WB)1.2/NI100/NP2	-	0.92	pirimiphos-methyl	C11H20N3O3PS	C	C	C	15	3
0.88		-	-	methiocarb	C11H15NO2S	C	-	-	-	-
0.88	NI30	0.92	0.84	dibutyl phthalate	C16H22O4	-	C	C	15+50	-
0.89	HN(WB)3/HX(WB)3/ NI(WB)3/NP(WB)15	3.02	0.93	vinclozolin metabolite E	C11H11Cl2NO2	C	S	NR	15+50	-
0.89	NI4/TI26	4.9	1.48	cyanazine	C9H13ClN6	C	NR	-	6-15-50	-
0.89	FP5/NI8/NP4	2.55	1.26	phorate sulfoxide	C7H17O3PS3	C	NR	NR	6-15-50	1-2-3
0.9	NP400	-	0.45	formetanate hydrochloride	C11H16ClN3O2	-	-	-	-	-
0.9	NI1/NP44	1.71	1.01	dichlofluanid	C9H11Cl2FN2O2S2	C	C #	-	15+50	2+3
0.91	TR850	-	-	diisooctyl phthalate*	C24H38O4	-	C	C	15+50	-
0.91	NI(WB)7/NP1	1.49	1.05	malathion	C10H19O6PS2	C	C	C	15+50	3
0.92	FP7/NI40	2.9	1.28	terbufos oxygen analog sulfone	C9H21O5PS2	C	NR	NR	6-15-50	1-2-3
0.93	FP(WB)5	-	1.43	des N-isopropyl isofenphos oxygen analog	C12H18NO5P	-	-	-	-	-
0.94	TR1	-	-	2,4,5-T isobutyl ester	C12H13Cl3O3	-	-	-	-	-
0.94		0.97	0.66	prodiamine	C13H17F3N4O4	C	-	-	-	-
0.94	NI73	1	0.98	thiobencarb	C12H16ClNOS	C		V	15	2+3
0.94	HX0.7/NI0.4	0.69	0.87	pentachlorophenyl methyl sulfide	C7H3Cl5S	C	C	C	6	1
0.95	FP27/NI6/TI8	1.51	1.08	chlorpyrifos oxygen analog	C9H11Cl3NO4P	C	NR	-	6-15-50	-
0.96	HX5/NI1	1.45	0.86	nitrofluorfen	C13H7ClF3NO3	C	C	C	15	2
0.96		-	1.32	carbetamide	C12H16N2O3	-	-	-	-	-
0.96	FP2/TI4	1.46	1.18	fenthion	C10H15O3PS2	C	S #	NR	6+15	1-2-3
0.97	HX13/NI40	1.46	-	methazole	C9H6Cl2N2O3	-	-	-	-	-
0.97	HN(WB)5	-	0.96	difenoxuron	C16H18N2O3	-	-	-	-	-
0.97	NI4/TI4	3.26	1.3	phorate sulfone	C7H17O4PS3	C	S #	S #	6-15-50	3
0.98	TR1	0.84	0.89	chlordene, beta-	C10H6Cl6	-	-	-	-	-

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.98	TR2	0.89	0.88	chlordene, gamma-	C10H6Cl6	-	-	-	-	-
0.98	TI340	-	-	desmethyl diphenamid	C15H15NO	-	-	-	-	-
0.98	NI(WB)4/NP2	1.91	1.07	parathion	C10H14NO5PS	C	C	C	15	2
0.99	NI1	-	-	benazolin methyl ester	C9H6O3SNCl	-	-	-	-	-
0.99	NI3/NP35	1.91	0.96	KWG 1323	C14H16ClN3O3	C	NR	NR	6-15-50	1-2-3
0.99	NI(WB)7	1.63	1.07	1-hydroxychlordene	C10H6Cl6O	-	R	-	15	-
0.99	TR3	1.25	1.08	dichlorobenzophenone, p,p'-	C13H8Cl2O	-	C	C	15	2
1	FS48/NI135	6.6	1.46	2-hydroxy-2,3-dihydro-3,3-methyl-5-benzofuranyl methyl sulfonate	C11H14O5S	-	-	-	-	-
1	NI1.5/TI3	1	1	chlorpyrifos	C9H11Cl3NO3PS	C	C	P	6	2
1.01	FP4/FP(WB)1.6	-	1.14	pirimiphos-ethyl oxygen analog	C13H24N3O4P	C	-	-	-	-
1.03	HX5/NI12	1.21	0.93	metolachlor	C15H22ClNO2	C	S #	NR	50	1-2-3
1.04	NI5	-	-	dicofol, p,p'-*	C14H9Cl5O	C	V	P #	6+15	1+2
1.04	HN(WB)620/NI(WB)1000	-	1.13	PPG-947	C17H11ClF3NO7	-	NR	NR	6-15-50	1-2-3
1.05	NI220	1	-	PP 890	C9H10O2ClF3	-	-	-	-	-
1.05	HN(WB)170/HX(WB)980/NI(WB)40/NP(WB)270	1.47	0.88	acifluorfen	C14H7ClF3NO3	-	NR	NR	6-15-50	1-2-3
1.05	HX3/NI2/NP20/NP(WB)2	1.64	1	triadimefon	C14H16ClN3O2	C	S #	S #	50	1-2-3
1.05	HN(WB)1.4	-	1.43	pyracarbolid	C13H15NO2	-	-	-	-	-
1.05	TR0.8	0.58	0.76	aldrin	C12H8Cl6	C	C	C	6	1
1.06	NI1	1.13	1	DCPA	C10H6Cl4O4	C	C	C	15	2
1.07	NI100/NP40	-	1.8	methidathion oxygen analog	C6H11N2O5PS2	-	NR	NR	6-15-50	1-2-3
1.07		-	-	3-chloro-5-methyl-4-nitro-1H-pyrazole	C4H4ClN3O2	C	-	-	-	-
1.08	TR35	0.91	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
1.08	FP100/NI1000/NP40	3	1.66	fosthiazate	C9H18NO3PS2	C	NR	NR	6-15-50	1-2-3
1.08	TI6	2.33	1.3	crufomate	C12H19ClNO3P	C	NR	NR	6-15-50	-
1.09	NP33	-	0.62	fenpropimorph	C20H33NO	C		-	50	1-2-3
1.1	NI(WB)2	-	0.68	nitrothal-isopropyl	C14H17O6N	C	-	-	-	-
1.1		-	1.55	diphenamid	C16H17NO	V	NR	-	6-15	-
1.1	TR1	-	-	2,4,5-T n-butyl ester	C12H13Cl3O3	-	-	-	-	-
1.11	NI40/NP100	4.7	1.33	isoxaflutole (prop)	C15H12SNO4F3	NR	V #	S #	50	3
1.11	FP3/NI(WB)1/TI3	1.29	1.16	bromophos	C8H8BrCl2O3PS	C	C	C	6	-

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RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
1.13	NI40/NP120	4.7	1.38	RPA202248	C15H12SNO4F3	NR	NR	NR	6-15-50	1-2-3
1.13	FP3/HX2/NI2/NP3	-	0.97	trichloronat	C10H12Cl3O2PS	C	C	-	6	-
1.14	NI2/NP3	1.24	1.01	isopropalin	C15H23N3O4	C	C	-	6	-
1.14	FP2/TI4/TR150	1.03	1.14	pirimiphos-ethyl	C13H24N3O3PS	C	C	C	15+50	3
1.15	NI3	4.3	1.54	CGA 91305	C10H8Cl2N3O	V	NR	NR	6-15-50	1-2-3
1.15	NI7/NP3	1.22	0.93	butralin	C14H21N3O4	V	C	-	6+15+50	-
1.15	FP40/TI20	5.8	1.75	demeton-S sulfone	C8H19O5PS2	C	-	-	-	-
1.16	HN(WB)1.4	-	1.56	phenothiazine	C12H9NS	-	-	-	-	-
1.17	HX4	-	-	2-chloroethyl myristate	C16H31ClO2	C	V	V	15	2
1.17	FP10	1.74	1.24	isofenphos oxygen analog	C15H24NO5P	C	-	-	-	-
1.17	MC25/NI200	-	-	methyl 4-chloro-1H-indole-3-acetate	C11H10ClNO2	R	R #	NR	50	1-2-3
1.18	NP(WB)2	-	1.39	cyprodinil	C14H15N3	C	NR	NR	6-15-50	1-2-3
1.19	TR12	1.15	1.2	TDE, o,p'-, olefin	C14H9Cl3	-	-	-	-	-
1.2	FP2/NI5	-	1.58	terbufos sulfone	C9H21O4PS3	C	C #	C #	6-15-50	2+3
1.2	TR2	3.49	1.85	captan	C9H8Cl3NO2S	C	P	C	50	3
1.21	FP2	2.73	1.5	des N-isopropyl isofenphos	C12H18NO4PS	C	S	-	50	-
1.21	FP10/FP(WB)1.7/ NI(WB)2/TI4	1.58	1.29	chlorfenvinphos, alpha-	C12H14Cl3O4P	C	-	NR	6-15-50	-
1.22	NI3/NP5	1.48	1.21	pendimethalin	C13H19N3O4	C	C	P	15	2
1.23	NI(WB)1	3.01	1.94	folpet	C9H4Cl3O2NS	C	C	P	15+50	2+3
1.24	NP(WB)3	-	1.32	penconazole	C13H15Cl2N3	C	-	-	-	-
1.24	HX(WB)8/NI4	1.88	1.47	anilazine	C9H5Cl3N4	V	S	P	15+50	2+3
1.25	NI2/NP8	8	1.09	MB45950	C12H4SN4F6Cl2	S	P	V	15+50	2+3
1.25	NI3/NP70	-	1.41	tolylfluanid	C10H13ClFNOS	C	-	-	-	-
1.26	TR4	3.5	1.92	Sulphenone	C12H9ClO2S	C		-	50	3
1.27	HX12/NI19	3.39	1.42	chlorbromuron	C9H10BrClN2O2	V	V	V	50	3
1.28	HX7/NI1100	-	1.31	4-chlorophenoxyaniline*	C12H10ClNO	S	-	-	-	-
1.28	NI(WB)70/NP(WB)90	-	2.41	hexythiazox	C17H21ClN2O2S	-	S #	NR	50	2+3
1.28	NI1000	-	1.6	3-phenoxybenzenemethanol	C13H12O2	-	-	-	-	-
1.28	FP(WB)1.7/NI5	2.67	1.58	mecarbam	C10H20NO5PS2	C		-	50	-
1.29	FP2/FP(WB)1.8/HX3/ NI(WB)2/TI4	2	1.52	chlorfenvinphos, beta-	C12H14Cl3O4P	C	S #	-	50	1-2-3

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
1.29	HX0.7/TR1	1.22	1.15	heptachlor epoxide	C10H5Cl7O	C	C	C	6	2
1.3	NI50	8.9	-	chlorsulfuron	C12H12ClN5O4S	-	NR	NR	6-15-50	-
1.31	FP(WB)2/NI5/TI3	2.05	1.83	phenthoate	C12H17O4PS2	C	C	-	15+50	-
1.32	FP5/FP(WB)2.7	2	1.64	quinalphos	C12H15N2O3PS	C	C	-	15	-
1.33	TR1	0.94	1.05	octachlor epoxide	C10H4Cl8O	C	C	C	6	1
1.34	FP3/TI5	0.65	1.43	merphos*	C12H27PS3	-	C	C	6+15+50	3
1.35	HN(WB)4/HX(WB)40/ NI(WB)67/NP(WB)39	2.27	2.55	3-tert-butyl-5-chloro-6-hydroxy= methyluracil	C9H13ClN2O3	-	NR	NR	6-15-50	1-2-3
1.35	NI2/NP10	8.7	1.16	fipronil	C12H4Cl2F6N4OS	S	S	V	50	3
1.36	HX10/NI90/NP30/NP(WB)5	-	1.44	triadimenol	C14H18ClN3O2	C	NR	NR	6-15-50	-
1.36	FP2/NI20	1.73	1.38	isofenphos	C15H24NO4PS	C	C	-	15+50	-
1.36	NI8	1.22	-	allethrin	C19H26O3	-	C	C #	50	3
1.37	NI12	3.04	1.49	procymidone	C13H11Cl2NO2	C	C	P	15	-
1.37	NI2	1.22	1.12	S-bioallethrin	C19H26O3	-	C	-	50	-
1.37	NI60/TI10	2.85	1.9	crotoxyphos	C14H19O6P	C	NR	NR	6-15-50	1-2-3
1.39	NI1000	1.89	1.54	CGA 189138	C13H8O3Cl2	-	-	-	-	-
1.39	NI6	1.62	1.54	chlorbenside	C13H10Cl2S	C	S	P	6	1
1.4	NI500/NP500	-	-	WAK4103*	C9H9N5O3Cl	-	NR	NR	6-15-50	1-2-3
1.4	HN(WB)1.5	-	1.32	dinobuton	C14H18N2O7	C	-	-	-	-
1.4	FP5/FP(WB)1.6/NP3	3.33	2.28	methidathion	C6H11N2O4PS3	C	S	P #	50	3
1.41	HN(WB)1.6/NP(WB)51	-	2.55	IN-T3936	C10H15N3O4	S	NR	NR	6-15-50	1-2-3
1.42	NI2800	3.7	-	fenac	C8H5Cl3O2	-	NR	NR	6-15-50	-
1.43	TR2	-	-	photodieldrin B	C13H9Cl5O	-	-	-	-	-
1.44	NP(WB)4	2.23	1.19	triflumizole	C15H15ClF3N3O	C	-	-	-	-
1.44	TR60	-	-	4-(2,4-dichlorophenoxy)benzenamine	C12H9Cl2NO	-	-	-	-	-
1.44	NI(WB)0.8/NP(WB)18/ HX(WB)5	-	-	zoxamide*	C14H16NO2Cl3	C	C	-	50	3
1.45	NI(WB)4	1.36	1.45	TDE, p,p'-, olefin	C14H9Cl3	C	C	C	6	1
1.47		-	-	DDMU	C14H9Cl3	-	-	-	-	-
1.48	NP90	-	2.04	thiabendazole	C10H7N3S	C	NR	-	6-15-50	-
1.49	TR1	1.46	1.34	chlordane, trans-	C10H6Cl8	C	C	C	6	1
1.5	NI34	-	1.46	metazachlor	C14H16ClN3O	C	-	-	-	-

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Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
1.5		7.9	-	procyazine	C10H13ClN6	C	-	-	-	-
1.5	NI3/NP22	4.3	2.67	TCMTB	C9H6N2S3	C	P	P	15	-
1.5	TI7	6.7	2.39	disulfoton sulfone	C8H19O4PS3	C	NR	-	6-15-50	-
1.51	FP3/NI3/TI4	1.42	1.45	bromophos-ethyl	C10H12BrCl2O3PS	C	C	P	6	-
1.52	NP(WB)6	-	1.59	paclobutrazol	C15H20ClN3O	C	-	-	-	-
1.53	NI5/NP150	6.5	2.41	CGA 94689A	C15H21NO5	V	NR	NR	6-15-50	1-2-3
1.53	TR40	0.95	-	Perthane olefin	C18H19Cl	-	C	C	6	1
1.54	TR20	3.6	-	2,4-D propylene glycol butyl ether ester*	C15H2OCl2O4	-	-	-	-	-
1.54	NI12/NP150	6.6	2.45	CGA 94689B	C15H21NO5	S	NR	NR	6-15-50	1-2-3
1.55	HX(WB)9/NI5	-	1.4	haloxyfop methyl ester	C16H13ClF3NO4	-	-	-	-	-
1.55	TR2	1.28	1.51	DDE, o,p'-	C14H8Cl4	C	C	C	6	1
1.57	NI5/NP30	1.84	1.64	cyclanilide methyl ester	C12H11Cl2NO3	-	-	-	-	-
1.57	NI(WB)1	-	1.85	oxythioquinox	C10H6N2OS2	C	-	-	-	-
1.58	NI15/NP25	2.46	2.1	triazamate	C13H22N4O3S	C	NR	NR	6-15-50	1-2-3
1.58	FP9/TI8	2.72	1.97	Gardona	C10H9Cl4O4P	C	NR	NR	6-15-50	1-2-3
1.58	TI400	-	-	promecarb	C12H17NO2	V	-	-	-	-
1.59	NI550/NP210	-	-	NTN35884*	C9H9N5O2Cl	-	NR	NR	6-15-50	1-2-3
1.59	NP500/NP(WB)8	-	3.9	tricyclazole	C9H7N3S	C	-	-	-	-
1.6	FS(WB)10/NI(WB)3	4.1	3.17	isoprothiolane	C12H18O4S2	C	-	-	-	-
1.6		-	-	MGK 264	C17H25NO2	-	-	-	-	-
1.61	HX4/TR3	3.04	2.2	ovex	C12H8Cl2O3S	C	C	C	15	2
1.64	HX1/NI1.3	1.38	1.47	endosulfan I	C9H6Cl6O3S	C	C	C	15	2
1.65		-	1.65	DDMS	C14H11Cl3	-	R	-	6	-
1.66	TR60	1.18	-	2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
1.66	FP8/NP8	3.7	2.41	fenamiphos	C13H22NO3PS	C	NR	NR	6-15-50	1-2-3
1.66	TR1	1.54	1.48	chlordane, cis-	C10H6Cl8	C	C	C	6	1
1.7	NP40	-	2.12	napropamide	C17H20NO2	C	-	-	-	-
1.73	HX9	1.83	1.46	butachlor	C17H26ClNO2	C	C	-	50	-
1.73	HX8/NI3	-	1.88	chlorflurecol methyl ester	C15H11ClO3	C	-	-	-	-
1.75	TR2	1.45	1.42	nonachlor, trans-	C10H5Cl9	C	C	C	6	1
1.76	NI30/NP(WB)12	4	2.08	imazalil	C14H14Cl2N2O	C	NR	NR	6-15-50	-

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
1.77	FP(WB)4	-	-	fenthion oxygen analog sulfone*	C10H15O6PS2	-	-	-	-	-
1.78	HX11/NI10/NP180	3.14	2	diethatyl-ethyl	C16H22ClNO3	C	NR	NR	6-15-50	1-2-3
1.79	HX540/HX(WB)50/NI45/ NP(WB)40	3.5	2.76	imazamethabenz methyl ester*	C16H20N2O3	C	-	-	-	-
1.8	NP100	-	2.96	CGA 100255	C15H12NO5	S	-	-	-	-
1.8	FP7/FP(WB)2.6/NI3	2.34	2.13	profenofos	C11H15BrClO3PS	C	P	P	50	3
1.82	TR12	2.08	1.79	2,4-D butoxyethyl ester*	C14H18Cl2O4	-	-	-	-	-
1.84	NI200/NP50	-	-	imidacloprid	C9H10ClN5O2	-	NR	NR	6-15-50	1-2-3
1.85	FP4/NI3/NP3	1.74	1.82	prothiofos	C11H15Cl2PO2S2	C	C	C	6	2
1.86	HX6/NI3	2.91	1.79	hexaconazole	C14H17Cl2N3O	C	-	-	-	-
1.87	FS50	-	-	carboxin	C12H13NO2S	C	NR	NR	6-15-50	-
1.88	NI25	-	1.99	pretilachlor	C17H26ClNO2	C	-	-	-	-
1.88	NP1	4.1	-	ethion oxygen analog	C9H22O5P2S3	C	-	-	-	-
1.9	HN(WB)58/HX(WB)110/ NI(WB)85/NP(WB)150	3.16	1.86	PPG-2597	C20H17ClF3NO6	-	NR	NR	6-15-50	1-2-3
1.9	HN(WB)0.7/NI25/NP(WB)7	7.2	2.6	myclobutanil	C15H17ClN4	C	NR	NR	6-15-50	1-2-3
1.9	TR2	2.46	2.19	TDE, o,p'-	C14H10Cl4	-	C	C	6	1
1.91	HX1/NI1.5	1.87	1.84	dieldrin	C12H8Cl6O	C	C	C	15	2
1.92	NI1.5	1.59	1.86	DDE, p,p'-	C14H8Cl4	C	C	C	6	1
1.94	HX8/NI7	-	2.45	flamprop-methyl	C17H15ClFNO3	C	-	-	-	-
1.95	FP3/TI5	1.64	1.88	merphos*	C12H27PS3	-	C	C	6+15+50	3
1.95	FP3/NP3/TR4	1.65	1.88	tribufos	C12H27OPS3	C	C	P	15+50	3
1.97	NP(WB)5	-	2.33	flusilazole	C16H15F2N3Si	C	-	-	-	-
1.97	HX4/NI4	2.48	1.96	oxadiazon	C15H18Cl2N2O3	C	C	P	15	-
1.99	TI45	-	3.8	fensulfothion oxygen analog sulfone	C11H17O7PS2	-	-	-	-	-
2	TR60	1.79	-	2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
2	NI900/NP100	0.93	0.44	phosmet oxygen analog*	C11H12NO5PS	-	NR	NR	6-15-50	-
2	FP600/TR10000	2.77	-	aramite*	C15H23ClO4S	C	P	NR	15	-
2	NI5	4	2.16	oxyfluorfen	C15H11ClF3NO4	C	C	C	15	2
2	FS(WB)20/NI(WB)8	3.7	2.6	bupirimate	C13H24N4SO3	C	-	-	-	-
2	NI(WB)10/NP(WB)50	3.02	3.38	kresoxim-methyl	C18H19NO4	P	C	C	15+50	3
2.02	HX7/NI7/NP(WB)8	3.4	2.03	diclobutrazol	C15H19Cl2N3O	C	NR	NR	6-15-50	1-2-3

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Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
2.02	NP7	1.21	-	simetryn	C8H15N5S	C	-	-	-	-
2.03	NI(WB)1	3.8	2.71	nitrofen	C12H7Cl2NO3	C	C	C	15	2
2.04	TR50	1.78	1.78	2,4-D isooctyl ester*	C16H22Cl2O3	-	-	-	-	-
2.04	HN(WB)182/HX(WB)73/ NI(WB)72/NP(WB)12	1.61	2.69	cyproconazole	C15H18ClN3O	C	NR	NR	6-15-50	1-2-3
2.06	NI2/NP30	31	1.98	MB46136	C12H4SO2N4F6Cl2	S	S	V	50	2+3
2.07	NP189	-	2.92	methoprotryne	C11H21N5OS	C	-	-	-	-
2.1	NI5	1.78	1.68	2,4-D ethyl hexyl ester*	C16H22Cl2O3	-	-	-	-	-
2.12	NI25	1.76	1.76	pyrethrins*	C21H27O4	-	C	C	50	-
2.13	TR2	2.22	2.29	endrin	C12H8Cl6O	C	C #	C #	15	2
2.14	HN(WB)5/NI(WB)5/ NP(WB)65	5	2.4	PPG-947, methylated*	C18H13ClF3NO7	-	-	-	-	-
2.14	NI100	-	-	mirex, 5,10-dihydro-*	C10H2Cl10	-	-	-	-	-
2.14	FP600/TR10000	3.05	-	aramite*	C15H23ClO4S	C	P	NR	15	-
2.15	HN(WB)3/HX(WB)10/ NI(WB)3/NP(WB)34	5	2.4	PPG-847, methylated	C15H9ClF3NO3	-	-	-	-	-
2.17	NI6/TI15	4.2	3.06	carbophenothion oxygen analog	C11H16ClO3PS2	C	NR	NR	6-15-50	1-2-3
2.19		-	-	vamidothion sulfone	C8H18NO6PS2	C	-	-	-	-
2.19	NI(WB)1	4.2	2.38	binapacryl	C15H18N2O6	C	P	P	15	-
2.21	NI2/NP50	-	2.34	chlorfenapyr (prop)	C15H11BrClF3N2O	P	-	S	50	2
2.21	HX2/NI2	3.9	2.77	endosulfan II	C9H6Cl6O3S	C	C	C	15+50	2
2.22	HX9/NI6	4.1	2.99	chlorthiophos oxygen analog	C11H15Cl2O4PS	C	NR	NR	6-15-50	1-2-3
2.23	TR150	2.01	2.42	Perthane	C18H2OCl2	C	C	C	6	1
2.24	FP8	-	2.58	chlorthiophos*	C11H15Cl2O3PS2	C	C	C	6	2
2.24	NI20	-	-	metamitron	C10H10N4O	-	-	-	-	-
2.26	FP54	-	4.4	famphur oxygen analog	C10H16NO6PS	C	-	-	-	-
2.28	NI1.5	-	-	methyl 2,3,5-triiodobenzoate	C8H5I3O2	-	-	-	-	-
2.29	FP(WB)4	-	4.1	fenthion oxygen analog sulfone*	C10H15O6PS2	-	-	-	-	-
2.3	HX19/HX(WB)18/NI125	2.36	2.31	fluazifop butyl ester	C19H20F3NO4	C	C	V	15	3
2.31	NI20/NP50	15	3.93	desisopropyl iprodione	C10H6Cl2N3O3	P		-	50	1-2-3
2.31	TR70	3.26	2.61	chlorobenzilate	C16H14Cl2O3	C	C #	P #	15+50	3
2.33	TR8	5.8	-	Dilan*	C15.5H14Cl2NO2	-	P	P	15	-

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
2.33	TR80	2.9	2.41	chloropropylate	C17H16Cl2O3	P	C	C	15+50	3
2.35	TR4	-	-	endrin aldehyde	C12H8Cl6O	C	P	C	15+50	-
2.35	HX10	-	-	2-chloroethyl palmitate	C18H35ClO2	-	V	P	15	2
2.36	FP8	-	2.77	chlorthiophos*	C11H15Cl2O3PS2	C	C	C	6	2
2.36	NP(WB)12	-	-	etaconazole*	C14H15Cl2N3O2	C	-	-	-	-
2.37		-	-	2,4,5-T propylene glycol butyl ether esters	C15H19Cl3O4	-	-	-	-	-
2.38	NI(WB)2/TI5	3.24	3.14	leptophos photoproduct	C13H11Cl2O2PS	C	-	-	-	-
2.39	FP22	-	4.7	fenthion sulfone	C10H15O5PS2	C	NR	NR	6-15-50	1-2-3
2.4	NI120/NP50	4.3	3	imazethapyr ammonium salt methyl ester	C16H21N3O3	-	-	-	-	-
2.4	TI12	-	3.8	fensulfothion	C11H17O4PS2	C	NR	NR	6-15-50	1-2-3
2.41	NI4	-	-	2,8-dihydromirex	C10H2Cl10	-	C	-	6	-
2.41	TR4	3.8	2.87	TDE, p,p'-	C14H10Cl4	C	C	C	6	1
2.43	NP(WB)12	-	3.17	etaconazole*	C14H15Cl2N3O2	C	-	-	-	-
2.43	NP60	-	4.5	benodanil	C13H10INO	C	-	-	-	-
2.45	TR340	-	-	diisohexyl phthalate*	C20H30O4	-	C	-	15+50	-
2.46	HX9/NI9	-	2.81	flamprop-M-isopropyl	C19H19ClFNO3	C	-	-	-	-
2.47	NI100	-	-	mirex, 5,10-dihydro-*	C10H2Cl10	-	-	-	-	-
2.49	TI10	-	5	fensulfothion oxygen analog	C11H17O5PS	C	NR	-	6-15-50	-
2.5	NI1700/NP8	14	5	oxadixyl	C14H18N2O4	C	NR	NR	6-15-50	1-2-3
2.51	HN(WB)1/HX(WB)12/ NI(WB)9/NP(WB)90	4	4.2	pyrithiobac-sodium methyl ester	C14H13ClN2O4	-	-	-	-	-
2.52	HX1/NI2	3.33	2.61	nonachlor, cis-	C10H5Cl9	C	C	C	6	1
2.53	TR5	2.66	-	Compound K*	C10H6Cl8	-	C	-	-	1
2.55	NI(V)250	-	-	hydramethylnon*	C25H24F6N4	-	-	-	-	-
2.55	TR4	-	-	endrin alcohol	C12H8Cl6O	-	P	C	15+50	2+3
2.55	TR4	2.27	2.7	DDT, o,p'-	C14H9Cl5	C	C	C	6	1
2.56	FP8	-	3.16	chlorthiophos*	C11H15Cl2O3PS2	C	C	C	6	2
2.56	TR20	3.1	-	2,4,5-T isooctyl ester*	C16H21Cl3O3	-	-	-	-	-
2.56	FP(WB)1.9/NI(WB)3/NP2	3.93	3.36	ethion	C9H22O4P2S4	C	C	C	6	2
2.62	HX(WB)260	-	-	pyrazon metabolite A	C16H18ClN3O6	-	-	-	-	-

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RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
2.62	HX17	18.6	5.4	ofurace	C14H16NO3Cl	C	-	-	-	-
2.62	FP(WB)3	-	5.2	triazophos	C12H16N3O3PS	C	-	-	-	-
2.64	NI(WB)1	2.33	2.8	tetrasul	C12H6Cl4S	C	C	C	6	1
2.65	FP8/TI40	14	5	famphur	C10H16NO5PS2	C	NR	-	6-15-50	-
2.66	TR340	-	-	diisohexyl phthalate*	C20H30O4	-	C	-	15+50	-
2.67	NI7	-	-	10,10-dihydromirex	C10H2Cl10	-	C	-	6	-
2.67	HN(WB)8/HX(WB)30/ NI(WB)26/NP(WB)56	13	8	pyrazon	C10H8ClN3O	C	NR	NR	6-15-50	1-2-3
2.72	NI500/NP500	-	-	WAK4103*	C9H9N5O3Cl	-	NR	NR	6-15-50	1-2-3
2.75	NI(WB)2	1.67	2.38	chlordecone	C10H8Cl10O5	-	S #	P #	15+50	1-2-3
2.78	FP(WB)14	-	3.6	sulprofos sulfoxide*	C12H19O3PS3	C	-	-	-	-
2.79	FP(WB)47	-	3.5	sulprofos	C12H19O2PS3	C	-	-	-	-
2.8	NI9/NP7	-	3.6	fensulfothion sulfone	C11H17O5PS2	C	NR	-	6-15-50	-
2.81	TR8	7.5	-	Dilan*	C15.5H14Cl2NO2	-	P	P	15	-
2.81	NI(WB)1	7.5	3.9	Prolan	C15H13Cl2NO2	P	S	S	15	2
2.83	HX4/TR5	8.3	4	endosulfan sulfate	C9H6Cl6O4S	C	C	C	50	2
2.85	TR35	1.19	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
2.85	TR5	4.7	-	chlornitrofen	C12H6Cl3NO3	C	C	C	6+15	2
2.87	HX(WB)160/NI(WB)57/ NP(WB)140	-	4.6	vinclozolin metabolite F	C11H13Cl2NO4	R	NR	NR	6-15-50	1-2-3
2.87	FP(WB)4/NI(WB)4	6.3	5.3	edifenphos	C14H15O2PS2	C	-	-	-	-
2.9	TR340	-	-	diisohexyl phthalate*	C20H30O4	-	C	-	15+50	-
2.9		-	3.7	1,1'-(2,2-dichloroethylidene)bis(2-methoxybenzene)	C16H16Cl2O2	-	R	-	-	-
2.91	TR4	3.3	-	2,4,5-T butoxyethyl ester*	C14H17Cl3O4	-	-	-	-	-
2.91	HN(WB)3/NP(WB)15	-	-	hexazinone	C12H20N4O2	P	NR	NR	6-15-50	1-2-3
2.94	TI15/TR4	4.2	3.7	carbophenothion	C11H16ClO2PS3	C	C	P	6	2
2.95	NI25	2.84	2.7	pyrethrins*	C21H27O4	-	C	C	50	-
2.96	TR20	3.4	-	2,4,5-T isooctyl ester*	C16H21Cl3O3	-	-	-	-	-
2.96	NI15/NP50	11.5	4.1	CL 202,347	C13H19N3O5	-	-	-	-	-
2.97	NI(WB)8	3.7	4.2	methoxychlor olefin	C16H14Cl2O2	C	C	C	6	2
3	NP300	-	1.18	NTN33823	C9H11N4Cl	-	NR	NR	6-15-50	1-2-3

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
3.03	NI170	2.74	2.88	ethephon	C2H6ClO3P	NR		-	6+15+50	1+2+3
3.06	NI10/NI(WB)17	-	-	propiconazole*	C15H17Cl2N3O2	C	NR	NR	6-15-50	1-2-3
3.06	HN(WB)1.4/NP(WB)29	-	-	IN-A3928	C11H18N4O2	S	NR	NR	6-15-50	1-2-3
3.06	NI(WB)1	7.5	4.4	Bulan	C16H15Cl2NO2	C	P	P	15	2
3.06	NI35	5.1	4.5	butyl benzyl phthalate	C19H20O4	-	C	P	15+50	-
3.1	NI900/NP100	14.8	7.1	phosmet oxygen analog*	C11H12NO5PS	-	NR	NR	6-15-50	-
3.1	FP3.5/NI3/NP(WB)3	8.2	4.6	cyanofenphos	C15H14NO2PS	C	-	-	-	-
3.1	NI(WB)2/NP(WB)220	-	3.7	fenhexamid	C14H17Cl2NO2	NR	NR	NR	6-15-50	1-2-3
3.11	NI3	-	5.4	captafol	C10H9Cl4NO2S	C	P	-	50	3
3.13	TR4	3.6	3.5	DDT, p,p'-	C14H9Cl5	C	C	C	6	1
3.14	NI4/NP40	-	-	bromoxynil octanoate	C15H17Br2NO2	-	V #	-	15+50	2
3.21	NI100	-	-	mirex, 5,10-dihydro-*	C10H2Cl10	-	-	-	-	-
3.21	NI10/NI(WB)17	5.6	4	propiconazole*	C15H17Cl2N3O2	C	NR	NR	6-15-50	1-2-3
3.22	TR60	2.09	-	2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
3.25	TR20	3.8	-	2,4,5-T isooctyl ester*	C16H21Cl3O3	-	-	-	-	-
3.26	NP(WB)30	5.8	4.67	clodinafop-propargyl	C17H13ClFNO4	V	V	-	50	3
3.27	TR340	-	-	diisohexyl phthalate*	C20H30O4	-	C	-	15+50	-
3.28	FS(WB)17/HN(WB)3/ NP(WB)130	-	9.4	oxycarboxin	C12H13NO4S	R	-	-	-	-
3.3	TR35	2.78	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
3.3	NI(WB)0.1/NP(WB)37	-	7.5	3-desmethyl sulfentrazone	C10H8Cl2F2N4O3S	-	NR	NR	6-15-50	1-2-3
3.3	NI(WB)2	4.5	5	methoxychlor, o, p'-	C16H15Cl3O2	-	C	-	6	-
3.32	NI100/NP10	-	-	tralkoxydim*	C20H27NO3	V	NR	NR	50	1-2-3
3.34	NI50	-	-	sethoxydim	C17H29NO3S	-	NR	NR	6-15-50	3
3.36	NI5	7.3	4.8	nuarimol	C17H12ClFN2O	C	NR	C #	50	1-2-3
3.38	HX(WB)3/NI27	1.41	4.9	desmethyl norflurazon	C11H7ClF3N3O	V	NR	NR	6-15-50	1-2-3
3.38	HX(WB)1	-	4.2	tebuconazole	C16H22ClN3O	C	-	-	-	-
3.38	NI5	-	2.62	2,4,5-T ethylhexyl ester	C16H21Cl3O3	-	-	-	-	-
3.39	TR8	8.2	-	Dilan*	C15.5H14Cl2NO2	-	P	P	15	-
3.57	HX8/NI10	4.9	4.7	diclofop-methyl	C16H14Cl2O4	C	C	C	15	2
3.6	NI60	37.1	7.5	myclobutanil alcohol metabolite	C15H17ClN4O	S	NR	NR	6-15-50	1-2-3
3.6	TR5	10.3	-	endrin ketone	C12H8Cl6O	-	C	C	50	2

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Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
3.7	FP20	-	10.1	azinphos-methyl oxygen analog	C10H12N3O4PS	C	-	-	-	-
3.74	NI5	-	-	8-monohydromirex	C10HCl11	-	C	-	6	-
3.8	FP600/FP(WB)8/NI160	-	6.2	phosalone oxygen analog	C12H15ClNO5PS	C	-	-	-	-
3.8	NI36/TI35	-	7.1	carbophenothion oxygen analog sulfone	C11H16ClO5PS2	-	-	-	-	-
3.8	NI(WB)1	24	6.3	nitralin	C13H19N3O6S	C	P	P	50	3
3.8	FS45/NI(WB)230	4.8	4.3	propargite	C19H26O4S	C	C	-	15	2
3.9	NI(WB)0.8/NP(WB)18/ HX(WB)5	-	-	zoxamide*	C14H16NO2Cl3	C	C	-	50	3
4	NI(WB)6	-	3.9	dinocap*	C18H24N2O6	C	P	P	15	2
4	NI1000/NP1000	15	4.2	KWG 1342	C14H18ClN3O3	-	-	-	-	-
4	NI(WB)2/NP19	14.9	8.4	phosmet	C11H12O4NPS2	C	NR	-	6-15-50	3
4.1	TR60	5.1	-	2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
4.1	NI5	1.08	0.91	dicofol, o,p'-*	C14H9Cl5O	C	V	S	6+15	2
4.1	HX15	-	-	2-chloroethyl linoleate	C20H35ClO2	-	V	P	15	2
4.2	HX13/NI15/NP15	18	6.3	iprodione*	C13H13Cl2N3O3	C	S #	NR	50	1-2-3
4.2	FP60/TI65	7.6	6.5	leptophos oxygen analog	C13H10BrCl2O3P	C	-	-	-	-
4.2	TI250	-	2.87	carbophenothion oxygen analog sulfoxide	C11H16ClO4PS2	-	-	-	-	-
4.2	NI(WB)16	14	8.7	pyridaphenthion	C14H17O4N2SP	C	-	-	-	-
4.26	NI7	-	-	10-monohydromirex	C10HCl11	-	C	-	6	-
4.3	NI100	-	-	mirex, 5,10-dihydro-*	C10H2Cl10	-	-	-	-	-
4.3	NI50	-	-	tetramethrin*	C19H25NO4	C	NR	NR	6-15-50	1-2-3
4.3	NI(WB)6	6.9	4.4	dinocap*	C18H24N2O6	C	P	P	15	2
4.3	NI(WB)3	8.4	6	benzoylprop-ethyl	C18H17Cl2NO3	P	NR	NR	6-15-50	1-2-3
4.4	NI5	1.28	1.08	dicofol, p,p'-*	C14H9Cl5O	C	V	P #	6+15	1+2
4.4	TR12	6.5	-	bromopropylate	C17H16Br2O3	C	C #	C #	15+50	1-2-3
4.4	TR6	15.5	8.5	photodieldrin	C12H8Cl6O	-	C	C	15+50	2
4.5	NI50	8.5	7.2	tetramethrin*	C19H25NO4	C	NR	NR	6-15-50	1-2-3
4.5	FP50/NP20	-	8.4	fenamiphos sulfone	C13H22NO5PS	C	NR	NR	6-15-50	1-2-3
4.5	HX50	-	5.01	norflurazon	C12H9ClF3N3O	V	NR	NR	6-15-50	-
4.5	NI0.5/TI16	10.6	6.9	EPN	C14H14NO4PS	C	C	C	15	2

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
4.6	HX8	-	-	fenarimol metabolite C	C17H14N2OCl2	S		-	6	-
4.6	HX19	-	-	fenarimol metabolite B	C17H14N2OCl2	NR	NR	NR	6-15-50	-
4.7	NI500/NP500	-	-	WAK4103*	C9H9N5O3Cl	-	NR	NR	6-15-50	1-2-3
4.7	HN(WB)390/NI(WB)400	-	-	IN-T3937	C12H20N4O3	S	-	-	-	-
4.7	HN(WB)73/NI(WB)230	-	- -	IN-T3935	C11H18N4O3	S	-	-	-	-
4.7	HX20/NI6	10.3	6.9	chlorthiophos sulfoxide	C11H15Cl2O4PS2	C	NR	NR	6-15-50	1-2-3
4.7	NI(WB)1	8.6	7.2	tetrasul sulfoxide	C12H6Cl4OS	-	-	-	-	-
4.7	NI8800	-	-	oryzalin	C12H8N4O6S	-	NR	NR	6-15-50	-
4.7	NI(WB)12	53	11.3	dithianon	C14H4O2N2S2	NR	-	-	-	-
4.7	TR9	7.2	7.2	methoxychlor, p, p'-	C16H15Cl3O2	C	C	C	6	2
4.8	NI(WB)6	7.7	4.8	dinocap*	C18H24N2O6	C	P	P	15	2
4.8	NI7/NI(WB)0.2/NP30	7	5.7	fenpropathrin	C22H23NO3	-	V #	V	15	2
4.8	FP15	9.7	6.8	piperophos	C14H28NO3PS2	C	-	-	-	-
4.8	NP(WB)40	6.6	6.3	cloquintocet-mexyl	C18H22ClNO3	V	NR	-	6-15-50	1-2-3
4.9	NI8	3.8	4.5	bifenthrin	C23H22ClF3O2	V	C	-	6+15	2
5	NI550/NP210	-	-	NTN35884*	C9H9N5O2Cl	-	NR	NR	6-15-50	1-2-3
5	NP50	-	7.3	fenoxycarb	C17H19NO4	C	-	-	-	-
5	HX16/NI4	14.9	8.8	bifenox	C12H9Cl2NO5	C	C	P	15+50	2+3
5.1	NI(WB)6	9.5	5.6	dinocap*	C18H24N2O6	C	P	P	15	2
5.1	FP(WB)80	-	10.6	sulprofos oxygen analog sulfone	C12H19O5PS2	C	-	-	-	-
5.1	FP3/TI20	-	9.2	carbophenothion sulfone	C11H16ClO4PS3	C	C	P	6	1
5.2	FP50/NP55	-	8.1	fenamiphos sulfoxide	C13H22N04PS	C	NR	NR	6-15-50	1-2-3
5.2	TR6	-	8.3	tetradifon	C12H6Cl4O2S	C	C	C	15	2
5.2	TI30/TR50	-	11.8	azinphos-methyl	C10H12N3O3PS2	C	NR	NR	6-15-50	1-2-3
5.3	TR35	3.28	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
5.3	HX20/NI9	18.8	9.1	chlorthiophos sulfone	C11H15Cl2O5PS2	C	C	-	50	3
5.3	HX(WB)20/NI1000	-	7.5	iprodione metabolite isomer	C13H13Cl2N3O3	C	S	-	50	-
5.4	NI500/NI(WB)40	4.8	6.5	phenothrin*	C23H26O3	-	-	-	-	-
5.4	NP20	-	5.3	carbosulfan	C20H32N2O3S	P	-	-	-	-
5.4	FP3/TI35	-	4	carbophenothion sulfoxide	C11H16ClO3PS3	-	-	-	-	-
5.5	TR850	-	-	diisooctyl phthalate*	C24H38O4	-	C	C	15+50	-
5.5	NP10/TR15	5.5	9.1	phosalone	C12H15ClNO4PS2	C	C	C	50	2+3

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RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
5.8	FP14/TI20/TR11	7.7	8.5	leptophos	C13H10BrCl2O2PS	C	C	C	6	2
5.8	NI7	2.95	5.6	mirex	C10Cl12	P	C	P	6	1
5.9	HN(WB)10.5/HX20/NI100	-	9.8	clofentezine	C14H8Cl2N4	R	S	-	15	2
6.1	NI100/NP10	1.48	4.5	tralkoxydim*	C20H27NO3	V	NR	NR	50	1-2-3
6.1	FP(WB)14	-	11.7	sulprofos sulfoxide*	C12H19O3PS3	C	-	-	-	-
6.2	TR850	-	-	diisooctyl phthalate*	C24H38O4	-	C	C	15+50	-
6.4	NI(V)200	4.5	6.1	bis(2-ethylhexyl) phthalate	C24H38O4	-	C	C	15+50	-
6.5		-	11.5	myclobutanil dihydroxy metabolite	C15H17N4O2Cl	NR	NR	NR	6-15-50	1-2-3
6.5	TI30/TR28	-	14.3	dialifor	C14H17ClNO4PS2	C	C	P	15	2
6.6	HX10/NI5	-	10.1	fenarimol	C17H12Cl2N2O	C	P #	C #	50	3
6.6	TR500	-	-	n-acetyl nitrofen	C14H11Cl2NO2	-	-	-	-	-
6.7	TR850	-	-	diisooctyl phthalate*	C24H38O4	-	C	C	15+50	-
6.7	NI1000	-	1.59	CGA 205375	C16H13N3O2Cl2	-	-	-	-	-
6.7	NI13	-	-	PPG-1576	C19H17ClF3NO5	-	-	P	50	2+3
6.9	TI58/TR200	-	14.8	azinphos-ethyl	C12H16N3O3PS2	C	P	S	50	3
7	TR35	7.7	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
7	NI30/NP4000	-	11	tebufenozide	C22H28N2O2	-	NR	NR	6-15-50	1-2-3
7	NI40	-	11.4	CGA 118244	C15H13Cl2N3O3	V	NR	NR	6-15-50	1-2-3
7.2	FP(WB)16	-	13.1	sulprofos sulfone	C12H19O4PS3	C	-	-	-	-
7.3	NI10	-	-	lactofen	C19H15ClF3NO7	-	-	C	50	2+3
7.4	NI10	-	8	lambda-cyhalothrin	C23H19ClF3NO3	C	-	-	-	-
7.5	TR850	-	-	diisooctyl phthalate*	C24H38O4	-	C	C	15+50	-
7.9	NI90/NP300	-	-	RH-6467*	C19H15N4ClO	S	NR	NR	6-15-50	1-2-3
7.9	NI20	10.8	12.6	HOE-030291	C17H16Cl2O5	-	-	-	-	-
8	NI200/NP130	45	16	coumaphos oxygen analog	C14H16ClO6P	C	NR	NR	6-15-50	1-2-3
8.1	NI250	11.3	10.5	fenoxaprop ethyl ester	C18H16NO5Cl	S	V	V	50	3
8.1	FP(WB)12	-	13	pyrazophos	C14H20N3O5PS	C	-	-	-	-
9	TR850	-	-	diisooctyl phthalate*	C24H38O4	-	C	C	15+50	-
9	NI39/NP38	40	18	coumaphos	C14H16ClO5PS	C	NR	C #	6-15-50	3
9.4		-	11.8	bitertanol*	C20H23N3O2	C	-	-	-	-
9.4	NI75	11.1	13.8	permethrin, cis-	C21H20Cl2O3	C	V #	C	6+15	2
9.5	FP100/NI(WB)9/TI190	-	20.2	bensulide	C14H24NO4PS3	C	P	C	50	3

Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
9.7		-	12.5	bitertanol*	C20H23N3O2	C	-	-	-	-
9.7	TR7	-	-	hexachlorophene dimethyl ether	C15H10Cl6O2	-	NR	NR	6-15	-
9.8	NI1000/NP70	-	-	fenbuconazole	C19H17ClN4	C	NR	NR	6-15-50	1-2-3
10.2	TR60	13	-	2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
10.2	NI100	13	15	permethrin, trans-	C21H20Cl2O3	C	V #	C	6+15	2
10.4	NI90/NP300	-	-	RH-6467*	C19H15N4ClO	S	NR	NR	6-15-50	1-2-3
10.4	NI15/NP125	12.8	8.9	acrinathrin	C26H21F6NO5	V	V	V#	15	2
10.4	HX50/NI12	-	15.4	prochloraz	C15H16Cl3N3O2	C	-	-	-	-
10.5	TR850	-	-	diisooctyl phthalate*	C24H38O4	-	C	C	15+50	-
11.5	NI500/NI(WB)40	10.9	15	phenothrin*	C23H26O3	-	-	-	-	-
11.7	HX30/NI30	-	-	cyfluthrin*	C22H18Cl2FNO3	C	P	-	15	-
12	NI50	8.9	6.1	CGA 205374	C16H11N3O2Cl2	-	NR	NR	6-15-50	1-2-3
12	NI50/NP170	-	-	RH-9130	C19H16N3ClO2	P	NR	NR	6-15-50	1-2-3
12	NI(V)330	-	-	di-n-octyl phthalate	C24H38O4	-	C	C	15+50	-
12.4	NP(WB)14	-	-	flumetsulam, methylated	C13H11F2N5O2S	-	-	-	-	-
12.5	HX30/NI30	-	-	cyfluthrin*	C22H18Cl2FNO3	C	P	-	15	-
12.8	HX30/NI30	-	-	cyfluthrin*	C22H18Cl2FNO3	C	P	-	15	-
13	NI(WB)2	13	16	hexachlorophene	C13H6Cl6O2	-	NR	NR	6-15-50	-
13.6	HX70/NI80	-	25	quizalofop ethyl ester	C19H17ClN2O4	C	-	-	-	-
14	NI40/NP190	-	-	RH-9129	C19H16N3ClO2	V	NR	NR	6-15-50	1-2-3
14	HX9/NI22	-	-	alpha-cypermethrin	C22H19Cl2O3N	C	C	-	-	2
14	NI(WB)90	-	-	azafenidin	C15H13Cl2N3O2	V	-	-	-	-
14.1	NI90	33	23	cypermethrin*	C22H19Cl2NO3	C	C	C	15	2
14.7	NI40/NI(WB)15	36.9	21.4	flucythrinate*	C26H23F2NO4	C	C	-	15	2+3
15	NI90/NP300	-	-	RH-6467*	C19H15N4ClO	S	NR	NR	6-15-50	1-2-3
15.1	NI90	36	25	cypermethrin*	C22H19Cl2NO3	C	C	C	15	2
16.1	NI40/NI(WB)15	42	24	flucythrinate*	C26H23F2NO4	C	C	-	15	2+3
16.3	HX400/NI1500	24	-	fluridone	C19H14F3NO	-	NR	NR	6-15-50	-
17	NI200	-	6.2	deltamethrin, trans-*	C22H19Br2NO3	-	P #	NR	15	2
17.1	NI1300	-	21	deltamethrin*	C22H19Br2NO3	C	S #	P	15	2
20.3	NI90	44	35	fenvalerate*	C25H22ClNO3	C	C	C	15	2
20.7	NI500/NP500	-	-	WAK4103*	C9H9N5O3Cl	-	NR	NR	6-15-50	1-2-3

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Appendix I: PESTDATA Chemicals in Order by OV-101 Relative Retention Time (continued)

RRT/c OV-101	Detector Responses with OV-101 Column	RRT/c OV-225	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
22.5	NI90	51	40	fenvalerate*	C25H22ClNO3	C	C	C	15	2
22.5	NI90	-	-	esfenvalerate	C25H22ClNO3	C	C	C	15	2
23	NI150/NP300	57	43	PB-7, methylated	C20H25ClN2O3S	-	-	-	-	-
25		59	38	fluvalinate*	C26H22ClF3N2O3	C	C	-	15	2
25	NI300/NP500	87	46	PB-9	C19H25ClN2O2S	V	NR	NR	6-15-50	1-2-3
27	NI1300	-	35	deltamethrin*	C22H19Br2NO3	C	S #	P	15	2
27	NI30/NI(WB)1	64	44	tralomethrin	C22H19Br4NO3	C	V	S	15	2
29	NI200	-	20	deltamethrin, trans-*	C22H19Br2NO3	-	P #	NR	15	2
29	NI1300	19.9	38	deltamethrin*	C22H19Br2NO3	C	S #	P	15	2
31	NI200	19.7	38	deltamethrin, trans-*	C22H19Br2NO3	-	P #	NR	15	2
32	NI(V)250	4.5	-	hydramethylnon*	C25H24F6N4	-	-	-	-	-
44	NI(V)250	53	-	hydramethylnon*	C25H24F6N4	-	-	-	-	-

Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.08		-	-	2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
0.08	NI40	0.06	0.04	CGA 171683	C6H5F4N3O2	C		-	15+50	3
0.08		0.19	0.1	2-methoxy-3,5,6-trichloropyridine	C6H4Cl3NO	C	P#	C	6+15	1+2
0.08	FP(WB)0.7	0.07	0.08	dichlorvos	C4H7Cl2O4P	C	NR	NR	6-15-50	1-2-3
0.09	NI27	0.11	0.11	diuron	C9H10Cl2N2O	C	NR	NR	6-15-50	1-2-3
0.11		-	0.09	teflubenzuron*	C14H6Cl2F4N2O2	-	NR	NR	6-15-50	1-2-3
0.12	NI0.2	0.18	0.21	etridiazole	C5H5Cl3N2OS	C	C	P	6	2
0.13	NI0.25	0.24	0.16	pentachlorobenzene	C6HCl5	C	C	C	6	1
0.14		0.16	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
0.14	NI12	0.17	0.1	N-(3,4-dichlorophenyl)-N'-methylurea	C8H8Cl2N2O	-	NR	NR	6-15-50	-
0.14	NI6	0.22	0.1	3,4-dichlorophenylurea	C7H6Cl2N2O	-	NR	NR	6-15-50	-
0.15		0.13	0.1	chlorimuron ethyl ester	C15H15ClN4O6S	P	NR	-	-	-
0.15	NI0.2	0.24	0.22	2,3,5,6-tetrachloroanisole	C7H4Cl4O	-	C	-	6	1
0.15		0.15	0.14	dimethyl phthalate	C10H10O4	-	P	-	6+15+50	-
0.18		0.19	-	dicamba methyl ester	C8H6Cl2O3	-	-	-	-	-
0.18	NI0.9	0.2	0.2	nitrapyrin	C6H3Cl4N	C	C	V	6	2
0.19		0.19	-	chloroneb	C8H8Cl2O2	C	C	-	6	2
0.19		-	-	molinate	C9H17NOS	-	-	-	-	-
0.21		0.23	0.18	methyl 2,3,6-trichlorobenzoate	C8H5Cl3O2	-	-	-	-	-
0.22	NI2	0.17	0.13	3-methyl-4-nitrophenol methyl ether	C8H9O3N	-	-	-	-	-
0.22	NI1	0.19	0.14	N, N-diallyl dichloroacetamide	C8H11Cl2NO	C	S	S	15+50	2+3
0.23		0.14	0.14	teflubenzuron*	C14H6Cl2F4N2O2	-	NR	NR	6-15-50	1-2-3
0.23	FP0.5/NI0.3	0.33	0.24	chlorethoxyfos	C6H11Cl4O3PS	V	C	-	6	1
0.23	FS25	0.13	0.11	carboxin sulfoxide	C12H13NO3S	-	NR	NR	6-15-50	1-2-3
0.24		0.15	-	hydroxy chloroneb	C7H6Cl2O2	-	NR	-	6-15	-
0.24		-	-	carbofuran-3-keto-7-phenol	C10H10O3	-	-	-	-	-
0.25	NI100	0.22	0.2	3-carboxy-5-ethoxy-1,2,4-thiadiazole	C3H2N2O3S	NR	-	-	-	-
0.25	FP4	0.07	0.09	methamidophos	C2H8NO2PS	V	-	-	-	-
0.25	NI0.3	0.45	0.33	hexachlorobenzene	C6Cl6	C	C	P	6	1

* Multipeak chemical.

Recovery may vary with choice of Florisil elution system; see Tables 303-a, 304-a.

Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.26		0.42	0.33	di-allate	C10H17ClNOS	C	C	-	6	-
0.26		0.29	0.24	tecnazene	C6HCl4NO2	C	C	C	6	1
0.27	FP(WB)1	0.37	0.29	cadusafos	C10H23O2PS2	C	NR	NR	6-15-50	1-2-3
0.27	NI0.4	0.34	0.19	ethalfluralin	C13H14F3N3O4	C	C	C	6	2
0.27		0.34	0.17	trifluralin	C13H16F3N3O4	C	C	C	6	2
0.27	NI20/NI(WB)25	0.18	0.14	3,5-dichloroaniline	C6H5Cl2N	S	S	S	6+15	1+2
0.27	NI13700	0.21	0.24	TEPP	C8H20O7P2	C	-	-	-	-
0.28	NI2	0.37	0.18	benfluralin	C13H16F3N3O4	C	C	C	6	2
0.29	NI1000	0.44	0.45	desmedipham	C16H16N2O4	-	-	-	-	-
0.3		0.46	0.34	pentachlorophenyl methyl ether	C7H3Cl5O	C	C	C	6	1
0.31		0.33	0.25	ethoprop	C8H19O2PS2	C	P #	S #	50	1-2-3
0.32		0.22	0.21	demeton-O oxygen analog	C8H19O4PS	-	-	-	-	-
0.32	NI30	0.2	0.16	3,4-dichloroaniline	C6H5Cl2N	V	S	-	15	-
0.35	NI0.3	0.49	0.48	1,2,4,5-tetrachloro-3-(methylthio)= benzene	C7H4Cl4S	R	C	-	6	1
0.36		0.36	0.39	triclopyr methyl ester	C8H6Cl3NO3	-	-	-	-	-
0.37	FP0.5	0.3	0.29	phorate oxygen analog	C7H17O3PS2	C	NR	NR	6-15-50	1-2-3
0.37	NI9/NI(WB)5	0.34	0.26	propachlor	C11H14ClNO	C	NR	NR	6-15-50	1-2-3
0.38		0.3	0.25	2,4-D methyl ester	C9H8Cl2O3	-	-	-	-	-
0.38	FP0.5/NI17	0.37	0.32	phorate	C7H17O2PS3	C	V #	V #	6	1
0.4	NI0.3	0.56	0.32	chlordene	C10H6Cl6	-	C	C	6	1
0.4	FP6/NI4.5	0.51	0.44	diazinon	C12H21N2O3PS	C	C	C	15	3
0.42	NP20	0.47	0.53	terbumeton	C10H19N5O	C	-	-	-	-
0.43		0.32	0.25	chlorpropham	C10H12ClNO2	C	C	C	15	2
0.44		0.32	0.36	3, 5, 6-trichloro-2-pyridinol methyl ester	C6H4Cl3NO	-	-	-	-	-
0.44		0.45	-	silvex methyl ester	C10H9Cl3O3	-	-	-	-	-
0.44		0.5	0.41	terbufos	C9H21O2PS3	C	P	S	6	-
0.44	NI1	0.38	0.36	sulfallate	C8H14ClNS2	C	C	C	6+15	2
0.46	NI1	0.53	0.3	profluralin	C14H16F3N3O4	V	V	-	6	-
0.46		0.51	0.46	quintozene	C6Cl5NO2	C	C	C	6	1
0.48		0.4	0.35	BHC, alpha-	C6H6Cl6	C	C	C	6	1

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Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.49		0.31	0.32	metasystox thiono*	C6H15O3PS2	-	-	-	-	-
0.49	NI(WB)1.5	0.56	0.47	methyl 3,5-dibromo-4-methoxy= benzoate	C9H8Br2O3	-	-	-	-	-
0.49		0.28	0.32	metasystox thiol	C6H15O3PS2	C	-	-	-	-
0.49		0.46	0.31	oxydemeton-methyl	C6H15O4PS2	C	-	-	-	-
0.5	NI(WB)70	0.25	0.16	cymoxanil	C7H10N4O3	V	NR	NR	6-15-50	1-2-3
0.51	NI0.5	0.26	0.23	RPA 203328, methylated	C10H9F3O4S	-	-	-	-	-
0.51		0.41	0.4	thiometon	C6H15O2PS3	C	NR	NR	6-15-50	-
0.52		0.83	0.6	heptachlor	C10H5Cl7	C	C	C	6	1
0.53	NI600	0.5	0.24	phosmet oxygen analog*	C11H12NO5PS	-	NR	NR	6-15-50	-
0.53	NI60	0.5	0.47	diazinon oxygen analog	C12H21N2O4P	C	NR	NR	6-15-50	1-2-3
0.53		0.39	0.38	fonofos oxygen analog	C10H15O2PS	V	NR	NR	6-15-50	1-2-3
0.56		0.52	0.44	fonofos	C10H15OPS2	C	C	C	6	2+3
0.56		0.41	0.41	demeton-S	C8H19O3PS2	C	NR	-	6-15-50	-
0.58		1.05	0.76	aldrin	C12H8Cl6	C	C	C	6	1
0.59	NI150	0.45	0.46	clomazone	C12H14ClNO2	C		-	50	3
0.59	NI30	0.58	0.51	etrimfos	C10H17N2O4PS	C	C	C	15	2+3
0.59		0.5	0.45	pentachlorobenzonitrile	C7Cl5N	C	C	P	15	2
0.6	NI1.6	0.46	0.39	furilazole	C11H13Cl2NO3	C	S	-	50	3
0.6	NP10	0.35	0.38	2,3,5-trimethacarb	C11H15NO2	C	S #	NR	50	1-2-3
0.6		0.54	0.46	disulfoton	C8H19O2PS3	C	P #	NR	6	1-2-3
0.61		0.65	0.56	diisobutyl phthalate	C16H2204	-	P	-	15+50	-
0.62		-	-	2,4-D isopropyl ester*	C11H12Cl2O3	-	-	-	-	-
0.62		0.62	0.49	2,4-D isobutyl ester	C12H14Cl2O3	-	-	-	-	-
0.63		0.49	0.47	2,4,5-T methyl ester	C9H7Cl3O3	-	-	-	-	-
0.63	NI250	0.38	0.26	3-methyl-4-nitrophenol	C7H7O3N	V	NR	NR	6-15-50	1-2-3
0.63	NI0.4	0.56	0.56	2,3,5,6-tetrachloronitroanisole	C7H3Cl4NO3	-	C	-	6	1+2
0.64		0.82	0.67	chlordene, alpha-	C10H6Cl6	-	-	-	-	-
0.64	FP5	0.15	0.19	acephate	C4H10NO3PS	C	-	-	-	-
0.64		0.67	0.56	dichlofenthion	C10H13Cl2O3PS	C	C	V	6	2
0.65		1.34	1.43	merphos*	C12H27PS3	-	C	C	6+15+50	3
0.65		0.84	-	chlordene epoxide	C10H6Cl6O	-	C	-	15	-

Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.65	NI37	0.53	0.41	propazine	C9H16ClN5	C	S	NR	15+50	3
0.65		0.67	-	2,4,5-T isopropyl ester	C11H11Cl3O3	-	-	-	-	-
0.66		0.68	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
0.69	NI1.6	0.5	0.48	4-(dichloroacetyl)-1-oxa-4-azapiro=[4.5]decane	C10H15Cl2NO2	C	P	-	50	3
0.69	NI0.5	0.94	0.87	pentachlorophenyl methyl sulfide	C7H3Cl5S	C	C	C	6	1
0.69		0.48	0.47	lindane	C6H6Cl6	C	C	C	6	1
0.7	NI2550	0.35	0.41	methabenzthiazuron	C10H11N3OS	C	NR	NR	6-15-50	1-2-3
0.71	NI43	0.47	0.48	terbuthylazine	C9H16N5Cl	C	P	-	15+50	-
0.72		0.62	-	2,4-DB methyl ester	C11H12Cl2O3	-	-	-	-	-
0.73	NI0.5	0.59	0.66	2,3,5,6-tetrachloroanisidine	C7H5Cl4NO	-	C	-	6	2
0.74		0.69	-	2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
0.74		0.42	0.33	2,4-D isopropyl ester*	C11H12Cl2O3	-	-	-	-	-
0.74		0.43	0.44	atrazine	C8H14ClN5	C	S #	NR	50	1-2-3
0.75		0.42	0.45	chlorbufam	C11H10ClNO2	C		-	15	2+3
0.76		0.53	0.37	fluchloralin	C12H13ClF3N3O4	C	C	-	6	2
0.78	NP200	0.45	0.5	3,4,5-trimethacarb	C11H15NO2	C	NR	NR	50	1-2-3
0.79	NI160	0.5	0.44	metribuzin, deaminated diketo metabolite*	C7H11N3O2	NR	NR	NR	6-15-50	1-2-3
0.79	NI0.5	0.67	0.66	pentachloroaniline	C6H2Cl5N	C	C	C	6	1
0.8		0.51	0.63	etrimfos oxygen analog	C10H17N2O5P	C	-	-	-	-
0.8	NI20	0.55	0.63	isazofos	C9H17ClN3O3PS	C	C #	-	50	2+3
0.8	NI2	0.75	0.68	CGA 14128	C12H21N2O4PS	C		-	50	1-2-3
0.8	NI80	0.3	0.53	desethyl simazine	C5H8ClN5	-	NR	NR	50	1-2-3
0.83	NI130	0.41	0.5	simazine	C7H12ClN5	C	NR	NR	50	1-2-3
0.84		0.98	0.89	chlordene, beta-	C10H6Cl6	-	-	-	-	-
0.84	NI3	0.51	0.4	pronamide	C12H11Cl2NO	C	P	-	15+50	-
0.85	NI1	0.81	0.75	tridiphane	C10H7Cl5O	C	C	-	6	1+2
0.85		0.81	-	chloroxuron	C15H15ClN2O2	C	NR	NR	6-15-50	1-2-3
0.86		0.72	0.79	chlorpyrifos-methyl	C7H7Cl3NO3PS	C	C	-	6	2
0.86	NI20	0.2	0.61	desdiethyl simazine	C3H4ClN5	-	NR	NR	6-15-50	1-2-3
0.86		0.55	1.04	tetraiodoethylene	C2I4	-	P	P	6	-

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Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.86	NI2	0.81	0.76	ronnel	C8H8Cl3O3PS	C	C	C	6	2
0.88	NI5	0.75	0.67	acetochlor	C14H20NO2Cl	C	C #	P	50	3
0.89	NI1	0.98	0.88	chlordene, gamma-	C10H6Cl6	-	-	-	-	-
0.91		1.08	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
0.91	NI180	0.48	0.48	monolinuron	C9H11ClN2O2	C	-	-	-	-
0.92	NI(WB)13	0.25	0.28	oxamyl oxime metabolite	C5H10N2O2S	C	NR	NR	6-15-50	1-2-3
0.92		0.55	-	dichlone	C10H4Cl2O2	P	S #	S #	6-15-50	2+3
0.92		0.88	0.84	dibutyl phthalate	C16H22O4	-	C	C	15+50	-
0.93	NI600	2	0.44	phosmet oxygen analog*	C11H12NO5PS	-	NR	NR	6-15-50	-
0.93	NI1	0.52	0.44	dinitramine	C11H13F3N4O4	C	-	P	15	-
0.94		1.33	1.05	octachlor epoxide	C10H4Cl8O	C	C	C	6	1
0.95		1.53	-	Perthane olefin	C18H19Cl	-	C	C	6	1
0.96		0.31	0.43	dicrotophos	C8H16NO5P	C	NR	-	6-15-50	-
0.96		0.42	0.45	dicloran	C6H4Cl2N2O2	C	S	P	15+50	2+3
0.97	NI(WB)6	0.42	0.49	PPG-947, methylated*	C18H13ClF3NO7	-	-	-	-	-
0.97	NP50	0.94	0.66	prodiamine	C13H17F3N4O4	C	-	-	-	-
0.98		0.72	-	dimethenamid	C12H18ClNO2S	-	NR	NR	6-15-50	1-2-3
1	NI150	1.05	-	PP 890	C9H10O2ClF3	-	-	-	-	-
1		0.94	0.98	thiobencarb	C12H16ClNOS	C		V	15	2+3
1	NI6	0.8	0.72	alachlor	C14H2OClNO2	C	C	C #	50	3
1		1	1	chlorpyrifos	C9H11Cl3NO3PS	C	C	P	6	2
1.02		0.64	0.62	ronnel oxygen analog	C8H8Cl3O4P	C	NR	-	6-15-50	-
1.03		1.14	1.14	pirimiphos-ethyl	C13H24N3O3PS	C	C	C	15+50	3
1.03		0.44	-	chloramben methyl ester	C8H7Cl2NO2	-	-	-	-	-
1.06	NI2	0.64	0.7	benoxacor	C11H11Cl2NO2	C	P	C	15+50	2+3
1.07		0.82	0.92	dichlorobenzophenone, o,p'-	C13H8Cl2O	-	C	C	15	2
1.08		4.1	0.91	dicofol, o,p'-*	C14H9Cl5O	C	V	S	6+15	2
1.08		0.84	-	terbutryn	C10H19N5S	C	-	-	-	-
1.1		0.77	-	ametryn	C9H17N5S	C	-	-	-	-
1.11	NI20	0.71	0.71	dimethachlor	C13H18ClNO2	C	-	-	-	-
1.11	FP5	0.25	0.39	omethoate	C5H12NO4PS	C	NR	NR	6-15-50	1-2-3
1.13	NI1	1.06	1	DCPA	C10H6Cl4O4	C	C	C	15	2

Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
1.15		0.69	0.64	vinclozolin	C12H9Cl2NO3	C	C	C	15	2
1.15		1.19	1.2	TDE, o,p'-, olefin	C14H9Cl3	-	-	-	-	-
1.16	NI(WB)55	0.39	0.54	4-chlorobenzylmethyl sulfoxide	C8H9ClOS	-	NR	NR	6-15-50	1-2-3
1.18		1.66	-	2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
1.19		2.85	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
1.2	NI(WB)8	0.74	0.66	vinclozolin metabolite B	C12H11Cl2NO4	C	P #	C	6+15	2
1.21	NI9	1.03	0.93	metolachlor	C15H22ClNO2	C	S #	NR	50	1-2-3
1.21		2.02	-	simetryn	C8H15N5S	C	-	-	-	-
1.22	NI8	1.15	0.93	butralin	C14H21N3O4	V	C	-	6+15+50	-
1.22	NI2	1.37	1.12	S-bioallethrin	C19H26O3	-	C	-	50	-
1.22		0.64	0.74	cyprazine	C9H14ClN5	C	-	-	-	-
1.22		1.29	1.15	heptachlor epoxide	C10H5Cl7O	C	C	C	6	2
1.22		1.36	-	allethrin	C19H26O3	-	C	C #	50	3
1.24	NI2	1.14	1.01	isopropalin	C15H23N3O4	C	C	-	6	-
1.25		0.99	1.08	dichlorobenzophenone, p,p'-	C13H8Cl2O	-	C	C	15	2
1.28		4.4	1.08	dicofol, p,p'-*	C14H9Cl5O	C	V	P #	6+15	1+2
1.28		1.55	1.51	DDE, o,p'-	C14H8Cl4	C	C	C	6	1
1.29	NI160	0.73	0.52	metribuzin, deaminated diketo metabolite*	C7H11N3O2	NR	NR	NR	6-15-50	1-2-3
1.29	NI6	1.11	1.16	bromophos	C8H8BrCl2O3PS	C	C	C	6	-
1.3		0.39	0.52	2,6-dichlorobenzamide	C7H5NOCl2	C	NR	NR	6-15-50	1-2-3
1.34	NI(WB)51	0.43	0.6	6-chloro-2,3-dihydro-3,3,7-methyl-5H-oxazolo(3,2-a)pyrimidin-5-one	C9H13ClN2O2	-	NR	NR	6-15-50	1-2-3
1.36	NI3	1.45	1.45	TDE, p,p'-, olefin	C14H9Cl3	C	C	C	6	1
1.38		1.64	1.47	endosulfan I	C9H6Cl6O3S	C	C	C	15	2
1.4		0.6	0.78	ethiofencarb	C10H15NO2S	C	NR	NR	6-15-50	-
1.41	NI200	3.38	4.9	desmethyl norflurazon	C11H7ClF3N3O	V	NR	NR	6-15-50	1-2-3
1.41	NI15	0.56	0.55	metribuzin, diketo metabolite	C7H12N4O2	NR	NR	NR	6-15-50	1-2-3
1.41	NI(WB)80	0.55	0.9	3-ketocarbofuran	C12H12NO4	S	NR	NR	6	1
1.42		-	-	2,4-D propylene glycol butyl ether ester*	C15H2OCl2O4	-	-	-	-	-
1.42		1.51	1.45	bromophos-ethyl	C10H12BrCl2O3PS	C	C	P	6	-

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Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
1.44		0.67	0.69	metobromuron	C9H11BrN2O2	C	NR	NR	6-15-50	1-2-3
1.44		0.55	0.74	chlorothalonil	C8Cl4N2	S	C #	C #	6-15-50	2+3
1.45	NI1.5	0.96	0.86	nitrofluorfen	C13H7ClF3NO3	C	C	C	15	2
1.45		1.75	1.42	nonachlor, trans-	C10H5Cl9	C	C	C	6	1
1.46		0.97	-	methazole	C9H6Cl2N2O3	-	-	-	-	-
1.46		1.49	1.34	chlordane, trans-	C10H6Cl8	C	C	C	6	1
1.46		0.96	1.18	fenthion	C10H15O3PS2	C	S #	NR	6+15	1-2-3
1.47	NI(WB)300	1.05	0.88	acifluorfen	C14H7ClF3NO3	-	NR	NR	6-15-50	1-2-3
1.47		0.54	0.62	fenfuram	C12H11NO2	C	-	-	-	-
1.47	NI0.7	0.57	0.91	metribuzin	C8H14N4OS	V	NR	NR	50	1-2-3
1.48	NI100	6.1	4.5	tralkoxydim*	C20H27NO3	V	NR	NR	50	1-2-3
1.48	NI3	1.22	1.21	pendimethalin	C13H19N3O4	C	C	P	15	2
1.49	NI44	0.91	1.05	malathion	C10H19O6PS2	C	C	C	15+50	3
1.51		-	-	2,4-D ethyl hexyl ester*	C16H22Cl2O3	-	-	-	-	-
1.51		0.95	1.08	chlorpyrifos oxygen analog	C9H11Cl3NO4P	C	NR	-	6-15-50	-
1.54		1.66	1.48	chlordane, cis-	C10H6Cl8	C	C	C	6	1
1.55		0.75	0.79	prothoate	C9H20NO3PS2	C	-	-	-	-
1.55		0.68	0.87	malathion oxygen analog	C10H19O7PS	C	NR	NR	6-15-50	1-2-3
1.58	NI5	1.21	1.29	chlorfenvinphos, alpha-	C12H14Cl3O4P	C	-	NR	6-15-50	-
1.59		1.92	1.86	DDE, p,p'-	C14H8Cl4	C	C	C	6	1
1.6	FP3	0.31	0.5	monocrotophos	C7H14NO5P	C	NR	NR	6-15-50	1-2-3
1.6		0.4	0.62	dimethoate	C5H12NO3PS2	C	NR	NR	6-15-50	1-2-3
1.61		2.04	2.69	cyproconazole	C15H18ClN3O	C	NR	NR	6-15-50	1-2-3
1.62	NI1	0.77	0.99	Tycor	C9H16N4OS	C	S	S	50	3
1.62		0.43	0.56	BHC, beta-	C6H6Cl6	C	C	C	6	1
1.62		1.39	1.54	chlorbenside	C13H10Cl2S	C	S	P	6	1
1.63	NI1	0.99	1.07	1-hydroxychlordene	C10H6Cl6O	-	R	-	15	-
1.64		1.95	1.88	merphos*	C12H27PS3	-	C	C	6+15+50	3
1.64	NI3/NP20	1.05	1	triadimefon	C14H16ClN3O2	C	S #	S #	50	1-2-3
1.64	FP1/NI11	0.71	0.87	parathion-methyl	C8H10NO5PS	C	C	C	15	2
1.64	NI30	0.6	0.7	ethoxyquin	C14H19N0	C	NR	NR	6-15-50	-
1.65		1.95	1.88	tribufos	C12H27OPS3	C	C	P	15+50	3

Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
1.67		-	1.44	2,4-D butoxyethyl ester*	C14H18Cl2O4	-	-	-	-	-
1.67	NI6	2.75	2.38	chlordecone	C10H8Cl10O5	-	S #	P #	15+50	1-2-3
1.71		0.9	1.01	dichlofluanid	C9H11Cl2FN2O2S2	C	C #	-	15+50	2+3
1.71		0.55	0.66	parathion-methyl oxygen analog	C8H10NO6P	-	NR	NR	6-15-50	1-2-3
1.71		0.5	0.67	BHC, delta-	C6H6Cl6	C	C	C	6+15	1
1.73		1.36	1.38	isofenphos	C15H24NO4PS	C	C	-	15+50	-
1.74	NI1	1.85	1.82	prothiofos	C11H15Cl2PO2S2	C	C	C	6	2
1.74	FP5	1.17	1.24	isofenphos oxygen analog	C15H24NO5P	C	-	-	-	-
1.76		2.12	1.76	pyrethrins*	C21H27O4	-	C	C	50	-
1.78		2.04	1.78	2,4-D isooctyl ester*	C16H22Cl2O3	-	-	-	-	-
1.78		2.1	1.68	2,4-D ethyl hexyl ester*	C16H22Cl2O3	-	-	-	-	-
1.79		2	-	2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
1.82		0.84	1.05	fenitrothion	C9H12NO5PS	C	C	C	15	2
1.83	NI14	1.73	1.46	butachlor	C17H26ClNO2	C	C	-	50	-
1.84	NI6	1.57	1.64	cyclanilide methyl ester	C12H11Cl2NO3	-	-	-	-	-
1.87		1.91	1.84	dieldrin	C12H8Cl6O	C	C	C	15	2
1.88		1.24	1.47	anilazine	C9H5Cl3N4	V	S	P	15+50	2+3
1.89	NI1000	1.39	1.54	CGA 189138	C13H8O3Cl2	-	-	-	-	-
1.91	NI3/NP65	0.99	0.96	KWG 1323	C14H16ClN3O3	C	NR	NR	6-15-50	1-2-3
1.91	NI(WB)2	0.41	0.66	4-chlorobenzylmethyl sulfone	C8H9ClO2S	-	NR	NR	6-15-50	1-2-3
1.91	FP2/NI6	0.98	1.07	parathion	C10H14NO5PS	C	C	C	15	2
1.93	FS56/NI638	0.86	1.02	ethofumesate	C13H18O5S	C	-	-	-	-
2	FP4/NI5	1.29	1.52	chlorfenvinphos, beta-	C12H14Cl3O4P	C	S #	-	50	1-2-3
2		1.32	1.64	quinalphos	C12H15N2O3PS	C	C	-	15	-
2.01	NI(WB)2	0.69	0.79	vinclozolin metabolite S	C10H7Cl2NO3	V	P	V #	15	2
2.01		2.23	2.42	Perthane	C18H2OCl2	C	C	C	6	1
2.02		0.5	0.5	tris(chloropropyl) phosphate	C9H18Cl3O4P	C	NR	NR	6-15-50	1-2-3
2.03	NI1.5	-	-	fenson	C12H10O3ClS	-	-	-	-	-
2.05		1.31	1.83	phenthoate	C12H17O4PS2	C	C	-	15+50	-
2.08		1.82	1.79	2,4-D butoxyethyl ester*	C14H18Cl2O4	-	-	-	-	-
2.09		3.22	-	2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
2.1	NI(WB)3.8	0.8	-	bromacil methyl ether	C10H16BrN2O2	-	-	-	-	-

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Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
2.1	NI(WB)7	0.54	0.72	terbacil	C9H13ClN2O2	C	NR	NR	6-15	2+3
2.13		0.85	0.95	linuron	C9H10Cl2N2O2	V	V #	V	50	3
2.22		2.13	2.29	endrin	C12H8Cl6O	C	C #	C #	15	2
2.23		1.44	1.19	triflumizole	C15H15ClF3N3O	C	-	-	-	-
2.25	NI30	0.45	0.71	methidathion sulfoxide	C5H8N2O4S2	-	NR	NR	6-15-50	1-2-3
2.27	NI(WB)630	1.35	2.55	3-tert-butyl-5-chloro-6-hydroxy= methyluracil	C9H13ClN2O3	-	NR	NR	6-15-50	1-2-3
2.27		2.55	2.7	DDT, o,p'-	C14H9Cl5	C	C	C	6	1
2.29	NI400	0.56	0.82	methidathion sulfone	C5H8N2O3S2	-	NR	NR	6-15-50	1-2-3
2.33	NI3	2.64	2.8	tetrasul	C12H6Cl4S	C	C	C	6	1
2.33		1.08	1.3	crufomate	C12H19ClNO3P	C	NR	NR	6-15-50	-
2.33	NI6250	0.5	0.66	ethylenethiourea	C3H6N2S	S	NR	NR	6-15-50	1-2-3
2.34		1.8	2.13	profenofos	C11H15BrClO3PS	C	P	P	50	3
2.36	NI3000	2.3	2.31	fluazifop butyl ester	C19H20F3NO4	C	C	V	15	3
2.46		1.58	2.1	triazamate	C13H22N4O3S	C	NR	NR	6-15-50	1-2-3
2.46		1.9	2.19	TDE, o,p'-	C14H10Cl4	-	C	C	6	1
2.48		1.97	1.96	oxadiazon	C15H18Cl2N2O3	C	C	P	15	-
2.49	NI20	0.44	0.64	prosulfuron*	C15H16F3N5O4S	-	NR	NR	6-15-50	1-2-3
2.55		0.89	1.26	phorate sulfoxide	C7H17O3PS3	C	NR	NR	6-15-50	1-2-3
2.65	NI300	0.6	0.9	CGA 120844	C8H9NSO3	-	NR	NR	6-15-50	1-2-3
2.66		-	-	2,4,5-T butoxyethyl ester*	C14H17Cl3O4	-	-	-	-	-
2.66		2.53	-	Compound K*	C10H6Cl8	-	C	-	-	1
2.67		0.75	-	picloram methyl ester	C7H5Cl3N2O2	-	-	-	-	-
2.67	HN4	1.28	1.58	mecarbam	C10H20NO5PS2	C		-	50	-
2.69		-	-	2,4,5-T isooctyl ester*	C16H21Cl3O3	-	-	-	-	-
2.71	FS2	0.41	0.81	dimethipin	C6H10O4S2	C	NR	NR	6-15-50	1-2-3
2.72		1.58	1.97	Gardona	C10H9Cl4O4P	C	NR	NR	6-15-50	1-2-3
2.73		1.21	1.5	des N-isopropyl isofenphos	C12H18NO4PS	C	S	-	50	-
2.74		3.03	2.88	ethephon	C2H6ClO3P	NR		-	6+15+50	1+2+3
2.77		2	-	aramite*	C15H23ClO4S	C	P	NR	15	-
2.78		3.3	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
2.82	NI8	0.66	0.78	propanil	C9H9Cl2NO	C	NR	NR	6-15	3

Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
2.84		2.95	2.7	pyrethrins*	C21H27O4	-	C	C	50	-
2.85	NI(WB)780	0.35	0.4	ethametsulfuron methyl ester*	C15H18N6O6S	-	NR	NR	6-15-50	1-2-3
2.85		1.37	1.9	crotoxyphos	C14H19O6P	C	NR	NR	6-15-50	1-2-3
2.89	FS63/NI10	0.68	0.93	2,3-dihydro-3,3-methyl-2-oxo-5-benzofuranyl methyl sulfonate	C11H12O5S	-	-	-	-	-
2.9	FP5/NI1500	0.92	1.28	terbufos oxygen analog sulfone	C9H21O5PS2	C	NR	NR	6-15-50	1-2-3
2.9		2.33	2.41	chloropropylate	C17H16Cl2O3	P	C	C	15+50	3
2.91		1.86	1.79	hexaconazole	C14H17Cl2N3O	C	-	-	-	-
2.95		0.71	0.96	demeton-O sulfone*	C8H19O5PS2	C	-	-	-	-
2.95		5.8	5.6	mirex	C10Cl12	P	C	P	6	1
3	FP15/NI300	1.08	1.66	fosthiazate	C9H18NO3PS2	C	NR	NR	6-15-50	1-2-3
3.01		1.23	1.94	folpet	C9H4Cl3O2NS	C	C	P	15+50	2+3
3.02	NI(WB)9	0.89	0.93	vinclozolin metabolite E	C11H11Cl2NO2	C	S	NR	15+50	-
3.02	NI(WB)10	2	3.38	kresoxim-methyl	C18H19NO4	P	C	C	15+50	3
3.04	NI7	1.37	1.49	procymidone	C13H11Cl2NO2	C	C	P	15	-
3.04	NI3	1.61	2.2	ovex	C12H8Cl2O3S	C	C	C	15	2
3.05		2.14	-	aramite*	C15H23ClO4S	C	P	NR	15	-
3.1		2.56	-	2,4,5-T isooctyl ester*	C16H21Cl3O3	-	-	-	-	-
3.14	NI14	1.78	2	diethatyl-ethyl	C16H22ClNO3	C	NR	NR	6-15-50	1-2-3
3.16	NI(WB)120	1.9	1.86	PPG-2597	C20H17ClF3NO6	-	NR	NR	6-15-50	1-2-3
3.24	NI5	2.38	3.14	leptophos photoproduct	C13H11Cl2O2PS	C	-	-	-	-
3.26		0.97	1.3	phorate sulfone	C7H17O4PS3	C	S #	S #	6-15-50	3
3.26		2.31	2.61	chlorobenzilate	C16H14Cl2O3	C	C #	P #	15+50	3
3.28		5.3	-	2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
3.3		2.91	-	2,4,5-T butoxyethyl ester*	C14H17Cl3O4	-	-	-	-	-
3.33	NI3	2.52	2.61	nonachlor, cis-	C10H5Cl9	C	C	C	6	1
3.33	NI50	1.4	2.28	methidathion	C6H11N2O4PS3	C	S	P #	50	3
3.39		1.27	1.42	chlorbromuron	C9H10BrClN2O2	V	V	V	50	3
3.4		2.96	-	2,4,5-T isooctyl ester*	C16H21Cl3O3	-	-	-	-	-
3.4	NI7	2.02	2.03	diclobutrazol	C15H19Cl2N3O	C	NR	NR	6-15-50	1-2-3
3.49		1.2	1.85	captan	C9H8Cl3NO2S	C	P	C	50	3
3.5		1.79	2.76	imazamethabenz methyl ester*	C16H20N2O3	C	-	-	-	-

Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
3.5		1.26	1.92	Sulphenone	C12H9ClO2S	C		-	50	3
3.6	NI(WB)780	0.55	0.95	ethametsulfuron methyl ester*	C15H18N6O6S	-	NR	NR	6-15-50	1-2-3
3.6		1.54	-	2,4-D propylene glycol butyl ether ester*	C15H2OCl2O4	-	-	-	-	-
3.6		3.13	3.5	DDT, p,p'-	C14H9Cl5	C	C	C	6	1
3.7		2	2.6	bupirimate	C13H24N4SO3	C	-	-	-	-
3.7	NP6	1.66	2.41	fenamiphos	C13H22NO3PS	C	NR	NR	6-15-50	1-2-3
3.7	NI9	2.97	4.2	methoxychlor olefin	C16H14Cl2O2	C	C	C	6	2
3.7		1.42	-	fenac	C8H5Cl3O2	-	NR	NR	6-15-50	-
3.77	NI60	0.83	1.06	metribuzin, deaminated metabolite	C8H13N3OS	C	NR	NR	6-15-50	1-2-3
3.8		3.25	-	2,4,5-T isooctyl ester*	C16H21Cl3O3	-	-	-	-	-
3.8		4.9	4.5	bifenthrin	C23H22ClF3O2	V	C	-	6+15	2
3.8	NI3	2.03	2.71	nitrofen	C12H7Cl2NO3	C	C	C	15	2
3.8		2.41	2.87	TDE, p,p'-	C14H10Cl4	C	C	C	6	1
3.9		2.21	2.77	endosulfan II	C9H6Cl6O3S	C	C	C	15+50	2
3.93	FP2/NI8	2.56	3.36	ethion	C9H22O4P2S4	C	C	C	6	2
4	NI(WB)13	2.51	4.2	pyrithiobac-sodium methyl ester	C14H13ClN2O4	-	-	-	-	-
4		2	2.16	oxyfluorfen	C15H11ClF3NO4	C	C	C	15	2
4		1.76	2.08	imazalil	C14H14Cl2N2O	C	NR	NR	6-15-50	-
4.1	FP6	2.22	2.99	chlorthiophos oxygen analog	C11H15Cl2O4PS	C	NR	NR	6-15-50	1-2-3
4.1		1.6	3.17	isoprothiolane	C12H18O4S2	C	-	-	-	-
4.1		1.88	-	ethion oxygen analog	C9H22O5P2S3	C	-	-	-	-
4.2		2.17	3.06	carbophenothion oxygen analog	C11H16ClO3PS2	C	NR	NR	6-15-50	1-2-3
4.2		2.94	3.7	carbophenothion	C11H16ClO2PS3	C	C	P	6	2
4.2		2.19	2.38	binapacryl	C15H18N2O6	C	P	P	15	-
4.3	NI160	2.4	3	imazethapyr ammonium salt methyl ester	C16H21N3O3	-	-	-	-	-
4.3		1.15	1.54	CGA 91305	C10H8Cl2N3O	V	NR	NR	6-15-50	1-2-3
4.3	NI12	1.5	2.67	TCMTB	C9H6N2S3	C	P	P	15	-
4.5		32	-	hydramethylnon*	C25H24F6N4	-	-	-	-	-
4.5	NI23	3.3	5	methoxychlor, o, p'-	C16H15Cl3O2	-	C	-	6	-
4.5		6.4	6.1	bis(2-ethylhexyl) phthalate	C24H38O4	-	C	C	15+50	-

Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
4.7	NI60	1.13	1.38	RPA202248	C15H12SNO4F3	NR	NR	NR	6-15-50	1-2-3
4.7	NI40	1.11	1.33	isoxaflutole (prop)	C15H12SNO4F3	NR	V #	S #	50	3
4.7		2.85	-	chlornitrofen	C12H6Cl3NO3	C	C	C	6+15	2
4.8		5.4	6.5	phenothrin*	C23H26O3	-	-	-	-	-
4.8		-	-	Dilan*	C15.5H14Cl2NO2	-	P	P	15	-
4.8	NI1300	3.8	4.3	propargite	C19H26O4S	C	C	-	15	2
4.8	NI(WB)12	0.8	1.36	bromacil	C9H13BrN2O2	C	NR	NR	6-15-50	1-2-3
4.9	NI12	3.57	4.7	diclofop-methyl	C16H14Cl2O4	C	C	C	15	2
4.9		0.89	1.48	cyanazine	C9H13ClN6	C	NR	-	6-15-50	-
5	NI(WB)6	2.14	2.4	PPG-947, methylated*	C18H13ClF3NO7	-	-	-	-	-
5	NI(WB)4	2.15	2.4	PPG-847, methylated	C15H9ClF3NO3	-	-	-	-	-
5.1		4.1	-	2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
5.1		3.06	4.5	butyl benzyl phthalate	C19H20O4	-	C	P	15+50	-
5.3		-	-	Dilan*	C15.5H14Cl2NO2	-	P	P	15	-
5.5		5.5	9.1	phosalone	C12H15ClNO4PS2	C	C	C	50	2+3
5.6		3.21	4	propiconazole*	C15H17Cl2N3O2	C	NR	NR	6-15-50	1-2-3
5.8		2.33	-	Dilan*	C15.5H14Cl2NO2	-	P	P	15	-
5.8	FP60	1.15	1.75	demeton-S sulfone	C8H19O5PS2	C	-	-	-	-
5.8	NI(WB)5	3.26	4.67	clodinafop-propargyl	C17H13ClFNO4	V	V	-	50	3
6.3		2.87	5.3	edifenphos	C14H15O2PS2	C	-	-	-	-
6.5	NI5	1.53	2.41	CGA 94689A	C15H21NO5	V	NR	NR	6-15-50	1-2-3
6.5		4.4	-	bromopropylate	C17H16Br2O3	C	C #	C #	15+50	1-2-3
6.6	FS175/NI400	1	1.46	2-hydroxy-2,3-dihydro-3,3-methyl-5-benzofuranyl methyl sulfonate	C11H14O5S	-	-	-	-	-
6.6	NI8	1.54	2.45	CGA 94689B	C15H21NO5	S	NR	NR	6-15-50	1-2-3
6.6	NI(WB)5	4.8	6.3	cloquintocet-mexyl	C18H22ClNO3	V	NR	-	6-15-50	1-2-3
6.7		1.5	2.39	disulfoton sulfone	C8H19O4PS3	C	NR	-	6-15-50	-
6.9		4.3	4.4	dinocap*	C18H24N2O6	C	P	P	15	2
7	NI10	4.8	5.7	fenpropathrin	C22H23NO3	-	V #	V	15	2
7.2		1.9	2.6	myclobutanil	C15H17ClN4	C	NR	NR	6-15-50	1-2-3
7.2		4.7	7.2	methoxychlor, p, p'-	C16H15Cl3O2	C	C	C	6	2
7.3		3.36	4.8	nuarimol	C17H12ClFN2O	C	NR	C #	50	1-2-3

Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17		Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
7.5		2.81	-		Dilan*	C15.5H14Cl2NO2	-	P	P	15	-
7.5	NI10	2.81	3.9		Prolan	C15H13Cl2NO2	P	S	S	15	2
7.5	NI6	3.06	4.4		Bulan	C16H15Cl2NO2	C	P	P	15	2
7.6		4.2	6.5		leptophos oxygen analog	C13H10BrCl2O3P	C	-	-	-	-
7.7		7	-		2,4,5-T BEP ester*	C17H23Cl3O3	-	-	-	-	-
7.7		4.8	4.8		dinocap*	C18H24N2O6	C	P	P	15	2
7.7		5.8	8.5	1	leptophos	C13H10BrCl2O2PS	C	C	C	6	2
7.9		1.5	-		procyazine	C10H13ClN6	C	-	-	-	-
8	NI6	1.25	1.09		MB45950	C12H4SN4F6Cl2	S	P	V	15+50	2+3
8.2		3.39	-		Dilan*	C15.5H14Cl2NO2	-	P	P	15	-
8.2		3.1	4.6		cyanofenphos	C15H14NO2PS	C	-	-	-	-
8.3		2.83	4		endosulfan sulfate	C9H6Cl6O4S	C	C	C	50	2
8.4	NI6	4.3	6		benzoylprop-ethyl	C18H17Cl2NO3	P	NR	NR	6-15-50	1-2-3
8.5		4.5	7.2		tetramethrin*	C19H25NO4	C	NR	NR	6-15-50	1-2-3
8.6	NI7	4.7	7.2		tetrasul sulfoxide	C12H6Cl4OS	-	-	-	-	-
8.7	NI10	1.35	1.16		fipronil	C12H4Cl2F6N4OS	S	S	V	50	3
8.9	NI500	12	6.1		CGA 205374	C16H11N3O2Cl2	-	NR	NR	6-15-50	1-2-3
8.9		1.3	-		chlorsulfuron	C12H12ClN5O4S	-	NR	NR	6-15-50	-
9.5		5.1	5.6		dinocap*	C18H24N2O6	C	P	P	15	2
9.7		4.8	6.8		piperophos	C14H28NO3PS2	C	-	-	-	-
10.3	FP15	4.7	6.9		chlorthiophos sulfoxide	C11H15Cl2O4PS2	C	NR	NR	6-15-50	1-2-3
10.3		3.6	-		endrin ketone	C12H8Cl6O	-	C	C	50	2
10.6		4.5	6.9		EPN	C14H14NO4PS	C	C	C	15	2
10.8	NI20	7.9	12.6		HOE-030291	C17H16Cl2O5	-	-	-	-	-
10.9		11.5	15		phenothrin*	C23H26O3	-	-	-	-	-
11.1		9.4	13.8		permethrin, cis-	C21H20Cl2O3	C	V #	C	6+15	2
11.3		8.1	10.5		fenoxaprop ethyl ester	C18H16NO5Cl	S	V	V	50	3
11.5	NI60	2.96	4.1		CL 202,347	C13H19N3O5	-	-	-	-	-
12.8	NI40	10.4	8.9		acrinathrin	C26H21F6NO5	V	V	V #	15	2
13		10.2	-		2,4-D BEP ester*	C17H24Cl2O4	-	-	-	-	-
13		10.2	15		permethrin, trans-	C21H20Cl2O3	C	V #	C	6+15	2
13	NI3700	2.67	8		pyrazon	C10H8ClN3O	C	NR	NR	6-15-50	1-2-3

Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
13	NI1200	13	16	hexachlorophene	C13H6Cl6O2	-	NR	NR	6-15-50	-
14	NI4500	2.5	5	oxadixyl	C14H18N2O4	C	NR	NR	6-15-50	1-2-3
14		4.2	8.7	pyridaphenthion	C14H17O4N2SP	C	-	-	-	-
14		2.65	5	famphur	C10H16NO5PS2	C	NR	-	6-15-50	-
14.8	NI600	3.1	7.1	phosmet oxygen analog*	C11H12NO5PS	-	NR	NR	6-15-50	-
14.9		5	8.8	bifenox	C12H9Cl2NO5	C	C	P	15+50	2+3
14.9	FP50	4	8.4	phosmet	C11H12O4NPS2	C	NR	-	6-15-50	3
15		2.31	3.93	desisopropyl iprodione	C10H6Cl2N3O3	P		-	50	1-2-3
15	NP1000	4	4.2	KWG 1342	C14H18ClN3O3	-	-	-	-	-
15.5		4.4	8.5	photodieldrin	C12H8Cl6O	-	C	C	15+50	2
18	NI75	4.2	6.3	iprodione*	C13H13Cl2N3O3	C	S #	NR	50	1-2-3
18.1		-	-	carbofuran-7-phenol-DNP ether	C16H14N2O6	-	-	-	-	-
18.6	NI44	2.62	5.4	ofurace	C14H16NO3Cl	C	-	-	-	-
18.8	FP39	5.3	9.1	chlorthiophos sulfone	C11H15Cl2O5PS2	C	C	-	50	3
19.7		31	38	deltamethrin, trans-*	C22H19Br2NO3	-	P #	NR	15	2
19.9		29	38	deltamethrin*	C22H19Br2NO3	C	S #	P	15	2
24		16.3	-	fluridone	C19H14F3NO	-	NR	NR	6-15-50	-
24	NI21	3.8	6.3	nitralin	C13H19N3O6S	C	P	P	50	3
29		-	-	cypermethrin*	C22H19Cl2NO3	C	C	C	15	2
31	NI30	2.06	1.98	MB46136	C12H4SO2N4F6Cl2	S	S	V	50	2+3
33		14.1	23	cypermethrin*	C22H19Cl2NO3	C	C	C	15	2
36		15.1	25	cypermethrin*	C22H19Cl2NO3	C	C	C	15	2
36.9		14.7	21.4	flucythrinate*	C26H23F2NO4	C	C	-	15	2+3
37.1		3.6	7.5	myclobutanil alcohol metabolite	C15H17ClN40	S	NR	NR	6-15-50	1-2-3
40	NI100	9	18	coumaphos	C14H16ClO5PS	C	NR	C #	6-15-50	3
42		16.1	24	flucythrinate*	C26H23F2NO4	C	C	-	15	2+3
44		20.3	35	fenvalerate*	C25H22ClNO3	C	C	C	15	2
45	NI150	8	16	coumaphos oxygen analog	C14H16ClO6P	C	NR	NR	6-15-50	1-2-3
51		22.5	40	fenvalerate*	C25H22ClNO3	C	C	C	15	2
53		44	-	hydramethylnon*	C25H24F6N4	-	-	-	-	-
53		4.7	11.3	dithianon	C14H4O2N2S2	NR	-	-	-	-
56		-	35	fluvalinate*	C26H22ClF3N2O3	C	C	-	15	2

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Appendix I: PESTDATA Chemicals in Order by OV-225 Relative Retention Time (continued)

RRT/c OV-225	Detector Responses with OV-225 Column	RRT/c OV-101	RRT/c OV-17	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
57	NI300	23	43	PB-7, methylated	C20H25ClN2O3S	-	-	-	-	-
59		25	38	fluvalinate*	C26H22ClF3N2O3	C	C	-	15	2
64		27	44	tralomethrin	C22H19Br4NO3	C	V	S	15	2
87	NI500	25	46	PB-9	C19H25ClN2O2S	V	NR	NR	6-15-50	1-2-3

Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.02	NI4	0.03	-	dichlorobenzene, p-	C6H4Cl2	-	C	C	6	1
0.02	NI0.1	-	-	hexachloroethane	C2Cl6	-	-	-	-	-
0.03	NI0.2	0.04	-	dibromochloropropane	C3H5Br2Cl	-	-	-	-	-
0.04	NI10	0.06	0.08	CGA 171683	C6H5F4N3O2	C		-	15+50	3
0.04	NI0.1	-	-	hexachlorobutadiene	C4Cl6	-	V #	P	6	1
0.06	NI0.8	0.12	-	hexachlorocyclopentadiene	C5Cl6	-	-	-	-	-
0.07	NI0.1	-	-	1,2,3,5-tetrachlorobenzene	C6H2Cl4	-	P #	-	6	1
0.07	NI0.2	-	-	1,2,4,5-tetrachlorobenzene	C6H2Cl4	-	-	-	-	-
0.07	NP(WB)1.5	-	-	4-chlorobenzeneamine	C6H6ClN	S	NR	NR	6-15-50	1-2-3
0.08	FP2.5	0.07	0.08	dichlorvos	C4H7Cl2O4P	C	NR	NR	6-15-50	1-2-3
0.09	NP(WB)5	-	0.11	teflubenzuron*	C14H6Cl2F4N2O2	-	NR	NR	6-15-50	1-2-3
0.09	FP1/FP(WB)0.6	0.07	0.25	methamidophos	C2H8NO2PS	V	-	-	-	-
0.09	FP11	0.15	-	vernolate	C10H21NOS	-	P	-	15	-
0.09	NI0.2	-	-	1,2,3,4-tetrachlorobenzene	C6H2Cl4	-	-	-	-	-
0.1	NI(WB)1.4/NP23	0.13	0.15	chlorimuron ethyl ester	C15H15ClN4O6S	P	NR	-	-	-
0.1	HX1.5	0.19	0.08	2-methoxy-3,5,6-trichloropyridine	C6H4Cl3NO	C	P #	C	6+15	1+2
0.1	NI5	0.17	0.14	N-(3,4-dichlorophenyl)-N'-methylurea	C8H8Cl2N2O	-	NR	NR	6-15-50	-
0.1	NI4	0.22	0.14	3,4-dichlorophenylurea	C7H6Cl2N2O	-	NR	NR	6-15-50	-
0.1	NI0.6	0.11	-	dichlobenil	C7H3Cl2N	C	P	C	15	2
0.1	NP6	0.17	-	pebulate	C10H21NOS	C	P	-	15	-
0.11	NP20	0.17	-	CGA 236431	C8H7F3N2O2	-	-	-	-	-
0.11	FP0.4	-	-	chlormephos	C5H12ClO2PS2	C	-	-	-	-
0.11	FS30	0.13	0.23	carboxin sulfoxide	C12H13NO3S	-	NR	NR	6-15-50	1-2-3
0.11	NI12	0.11	0.09	diuron	C9H10Cl2N2O	C	NR	NR	6-15-50	1-2-3
0.12	NI0.2	-	-	hexachloronorbornadiene	C7H2Cl6	-	-	-	-	-
0.12	NP16	0.13	-	propham	C10H13NO2	C	P	P	15	-
0.13	NP8	0.26	-	CGA 236432	C9H9F3N2O2	-	-	-	-	-
0.13	NI1/NP2	0.17	0.22	3-methyl-4-nitrophenol methyl ether	C8H9O3N	-	-	-	-	-
0.13	FP2	0.16	-	mevinphos, (E)-	C7H13O6P	C	NR	NR	6-15-50	-

* Multipeak chemical.

Recovery may vary with choice of Florisil elution system; see Tables 303-a, 304-a.

Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.13	FP4	0.16	-	trichlorfon	C4H8Cl3O4P	C	NR	NR	6-15-50	1-2-3
0.14	NP(WB)5	0.14	0.23	teflubenzuron*	C14H6Cl2F4N2O2	-	NR	NR	6-15-50	1-2-3
0.14	NP50	0.22	-	CGA 72903	C7H6F3N	-	-	-	-	-
0.14	NI1	0.19	0.22	N, N-diallyl dichloroacetamide	C8H11Cl2NO	C	S	S	15+50	2+3
0.14	NP2	-	-	fluometuron	C10H11F3N2O	-	-	-	-	-
0.14	NP1	0.22	-	CGA 150829	C5H14N4O	V	-	-	-	-
0.14	HN(WB)0.3/HX(WB)2/NI8/ NI(WB)14/NP8/NP(WB)0.4	0.18	0.27	3,5-dichloroaniline	C6H5Cl2N	S	S	S	6+15	1+2
0.14		0.15	0.15	dimethyl phthalate	C10H10O4	-	P	-	6+15+50	-
0.15	FP2/FP(WB)0.6	0.13	-	mevinphos, (Z)-	C7H13O6P	C	NR	-	6-15-50	-
0.16	HN(WB)3/NI(WB)120/ NP(WB)7	0.25	0.5	cymoxanil	C7H10N4O3	V	NR	NR	6-15-50	1-2-3
0.16	NI0.3	0.24	0.13	pentachlorobenzene	C6HCl5	C	C	C	6	1
0.16	NI13/NP8	0.2	0.32	3,4-dichloroaniline	C6H5Cl2N	V	S	-	15	-
0.17	NI0.7	0.34	0.27	trifluralin	C13H16F3N3O4	C	C	C	6	2
0.18	FP(WB)2	-	-	metasystox thiono*	C6H15O3PS2	-	-	-	-	-
0.18	HX25	-	-	metoxuron	C10H13ClN2O2	V	NR	NR	6-15-50	1-2-3
0.18	NI0.3	0.23	0.21	methyl 2,3,6-trichlorobenzoate	C8H5Cl3O2	-	-	-	-	-
0.18	HX(WB)1	0.37	0.28	benfluralin	C13H16F3N3O4	C	C	C	6	2
0.19	HX6	0.34	0.27	ethalfluralin	C13H14F3N3O4	C	C	C	6	2
0.19	FP(WB)0.6	0.15	0.64	acephate	C4H10NO3PS	C	-	-	-	-
0.2	FP2	-	-	demeton-O*	C8H19O3PS2	C	NR	-	6-15	-
0.2	NI160/NP30	0.22	0.25	3-carboxy-5-ethoxy-1,2,4-thiadiazole	C3H2N2O3S	NR	-	-	-	-
0.2		-	-	4-chlorobiphenyl	C12H9Cl	-	-	-	-	-
0.2	HN(WB)1/HX(WB)35/ NP(WB)11	0.3	-	triflusulfuron methyl ester	C17H19F3N6O6S	V	NR	NR	6-15-50	1-2-3
0.2		-	-	epoxyhexachloronorbornene	C7H2Cl6O	-	-	-	-	-
0.2	HX(WB)0.6	0.2	0.18	nitrapyrin	C6H3Cl4N	C	C	V	6	2
0.21	FP20	0.26	-	tebuthiuron	C9H16N4OS	-	-	-	-	-
0.21	FP25	0.22	0.32	demeton-O oxygen analog	C8H19O4PS	-	-	-	-	-
0.21	HX(WB)0.8/NI0.4/NP0.5	0.18	0.12	etridiazole	C5H5Cl3N2OS	C	C	P	6	2
0.22	NI150	0.18	-	4-hydroxymethyl-3,5-dimethylphenyl methylcarbamate*	C11H15NO3	-	NR	NR	15-50	1-2-3

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Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.22	NI0.2	-	-	octachlorocyclopentane	C5Cl8	-	-	-	-	-
0.22	HX(WB)0.3	0.24	0.15	2,3,5,6-tetrachloroanisole	C7H4Cl4O	-	C	-	6	1
0.23	NI0.4	0.26	0.51	RPA 203328, methylated	C10H9F3O4S	-	-	-	-	-
0.23	NI0.2	-	-	heptachloronorbornene	C7H3Cl7	-	-	-	-	-
0.23		0.3	-	tributyl phosphate	C12H27O4P	-	R	-	50	-
0.24	FP150	0.5	0.53	phosmet oxygen analog*	C11H12NO5PS	-	NR	NR	6-15-50	-
0.24	FP0.5/HX0.3/NI0.3	0.33	0.23	chlorethoxyfos	C6H11Cl4O3PS	V	C	-	6	1
0.24	NI0.3	0.29	0.26	tecnazene	C6HCl4NO2	C	C	C	6	1
0.24	FP(WB)70/NI10000/ NP(WB)70	0.21	0.27	TEPP	C8H20O7P2	C	-	-	-	-
0.25		0.3	0.38	2,4-D methyl ester	C9H8Cl2O3	-	-	-	-	-
0.25		0.34	-	2,4,5-trichloro-alpha-methylbenzene methanol	C8H7OCl3	R	R	-	15	-
0.25	FP1	0.33	0.31	ethoprop	C8H19O2PS2	C	P #	S #	50	1-2-3
0.25		0.29	-	diphenylamine	C12H11N	C	S	-	6+15	-
0.25	NI80	0.32	0.43	chlorpropham	C10H12ClNO2	C	C	C	15	2
0.26	NI5/NP20	0.38	0.63	3-methyl-4-nitrophenol	C7H7O3N	V	NR	NR	6-15-50	1-2-3
0.26	NI5/NI(WB)5	0.34	0.37	propachlor	C11H14ClNO	C	NR	NR	6-15-50	1-2-3
0.26	FP0.5	0.26	-	thionazin	C8H13N2O3PS	C	P	NR	15+50	-
0.27		0.2	-	1,2,4-triazole	C2H3N3	V	NR	NR	6-15-50	1-2-3
0.28	FP3	-	-	demeton-O sulfone*	C8H19O5PS2	C	-	-	-	-
0.28	HN(WB)0.4/NI(WB)3/ NP(WB)3	0.25	0.92	oxamyl oxime metabolite	C5H10N2O2S	C	NR	NR	6-15-50	1-2-3
0.29	FP(WB)0.4/NI(WB)12/ NP(WB)0.5	0.37	0.27	cadusafos	C10H23O2PS2	C	NR	NR	6-15-50	1-2-3
0.29	FP0.5	0.34	-	sulfotep	C8H20O5P2S2	C	C	P	6+15	2
0.29	NP3	0.28	-	G-27550	C8H12N2O	C	-	-	-	-
0.29	FP1	0.3	0.37	phorate oxygen analog	C7H17O3PS2	C	NR	NR	6-15-50	1-2-3
0.3	NI0.8/NP9	0.53	0.46	profluralin	C14H16F3N3O4	V	V	-	6	-
0.31	NI150	0.27	-	4-hydroxymethyl-3,5-dimethylphenyl methylcarbamate*	C11H15NO3	-	NR	NR	15-50	1-2-3
0.31	FP(WB)4	0.46	0.49	oxydemeton-methyl	C6H15O4PS2	C	-	-	-	-
0.32	FP(WB)2	0.31	0.49	metasystox thiono*	C6H15O3PS2	-	-	-	-	-

Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.32	NI0.4	0.56	0.4	chlordene	C10H6Cl6	-	C	C	6	1
0.32	FP(WB)0.8	0.28	0.49	metasystox thiol	C6H15O3PS2	C	-	-	-	-
0.32	FP20/NI8	0.34	-	naled	C4H7Br2Cl2O4P	C	NR	NR	6-15-50	1-2-3
0.32	FP0.5/NI14	0.37	0.38	phorate	C7H17O2PS3	C	V #	V #	6	1
0.33		0.42	0.74	2,4-D isopropyl ester*	C11H12Cl2O3	-	-	-	-	-
0.33		0.42	0.26	di-allate	C10H17ClNOS	C	C	-	6	-
0.33	HX0.3/NI0.3	0.45	0.25	hexachlorobenzene	C6Cl6	C	C	P	6	1
0.34	NI0.3	0.46	0.3	pentachlorophenyl methyl ether	C7H3Cl5O	C	C	C	6	1
0.35	NI0.3	0.4	0.48	BHC, alpha-	C6H6Cl6	C	C	C	6	1
0.36	FP2	0.28	-	demeton-O*	C8H19O3PS2	C	NR	-	6-15	-
0.36		0.32	0.44	3, 5, 6-trichloro-2-pyridinol methyl ester	C6H4Cl3NO	-	-	-	-	-
0.36	FP0.7	0.34	-	dioxabenzofos	C8H9O3PS	C	P	-	15	-
0.36	NI1	0.38	0.44	sulfallate	C8H14ClNS2	C	C	C	6+15	2
0.37	HX3/NI0.5	0.53	0.76	fluchloralin	C12H13ClF3N3O4	C	C	-	6	2
0.38	NP4	0.35	0.6	2,3,5-trimethacarb	C11H15NO2	C	S #	NR	50	1-2-3
0.38	FP4/FP(WB)1	0.39	0.53	fonofos oxygen analog	C10H15O2PS	V	NR	NR	6-15-50	1-2-3
0.39		0.36	0.36	triclopyr methyl ester	C8H6Cl3NO3	-	-	-	-	-
0.39	NI1/NP1.8	0.46	0.6	furilazole	C11H13Cl2NO3	C	S	-	50	3
0.39	FP1/NI2500	0.42	-	terbufos oxygen analog	C9H21O3PS2	C	-	NR	6-15-50	1-2-3
0.39	FP5/FP(WB)1.1	0.25	1.11	omethoate	C5H12NO4PS	C	NR	NR	6-15-50	1-2-3
0.4	HN(WB)30	0.35	2.85	ethametsulfuron methyl ester*	C15H18N6O6S	-	NR	NR	6-15-50	1-2-3
0.4	NI1/NP85	0.51	0.84	pronamide	C12H11Cl2NO	C	P	-	15+50	-
0.4	FP0.4/NP(WB)1	0.41	0.51	thiometon	C6H15O2PS3	C	NR	NR	6-15-50	-
0.41	NP24	0.35	0.7	methabenzthiazuron	C10H11N3OS	C	NR	NR	6-15-50	1-2-3
0.41	NP40	0.32	-	phenmedipham	C16H16N2O4	-	-	-	-	-
0.41	FP0.5/FP(WB)1.6/NI20	0.5	0.44	terbufos	C9H21O2PS3	C	P	S	6	-
0.41	NI43	0.53	0.65	propazine	C9H16ClN5	C	S	NR	15+50	3
0.41	FP0.8/FP(WB)0.8	0.41	0.56	demeton-S	C8H19O3PS2	C	NR	-	6-15-50	-
0.42	FP0.5	0.48	-	propetamphos	C10H20NO4PS	C	C #	-	15+50	2+3
0.42	NP9	0.42	-	melamine	C3H6N6	NR	-	-	-	-
0.43	FP1/FP(WB)0.8	0.31	0.96	dicrotophos	C8H16NO5P	C	NR	-	6-15-50	-

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RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.44	NI150	0.5	0.79	metribuzin, deaminated diketo metabolite*	C7H11N3O2	NR	NR	NR	6-15-50	1-2-3
0.44	FP150	2	0.93	phosmet oxygen analog*	C11H12NO5PS	-	NR	NR	6-15-50	-
0.44	NI1	0.52	0.93	dinitramine	C11H13F3N4O4	C	-	P	15	-
0.44	NI20	0.43	0.74	atrazine	C8H14ClN5	C	S #	NR	50	1-2-3
0.44	FP0.7	0.52	0.56	fonofos	C10H15OPS2	C	C	C	6	2+3
0.44	FP0.7/FP(WB)0.9/NI4/ NP0.25	0.51	0.4	diazinon	C12H21N2O3PS	C	C	C	15	3
0.45	NP430	0.9	-	formetanate hydrochloride	C11H16ClN3O2	-	-	-	-	-
0.45	NI3	0.5	0.59	pentachlorobenzonitrile	C7Cl5N	C	C	P	15	2
0.45	NI1000/NP218	0.44	0.29	desmedipham	C16H16N2O4	-	-	-	-	-
0.45		0.6	-	tri-allate	C10H16Cl3NOS	C	C	C	6	2
0.45	HN(WB)0.4	0.42	0.75	chlorbufam	C11H10ClNO2	C		-	15	2+3
0.45	NI0.4	0.42	0.96	dicloran	C6H4Cl2N2O2	C	S	P	15+50	2+3
0.46	HX2/NP11	0.45	0.59	clomazone	C12H14ClNO2	C		-	50	3
0.46	FP1	0.54	0.6	disulfoton	C8H19O2PS3	C	P #	NR	6	1-2-3
0.46	NI0.5	0.51	0.46	quintozene	C6Cl5NO2	C	C	C	6	1
0.47	NI(WB)1	0.56	0.49	methyl 3,5-dibromo-4-methoxy= benzoate	C9H8Br2O3	-	-	-	-	-
0.47		0.49	0.63	2,4,5-T methyl ester	C9H7Cl3O3	-	-	-	-	-
0.47	NP100	0.4	-	CGA 37734	C10H13NO2	C	NR	NR	6-15-50	1-2-3
0.47	NI30/NP0.6	0.5	0.53	diazinon oxygen analog	C12H21N2O4P	C	NR	NR	6-15-50	1-2-3
0.47	NI0.4	0.48	0.69	lindane	C6H6Cl6	C	C	C	6	1
0.48	NI1.1/NP1.2	0.5	0.69	4-(dichloroacetyl)-1-oxa-4-azapiro= [4.5]decane	C10H15Cl2NO2	C	P	-	50	3
0.48	HX(WB)0.3	0.49	0.35	1,2,4,5-tetrachloro-3-(methylthio)= benzene	C7H4Cl4S	R	C	-	6	1
0.48	NI250	0.47	0.71	terbuthylazine	C9H16N5Cl	C	P	-	15+50	-
0.48	HX18	0.48	0.91	monolinuron	C9H11ClN2O2	C	-	-	-	-
0.49	HN(WB)5	0.42	0.97	PPG-947, methylated*	C18H13ClF3NO7	-	-	-	-	-
0.49	NP3	0.46	-	CGA 51702	C9H9F3N2O	-	-	-	-	-
0.49		0.62	0.62	2,4-D isobutyl ester	C12H14Cl2O3	-	-	-	-	-
0.5		0.5	2.02	tris(chloropropyl) phosphate	C9H18Cl3O4P	C	NR	NR	6-15-50	1-2-3

Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.5	FP2/FP(WB)0.8	0.31	1.6	monocrotophos	C7H14NO5P	C	NR	NR	6-15-50	1-2-3
0.5	NP10	0.45	0.78	3,4,5-trimethacarb	C11H15NO2	C	NR	NR	50	1-2-3
0.5	NI56/NP(WB)1.5	0.41	0.83	simazine	C7H12ClN5	C	NR	NR	50	1-2-3
0.5	FP7/FP(WB)13	0.47	-	dioxathion	C12H26O6P2S4	V	NR	-	6-15-50	2
0.51		-	-	4,4'-dichlorobiphenyl	C12H8Cl2	-	-	-	-	-
0.51	NI50	0.58	0.59	etrimfos	C10H17N2O4PS	C	C	C	15	2+3
0.52	NI150	0.73	1.29	metribuzin, deaminated diketo metabolite*	C7H11N3O2	NR	NR	NR	6-15-50	1-2-3
0.52		0.39	1.3	2,6-dichlorobenzamide	C7H5NOCl2	C	NR	NR	6-15-50	1-2-3
0.52	FP1	0.58	-	schradan	C8H24N4O3P2	C	NR	-	6-15-50	-
0.53	NP(WB)25	0.47	0.42	terbumeton	C10H19N5O	C	-	-	-	-
0.53	HN(WB)0.1/HX12	0.3	0.8	desethyl simazine	C5H8ClN5	-	NR	NR	50	1-2-3
0.54	FP2	0.6	-	iprobenfos	C13H21O3PS	C	-	-	-	-
0.54	NI(WB)16	0.39	1.16	4-chlorobenzylmethyl sulfoxide	C8H9ClOS	-	NR	NR	6-15-50	1-2-3
0.55	NI6/NP20	0.56	1.41	metribuzin, diketo metabolite	C7H12N4O2	NR	NR	NR	6-15-50	1-2-3
0.56	HX(WB)0.5	0.56	0.63	2,3,5,6-tetrachloronitroanisole	C7H3Cl4NO3	-	C	-	6	1+2
0.56	NI1	0.43	1.62	BHC, beta-	C6H6Cl6	C	C	C	6	1
0.56	FP0.8/HX(WB)2	0.67	0.64	dichlofenthion	C10H13Cl2O3PS	C	C	V	6	2
0.56		0.65	0.61	diisobutyl phthalate	C16H2204	-	P	-	15+50	-
0.57	FP2	0.53	-	phosphamidon*	C10H19ClNO5P	C	NR	NR	6-15-50	1-2-3
0.58	NP24	0.7	-	CP 51214	C14H21NO3	C	NR	NR	6-15-50	1-2-3
0.59	FP(WB)0.7/NP(WB)1	0.47	-	cyanophos	C9H10O3NSP	C	-	-	-	-
0.6	HN(WB)0.4/HX(WB)4/ NI(WB)36/NP(WB)2	0.43	1.34	6-chloro-2,3-dihydro-3,3,7-methyl-5H-oxazolo(3,2-a)pyrimidin-5-one	C9H13ClN2O2	-	NR	NR	6-15-50	1-2-3
0.6	NI0.4	0.83	0.52	heptachlor	C10H5Cl7	C	C	C	6	1
0.61	HN(WB)0.1/HX25	0.2	0.86	desdiethyl simazine	C3H4ClN5	-	NR	NR	6-15-50	1-2-3
0.62	NP50	-	-	CGA 27092	C8H7F3N2O	-	-	-	-	-
0.62	NP14	1.09	-	fenpropimorph	C20H33NO	C		-	50	1-2-3
0.62		0.54	1.47	fenfuram	C12H11NO2	C	-	-	-	-
0.62	FP135	0.43	-	fenthion oxygen analog sulfoxide	C10H15O5PS	C	NR	NR	6-15-50	1-2-3
0.62	FP5/FP(WB)1	0.64	1.02	ronnel oxygen analog	C8H8Cl3O4P	C	NR	-	6-15-50	-
0.62	FP0.8/FP(WB)0.8/NI5	0.4	1.6	dimethoate	C5H12NO3PS2	C	NR	NR	6-15-50	1-2-3

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RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.63		0.51	0.8	etrimfos oxygen analog	C10H17N2O5P	C	-	-	-	-
0.63	FP(WB)1/NI10/NP0.2	0.55	0.8	isazofos	C9H17ClN3O3PS	C	C #	-	50	2+3
0.64	NI120	0.44	2.49	prosulfuron*	C15H16F3N5O4S	-	NR	NR	6-15-50	1-2-3
0.64	HX1/NI2	0.69	1.15	vinclozolin	C12H9Cl2NO3	C	C	C	15	2
0.64		0.66	-	octhilinone	C11H19NOS	C	-	-	-	-
0.66	HN(WB)6/HX(WB)9/ NI(WB)10/NP(WB)19	0.74	1.2	vinclozolin metabolite B	C12H11Cl2NO4	C	P #	C	6+15	2
0.66	HX0	0.54	-	4-chloro-6-methoxyindole	C9H8NOCl	-	R	-	15	-
0.66	HX(WB)0.6	0.59	0.73	2,3,5,6-tetrachloroanisidine	C7H5Cl4NO	-	C	-	6	2
0.66	NP(WB)50	0.94	0.97	prodiamine	C13H17F3N4O4	C	-	-	-	-
0.66	NI(WB)0.8	0.41	1.91	4-chlorobenzylmethyl sulfone	C8H9ClO2S	-	NR	NR	6-15-50	1-2-3
0.66	FP10	0.55	1.71	parathion-methyl oxygen analog	C8H10NO6P	-	NR	NR	6-15-50	1-2-3
0.66	NI0.6/NP10	0.67	0.79	pentachloroaniline	C6H2Cl5N	C	C	C	6	1
0.66	NI4500/NP64	0.5	2.33	ethylenethiourea	C3H6N2S	S	NR	NR	6-15-50	1-2-3
0.67	NP6	0.73	-	CP 108064, methylated	C15H21NO4	-	-	-	-	-
0.67	NI0.6	0.82	0.64	chlordene, alpha-	C10H6Cl6	-	-	-	-	-
0.67	NI5	0.75	0.88	acetochlor	C14H20NO2Cl	C	C #	P	50	3
0.67	NI0.5	0.5	1.71	BHC, delta-	C6H6Cl6	C	C	C	6+15	1
0.68	NP2	0.58	-	cyromazine	C6H10N6	S	-	-	-	-
0.68	NI0.6/NP2	0.75	0.8	CGA 14128	C12H21N2O4PS	C		-	50	1-2-3
0.68	NP(WB)65	1.1	-	nitrothal-isopropyl	C14H17O6N	C	-	-	-	-
0.69	HX10	0.67	1.44	metobromuron	C9H11BrN2O2	C	NR	NR	6-15-50	1-2-3
0.7	NI1/NP7	0.64	1.06	benoxacor	C11H11Cl2NO2	C	P	C	15+50	2+3
0.7	NI12/NP15	0.6	1.64	ethoxyquin	C14H19N0	C	NR	NR	6-15-50	-
0.71	NI8/NP10	0.45	2.25	methidathion sulfoxide	C5H8N2O4S2	-	NR	NR	6-15-50	1-2-3
0.71	NI10	0.71	1.11	dimethachlor	C13H18ClNO2	C	-	-	-	-
0.71	FS(WB)80/HN(WB)0.4/ HX500/NI300	0.4	-	dazomet	C5H10N2S2	S	NR	-	6-15-50	1-2-3
0.72	NP1000	-	-	1-methyl cyromazine	C7H13N6	-	-	-	-	-
0.72	NI6	0.8	1	alachlor	C14H2OClNO2	C	C	C #	50	3
0.72	HN(WB)0.6/HX(WB)5/ NI(WB)2/NP(WB)8	0.54	2.1	terbacil	C9H13ClN2O2	C	NR	NR	6-15	2+3

Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.73	FP(WB)2	0.61	-	pirimicarb	C11H18N4O2	C	-	-	-	-
0.74		0.64	1.22	cyprazine	C9H14ClN5	C	-	-	-	-
0.74	FP20	0.77	-	prometryn	C10H19N5S	C	P #	P #	50	1-2-3
0.74	HX1/NI2	0.55	1.44	chlorothalonil	C8Cl4N2	S	C #	C #	6-15-50	2+3
0.75	HX0.8/HX(WB)0.4	0.81	0.85	tridiphane	C10H7Cl5O	C	C	-	6	1+2
0.76	FP2	0.67	-	phosphamidon*	C10H19ClNO5P	C	NR	NR	6-15-50	1-2-3
0.76	NI1	1.05	0.58	aldrin	C12H8Cl6	C	C	C	6	1
0.76	FP1/NI1	0.81	0.86	ronnel	C8H8Cl3O3PS	C	C	C	6	2
0.78	NP133	0.6	1.4	ethiofencarb	C10H15NO2S	C	NR	NR	6-15-50	-
0.78	NI4	0.66	2.82	propanil	C9H9Cl2NO	C	NR	NR	6-15	3
0.79	HN(WB)1/HX(WB)2/ NI(WB)1/NP(WB)7	0.69	2.01	vinclozolin metabolite S	C10H7Cl2NO3	V	P	V #	15	2
0.79	FP(WB)1.5	0.72	0.86	chlorpyrifos-methyl	C7H7Cl3NO3PS	C	C	-	6	2
0.79		0.75	1.55	prothoate	C9H20NO3PS2	C	-	-	-	-
0.8	HN(WB)0.2/NP(WB)13	0.7	-	IN-B2838	C10H15N3O3	P	NR	NR	6-15-50	1-2-3
0.81	FS1.5	0.41	2.71	dimethipin	C6H10O4S2	C	NR	NR	6-15-50	1-2-3
0.82	NI200/NP35	0.56	2.29	methidathion sulfone	C5H8N2O3S2	-	NR	NR	6-15-50	1-2-3
0.82		-	-	butylisodecyl phthalate	C22H34O4	-	-	-	-	-
0.82	NP7	0.44	-	isocarbamid	C8H15N3O2	C	-	-	-	-
0.83	FP10	0.72	-	fenitrothion oxygen analog	C9H12NO6P	C	-	-	-	-
0.84		0.88	0.92	dibutyl phthalate	C16H22O4	-	C	C	15+50	-
0.86		-	-	2,4,5-T butyl esters*	C12H13Cl3O3	-	-	-	-	-
0.86	HX3	0.96	1.45	nitrofluorfen	C13H7ClF3NO3	C	C	C	15	2
0.86	FP4/NI15	0.8	-	parathion oxygen analog	C10H14NO6P	C	NR	NR	6-15-50	1-2-3
0.87	NI3	0.94	0.69	pentachlorophenyl methyl sulfide	C7H3Cl5S	C	C	C	6	1
0.87	FP5	0.68	1.55	malathion oxygen analog	C10H19O7PS	C	NR	NR	6-15-50	1-2-3
0.87	FP2/FP(WB)1/NI3	0.71	1.64	parathion-methyl	C8H10NO5PS	C	C	C	15	2
0.88	NI1	0.98	0.89	chlordene, gamma-	C10H6Cl6	-	-	-	-	-
0.88	HN(WB)48/HX(WB)390/ NI(WB)27/NP(WB)1000	1.05	1.47	acifluorfen	C14H7ClF3NO3	-	NR	NR	6-15-50	1-2-3
0.89	NI1	0.98	0.84	chlordene, beta-	C10H6Cl6	-	-	-	-	-
0.89	NP(WB)2	0.73	-	cymiazole	C12H14N2S	-	-	-	-	-

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RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
0.89	NP(WB)10	-	-	isoproturon	C12H18N2O	S	-	-	-	-
0.9	HN(WB)3/HX(WB)23/ NI(WB)23/NP(WB)44	0.42	-	pyrazon metabolite B	C6H4ClN3O	-	NR	NR	6-15-50	1-2-3
0.9	NI100/NP300	0.6	2.65	CGA 120844	C8H9NSO3	-	NR	NR	6-15-50	1-2-3
0.9	NI1000/NP50	0.81	-	metalaxyl	C15H21NO4	C	NR	NR	6-15-50	1-2-3
0.9	HN(WB)15/NI(WB)80/ NP(WB)30	0.55	1.41	3-ketocarbofuran	C12H12NO4	S	NR	NR	6	1
0.91	HX2	4.1	1.08	dicofol, o,p'-*	C14H9Cl5O	C	V	S	6+15	2
0.91	NI0.4/NP11	0.57	1.47	metribuzin	C8H14N4OS	V	NR	NR	50	1-2-3
0.91	FP(WB)10	-	-	formothion	C6H12NO4PS2	C	NR	NR	6-15-50	1-2-3
0.92	FP2/FP(WB)1.2	0.87	-	pirimiphos-methyl	C11H20N3O3PS	C	C	C	15	3
0.92	NI2	0.82	1.07	dichlorobenzophenone, o,p'-	C13H8Cl2O	-	C	C	15	2
0.93	HN(WB)3/HX(WB)3/ NI(WB)4/NP(WB)7	0.89	3.02	vinclozolin metabolite E	C11H11Cl2NO2	C	S	NR	15+50	-
0.93	FS54/NI4.5	0.68	2.89	2,3-dihydro-3,3-methyl-2-oxo-5-benzofuranyl methyl sulfonate	C11H12O5S	-	-	-	-	-
0.93	HX7	1.03	1.21	metolachlor	C15H22ClNO2	C	S #	NR	50	1-2-3
0.93	NI6/NP15	1.15	1.22	butralin	C14H21N3O4	V	C	-	6+15+50	-
0.95	HN(WB)30	0.55	3.6	ethametsulfuron methyl ester*	C15H18N6O6S	-	NR	NR	6-15-50	1-2-3
0.95	NP5.5	0.71	-	fuberidazole	C11H8N2O	C	-	-	-	-
0.95		0.85	2.13	linuron	C9H10Cl2N2O2	V	V #	V	50	3
0.96	FP3	0.71	2.95	demeton-O sulfone*	C8H19O5PS2	C	-	-	-	-
0.96	NI1/NP5	0.99	1.91	KWG 1323	C14H16ClN3O3	C	NR	NR	6-15-50	1-2-3
0.96	NP16	0.97	-	difenoxuron	C16H18N2O3	-	-	-	-	-
0.97		1.13	-	trichloronat	C10H12Cl3O2PS	C	C	-	6	-
0.98	HX3	0.94	1	thiobencarb	C12H16ClNOS	C		V	15	2+3
0.99	NI1/NP9	0.77	1.62	Tycor	C9H16N4OS	C	S	S	50	3
1	HX5/HX5/HX(WB)3/ NI(WB)2/NP2/NP(WB)3	1.05	1.64	triadimefon	C14H16ClN3O2	C	S #	S #	50	1-2-3
1	FP2/NI2	1	1	chlorpyrifos	C9H11Cl3NO3PS	C	C	P	6	2
1	NI1	1.06	1.13	DCPA	C10H6Cl4O4	C	C	C	15	2
1.01	NI3/NP15	1.14	1.24	isopropalin	C15H23N3O4	C	C	-	6	-
1.01		0.9	1.71	dichlofluanid	C9H11Cl2FN2O2S2	C	C #	-	15+50	2+3

Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
1.02	FS65/NI333	0.86	1.93	ethofumesate	C13H18O5S	C	-	-	-	-
1.02	FP6	0.66	-	phorate oxygen analog sulfone	C7H17O5PS2	C	NR	NR	6-15-50	1-2-3
1.03	NP600	0.8	-	3-hydroxymethyl-2,5-dimethylphenyl methylcarbamate	C11H15NO3	-	NR	NR	6-15-50	1-2-3
1.04	NI4	0.55	0.86	tetraiodoethylene	C2I4	-	P	P	6	-
1.05		-	-	2,4,5-T butyl esters*	C12H13Cl3O3	-	-	-	-	-
1.05		0.87	-	demeton-O sulfoxide	C8H15O4PS2	C	-	-	-	-
1.05	NI0.6	1.33	0.94	octachlor epoxide	C10H4Cl8O	C	C	C	6	1
1.05	NP(WB)8	-	-	norea	C13H15N2O	C	-	-	-	-
1.05	FP3/FP(WB)1.1	0.84	1.82	fenitrothion	C9H12NO5PS	C	C	C	15	2
1.05	FP3/NI7	0.91	1.49	malathion	C10H19O6PS2	C	C	C	15+50	3
1.05		0.75	-	carbaryl	C12H11NO2	C	-	-	-	-
1.06	FP40	0.78	-	phorate oxygen analog sulfoxide	C7H17O4PS2	C	NR	NR	6-15-50	1-2-3
1.06	NI10/NP125	0.83	3.77	metribuzin, deaminated metabolite	C8H13N3OS	C	NR	NR	6-15-50	1-2-3
1.07		0.87	-	4-chlorophenoxyaniline*	C12H10ClNO	S	-	-	-	-
1.07	NI1	0.99	1.63	1-hydroxychlordene	C10H6Cl6O	-	R	-	15	-
1.07	FP2/NI4	0.98	1.91	parathion	C10H14NO5PS	C	C	C	15	2
1.07	NI(WB)40	0.54	-	4-chlorophenylurea	C7H7ClN2O	NR	NR	NR	6-15-50	1-2-3
1.08	HX3	4.4	1.28	dicofol, p,p'-*	C14H9Cl5O	C	V	P #	6+15	1+2
1.08		0.95	1.51	chlorpyrifos oxygen analog	C9H11Cl3NO4P	C	NR	-	6-15-50	-
1.08	NI2	0.99	1.25	dichlorobenzophenone, p,p'-	C13H8Cl2O	-	C	C	15	2
1.09	NI1/NP6	1.25	8	MB45950	C12H4SN4F6Cl2	S	P	V	15+50	2+3
1.12	NI2	1.37	1.22	S-bioallethrin	C19H26O3	-	C	-	50	-
1.12	FP9	0.78	-	fenthion oxygen analog	C10H15O4PS	C	NR	NR	6-15-50	1-2-3
1.13	NI(WB)600	1.04	-	PPG-947	C17H11ClF3NO7	-	NR	NR	6-15-50	1-2-3
1.14	FP(WB)2.4	1.01	-	pirimiphos-ethyl oxygen analog	C13H24N3O4P	C	-	-	-	-
1.14	FP3/NI4	1.14	1.03	pirimiphos-ethyl	C13H24N3O3PS	C	C	C	15+50	3
1.15	HX0.9/NI2	1.29	1.22	heptachlor epoxide	C10H5Cl7O	C	C	C	6	2
1.16	NI1/NP5	1.35	8.7	fipronil	C12H4Cl2F6N4OS	S	S	V	50	3
1.16	FP3/NI2	1.11	1.29	bromophos	C8H8BrCl2O3PS	C	C	C	6	-
1.17		0.8	-	methiocarb sulfone	C11H15NO4S	S	NR	NR	6-15-50	1-2-3
1.18	NP1000	3	-	NTN33823	C9H11N4Cl	-	NR	NR	6-15-50	1-2-3

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Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
1.18	FP3	0.96	1.46	fenthion	C10H15O3PS2	C	S #	NR	6+15	1-2-3
1.19	HX13/HX(WB)2/NI(WB)3/NP(WB)3	1.44	2.23	triflumizole	C15H15ClF3N3O	C	-	-	-	-
1.2	NI2	1.19	1.15	TDE, o,p'-, olefin	C14H9Cl3	-	-	-	-	-
1.21	NI1.5/NP6	1.22	1.48	pendimethalin	C13H19N3O4	C	C	P	15	2
1.24	FP7	1.17	1.74	isofenphos oxygen analog	C15H24NO5P	C	-	-	-	-
1.26	FP6	0.89	2.55	phorate sulfoxide	C7H17O3PS3	C	NR	NR	6-15-50	1-2-3
1.28	FP2/NI60	0.92	2.9	terbufos oxygen analog sulfone	C9H21O5PS2	C	NR	NR	6-15-50	1-2-3
1.29	FP(WB)2/NI3	1.21	1.58	chlorfenvinphos, alpha-	C12H14Cl3O4P	C	-	NR	6-15-50	-
1.3	FP2	0.97	3.26	phorate sulfone	C7H17O4PS3	C	S #	S #	6-15-50	3
1.3	FP2/NI3	1.08	2.33	crufomate	C12H19ClNO3P	C	NR	NR	6-15-50	-
1.31		1.28	-	4-chlorophenoxyaniline*	C12H10ClNO	S	-	-	-	-
1.32	HX3/HX(WB)2/NI(WB)2/NP(WB)3	1.24	-	penconazole	C13H15Cl2N3	C	-	-	-	-
1.32		0.96	-	carbetamide	C12H16N2O3	-	-	-	-	-
1.32	HN(WB)1/NP(WB)50	1.4	-	dinobuton	C14H18N2O7	C	-	-	-	-
1.33	NI40/NP200	1.11	4.7	isoxaflutole (prop)	C15H12SNO4F3	NR	V #	S #	50	3
1.34	NI0.6	1.49	1.46	chlordane, trans-	C10H6Cl8	C	C	C	6	1
1.36	NP250	0.21	-	3-(3,4-dichlorophenyl)-1-methoxyurea	C8H8Cl2N2O2	R	NR	NR	6-15-50	
1.36	HN(WB)1/HX(WB)8/NI(WB)6/NP(WB)5	0.8	4.8	bromacil	C9H13BrN2O2	C	NR	NR	6-15-50	1-2-3
1.38	NI40/NP250	1.13	4.7	RPA202248	C15H12SNO4F3	NR	NR	NR	6-15-50	1-2-3
1.38	FP2	1.36	1.73	isofenphos	C15H24NO4PS	C	C	-	15+50	-
1.39	NP(WB)10	1.18	-	cyprodinil	C14H15N3	C	NR	NR	6-15-50	1-2-3
1.4	HX(WB)6/NI4.5	1.55	-	haloxyfop methyl ester	C16H13ClF3NO4	-	-	-	-	-
1.41		1.25	-	tolylfluanid	C10H13ClFNOS	C	-	-	-	-
1.42	HX0.4/NI0.8	1.75	1.45	nonachlor, trans-	C10H5Cl9	C	C	C	6	1
1.42		1.27	3.39	chlorbromuron	C9H10BrClN2O2	V	V	V	50	3
1.43	FP25	1.34	0.65	merphos*	C12H27PS3	-	C	C	6+15+50	3
1.43	FP(WB)12	0.93	-	des N-isopropyl isofenphos oxygen analog	C12H18NO5P	-	-	-	-	-
1.43	NP6	1.05	-	pyracarbolid	C13H15NO2	-	-	-	-	-
1.44	NI5	-	1.67	2,4-D butoxyethyl ester*	C14H18Cl2O4	-	-	-	-	-

Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
1.44	HX7/HX(WB)4/NI(WB)50/ NP(WB)6	1.36	-	triadimenol	C14H18ClN3O2	C	NR	NR	6-15-50	-
1.45	FP(WB)0.3	1.51	1.42	bromophos-ethyl	C10H12BrCl2O3PS	C	C	P	6	-
1.45	NI4	1.45	1.36	TDE, p,p'-, olefin	C14H9Cl3	C	C	C	6	1
1.46	FS88/NI96	1	6.6	2-hydroxy-2,3-dihydro-3,3-methyl-5-benzofuranyl methyl sulfonate	C11H14O5S	-	-	-	-	-
1.46	HX5/NP4	1.5	-	metazachlor	C14H16ClN3O	C	-	-	-	-
1.46	HX9	1.73	1.83	butachlor	C17H26ClNO2	C	C	-	50	-
1.47	HX1/NI2	1.64	1.38	endosulfan I	C9H6Cl6O3S	C	C	C	15	2
1.47	NP20	1.24	1.88	anilazine	C9H5Cl3N4	V	S	P	15+50	2+3
1.48	NI5	-	-	2,4-D isooctyl ester*	C16H22Cl2O3	-	-	-	-	-
1.48	HX6	0.89	4.9	cyanazine	C9H13ClN6	C	NR	-	6-15-50	-
1.48	FP(WB)3	0.72	-	oxydemeton-methyl sulfone	C6H15O5PS2	C	-	-	-	-
1.48	NI0.8	1.66	1.54	chlordane, cis-	C10H6Cl8	C	C	C	6	1
1.49	HX1	1.37	3.04	procymidone	C13H11Cl2NO2	C	C	P	15	-
1.5	FP3	1.21	2.73	des N-isopropyl isofenphos	C12H18NO4PS	C	S	-	50	-
1.51	NI1	1.55	1.28	DDE, o,p'-	C14H8Cl4	C	C	C	6	1
1.52	FP4/FP(WB)2/NI3	1.29	2	chlorfenvinphos, beta-	C12H14Cl3O4P	C	S #	-	50	1-2-3
1.54	NI1000	1.39	1.89	CGA 189138	C13H8O3Cl2	-	-	-	-	-
1.54		1.15	4.3	CGA 91305	C10H8Cl2N3O	V	NR	NR	6-15-50	1-2-3
1.54	HX3/NI1	1.39	1.62	chlorbenside	C13H10Cl2S	C	S	P	6	1
1.55	HN(WB)3/HX(WB)17/ NI(WB)19/NP(WB)12	0.86	-	6-chloro-2,3-dihydro-7-hydroxy= methyl-3,3-methyl-5H-oxazolo= (3,2-a)pyrimidin-5-one	C9H13ClN2O3	-	NR	NR	6-15-50	1-2-3
1.55	NP(WB)25	1.1	-	diphenamid	C16H17NO	V	NR	-	6-15	-
1.56	NP4	1.16	-	phenothiazine	C12H9NS	-	-	-	-	-
1.58	FP2/NI10	1.2	-	terbufos sulfone	C9H21O4PS3	C	C #	C #	6-15-50	2+3
1.58	FP3/FP(WB)1.9	1.28	2.67	mecarbam	C10H20NO5PS2	C		-	50	-
1.59	NI1000	6.7	-	CGA 205375	C16H13N3O2Cl2	-	-	-	-	-
1.59	HX7/HX(WB)3/NI(WB)85/ NP(WB)5	1.52	-	paclobutrazol	C15H20ClN3O	C	-	-	-	-
1.6	NI1000	1.28	-	3-phenoxybenzenemethanol	C13H12O2	-	-	-	-	-
1.64	NI6/NP30	1.57	1.84	cyclanilide methyl ester	C12H11Cl2NO3	-	-	-	-	-

Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
1.64	FP3/FP(WB)3	1.32	2	quinalphos	C12H15N2O3PS	C	C	-	15	-
1.65		1.65	-	DDMS	C14H11Cl3	-	R	-	6	-
1.66	FP10/NI120/NP7	1.08	3	fosthiazate	C9H18NO3PS2	C	NR	NR	6-15-50	1-2-3
1.68		2.1	1.78	2,4-D ethyl hexyl ester*	C16H22Cl2O3	-	-	-	-	-
1.75	FP5	1.15	5.8	demeton-S sulfone	C8H19O5PS2	C	-	-	-	-
1.76		2.12	1.76	pyrethrins*	C21H27O4	-	C	C	50	-
1.78	NI5	2.04	1.78	2,4-D isooctyl ester*	C16H22Cl2O3	-	-	-	-	-
1.79	NI5	1.82	2.08	2,4-D butoxyethyl ester*	C14H18Cl2O4	-	-	-	-	-
1.79	NP(WB)23	1.86	2.91	hexaconazole	C14H17Cl2N3O	C	-	-	-	-
1.8	FP125/NI200/NP40	1.07	-	methidathion oxygen analog	C6H11N2O5PS2	-	NR	NR	6-15-50	1-2-3
1.82	NI3	1.85	1.74	prothiofos	C11H15Cl2PO2S2	C	C	C	6	2
1.83	FP2/FP(WB)2.6/NI5	1.31	2.05	phenthoate	C12H17O4PS2	C	C	-	15+50	-
1.84	HX1.5/NI1	1.91	1.87	dieldrin	C12H8Cl6O	C	C	C	15	2
1.85		1.57	-	oxythioquinox	C10H6N2OS2	C	-	-	-	-
1.85	NI2	1.2	3.49	captan	C9H8Cl3NO2S	C	P	C	50	3
1.86	HN(WB)120/HX(WB)66/ NI(WB)78	1.9	3.16	PPG-2597	C20H17ClF3NO6	-	NR	NR	6-15-50	1-2-3
1.86	NI1	1.92	1.59	DDE, p,p'-	C14H8Cl4	C	C	C	6	1
1.88	FP25	1.95	1.64	merphos*	C12H27PS3	-	C	C	6+15+50	3
1.88		1.73	-	chlorflurecol methyl ester	C15H11ClO3	C	-	-	-	-
1.88	FP3/NI3	1.95	1.65	tribufos	C12H27OPS3	C	C	P	15+50	3
1.9	FP10/FP(WB)3	1.37	2.85	crotoxyphos	C14H19O6P	C	NR	NR	6-15-50	1-2-3
1.92		1.26	3.5	Sulphenone	C12H9ClO2S	C		-	50	3
1.94	NI9	1.23	3.01	folpet	C9H4Cl3O2NS	C	C	P	15+50	2+3
1.96	NI2	1.97	2.48	oxadiazon	C15H18Cl2N2O3	C	C	P	15	-
1.97	FP10/FP(WB)3	1.58	2.72	Gardona	C10H9Cl4O4P	C	NR	NR	6-15-50	1-2-3
1.98	NI2/NP10	2.06	31	MB46136	C12H4SO2N4F6Cl2	S	S	V	50	2+3
1.99	HX10	1.88	-	pretilachlor	C17H26ClNO2	C	-	-	-	-
2	NI11/NP200	1.78	3.14	diethatyl-ethyl	C16H22ClNO3	C	NR	NR	6-15-50	1-2-3
2.03	HN(WB)1.3/HX7/HX4/ HX(WB)2/NI(WB)4/NP(WB)8	2.02	3.4	diclobutrazol	C15H19Cl2N3O	C	NR	NR	6-15-50	1-2-3
2.04		1.48	-	thiabendazole	C10H7N3S	C	NR	-	6-15-50	-

Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
2.08	HX19/HX(WB)2/NI(WB)5/NP(WB)10	1.76	4	imazalil	C14H14Cl2N2O	C	NR	NR	6-15-50	-
2.1		1.58	2.46	triazamate	C13H22N4O3S	C	NR	NR	6-15-50	1-2-3
2.11	FP7	-	-	jodfenphos	C8H8Cl2IO3PS	C	-	-	-	-
2.11	NP200	-	-	sulfanilamide	C6H8O2N2S	NR	NR	NR	6-15-50	1-2-3
2.12		1.7	-	napropamide	C17H20NO2	C	-	-	-	-
2.13	FP5/FP(WB)2.9	1.8	2.34	profenofos	C11H15BrClO3PS	C	P	P	50	3
2.16	HX9/NI2/NP350	2	4	oxyfluorfen	C15H11ClF3NO4	C	C	C	15	2
2.19	NI2	1.9	2.46	TDE, o,p'-	C14H10Cl4	-	C	C	6	1
2.2	HX5	1.61	3.04	ovex	C12H8Cl2O3S	C	C	C	15	2
2.28	FP(WB)2.4/NI10	1.4	3.33	methidathion	C6H11N2O4PS3	C	S	P #	50	3
2.29	NI2	2.13	2.22	endrin	C12H8Cl6O	C	C #	C #	15	2
2.31	HX40	2.3	2.36	fluazifop butyl ester	C19H20F3NO4	C	C	V	15	3
2.33	HX24/HX(WB)5/NP(WB)6	1.97	-	flusilazole	C16H15F2N3Si	C	-	-	-	-
2.34	NI2/NP50	2.21	-	chlorfenapyr (prop)	C15H11BrClF3N2O	P	-	S	50	2
2.38	NI22/NP(WB)100	2.19	4.2	binapacryl	C15H18N2O6	C	P	P	15	-
2.38	HX2/NI5	2.75	1.67	chlordecone	C10H8Cl10O5	-	S #	P #	15+50	1-2-3
2.39	FP7	1.5	6.7	disulfoton sulfone	C8H19O4PS3	C	NR	-	6-15-50	-
2.4	HN(WB)5	2.14	5	PPG-947, methylated*	C18H13ClF3NO7	-	-	-	-	-
2.4	HN(WB)4/HX(WB)6.5/NI(WB)3/NP(WB)210	2.15	5	PPG-847, methylated	C15H9ClF3NO3	-	-	-	-	-
2.41	NI5/NP38	1.53	6.5	CGA 94689A	C15H21NO5	V	NR	NR	6-15-50	1-2-3
2.41	FS(WB)90/NI(WB)80/NP(WB)80	1.28	-	hexythiazox	C17H21ClN2O2S	-	S #	NR	50	2+3
2.41	FP10/NP3	1.66	3.7	fenamiphos	C13H22NO3PS	C	NR	NR	6-15-50	1-2-3
2.41	NI15	2.33	2.9	chloropropylate	C17H16Cl2O3	P	C	C	15+50	3
2.42	NI25	2.23	2.01	Perthane	C18H2OCl2	C	C	C	6	1
2.44	HX60	-	-	imazamethabenz methyl ester*	C16H20N2O3	C	-	-	-	-
2.45	NI10/NP75	1.54	6.6	CGA 94689B	C15H21NO5	S	NR	NR	6-15-50	1-2-3
2.45		1.94	-	flamprop-methyl	C17H15ClFNO3	C	-	-	-	-
2.51	FP3	-	-	mephosfolan	C8H16NO3PS2	C	-	-	-	-
2.55	HN(WB)13/HX(WB)99/NI(WB)35/NP(WB)290	1.35	2.27	3-tert-butyl-5-chloro-6-hydroxy= methyluracil	C9H13ClN2O3	-	NR	NR	6-15-50	1-2-3

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Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225		Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
2.55	HN(WB)1.2/NP(WB)53	1.41	-		IN-T3936	C10H15N3O4	S	NR	NR	6-15-50	1-2-3
2.58	FP5	2.24	-		chlorthiophos*	C11H15Cl2O3PS2	C	C	C	6	2
2.6	HX10/HX(WB)4/NI(WB)21/ NP75/NP(WB)6	1.9	7.2		myclobutanil	C15H17ClN4	C	NR	NR	6-15-50	1-2-3
2.6	NP(WB)300	2	3.7		bupirimate	C13H24N4SO3	C	-	-	-	-
2.61	NI2	2.52	3.33		nonachlor, cis-	C10H5Cl9	C	C	C	6	1
2.61	NI15	2.31	3.26	-	chlorobenzilate	C16H14Cl2O3	C	C #	P #	15+50	3
2.62		3.38	-		2,4,5-T ethylhexyl ester	C16H21Cl3O3	-	-	-	-	-
2.67	NP36	1.5	4.3		TCMTB	C9H6N2S3	C	P	P	15	-
2.69		2.04	1.61		cyproconazole	C15H18ClN3O	C	NR	NR	6-15-50	1-2-3
2.69	FP5	-	-		phosfolan	C7H14NO3PS2	C	-	-	-	-
2.7		2.95	2.84		pyrethrins*	C21H27O4	-	C	C	50	-
2.7	NI2	2.55	2.27		DDT, o,p'-	C14H9Cl5	C	C	C	6	1
2.71	NI3	2.03	3.8		nitrofen	C12H7Cl2NO3	C	C	C	15	2
2.76	HX60	1.79	3.5		imazamethabenz methyl ester*	C16H20N2O3	C	-	-	-	-
2.77	FP5	2.36	-		chlorthiophos*	C11H15Cl2O3PS2	C	C	C	6	2
2.77	HX3/NI2	2.21	3.9		endosulfan II	C9H6Cl6O3S	C	C	C	15+50	2
2.8	NI5	2.64	2.33		tetrasul	C12H6Cl4S	C	C	C	6	1
2.81		2.46	-		flamprop-M-isopropyl	C19H19ClFNO3	C	-	-	-	-
2.87	FP15	4.2	-		carbophenothion oxygen analog sulfoxide	C11H16ClO4PS2	-	-	-	-	-
2.87	NI2	2.41	3.8		TDE, p,p'-	C14H10Cl4	C	C	C	6	1
2.88		3.03	2.74		ethephon	C2H6ClO3P	NR		-	6+15+50	1+2+3
2.92	NP(WB)8	2.07	-		methoprotryne	C11H21N5OS	C	-	-	-	-
2.96	NI1000/NP150	1.8	-		CGA 100255	C15H12NO5	S	-	-	-	-
2.99	FP10/HX11	2.22	4.1		chlorthiophos oxygen analog	C11H15Cl2O4PS	C	NR	NR	6-15-50	1-2-3
3	NI120/NP70	2.4	4.3		imazethapyr ammonium salt methyl ester	C16H21N3O3	-	-	-	-	-
3.06	FP15	2.17	4.2		carbophenothion oxygen analog	C11H16ClO3PS2	C	NR	NR	6-15-50	1-2-3
3.14	NI5	2.38	3.24		leptophos photoproduct	C13H11Cl2O2PS	C	-	-	-	-
3.16	FP5	2.56	-		chlorthiophos*	C11H15Cl2O3PS2	C	C	C	6	2
3.17	HX7	2.43	-		etaconazole*	C14H15Cl2N3O2	C	-	-	-	-

Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
3.17		1.6	4.1	isoprothiolane	C12H18O4S2	C	-	-	-	-
3.36	FP4/FP(WB)2.3/NI8	2.56	3.93	ethion	C9H22O4P2S4	C	C	C	6	2
3.38	NI(WB)15/NP(WB)40	2	3.02	kresoxim-methyl	C18H19NO4	P	C	C	15+50	3
3.5	NI150	-	-	dinocap*	C18H24N2O6	C	P	P	15	2
3.5	FP3	2.79	-	sulprofos	C12H19O2PS3	C	-	-	-	-
3.5	NI2	3.13	3.6	DDT, p,p'-	C14H9Cl5	C	C	C	6	1
3.6	FP(WB)29	2.78	-	sulprofos sulfoxide*	C12H19O3PS3	C	-	-	-	-
3.6	FP100	2.8	-	fensulfothion sulfone	C11H17O5PS2	C	NR	-	6-15-50	-
3.7		2.9	-	1,1'-(2,2-dichloroethylidene)bis(2-methoxybenzene)	C16H16Cl2O2	-	R	-	-	-
3.7	FP8	2.94	4.2	carbophenothion	C11H16ClO2PS3	C	C	P	6	2
3.7	NI(WB)5	3.1	-	fenhexamid	C14H17Cl2NO2	NR	NR	NR	6-15-50	1-2-3
3.8	FP6	1.99	-	fensulfothion oxygen analog sulfone	C11H17O7PS2	-	-	-	-	-
3.8	FP6/FP(WB)7	2.4	-	fensulfothion	C11H17O4PS2	C	NR	NR	6-15-50	1-2-3
3.9	NI150	4	-	dinocap*	C18H24N2O6	C	P	P	15	2
3.9	NP500/NP(WB)8	1.59	-	tricyclazole	C9H7N3S	C	-	-	-	-
3.9	NI6	2.81	7.5	Prolan	C15H13Cl2NO2	P	S	S	15	2
3.93		2.31	15	desisopropyl iprodione	C10H6Cl2N3O3	P		-	50	1-2-3
4	HX9	3.21	5.6	propiconazole*	C15H17Cl2N3O2	C	NR	NR	6-15-50	1-2-3
4	FP20	5.4	-	carbophenothion sulfoxide	C11H16ClO3PS3	-	-	-	-	-
4	HX6/NI6	2.83	8.3	endosulfan sulfate	C9H6Cl6O4S	C	C	C	50	2
4.1	FP(WB)8	2.29	-	fenthion oxygen analog sulfone*	C10H15O6PS2	-	-	-	-	-
4.1	NI20/NP100	2.96	11.5	CL 202,347	C13H19N3O5	-	-	-	-	-
4.2	HN(WB)2/HX(WB)13/ NI(WB)18/NP(WB)85	2.51	4	pyrithiobac-sodium methyl ester	C14H13ClN2O4	-	-	-	-	-
4.2	HX(WB)3	3.38	-	tebuconazole	C16H22ClN3O	C	-	-	-	-
4.2	NI200/NP50	4	15	KWG 1342	C14H18ClN3O3	-	-	-	-	-
4.2	NI10	2.97	3.7	methoxychlor olefin	C16H14Cl2O2	C	C	C	6	2
4.3	NI2600	3.8	4.8	propargite	C19H26O4S	C	C	-	15	2
4.4	NI150	4.3	6.9	dinocap*	C18H24N2O6	C	P	P	15	2
4.4	FP(WB)12	2.26	-	famphur oxygen analog	C10H16NO6PS	C	-	-	-	-
4.4	NI5	3.06	7.5	Bulan	C16H15Cl2NO2	C	P	P	15	2

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Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
4.5	NI100	6.1	1.48	tralkoxydim*	C20H27NO3	V	NR	NR	50	1-2-3
4.5	HX5/HX(WB)20	4.9	3.8	bifenthrin	C23H22ClF3O2	V	C	-	6+15	2
4.5		2.43	-	benodanil	C13H10INO	C	-	-	-	-
4.5		3.06	5.1	butyl benzyl phthalate	C19H20O4	-	C	P	15+50	-
4.6	HN(WB)100/HX(WB)14/ NI(WB)85/NP(WB)210	2.87	-	vinclozolin metabolite F	C11H13Cl2NO4	R	NR	NR	6-15-50	1-2-3
4.6		3.1	8.2	cyanofenphos	C15H14NO2PS	C	-	-	-	-
4.67	NI(WB)20	3.26	5.8	clodinafop-propargyl	C17H13ClFNO4	V	V	-	50	3
4.7	HX10	3.57	4.9	diclofop-methyl	C16H14Cl2O4	C	C	C	15	2
4.7	FP20	2.39	-	fenthion sulfone	C10H15O5PS2	C	NR	NR	6-15-50	1-2-3
4.8	NI150	4.8	7.7	dinocap*	C18H24N2O6	C	P	P	15	2
4.8	HX4	3.36	7.3	nuarimol	C17H12ClFN2O	C	NR	C #	50	1-2-3
4.9	HX(WB)3	3.38	1.41	desmethyl norflurazon	C11H7ClF3N3O	V	NR	NR	6-15-50	1-2-3
5	NP14	2.5	14	oxadixyl	C14H18N2O4	C	NR	NR	6-15-50	1-2-3
5	NI9	3.3	4.5	methoxychlor, o, p'-	C16H15Cl3O2	-	C	-	6	-
5	FP5	2.49	-	fensulfothion oxygen analog	C11H17O5PS	C	NR	-	6-15-50	-
5	FP50/FP(WB)7	2.65	14	famphur	C10H16NO5PS2	C	NR	-	6-15-50	-
5.01	NP(WB)10	4.5	-	norflurazon	C12H9ClF3N3O	V	NR	NR	6-15-50	-
5.2	HX20/NI35/NP200	-	-	iprodione*	C13H13Cl2N3O3	C	S #	NR	50	1-2-3
5.2	FP5/FP(WB)5	2.62	-	triazophos	C12H16N3O3PS	C	-	-	-	-
5.3		5.4	-	carbosulfan	C20H32N2O3S	P	-	-	-	-
5.3	FP(WB)8	2.87	6.3	edifenphos	C14H15O2PS2	C	-	-	-	-
5.4	HX51	2.62	18.6	ofurace	C14H16NO3Cl	C	-	-	-	-
5.4	NI5	3.11	-	captafol	C10H9Cl4NO2S	C	P	-	50	3
5.6	NI150	5.1	9.5	dinocap*	C18H24N2O6	C	P	P	15	2
5.6	NI4	5.8	2.95	mirex	C10Cl12	P	C	P	6	1
5.7	NI13	4.8	7	fenpropathrin	C22H23NO3	-	V #	V	15	2
6	NI8	4.3	8.4	benzoylprop-ethyl	C18H17Cl2NO3	P	NR	NR	6-15-50	1-2-3
6.1	NI200	12	8.9	CGA 205374	C16H11N3O2Cl2	-	NR	NR	6-15-50	1-2-3
6.1		6.4	4.5	bis(2-ethylhexyl) phthalate	C24H38O4	-	C	C	15+50	-
6.2		17	-	deltamethrin, trans-*	C22H19Br2NO3	-	P #	NR	15	2
6.2	FP(WB)12	3.8	-	phosalone oxygen analog	C12H15ClNO5PS	C	-	-	-	-

Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225		Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
6.3	HX20/NI35/NP200	4.2	18		iprodione*	C13H13Cl2N3O3	C	S #	NR	50	1-2-3
6.3	NI7	3.8	24		nitralin	C13H19N3O6S	C	P	P	50	3
6.3	NI(WB)20	4.8	6.6		cloquintocet-mexyl	C18H22ClNO3	V	NR	-	6-15-50	1-2-3
6.5		5.4	4.8	-	phenothrin*	C23H26O3	-	-	-	-	-
6.5		4.2	7.6		leptophos oxygen analog	C13H10BrCl2O3P	C	-	-	-	-
6.8		4.8	9.7		piperophos	C14H28NO3PS2	C	-	-	-	-
6.9	FP25/HX17	4.7	10.3		chlorthiophos sulfoxide	C11H15Cl2O4PS2	C	NR	NR	6-15-50	1-2-3
6.9	FP50/NI9	4.5	10.6		EPN	C14H14NO4PS	C	C	C	15	2
7.1	FP150	3.1	14.8		phosmet oxygen analog*	C11H12NO5PS	-	NR	NR	6-15-50	-
7.1	FP(WB)24	3.8	-		carbophenothion oxygen analog sulfone	C11H16ClO5PS2	-	-	-	-	-
7.2		4.5	8.5		tetramethrin*	C19H25NO4	C	NR	NR	6-15-50	1-2-3
7.2	NI8	4.7	8.6		tetrasul sulfoxide	C12H6Cl4OS	-	-	-	-	-
7.2	NI7	4.7	7.2		methoxychlor, p, p'-	C16H15Cl3O2	C	C	C	6	2
7.3	NP50	5	-		fenoxycarb	C17H19NO4	C	-	-	-	-
7.5	FS(WB)1500/NI(WB)0.1/ NP(WB)73	3.3	-		3-desmethyl sulfentrazone	C10H8Cl2F2N4O3S	-	NR	NR	6-15-50	1-2-3
7.5	NP375	3.6	37.1		myclobutanil alcohol metabolite	C15H17ClN40	S	NR	NR	6-15-50	1-2-3
7.5	HX80	5.3	-		iprodione metabolite isomer	C13H13Cl2N3O3	C	S	-	50	-
8	HX30	7.4	-		lambda-cyhalothrin	C23H19ClF3NO3	C	-	-	-	-
8	HX(WB)50	2.67	13		pyrazon	C10H8ClN3O	C	NR	NR	6-15-50	1-2-3
8.1	FP(WB)28/NP45	5.2	-		fenamiphos sulfoxide	C13H22N04PS	C	NR	NR	6-15-50	1-2-3
8.3	NI5	5.2	-		tetradifon	C12H6Cl4O2S	C	C	C	15	2
8.4	FP(WB)20/NP60	4.5	-		fenamiphos sulfone	C13H22NO5PS	C	NR	NR	6-15-50	1-2-3
8.4	FP50/NI78	4	14.9		phosmet	C11H12O4NPS2	C	NR	-	6-15-50	3
8.5	FP(WB)15/NI12	5.8	7.7		leptophos	C13H10BrCl2O2PS	C	C	C	6	2
8.5	NI5	4.4	15.5		photodieldrin	C12H8Cl6O	-	C	C	15+50	2
8.7		4.2	14		pyridaphenthion	C14H17O4N2SP	C	-	-	-	-
8.8		5	14.9		bifenox	C12H9Cl2NO5	C	C	P	15+50	2+3
8.9	NI25/NP100	10.4	12.8		acrinathrin	C26H21F6NO5	V	V	V #	15	2
9.1	FP100/HX22	5.3	18.8		chlorthiophos sulfone	C11H15Cl2O5PS2	C	C	-	50	3
9.1	NI12	5.5	5.5		phosalone	C12H15ClNO4PS2	C	C	C	50	2+3

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Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
9.2	FP30	5.1	-	carbophenothion sulfone	C11H16ClO4PS3	C	C	P	6	1
9.4	HN(WB)4	3.28	-	oxycarboxin	C12H13NO4S	R	-	-	-	-
9.8	NP165	5.9	-	clofentezine	C14H8Cl2N4	R	S	-	15	2
10.1		6.6	-	fenarimol	C17H12Cl2N2O	C	P #	C #	50	3
10.1	FP(WB)42	3.7	-	azinphos-methyl oxygen analog	C10H12N3O4PS	C	-	-	-	-
10.5		8.1	11.3	fenoxaprop ethyl ester	C18H16NO5Cl	S	V	V	50	3
10.6	FP40/FP(WB)28/NI20/NP40	5.1	-	sulprofos oxygen analog sulfone	C12H19O5PS2	C	-	-	-	-
11		7	-	tebufenozide	C22H28N2O2	-	NR	NR	6-15-50	1-2-3
11.3	NP(WB)120	4.7	53	dithianon	C14H4O2N2S2	NR	-	-	-	-
11.4		7	-	CGA 118244	C15H13Cl2N3O3	V	NR	NR	6-15-50	1-2-3
11.5	NI1000/NP1000	6.5	-	myclobutanil dihydroxy metabolite	C15H17N4O2Cl	NR	NR	NR	6-15-50	1-2-3
11.7	FP(WB)29	6.1	-	sulprofos sulfoxide*	C12H19O3PS3	C	-	-	-	-
11.8	NP(WB)200	9.4	-	bitertanol*	C20H23N3O2	C	-	-	-	-
11.8		5.2	-	azinphos-methyl	C10H12N3O3PS2	C	NR	NR	6-15-50	1-2-3
12.5	NP(WB)200	9.7	-	bitertanol*	C20H23N3O2	C	-	-	-	-
12.6	NI70	7.9	10.8	HOE-030291	C17H16Cl2O5	-	-	-	-	-
13	FP25	8.1	-	pyrazophos	C14H20N3O5PS	C	-	-	-	-
13.1	FP(WB)26	7.2	-	sulprofos sulfone	C12H19O4PS3	C	-	-	-	-
13.8		9.4	11.1	permethrin, cis-	C21H20Cl2O3	C	V #	C	6+15	2
14.3	FP25/FP(WB)31	6.5	-	dialifor	C14H17ClNO4PS2	C	C	P	15	2
14.8	FP(WB)26/NI20	6.9	-	azinphos-ethyl	C12H16N3O3PS2	C	P	S	50	3
15		11.5	10.9	phenothrin*	C23H26O3	-	-	-	-	-
15		10.2	13	permethrin, trans-	C21H20Cl2O3	C	V #	C	6+15	2
15.4		10.4	-	prochloraz	C15H16Cl3N3O2	C	-	-	-	-
16	FP75/NI50/NP40	8	45	coumaphos oxygen analog	C14H16ClO6P	C	NR	NR	6-15-50	1-2-3
16	NI400	13	13	hexachlorophene	C13H6Cl6O2	-	NR	NR	6-15-50	-
18	FP50/FP(WB)26/NI38/NP34	9	40	coumaphos	C14H16ClO5PS	C	NR	C #	6-15-50	3
20		29	-	deltamethrin, trans-*	C22H19Br2NO3	-	P #	NR	15	2
20.2	FP100	9.5	-	bensulide	C14H24NO4PS3	C	P	C	50	3
21		17.1	-	deltamethrin*	C22H19Br2NO3	C	S #	P	15	2
21.4		14.7	36.9	flucythrinate*	C26H23F2NO4	C	C	-	15	2+3
23		14.1	33	cypermethrin*	C22H19Cl2NO3	C	C	C	15	2

Appendix I: PESTDATA Chemicals in Order by OV-17 Relative Retention Time (continued)

RRT/c OV-17	Detector Responses with OV-17 Column	RRT/c OV-101	RRT/c OV-225	Name	Molecular Formula	Recoveries 302	303	304	Ethers	CH_2Cl_2
24		16.1	42	flucythrinate*	C26H23F2NO4	C	C	-	15	2+3
25		15.1	36	cypermethrin*	C22H19Cl2NO3	C	C	C	15	2
25		13.6	-	quizalofop ethyl ester	C19H17ClN2O4	C	-	-	-	-
35		-	56	fluvalinate*	C26H22ClF3N2O3	C	C	-	15	2
35		27	-	deltamethrin*	C22H19Br2NO3	C	S #	P	15	2
35		20.3	44	fenvalerate*	C25H22ClNO3	C	C	C	15	2
38		25	59	fluvalinate*	C26H22ClF3N2O3	C	C	-	15	2
38		31	19.7	deltamethrin, trans-*	C22H19Br2NO3	-	P #	NR	15	2
38		29	19.9	deltamethrin*	C22H19Br2NO3	C	S #	P	15	2
40		22.5	51	fenvalerate*	C25H22ClNO3	C	C	C	15	2
43	NI200/NP500	23	57	PB-7, methylated	C20H25ClN2O3S	-	-	-	-	-
44		27	64	tralomethrin	C22H19Br4NO3	C	V	S	15	2
46	NI250/NP750	25	87	PB-9	C19H25ClN2O2S	V	NR	NR	6-15-50	1-2-3

Transmittal No. 2000-1 (10/1999)
Form FDA 2905a (6/92)