

Table S1 Retention Times, mass Parameters Of 515 Pesticides.

Compound Name	Molecular Formula	Rt/min	Type Of Ion	Precursor M/z	Product Ion M/z
1,3-Diphenyl Urea	C13H12N2O	7.106	[M+H] ⁺	213.1022	77.0386,94.0651,92.0495
1-Naphthyl Acetamide	C12H11NO	4.068	[M+H] ⁺	186.0903	115.0542,141.0699,142.0733
2,6-Dichlorobenzamide	C7H5Cl2NO	3.206	[M+H] ⁺	189.9821	172.9556,108.984,144.9606
2,3,5-Trimethacarb	C11H15NO2	7.146	[M+H] ⁺	194.1176	122.0726,137.0961,138.0995
3,4,5-Trimethacarb	C11H15NO2	7.292	[M+H] ⁺	194.1163	137.0961,122.0726,109.1012
6-Benzylaminopurine	C12H11N5	3.826	[M+H] ⁺	226.1078	191.0542,92.0576,148.0618
Acephate	C4H10NO3PS	1.922	[M+H] ⁺	184.0192	142.9926,124.9821
Acetamiprid	C10H11ClN4	4.051	[M+H] ⁺	223.0745	126.0105,90.0338,98.9996
Acetamiprid-N-Desmethyl	C9H9ClN4	3.681	[M+H] ⁺	209.0589	126.0105,90.0338,98.9996
Acetochlor	C14H20ClNO2	12.568	[M+H] ⁺	270.1255	133.0886,148.1121,224.0837
Acibenzolar-S-Methyl	C8H6N2OS2	9.262	[M+H] ⁺	210.9994	136.0090,139.9749,121.0107
Aclofen	C12H9ClN2O3	13.918	[M+H] ⁺	265.0309	248.0347,265.0373,182.0600
Akton	C12H14Cl3O3PS	18.017	[M+H] ⁺	374.9539	96.9508,153.0134,348.9198
Alachlor	C14H20ClNO2	12.568	[M+H] ⁺	270.1255	238.0993,162.1277,147.1042
Aldicarb	C7H14N2O2S	4.964	[M+H] ⁺	191.0849	89.0419,61.0106,116.0528
Aldicarb-Sulfone	C7H14N2O4S	2.702	[M+H] ⁺	223.0747	86.0600,59.0491,58.0287
Aldicarb-Sulfoxide	C7H14N2O3S	2.372	[M+H] ⁺	207.0798	89.0419,58.0287,65.0056
Allethrin	C19H26O3	17.434	[M+H] ⁺	303.1955	135.0804,123.1168,107.0855
Ametoctradin	C15H25N5	14.009	[M+H] ⁺	276.2183	176.0931,149.0822,70.0400
Ametryn	C9H17N5S	6.935	[M+H] ⁺	228.1277	68.0243,186.0808,71.0604
Amicarbazone	C10H19N5O2	4.752	[M+Na] ⁺	264.1431	165.0771,166.0795
Amidithion	C7H16NO4PS2	4.395	[M+H] ⁺	274.0331	124.9821,198.9647,170.9698
Aminocarb	C11H16N2O2	2.307	[M+H] ⁺	209.1285	137.0835,152.1070,122.0600
Anilofos	C13H19ClNO3PS2	14.764	[M+H] ⁺	368.0299	124.9821,198.9647,170.9698
Aramite	C15H23ClO4S	17.436	[M+NH4] ⁺	352.1347	191.1430,135.0804,111.0474
Athidathion	C8H15N2O4PS3	13.335	[M+H] ⁺	331.0004	85.0396,145.0066,58.0287
Atraton	C9H17N5O	4.555	[M+H] ⁺	212.1506	68.0243,170.1036,100.0505
Atrazine	C8H14ClN5	6.484	[M+H] ⁺	216.1010	174.0541,68.0243,104.0010
Atrazine-Desethyl	C6H10ClN5	3.788	[M+H] ⁺	188.0697	68.0243,146.0228,79.0058
Atrazine-Desisopropyl	C5H8ClN5	3.034	[M+H] ⁺	174.0541	68.0243,96.0556,104.0010
Avermectin B1a	C48H72O14	18.624	[M+Na] ⁺	895.4814	751.4052,752.4086,449.2534
Avermectin B1b	C47H70O14	17.937	[M+Na] ⁺	881.4658	737.3896,738.3929,449.2534
Azaconazole	C12H11Cl2N3O2	6.433	[M+H] ⁺	300.0301	158.9763,230.9974,122.9996
Azadirachtin	C35H44O16	6.539	[M+Na] ⁺	743.2517	665.2228,725.2407,625.1916
Azamethiphos	C9H10ClN2O5PS	5.387	[M+H] ⁺	324.9809	111.9952,182.9956,139.0056
Azinphos-Methyl	C10H12N3O3PS2	13.282	[M+H] ⁺	318.0130	132.0444,77.0386,124.9820
Azoxystrobin	C22H17N3O5	11.219	[M+H] ⁺	404.1241	329.0795,372.0979,344.1030
Beflubutamid	C18H17F4NO2	14.354	[M+H] ⁺	356.1268	162.0913,177.1148,221.0584
Benalaxyl-M	C20H23NO3	14.09	[M+H] ⁺	326.1751	148.1121,294.1489,91.0542
Benazolin-Ethyl	C11H10ClNO3S	10.134	[M+H] ⁺	272.0143	169.9821,197.9770,134.0059
Bendiocarb	C11H13NO4	5.851	[M+H] ⁺	224.0917	81.0335,109.0284,167.0703
Benodanil	C13H10INO	8.403	[M+H] ⁺	323.9880	230.9301,202.9352,76.0308
Benoxacor	C11H11Cl2NO2	9.818	[M+H] ⁺	260.0240	134.0600,149.0835,120.0444
Bensulfuron-Methyl	C16H18N4O7S	7.939	[M+H] ⁺	411.0969	149.0597,119.0491,182.0560
Bensulide	C14H24NO4PS3	15.174	[M+H] ⁺	398.0678	313.9736,77.0386,158.0270
Benthiavalicarb-Isopropyl	C18H24FN3O3S	9.354	[M+H] ⁺	382.1595	116.0706,180.0278,197.0543
Benzobicyclon	C22H19ClO4S2	13.111	[M+H] ⁺	447.0488	257.0631,411.0719,258.0663
Benzofenap	C22H20Cl2N2O3	16.218	[M+H] ⁺	431.0931	146.8000,119.0494,139.0502
Benzovindiflupyr	C18H15Cl2F2N3O	14.407	[M+H] ⁺	398.0640	159.0364,342.0804,378.0571
Benzoximate	C18H18ClNO5	16.284	[M+H] ⁺	364.0946	105.0335,199.0157,77.0386
Benzoylprop-Ethyl	C18H17Cl2NO3	15.201	[M+H] ⁺	366.0658	105.0335,77.0386,320.0240
Bitertanol	C20H23N3O2	12.834	[M+H] ⁺	338.1863	70.0400,99.0804,269.1536
Bixafen	C18H12Cl2F3N3O	13.56	[M+H] ⁺	414.0384	394.0320,265.9934,396.0294
Boscalid	C18H12Cl2N2O	11.313	[M+H] ⁺	343.0399	271.0866,307.0633,272.0944
Bromacil	C9H13BrN2O2	4.899	[M+H] ⁺	261.0233	131.9443,204.9607,54.0338
Bromfenvinfos	C12H14BrCl2O4P	14.102	[M+H] ⁺	402.9263	98.9842,127.0155,155.0468
Bromfenvinfos-Methyl	C10H10BrCl2O4P	11.154	[M+H] ⁺	374.8950	127.0155,169.9685,109.0051
Bromobutide	C15H22BrNO	13.746	[M+H] ⁺	312.0958	119.0855,194.0175,139.9529
Bromophos-Ethyl	C10H12BrCl2O3PS	18.757	[M+H] ⁺	392.8878	161.9632,336.8252,177.9404
Brompyrazon	C10H8BrN3O	3.853	[M+H] ⁺	265.9924	92.0495,65.0386,104.0495
Bromuconazole	C13H12BrCl2N3O	10.625	[M+H] ⁺	375.9614	158.9763,172.9556,227.0007
Bupirimate	C13H24N4O3S	12.886	[M+H] ⁺	317.1642	166.0975,108.0114,210.1601
Buprofezin	C16H23N3OS	17.448	[M+H] ⁺	306.1635	57.0699,201.1056,106.0651
Butachlor	C17H26ClNO2	17.461	[M+H] ⁺	312.1725	57.0699,238.0993,162.1277
Butafenacil	C20H18ClF3N2O6	14.182	[M+NH4] ⁺	492.1157	331.0092,349.0197,333.0067

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Compound Name	Molecular Formula	Rt/min	Type Of Ion	Precursor M/z	Product Ion M/z
Butocarboxim	C7H14N2O2S	4.461	[M+Na] ⁺	213.0668	116.0528,76.0289,75.0263
Butocarboxim-Sulfoxide	C7H14N2O3S	2.241	[M+H] ⁺	207.0798	75.0263,68.0495,88.0215
Butoxycarboxim	C7H14N2O4S	2.702	[M+H] ⁺	223.0747	106.0321,62.9899,86.0600
Cadusafos	C10H23O2PS2	14.657	[M+H] ⁺	271.0950	96.9508,130.9385,158.9698
Cafenstrole	C16H22N4O3S	12.847	[M+H] ⁺	351.1485	72.0444,100.0757,101.0787
Carbaryl	C12H11NO2	6.339	[M+H] ⁺	202.0863	127.0542,145.0648,115.0542
Carbendazim	C9H9N3O2	2.808	[M+H] ⁺	192.0768	160.0505,132.0556,105.0447
Carbetamide	C12H16N2O3	4.726	[M+H] ⁺	237.1234	72.0808,118.0863,120.0444
Carbofuran	C12H15NO3	5.903	[M+H] ⁺	222.1125	123.0441,165.0910,77.0386
Carbofuran-3-Hydroxy	C12H15NO4	3.641	[M+H] ⁺	238.1074	107.0491,163.0754,135.0804
Carboxin	C12H13NO2S	6.578	[M+H] ⁺	236.0740	93.0573,143.0161,86.9899
Carfentrazone-Ethyl	C15H14Cl2F3N3O3	14.235	[M+H] ⁺	412.0435	345.9956,347.9929,302.0302
Carpropamid	C15H18Cl3NO	14.645	[M+H] ⁺	334.0527	139.0309,196.0291,198.0262
Chlorantraniliprole	C18H14BrCl2N5O2	8.336	[M+H] ⁺	481.9781	283.9216,450.9359,177.0083
Chlorbenzuron	C14H10Cl2N2O2	12.9	[M+H] ⁺	309.0193	156.0211,138.9945,158.0182
Chlorbromuron	C9H10BrClN2O2	9.883	[M+H] ⁺	292.9687	203.9205,125.0022,182.0241
Chlordimeform	C10H13ClN2	3.458	[M+H] ⁺	197.0840	117.0573,152.0262,125.0153
Chlorfenvinphos	C12H14Cl3O4P	13.746	[M+H] ⁺	358.9768	98.9843,155.0468,127.0155
Chloridazon	C10H8ClN3O	3.709	[M+H] ⁺	222.0429	77.0386,65.0386,92.0495
Chlorotoluron	C10H13ClN2O	6.207	[M+H] ⁺	213.0789	72.0449,140.0257,77.0386
Chloroxuron	C15H15ClN2O2	10.253	[M+H] ⁺	291.0895	72.0449,218.0362,164.0944
Chlorphonium	C19H32Cl2P	14.499	[M+H] ⁺	362.1691	76.0436,363.1587,158.9763
Chlorpyrifos	C9H11Cl3NO3PS	17.712	[M+H] ⁺	349.9336	96.9508,197.9268,321.9023
Chlorsulfuron	C12H12ClN5O4S	6.063	[M+H] ⁺	358.0371	56.0495,141.0771,167.0564
Chlorthiamid	C7H5Cl2NS	4.899	[M+H] ⁺	205.9593	171.9715,188.9327,153.9638
Cinidon-Ethyl	C19H17Cl2NO4	17.039	[M+H] ⁺	394.0607	107.0491,348.0189,366.0294
Cinosulfuron	C15H19N5O7S	5.77	[M+H] ⁺	414.1078	183.0499,83.0240,121.0284
Clethodim-Sulfoxide	C17H26ClNO4S	7.066	[M+H] ⁺	376.1361	206.1176,207.1146,268.1366
Clodinafop-Propargyl	C17H13ClFNO4	15.095	[M+H] ⁺	350.0589	91.0542,266.0367,222.0105
Clofentezine	C14H8Cl2N4	15.411	[M+H] ⁺	303.0199	102.0338,138.0105,75.0229
Clomazone	C12H14ClNO2	8.033	[M+H] ⁺	240.0786	125.0153,89.0386,98.9996
Clomeprop	C16H15Cl2NO2	16.576	[M+H] ⁺	324.0562	120.0808,203.0025,148.0757
Cloquintocet-Mexyl	C18H22ClNO3	16.839	[M+H] ⁺	336.1361	179.0128,238.0266,192.0206
Clothianidin	C6H8ClN5O2S	3.588	[M+H] ⁺	250.0160	131.9669,113.0168,169.0542
Coumaphos	C14H16ClO5PS	15.596	[M+H] ⁺	363.0217	226.9926,306.9591,211.0155
Coumaphos-Oxon	C14H16ClO6P	8.483	[M+H] ⁺	347.0442	211.0157,290.9820,137.0153
Coumoxystrobin	C26H28O6	17.447	[M+H] ⁺	437.1963	145.0648,205.0859,405.1696
Crimidine	C7H10ClN3	4.25	[M+H] ⁺	172.0636	67.0291,80.0495,107.0604
Crotoxyphos	C14H19O6P	9.791	[M+NH ₄] ⁺	332.1258	211.0366,127.0155,167.0468
Crufomate	C12H19ClNO3P	10.942	[M+H] ⁺	292.0640	108.0209,236.0638,238.0211
Cumyluron	C17H19ClN2O	10.941	[M+H] ⁺	303.1259	119.0855,125.0153,185.0476
Cyanazine	C9H13ClN6	5.269	[M+H] ⁺	241.0963	214.0854,68.0243,71.0604
Cyanofenphos	C15H14NO2PS	15.57	[M+H] ⁺	304.0556	156.9872,276.0243,62.9453
Cyantraniliprole	C19H14BrClN6O2	6.934	[M+H] ⁺	473.0123	285.9199,283.9221,443.9680
Cyazofamid	C13H13ClN4O2S	14.249	[M+H] ⁺	325.0521	108.0114,216.0323,190.0292
Cyclosulfamuron	C17H19N5O6S	12.303	[M+H] ⁺	422.1129	261.0288,218.0230,139.0376
Cycluron	C11H22N2O	6.671	[M+H] ⁺	199.1805	69.0699,89.0709,55.0542
Cyenopyrafen	C24H31N3O2	18.599	[M+H] ⁺	394.2489	310.1914,254.1301,57.0699
Cyflufenamid	C20H17F5N2O2	16.55	[M+H] ⁺	413.1283	203.0227,241.0395,295.0864
Cyflumetofen	C24H24F3NO4	17.765	[M+NH ₄] ⁺	465.1996	173.0209,448.1730,174.0242
Cymiazole	C12H14N2S	4.105	[M+H] ⁺	219.0950	77.0386,144.0808,130.0651
Cyprazine	C9H14ClN5	6.486	[M+H] ⁺	228.1007	186.0541,108.0556,68.0243
Cyproconazole	C15H18ClN3O	9.474	[M+H] ⁺	292.1211	70.0400,125.0153,126.0212
Cyprodinil	C14H15N3	12.065	[M+H] ⁺	226.1339	93.0573,77.0386,65.0386
Cyprofuram	C14H14ClNO3	6.975	[M+H] ⁺	280.0735	69.0340,131.0730,184.0519
Cyprosulfamide	C18H18N2O5S	6.088	[M+H] ⁺	375.1020	135.0441,121.0284,254.0845
Cyromazine	C6H10N6	1.196	[M+H] ⁺	167.1040	85.0509,83.0604,125.0822
Cythioate	C8H12NO5PS2	5.625	[M+H] ⁺	297.9967	124.9821,217.0083,75.0232
Daimuron	C17H20N2O	11.247	[M+H] ⁺	269.1656	91.0542,119.0855,151.0866
Demeton	C8H19O3PS2	8.058	[M+H] ⁺	259.0586	61.0106,55.0542,89.0419
Demeton-S-Methyl-Sulfone	C6H15O5PS2	3.112	[M+H] ⁺	263.0171	109.0049,169.0083,124.9821
Demeton-S-Sulfoxide	C8H19O4PS2	3.681	[M+H] ⁺	275.0529	197.0396,109.0049,80.9736
Desmedipham	C16H16N2O4	9.381	[M+H] ⁺	301.1183	136.0393,182.0812,108.0444
Desmetryn	C8H15N5S	5.441	[M+H] ⁺	214.1121	172.0651,82.0400,57.0447
Diallate	C10H17Cl2NOS	16.642	[M+H] ⁺	270.0481	86.0600,108.9606,128.1070
Dichlofenthion	C10H13Cl2O3PS	17.606	[M+H] ⁺	314.9773	286.9460,258.9147,142.9893

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Compound Name	Molecular Formula	Rt/min	Type Of Ion	Precursor M/z	Product Ion M/z
Dichlorvos	C4H7Cl2O4P	5.308	[M+H] ⁺	220.9532	109.0049,94.9893,59.9761
Diclobutrazol	C15H19Cl2N3O	11.273	[M+H] ⁺	328.0978	70.0400,158.9763,59.0491
Diclocymet	C15H18Cl2N2O	13.429	[M+H] ⁺	313.0869	172.9919,174.9890,114.0913
Dicrotophos	C8H16NO5P	3.152	[M+H] ⁺	238.0839	112.0757,72.0444,127.0155
Dicyclanil	C8H10N6	2.041	[M+H] ⁺	191.1040	92.0243,67.0291,109.0509
Diethatyl-Ethyl	C16H22ClNO3	13.851	[M+H] ⁺	312.1360	162.1277,238.0993,266.0942
Diethofencarb	C14H21NO4	9.579	[M+H] ⁺	268.1543	124.0393,152.0706,226.1074
Diethyl Aminoethyl Hexanoate	C12H25NO2	4.211	[M+H] ⁺	216.1962	143.1067,100.1121,71.0855
Difenoconazole	C19H17Cl2N3O3	14.844	[M+H] ⁺	406.0720	251.0025,252.9997,337.0393
Difenoxyuron	C16H18N2O3	7.187	[M+H] ⁺	287.1390	72.0444,123.0441,95.0491
Difenoquat	C17H16N2	4.937	[M+H] ⁺	250.1386	130.0651,77.0386,118.0651
Diflubenzuron	C14H9ClF2N2O2	12.158	[M+H] ⁺	311.0393	141.0146,158.0412,113.0197
Dimefox	C4H12FN2OP	3.205	[M+H] ⁺	155.0744	110.0166,66.9744,80.9900
Dimefuron	C15H19ClN4O3	8.177	[M+H] ⁺	339.1218	72.0444,167.0002,256.0483
Dimepiperate	C15H21NOS	16.191	[M+H] ⁺	264.1417	146.0634,91.0542,119.0855
Dimethachlor	C13H18ClNO2	7.782	[M+H] ⁺	256.1099	148.1121,224.0837,105.0699
Dimethametryn	C11H21N5S	11.233	[M+H] ⁺	256.1590	186.0808,68.0243,71.0604
Dimethenamid	C12H18ClNO2S	9.699	[M+H] ⁺	276.0820	244.0557,111.0263,126.0372
Dimethirimol	C11H19N3O	3.774	[M+H] ⁺	210.1597	71.0604,140.1070,98.0600
Dimethoate	C5H12NO3PS2	3.893	[M+H] ⁺	230.0069	241.8000,794.6000,181.2000
Dimethomorph	C21H22ClNO4	8.536	[M+H] ⁺	388.1310	165.0546,301.0626,138.9945
Dimethylvinphos (E)	C10H10Cl3O4P	11.538	[M+H] ⁺	330.9455	127.0155,109.0049,169.9685
Dimethylvinphos (Z)	C10H10Cl3O4P	10.651	[M+H] ⁺	330.9455	127.0155,206.9344,204.9393
Dimetilan	C10H16N4O3	3.92	[M+H] ⁺	241.1295	72.0444,196.0717,56.0131
Dimoxystrobin	C19H22N2O3	13.176	[M+H] ⁺	327.1703	116.0495,205.0972,58.0287
Dinitramine	C11H13F3N4O4	14.949	[M+H] ⁺	323.0962	305.0856,215.0665,289.0907
Dioxabenzofos	C8H9O3PS	9.527	[M+H] ⁺	217.0083	107.0491,77.0385,186.9977
Diphenamid	C16H17NO	8.007	[M+H] ⁺	240.1383	134.0964,165.0699,152.0621
Dipropetryn	C11H21N5S	11.233	[M+H] ⁺	256.1591	214.1121,172.0651,144.0338
Dipropyl Isocinchomeronate	C13H17NO4	10.361	[M+H] ⁺	252.1240	164.0706,210.0761,192.0655
Disulfoton Sulfone	C8H19O4PS3	8.587	[M+H] ⁺	307.0253	124.9821,153.0134,260.9837
Disulfoton Sulfoxide	C8H19O3PS3	6.498	[M+H] ⁺	291.0304	213.0167,184.9854,96.9508
Ditalimfos	C12H14NO4PS	12.66	[M+H] ⁺	300.0454	272.0141,243.9828,148.0393
Dithiopyr	C15H16F5NO2S2	17.158	[M+H] ⁺	402.0618	248.0351,354.0582,296.0363
Diuiron	C9H10Cl2N2O	6.775	[M+H] ⁺	233.0243	72.0449,132.9606,56.0131
Dodemorph	C18H35NO	8.086	[M+H] ⁺	282.2791	98.0964,116.107,97.1012
Edifenphos	C14H15O2PS2	13.533	[M+H] ⁺	311.0324	109.0107,111.0263,283.0011
Emamectin B1b	C48H73NO13	17.474	[M+H] ⁺	872.5155	158.1176,82.0651,159.1207
Enestroburin	C22H22ClNO4	17.396	[M+H] ⁺	400.1311	145.0648,205.0859,178.0418
EPN	C14H14NO4PS	16.563	[M+H] ⁺	324.0454	296.0141,156.9872,62.9453
Epoxiconazole	C17H13ClFN3O	1.392	[M+H] ⁺	330.0806	121.0448,141.0102,70.0400
Etaconazole	C14H15Cl2N3O2	11.088	[M+H] ⁺	328.0614	256.0034,160.9753,55.0542
Ethaboxam	C14H16N4OS2	6.775	[M+H] ⁺	321.0838	183.0587,68.0495,56.0495
Ethidimuron	C7H12N4O3S2	3.641	[M+H] ⁺	265.0424	57.0447,208.0209,56.0369
Ethiofencarb-Sulfone	C11H15NO4S	3.616	[M+H] ⁺	258.0795	107.0491,77.0386,79.0542
Ethiofencarb-Sulfoxide	C11H15NO3S	3.272	[M+H] ⁺	242.0845	107.0491,77.0386,79.0542
Ethiprole	C13H9Cl2F3N4OS	9.42	[M+H] ⁺	396.9899	254.9693,350.9480,256.9668
Ethirimol	C11H19N3O	3.774	[M+H] ⁺	210.1601	98.0600,70.0651,140.1070
Ethoprophos	C8H19O2PS2	11.02	[M+H] ⁺	243.0637	96.9508,130.9385,172.9854
Ethychlozate	C11H11ClN2O2	7.134	[M+H] ⁺	239.0583	165.0214,138.0105,110.9996
Etrinfos	C10H17N2O4PS	14.566	[M+H] ⁺	293.0719	78.9943,265.0406,56.0495
Famphur	C10H16NO5PS2	9.514	[M+H] ⁺	326.0280	93.0100,217.0073,280.9702
Fenamidone	C17H17N3OS	10.903	[M+H] ⁺	312.1165	92.0495,236.1182,65.0386
Fenaminstrobin	C21H21Cl2N3O3	16.297	[M+H] ⁺	434.1034	170.9763,205.0972,172.9734
Fenamiphos	C13H22NO3PS	10.65	[M+H] ⁺	304.1131	201.9848,217.0083,234.0345
Fenamiphos-Sulfone	C13H22NO5PS	5.781	[M+H] ⁺	336.1029	266.0247,308.0716,108.0573
Fenamiphos-Sulfoxide	C13H22NO4PS	4.792	[M+H] ⁺	320.1080	108.0573,233.0032,171.0474
Fenarimol	C17H12Cl2N2O	10.835	[M+H] ⁺	331.0399	81.0447,268.0524,138.9945
Fenbuconazole	C19H17ClN4	12.568	[M+H] ⁺	337.1215	125.0153,127.0124,126.0186
Fenchlorphos-Oxon	C8H8Cl3O4P	10.48	[M+H] ⁺	304.9298	109.0049,259.8773,257.8802
Fenfuram	C12H11NO2	6.777	[M+H] ⁺	202.0863	109.0284,53.0386,120.0444
Fenhexamid	C14H17Cl2NO2	11.101	[M+H] ⁺	302.0709	55.0542,97.1012,143.0128
Fenobucarb	C12H17NO2	8.891	[M+H] ⁺	208.1332	77.0386,95.0491,57.0699
Fenothiocarb	C13H19NO2S	12.9	[M+H] ⁺	254.1209	72.0444,160.0791,161.0819
Fenoxanil	C15H18Cl2N2O2	14.102	[M+H] ⁺	329.0818	86.0964,302.0709,125.0153
Fenoxaprop-Ethyl	C18H16ClNO5	16.602	[M+H] ⁺	362.0790	91.0542,288.0422,121.0648

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Compound Name	Molecular Formula	Rt/min	Type Of Ion	Precursor M/z	Product Ion M/z
Fenoxasulfone	C14H17Cl2NO4S	13.97	[M+H] ⁺	366.0331	174.9712,203.0025,204.9996
Fenoxycarb	C17H19NO4	13.058	[M+H] ⁺	302.1387	88.0393,116.0706,256.0968
Fenpiclonil	C11H6Cl2N2	8.906	[M+H] ⁺	236.9981	202.0292,140.0495,167.0604
Fensulfothion	C11H17O4PS2	7.648	[M+H] ⁺	309.0379	140.0290,252.9753,157.0318
Fensulfothion-Oxon	C11H17O5PS	4.184	[M+H] ⁺	293.0607	174.0076,94.0413,236.9981
Fensulfothion-Oxon-Sulfone	C11H17O6PS	4.925	[M+H] ⁺	309.0565	252.9930,175.0155,281.0243
Fensulfiothion-Sulfone	C11H17O5PS2	10.253	[M+H] ⁺	325.0328	268.9702,94.0413,190.9926
Fenthion	C10H15O3PS2	14.67	[M+H] ⁺	279.0273	124.9821,247.0011,153.0369
Fenthion-Oxon	C10H15O4PS	7.37	[M+H] ⁺	263.0501	231.0239,91.0542,97.0107
Fenthion-Oxon-Sulfone	C10H15O6PS	4.197	[M+H] ⁺	295.0400	91.0542,217.0624,109.0049
Fenthion-Oxon-Sulfoxide	C10H15O5PS	3.655	[M+H] ⁺	279.0451	264.0216,109.0049,104.0620
Fenthion-Sulfone	C10H15O5PS2	7.82	[M+H] ⁺	311.0171	124.9821,78.9943,139.0212
Fenthion-Sulfoxide	C10H15O4PS2	6.194	[M+H] ⁺	295.0222	109.0049,279.9987,78.9943
Fenuron	C9H12N2O	3.696	[M+H] ⁺	165.1022	72.0444,77.0386,56.0131
Fenvalerate	C25H22ClNO3	19.114	[M+NH ₄] ⁺	437.1626	125.0153,167.0622,208.0757
Ferimzone	C15H18N4	5.787	[M+H] ⁺	255.1612	132.0808,124.0869,117.0573
Flamprop-Isopropyl	C19H19ClFNO3	15.095	[M+H] ⁺	364.1110	105.0335,77.0386,3054.0530
Flamprop-Methyl	C17H15ClFNO3	12.197	[M+H] ⁺	336.0797	105.0335,77.0386,78.0442
Flazasulfuron	C13H12F3N5O5S	7.992	[M+H] ⁺	408.0584	182.0558,83.0240,139.0500
Flonicamid	C9H6F3N3O	3.233	[M+H] ⁺	230.0536	203.0427,98.0401,148.0369
Florpyrauxifen-Benzyl	C20H14Cl2F2N2O3	16.206	[M+H] ⁺	439.0422	91.0542,92.0620,65.0386
Fluacrypyrim	C20H21F3N2O5	16.682	[M+H] ⁺	427.1475	145.0648,205.0859,117.0699
Fluazifop-Butyl	C19H20F3NO4	17.634	[M+H] ⁺	384.1417	91.0542,282.0725,328.0791
Fluazuron	C20H10Cl2F5N3O3	17.383	[M+H] ⁺	506.0092	141.0135,158.0401,348.9742
Flubendiamide	C23H22F7IN2O4S	14.565	[M+Na] ⁺	705.0125	530.9799,570.9748,327.9829
Flucycloxuron	C25H20ClF2N3O3	17.779	[M+H] ⁺	484.1242	132.0444,289.0783,290.0814
Flufenacet	C14H13F4N3O2S	13.072	[M+H] ⁺	364.0737	124.0557,152.0506,194.0976
Flufenoxuron	C21H11ClF6N2O3	7.583	[M+H] ⁺	489.1246	156.0768,273.0340,182.0560
Flufenpyr-Ethyl	C16H13ClF4N2O4	13.891	[M+H] ⁺	409.0573	307.0256,335.0205,337.0179
Flufenzin	C14H7ClF2N4	14.141	[M+H] ⁺	305.0400	138.0105,140.0262
Flumequine	C14H12FNO3	6.498	[M+H] ⁺	262.0874	202.0287,244.0768,174.0338
Flumetsulam	C12H9F2N5O2S	4.211	[M+H] ⁺	326.0518	129.0385,262.0899,128.0306
Flumiclorac	C16H13ClFNO5	7.146	[M+H] ⁺	354.0539	72.0444,165.1022,92.0495
Flumiclorac-Pentyl	C21H23ClFNO5	14.475	[M+NH ₄] ⁺	441.1593	308.0484,354.0539,424.1321
Flumioxazin	C19H15FN2O4	9.337	[M+H] ⁺	355.1088	148.0557,299.0826,81.0699
Flumorph	C21H22FNO4	7.225	[M+H] ⁺	372.1601	165.0549,285.0922,257.0968
Fluometuron	C10H11F3N2O	6.379	[M+H] ⁺	233.0896	72.0444,145.0260,56.0131
Fluopyram	C16H11ClF6N2O	12.211	[M+H] ⁺	397.0537	173.0209,208.0135,145.0260
Fluoroglycofen-Ethyl	C18H13ClF3NO7	17.145	[M+NH ₄] ⁺	465.0671	300.0034,343.9932,345.9908
Fluoxastobin	C21H16ClFN4O5	13.546	[M+H] ⁺	459.0866	188.0380,427.0604,138.0103
Flupyradifurone	C12H11ClF2N2O2	4.37	[M+H] ⁺	289.0550	126.0104,90.0035,98.9994
Fluquinconazole	C16H8Cl2FN5O	11.538	[M+H] ⁺	376.0163	306.9836,108.0244,349.0054
Fluridone	C19H14F3NO	9.341	[M+H] ⁺	330.1100	309.0960,259.0992,294.0725
Flurochloridone	C12H10Cl2F3NO	12.992	[M+H] ⁺	312.0146	53.0386,292.0102,145.0260
Flurprimidol	C15H15F3N2O2	9.699	[M+H] ⁺	313.1158	269.0533,270.0611,185.0709
Flurtamone	C18H14F3NO2	10.0115	[M+H] ⁺	334.1049	247.0729,178.0777,227.0667
Flusilazole	C16H15F2N3Si	12.569	[M+H] ⁺	316.1076	247.0749,165.0697,219.0436
Fluthiacet-Methyl	C15H15ClFN3O3S2	13.837	[M+H] ⁺	404.0300	214.9813,85.0760,56.0506
Flutolanil	C17H16F3NO2	16.747	[M+H] ⁺	324.1206	262.0663,65.0386,242.0600
Flutriafol	C16H13F2N3O	6.539	[M+H] ⁺	302.1099	70.0400,123.0241,109.0448
Fluxapyroxad	C18H12F5N3O	11.458	[M+H] ⁺	382.0973	342.0849,362.0911,234.0525
Fonofos	C10H15OPS2	15.213	[M+H] ⁺	247.0375	80.9558,108.9871,62.9453
Formetanate	C11H15N3O2	2.188	[M+H] ⁺	222.1237	165.1022,93.0335,65.0386
Fosthiazate	C9H18NO3PS2	6.484	[M+H] ⁺	284.0538	104.0165,227.9909,199.9596
Fuberidazole	C11H8N2O	3.206	[M+H] ⁺	185.0709	156.0682,157.0760,65.0386
Furalaxyl	C17H19NO4	9.474	[M+H] ⁺	302.1387	95.0128,242.1176,270.1125
Furametpyr	C17H20ClN3O2	6.789	[M+H] ⁺	334.1317	290.1055,157.0163,316.1211
Furathiocarb	C18H26N2O5S	17.264	[M+H] ⁺	383.1635	195.0474,162.0675,167.0525
Furmecyclox	C14H21NO3	13.164	[M+H] ⁺	252.1594	55.0542,110.0600,170.0812
Griseofulvin	C17H17ClO6	7.2	[M+H] ⁺	353.0786	69.0335,165.0546,215.0106
Halofenozide	C18H19ClN2O2	10.268	[M+H] ⁺	331.1208	105.0335,275.0582,138.9945
Haloxfop-Methyl	C16H13ClF3NO4	16.244	[M+H] ⁺	376.0546	272.0085,316.0347,318.0321
Haloxfop-2-Ethoxyethyl	C19H19ClF3NO5	16.244	[M+H] ⁺	434.0977	91.0542,316.0347,272.0080
Heptenophos	C9H12ClO4P	7.225	[M+H] ⁺	251.0234	109.0049,127.0155,89.0386
Hexaflumuron	C16H8Cl2F6N2O3	16.087	[M+H] ⁺	460.9889	158.0401,142.0173,277.9745
Hexazinone	C12H20N4O2	4.82	[M+H] ⁺	253.1659	71.0604,171.0876,85.0760

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Compound Name	Molecular Formula	Rt/min	Type Of Ion	Precursor M/z	Product Ion M/z
Hydramethylnon	C25H24F6N4	16.694	[M+H] ⁺	495.1978	323.1478,368.0868,151.0352
Imazalil	C14H14Cl2N2O	6.537	[M+H] ⁺	297.0550	69.0447,158.9763,160.9734
Imazamethabenz-Methyl	C16H20N2O3	4.925	[M+H] ⁺	289.1547	86.0964,144.0444,229.1335
Imibenconazole-Des-Benzyl	C10H8Cl2N4S	6.035	[M+H] ⁺	286.9919	148.0215,217.9593,182.9904
Imicyafos	C11H21N4O2PS	4.753	[M+H] ⁺	305.1206	201.0536,235.0413,139.0978
Imidacloprid	C9H10ClN5O2	3.774	[M+H] ⁺	256.0596	209.0589,175.0978,173.0822
Imidacloprid-Urea	C9H10ClN3O	3.39	[M+H] ⁺	212.0585	100.1121,126.0105,128.0262
Imiprothrin	C17H22N2O4	12.503	[M+H] ⁺	319.1657	151.1117,123.1168,210.1488
Indanofan	C20H17ClO3	13.733	[M+H] ⁺	341.0941	175.0754,187.0754,323.0833
Indaziflam	C16H20FN5	9.704	[M+H] ⁺	302.1782	158.0836,145.1012,138.0774
Indoxacarb	C22H17ClF3N3O7	16.628	[M+H] ⁺	528.0780	218.0417,203.0184,150.0100
Iponazole	C18H24ClN3O	14.487	[M+H] ⁺	334.1681	70.0400,125.0153,71.0478
Iprodione	C13H13Cl2N3O3	12.476	[M+H] ⁺	330.0407	224.9876,56.0131,330.0407
Iprovalicarb	C18H28N2O3	10.531	[M+H] ⁺	321.2173	119.0855,91.0542,116.0706
Isazofos	C9H17ClN3O3PS	13.639	[M+H] ⁺	314.0490	119.9957,96.0508,162.0424
Isocarbamid	C8H15N3O2	3.669	[M+H] ⁺	186.1237	87.0553,70.0287,130.0611
Isocarbophos	C11H16NO4PS	8.746	[M+H] ⁺	290.0610	105.0339,275.0582,138.9945
Isofenphos	C15H24NO4PS	16.482	[M+H] ⁺	346.1236	216.9712,121.0287,245.0025
Isofenphos-Methyl	C14H22NO4PS	15.266	[M+H] ⁺	332.1025	230.9875,121.0284,198.9613
Isofenphos-Oxon	C15H24NO5P	9.777	[M+H] ⁺	330.1465	121.0284,200.9947,229.0260
Isofetamid	C20H25NO3S	13.918	[M+H] ⁺	360.1632	125.0056,210.0583,182.0634
Isoprocarb	C11H15NO2	7.306	[M+H] ⁺	194.1176	95.0491,77.0386,137.0961
Isopropalin	C15H23N3O4	18.785	[M+H] ⁺	310.1761	188.1308,226.0822,118.0624
Isothrothiolane	C12H18O4S2	12.291	[M+H] ⁺	291.0719	144.9776,231.0144,188.9675
Isoproturon	C12H18N2O	6.803	[M+H] ⁺	207.1492	72.0444,46.0651,165.1022
Isopyrazam	C20H23F2N3O	15.609	[M+H] ⁺	360.1895	320.1758,250.0975,278.1288
Isouron	C10H17N3O2	5.136	[M+H] ⁺	212.1387	72.0444,167.0815,57.0699
Isoxaben	C18H24N2O4	12.105	[M+H] ⁺	333.1809	165.0546,150.0311,122.0362
Isoxadifen-Ethyl	C18H17NO3	14.473	[M+H] ⁺	296.1281	232.0757,203.0730,204.0808
Isoxaflutole	C15H12F3NO4S	10.942	[M+H] ⁺	360.0512	204.0029,252.0015,250.9984
Ivermectin	C48H74O14	20.158	[M+H] ⁺	875.5174	753.4208,754.4243,755.4272
Kadethrin	C23H24O4S	17.421	[M+H] ⁺	397.1468	128.0621,143.0855,171.0804
Lactofen	C19H15ClF3NO7	17.725	[M+NH ₄] ⁺	479.0821	343.9932,344.9964,462.0562
Linuron	C9H10Cl2N2O2	9.235	[M+H] ⁺	249.0192	132.9606,159.9710,182.0241
Lufenuron	C17H8Cl2F8N2O3	17.328	[M+H] ⁺	510.9857	141.0158,158.0417,327.9420
Malaaxon	C10H19O7PS	5.823	[M+H] ⁺	315.0662	99.0077,127.0390,71.0128
Malathion	C10H19O6PS2	12.594	[M+H] ⁺	331.0433	99.0077,127.0390,124.9821
Mandipropamid	C23H22ClNO4	11.973	[M+H] ⁺	412.1310	125.0153,328.1094,204.1019
Mefenacet	C16H14N2O2S	11.009	[M+H] ⁺	299.0849	120.0808,148.0757,91.0542
Mefenpyr-Diethyl	C16H18Cl2N2O4	15.558	[M+H] ⁺	373.0716	159.9715,327.0298,144.9606
Mefentrifluconazole	C18H15ClF3N3O2	12.873	[M+H] ⁺	398.0882	70.0400,182.0538,181.0459
Mefluidide	C11H13F3N2O3S	5.797	[M+H] ⁺	311.0672	135.0917,121.0760,136.0968
Mepanipyrin	C14H13N3	11.617	[M+H] ⁺	224.1182	77.0386,106.0651,79.0542
Mephosfolan	C8H16NO3PS2	5.003	[M+H] ⁺	270.0382	139.9556,196.0192,167.9879
Meprothion	C17H19NO2	12.252	[M+H] ⁺	270.1489	91.0542,119.0419,228.1019
Mesosulfuron-Methyl	C17H21N5O9S2	6.868	[M+H] ⁺	504.0853	182.0533,162.0523,139.0489
Metalaxyl-M	C15H21NO4	6.843	[M+H] ⁺	280.1543	160.1121,192.1383,220.1332
Metamifop	C23H18ClFN2O4	16.457	[M+H] ⁺	441.1025	288.0422,180.0819,152.0870
Metamitron	C10H10N4O	3.577	[M+H] ⁺	203.0927	104.0495,175.0978,77.0386
Metamitron-Desamino	C10H9N3O	3.298	[M+H] ⁺	188.0818	77.0386,160.0869,104.0495
Metazachlor	C14H16ClN3O	7.729	[M+H] ⁺	278.1055	134.0946,210.0662,105.0699
Methabenzthiazuron	C10H11N3OS	6.089	[M+H] ⁺	222.0696	165.0481,150.0246,124.0215
Methamidophos	C2H8NO2PS	1.631	[M+H] ⁺	142.0086	63.9947,94.0052,124.9821
Methfuroxam	C14H15NO2	9.395	[M+H] ⁺	230.1176	137.0597,67.0542,111.0804
Methidathion	C6H11N2O4PS3	9.195	[M+H] ⁺	302.9691	58.0287,85.0397,145.0066
Methiocarb	C11H15NO2S	8.904	[M+H] ⁺	226.0896	121.0648,169.0682,122.0726
Methiocarb-Sulfone	C11H15NO4S	4.303	[M+H] ⁺	258.0795	107.0399,122.0634,201.0454
Methiocarb-Sulfoxide	C11H15NO3S	3.536	[M+H] ⁺	242.0845	122.0726,185.0631,107.0491
Methoprotetryne	C11H21N5OS	6.816	[M+H] ⁺	272.1540	170.0495,198.0808,240.1277
Methoxyfenozide	C22H28N2O3	12.475	[M+H] ⁺	369.2173	91.0542,149.0597,105.0699
Metobromuron	C9H11BrN2O2	7.147	[M+H] ⁺	259.0077	91.0416,169.9600,148.0631
Metolachlor	C15H22ClNO2	12.396	[M+H] ⁺	284.1412	252.1150,134.0964,176.1434
Metolcarb	C9H11NO2	5.122	[M+H] ⁺	166.0863	94.0413,109.0648,91.0542
Metominostrobin-(E)	C16H16N2O3	7.992	[M+H] ⁺	285.1234	166.0651,194.0600,196.0757
Metominostrobin-(Z)	C16H16N2O3	7.212	[M+H] ⁺	285.1234	77.0386,196.0757,65.0386
Metosulam	C14H13Cl2N5O4S	6.855	[M+H] ⁺	418.0138	174.9945,140.0257,176.9931

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Compound Name	Molecular Formula	Rt/min	Type Of Ion	Precursor M/z	Product Ion M/z
Metoxuron	C10H13ClN2O2	4.699	[M+H] ⁺	229.0738	72.0444,156.0211,106.0287
Metrafenone	C19H21BrO5	16.257	[M+H] ⁺	409.0645	209.0808,226.9702,166.0624
Metribuzin	C8H14N4OS	5.349	[M+H] ⁺	215.0961	49.0106,57.0699,187.1012
Metsulfuron-Methyl	C14H15N5O6S	5.639	[M+H] ⁺	382.0816	167.0564,56.0495,135.0441
Mevinphos	C7H13O6P	4.17	[M+H] ⁺	225.0523	127.0155,109.0049,193.0260
Mexacarbate	C12H18N2O2	4.039	[M+H] ⁺	223.1441	151.0992,136.0757,166.1226
Molinate	C9H17NOS	10.096	[M+H] ⁺	188.1104	55.0542,126.0913,160.1154
Monalide	C13H18ClNO	13.495	[M+H] ⁺	240.1150	85.1012,93.0573,57.0699
Monocrotophos	C7H14NO5P	2.874	[M+H] ⁺	224.0682	50.0287,127.0155,98.0600
Monolinuron	C9H11ClN2O2	6.684	[M+H] ⁺	215.0582	98.9996,126.0105,148.0631
Monuron	C9H11ClN2O	5.071	[M+H] ⁺	199.0633	72.0444,98.9996,126.0105
Moxidectin	C37H53NO8	19.656	[M+H] ⁺	640.3844	123.1168,622.3738,560.3734
Myclobutanil	C15H17ClN4	10.797	[M+H] ⁺	289.1215	70.0400,125.0153,151.0309
Napropamide	C17H21NO2	13.56	[M+H] ⁺	272.1645	171.0804,58.0651,129.1148
Neburon	C12H16Cl2N2O	13.191	[M+H] ⁺	275.0712	57.0699,88.1121,58.0287
Nitralin	C13H19N3O6S	14.313	[M+H] ⁺	346.1067	304.0598,262.0128,246.0159
Norflurazon	C12H9ClF3N3O	7.187	[M+H] ⁺	304.0459	140.0306,87.9949,160.0369
Noruron	C13H22N2O	7.517	[M+H] ⁺	223.1811	72.0444,89.0709,135.1168
Novaluron	C17H9ClF8N2O4	16.655	[M+H] ⁺	493.0196	158.0412,107.0491,310.0059
Noviflumuron	C17H7Cl2F9N2O3	17.528	[M+H] ⁺	528.9761	158.0412,141.0146
Nuarimol	C17H12ClF2N2O	8.377	[M+H] ⁺	315.0695	81.0447,243.0371,252.0819
Ofurace	C14H16ClNO3	6.746	[M+H] ⁺	282.0891	160.1121,254.0942,148.1121
Omethoate	C5H12NO4PS	2.147	[M+H] ⁺	214.0297	182.9875,184.9821,109.0049
Orbencarb	C12H16ClNOS	14.857	[M+H] ⁺	258.0714	125.0153,100.0757,89.0386
Oryastrobin	C18H25N5O5	11.232	[M+H] ⁺	392.1941	116.0495,205.0972,170.0924
Oryzalin	C12H18N4O6S	12.978	[M+H] ⁺	347.1020	198.0134,288.0285,133.0396
Oxabetrinil	C12H12N2O3	9.805	[M+H] ⁺	233.0921	147.0553,129.0447,104.0495
Oxadiargyl	C15H14Cl2N2O3	15.756	[M+H] ⁺	341.0454	223.0031,229.9765,257.9746
Oxadiazon	C15H18Cl2N2O3	17.621	[M+H] ⁺	345.0767	303.0298,184.9874,219.9563
Oxadixyl	C14H18N2O4	5.124	[M+H] ⁺	279.1339	132.0808,133.0886,219.1128
Oxamyl-Oxime	C5H10N2O2S	2.226	[M+H] ⁺	163.0536	72.0444,90.0008,56.0131
Oxasulfuron	C17H18N4O6S	5.401	[M+H] ⁺	407.1020	150.0662,107.0604,124.0869
Oxaziclomefone	C20H19Cl2NO2	17.315	[M+H] ⁺	376.0866	161.0597,190.0863,133.0648
Oxolinic Acid	C13H11NO5	4.911	[M+H] ⁺	262.0710	244.0640,160.0393,216.0291
Oxycarboxin	C12H13NO4S	4.502	[M+H] ⁺	268.0638	175.0060,146.9747,83.0128
Oxyfluorfen	C15H11ClF3NO4	17.489	[M+H] ⁺	362.0401	237.0374,315.9983,297.9877
Paclobutrazol	C15H20ClN3O	8.838	[M+H] ⁺	294.1368	70.0400,125.0153,57.0699
Paraoxon-Ethyl	C10H14NO6P	7.185	[M+H] ⁺	276.0632	220.0002,94.0413,174.0076
Paraoxon-Methyl	C8H10NO6P	5.136	[M+H] ⁺	248.0319	109.0049,202.0389,90.0464
Pencycuron	C19H21ClN2O	15.702	[M+H] ⁺	329.1415	125.0153,218.0726,126.0212
Pendimethalin	C13H19N3O4	17.686	[M+H] ⁺	282.1448	212.0666,92.0495,282.1448
Penflufen	C18H24FN3O	13.085	[M+H] ⁺	318.1989	234.1037,141.0459,115.0666
Pentanochlor	C13H18ClNO	13.495	[M+H] ⁺	240.1500	107.0730,142.0413,71.0855
Penthopyrad	C16H20F3N3OS	14.499	[M+H] ⁺	360.1362	256.0351,276.0413,177.0270
Pethoxamid	C16H22ClNO2	12.437	[M+H] ⁺	296.1412	91.0542,131.0855,250.0993
Phorate	C7H17O2PS3	15.799	[M+H] ⁺	261.0125	142.9384,75.0263,124.9821
Phorate-Oxon	C7H17O3PS2	7.172	[M+H] ⁺	245.0428	75.0263,76.0289,202.9960
Phorate-Oxon-Sulfone	C7H17O5PS2	4.25	[M+H] ⁺	277.0337	110.9664,183.0239,154.9926
Phorate-Oxon-Sulfoxide	C7H17O4PS2	3.562	[M+H] ⁺	261.0385	110.9664,243.0273,153.0134
Phorate-Sulfone	C7H17O4PS3	8.693	[M+H] ⁺	293.0097	124.9821,247.0222,153.0134
Phorate-Sulfoxide	C7H17O3PS3	6.458	[M+H] ⁺	277.0150	96.9508,142.9385,199.0011
Phosfolan	C7H14NO3PS2	4.263	[M+H] ⁺	256.0217	139.9566,167.9879,61.0106
Phosfolan-Methyl	C5H10NO3PS2	3.126	[M+H] ⁺	227.9911	61.0106,167.9879,109.0049
Phosmet-Oxon	C11H12NO5PS	4.832	[M+H] ⁺	302.0252	160.0393,133.0284,77.0386
Phosphamidon	C10H19ClNO5P	4.805	[M+H] ⁺	300.0762	127.0155,174.0678,75.9949
Picaridin	C12H23NO3	6.842	[M+H] ⁺	230.1751	130.1226,67.0542,84.0808
Picolinafen	C19H12F4N2O2	17.079	[M+H] ⁺	377.0908	238.0474,359.0802,145.0260
Pinoxaden	C23H32N2O4	13.427	[M+H] ⁺	401.2435	57.0699,317.1860,289.1547
Piperalin	C16H21Cl2NO2	6.737	[M+H] ⁺	330.1033	140.1434,172.9556,112.1121
Pirimicarb-Desmethyl	C10H16N4O2	3.324	[M+H] ⁺	225.1346	72.0444,168.1131,180.0768
Pirimicarb-Desmethyl-Formamido	C11H16N4O3	5.202	[M+H] ⁺	253.1295	72.0444,56.0131,73.0509
Pirimiphos-Ethyl	C13H24N3O3PS	17.805	[M+H] ⁺	334.1349	198.1059,170.0746,96.9508
Pirimiphos-Methyl	C11H20N3O3PS	15.9	[M+H] ⁺	306.1036	164.1182,67.0291,108.0556
Pirimiphos-Methyl-N-Desethyl	C9H16N3O3PS	7.755	[M+H] ⁺	278.0723	67.0291,108.0556,124.9821
Prallethrin	C19H24O3	16.271	[M+H] ⁺	301.1798	284.1771,285.1805,105.0699
Pretilachlor	C17H26ClNO2	16.191	[M+H] ⁺	312.1725	252.1150,147.1042,176.1434

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Compound Name	Molecular Formula	Rt/min	Type Of Ion	Precursor M/z	Product Ion M/z
Primisulfuron-Methyl	C15H12F4N4O7S	12.027	[M+H] ⁺	469.0436	254.0179,204.0211,135.0439
Prodiamine	C13H17F3N4O4	17.157	[M+H] ⁺	351.1278	267.0336,291.0699,250.0308
Promecarb	C12H17NO2	9.871	[M+H] ⁺	208.1332	91.0542,109.0648,151.1117
Prometon	C10H19N5O	5.666	[M+H] ⁺	226.1662	142.0723,86.0349,184.1193
Propachlor	C11H14ClNO	7.504	[M+H] ⁺	212.0837	94.0651,170.0367,77.0386
Propanil	C9H9Cl2NO	8.124	[M+H] ⁺	218.0134	127.0178,161.9867,92.0495
Propaphos	C13H21O4PS	13.203	[M+H] ⁺	305.0971	221.0032,79.0542,141.0369
Propaquizafop	C22H22ClN3O5	16.92	[M+H] ⁺	444.1321	56.0495,100.0757,70.0651
Propargite	C19H26O4S	18.307	[M+NH ₄] ⁺	368.1886	57.0699,175.1117,231.1743
Propazine	C9H16ClN5	8.02	[M+H] ⁺	230.1167	79.0058,68.0243,104.0010
Propetamphos	C10H20NO4PS	13.017	[M+H] ⁺	282.0923	109.9824,138.0137,156.0243
Propisochlor	C15H22ClNO2	14.341	[M+H] ⁺	284.1412	224.0832,133.0886,73.0653
Propyzamide	C12H11Cl2NO	11.175	[M+H] ⁺	256.0290	189.9821,144.9606,172.9556
Prothiofos	C11H15Cl2O2PS2	19.049	[M+H] ⁺	344.9701	240.9041,160.9554,132.9604
Pyraclofos	C14H18ClN2O3PS	14.711	[M+H] ⁺	361.0537	138.0103,256.9874,140.0260
Pyraclonil	C15H15ClN6	8.362	[M+H] ⁺	315.1123	169.0509,241.1196,276.0885
Pyraclostrobin	C19H18ClN3O4	15.437	[M+H] ⁺	388.1059	194.0812,163.0628,133.0522
Pyraflufen-Ethyl	C15H13Cl2F3N2O4	15.002	[M+H] ⁺	413.0277	253.0163,338.9904,260.9987
Pyrametostrobin	C21H23N3O4	12.595	[M+H] ⁺	382.1769	194.0812,163.0628,164.0706
Pyraoxystrobin	C22H21ClN2O4	14.949	[M+H] ⁺	413.1272	145.0648,205.0859,206.0893
Pyrasulfotole	C14H13F3N2O4S	4.303	[M+H] ⁺	363.0621	250.9984,219.9800,252.0015
Pyrazolynate	C19H16Cl2N2O4S	15.874	[M+H] ⁺	439.0281	91.0542,172.9556,155.0161
Pyrazophos	C14H20N3O5PS	15.16	[M+H] ⁺	374.0934	194.0560,222.0873,176.0455
Pyrazoxyfen	C20H16Cl2N2O3	13.958	[M+H] ⁺	403.0612	105.0335,139.0502,172.9556
Pyribenzoxim	C32H27N5O8	17.779	[M+H] ⁺	610.1923	180.0808,488.1565,489.1595
Pyributicarb	C18H22N2O2S	17.819	[M+H] ⁺	331.1475	181.0430,133.1012,108.0444
Pyridaphenthion	C14H17N2O4PS	11.736	[M+H] ⁺	341.0719	92.0498,189.0659,96.9508
Pyrifenox	C14H12Cl2N2O	9.314	[M+H] ⁺	295.0399	93.0573,94.0604
Pyrifluquinazon	C19H15F7N4O2	9.501	[M+H] ⁺	465.1158	92.0495,423.1050,107.0604
Pyriftalid	C15H14N2O4S	10.665	[M+H] ⁺	319.0747	139.0502,179.0161,83.0240
Pyrimethanil	C12H13N3	7.808	[M+H] ⁺	200.1182	82.0651,80.0495,53.0386
Pyrimidifen	C20H28ClN3O2	16.39	[M+H] ⁺	378.1943	184.1631,150.1026,157.0415
Pyriminobac-Methyl (Z)	C17H19N3O6	9.301	[M+H] ⁺	362.1347	174.0550,330.1085,243.0764
Pyrimitate	C11H20N3O3PS	14.751	[M+H] ⁺	306.1036	154.0975,96.9508,71.0604
Pyrimorph	C22H25ClN2O2	13.599	[M+H] ⁺	385.1677	242.0367,272.1201,244.0341
Pyriproxyfen	C20H19NO3	17.515	[M+H] ⁺	322.1438	96.0444,78.0338,129.0699
Pyrisoxazole	C16H17ClN2O	7.121	[M+H] ⁺	289.1105	120.0444,151.0866,80.0495
Pyroquilon	C11H11NO	5.071	[M+H] ⁺	174.0913	117.0573,132.0808,130.0651
Pyroxsulam	C14H13F3N6O5S	5.942	[M+H] ⁺	435.0693	195.0751,194.0661,166.0723
Quinalphos	C12H15N2O3PS	14.022	[M+H] ⁺	299.0614	271.0301,163.0324,242.9985
Quinoclamine	C10H6ClNO2	5.23	[M+H] ⁺	208.0160	77.0386,89.0386,126.0338
Quizalofop-Ethyl	C19H17ClN2O4	16.616	[M+H] ⁺	373.0950	91.0542,299.0577,255.0315
Rabenzazole	C12H12N4	6.539	[M+H] ⁺	213.1135	118.0526,172.0869,157.0634
Rotenone	C23H22O6	13.269	[M+H] ⁺	395.1489	191.0703,213.0910,192.0781
Saflufenacil	C17H17ClF4N4O5S	10.994	[M+H] ⁺	501.0617	348.9998,459.0148,366.0263
Sebuthylazine	C9H16ClN5	8.02	[M+H] ⁺	230.1167	174.1541,68.0243,104.0010
Sebuthylazine-Desethyl	C7H12ClN5	4.568	[M+H] ⁺	202.0854	146.0228,68.0243,79.0058
Sedaxane	C18H19F2N3O	11.868	[M+H] ⁺	332.1575	159.0364,292.1444,312.1507
Semiamitraz	C10H14N2	3.112	[M+H] ⁺	163.1230	122.0964,77.0386,107.0730
Sethoxydim	C17H29NO3S	17.143	[M+H] ⁺	328.1941	107.0491,178.0863,282.1522
Siduron	C14H20N2O	8.681	[M+H] ⁺	233.1648	137.0709,94.0651,77.0386
Silthiofam	C13H21NOSSi	13.389	[M+H] ⁺	268.1186	73.0468,252.0873,139.0212
Simazine	C7H12ClN5	5.097	[M+H] ⁺	202.0854	132.0323,68.0243,124.0869
Simeconazole	C14H20FN3OSi	7.569	[M+H] ⁺	294.1432	70.0400,135.0605,209.0792
Simeton	C8H15N5O	3.735	[M+H] ⁺	198.1344	68.0243,100.0505,128.0818
Simetryn	C8H15N5S	5.441	[M+H] ⁺	214.1121	68.0243,124.0869,96.0556
Spinetoram	C42H69NO10	16.019	[M+H] ⁺	748.4996	142.1226,143.1258,203.1278
Spinosyn D	C42H67NO10	14.591	[M+H] ⁺	746.4338	143.1305,98.0964,97.0648
Spirodiclofen	C21H24Cl2O4	18.97	[M+H] ⁺	411.1124	71.0855,313.0393,212.9505
Spiromesifen	C23H30O4	18.785	[M+H] ⁺	371.2217	273.1485,67.0542,255.1380
Spirotetramat	C21H27NO5	10.347	[M+H] ⁺	374.1962	302.1751,216.1019,330.2064
Spirotetramat-Keto-Hydroxy	C18H23NO4	5.93	[M+H] ⁺	318.1702	268.1332,300.1594,214.0863
Spirotetramat-Mono-Hydroxy	C18H25NO3	4.74	[M+H] ⁺	304.1915	119.0855,131.0855,254.1539
Sulfallate	C8H14ClNS2	14.472	[M+H] ⁺	224.0329	74.9996,59.9902,88.0215
Sulfentrazone	C11H10Cl2F2N4O3S	6.445	[M+H] ⁺	386.9891	306.9944,308.0038,273.0349
Sulfometuron-Methyl	C15H16N4O5S	6.01	[M+H] ⁺	365.0923	150.0662,151.0688,199.0060

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Compound Name	Molecular Formula	Rt/min	Type Of Ion	Precursor M/z	Product Ion M/z
Sulfotep	C8H20O5P2S2	15.742	[M+H] ⁺	323.0300	96.9508,171.0239,142.9926
Sulfoxaflo	C10H10F3N3OS	4.593	[M+H] ⁺	278.0569	154.0463,174.0525,105.0117
Sulprofos	C12H19O2PS3	17.991	[M+H] ⁺	323.0358	218.9698,139.0212,247.0011
Tebufenozide	C22H28N2O2	13.956	[M+H] ⁺	353.2224	133.0648,105.0699,297.1598
Tebufenpyrad	C18H24ClN3O	16.682	[M+H] ⁺	334.1681	117.0209,145.0522,132.0934
Tebutam	C15H23NO	12.41	[M+H] ⁺	234.1852	91.0542,65.0386,57.0699
Tebuthiuron	C9H16N4OS	4.661	[M+H] ⁺	229.1118	172.0903,62.0059,116.0277
Temephos	C16H20O6P2S3	17.766	[M+H] ⁺	466.9970	124.9821,418.9936,404.9780
Tepaloxymid	C17H24ClNO4	5.494	[M+H] ⁺	342.1467	166.0863,250.1438,251.1470
Terbucarb	C17H27NO2	15.743	[M+H] ⁺	278.2116	109.0648,166.0863,222.1488
Terbufos-Oxon	C9H21O3PS2	10.663	[M+H] ⁺	273.0745	217.0116,57.0699,103.0576
Terbufos-Oxon-Sulfone	C9H21O5PS2	5.255	[M+H] ⁺	305.0641	249.0015,230.9909,109.0049
Terbufos-Oxon-Sulfoxide	C9H21O4PS2	4.25	[M+H] ⁺	289.0700	114.9613,171.0239,142.9926
Terbufos-Sulfone	C9H21O4PS3	11.642	[M+H] ⁺	321.0412	275.0535,124.9821,142.9385
Terbufos-Sulfoxide	C9H21O3PS3	8.415	[M+H] ⁺	305.0465	130.9385,187.0011,158.9698
Terbumeton	C10H19N5O	5.666	[M+H] ⁺	226.1662	170.1036,69.0083,57.0447
Terbuthylazine	C9H16ClN5	8.959	[M+H] ⁺	230.1167	174.0541,68.0243,104.0010
Terbutryn	C10H19N5S	9.514	[M+H] ⁺	186.0808	68.0243,71.0604,91.0324
Tetrachlorvinphos	C10H9Cl4O4P	12.726	[M+H] ⁺	364.9065	127.0155,203.9293,109.0051
Tetramethrin	C19H25NO4	17.236	[M+H] ⁺	332.1856	164.0706,135.1168,286.1801
Thenylchlor	C16H18ClNO2S	13.032	[M+H] ⁺	324.0819	127.0212,128.0242,129.0179
Thiacloprid	C10H9ClN4S	4.62	[M+H] ⁺	253.0309	126.0087,90.0338,98.9996
Thiazafuron	C6H7F3N4OS	5.177	[M+H] ⁺	241.0365	74.0059,184.0151,111.0165
Thiazopyr	C16H17F5N2O2S	15.439	[M+H] ⁺	397.0997	377.0941,355.0472,61.0106
Thiobencarb	C12H16ClNOS	15.174	[M+H] ⁺	258.0714	125.0153,89.0386,100.0757
Thiocyclam	C5H11NS3	1.975	[M+H] ⁺	182.0126	136.9548,73.0886,86.0964
Thiofanox-Sulfoxide	C9H18N2O3S	3.377	[M+H] ⁺	235.1042	104.0165,57.0699,62.9899
Tiadinil	C11H10ClN3OS	10.215	[M+H] ⁺	268.0306	101.0168,251.9993
Tolclofos-Methyl	C9H11Cl2O3PS	15.69	[M+H] ⁺	300.9616	124.9821,110.9994,174.9710
Tralkoxydim	C20H27NO3	17.593	[M+H] ⁺	330.2064	72.0444,138.0550,284.1645
Triadimefon	C14H16ClN3O2	11.311	[M+H] ⁺	294.1004	69.0699,197.0714,225.0659
Triadimenol	C14H18ClN3O2	8.68	[M+H] ⁺	296.1158	99.0804,227.0833,70.0399
Triallate	C10H16Cl3NOS	18.044	[M+H] ⁺	304.0091	142.9217,86.0600,82.945
Triamiphos	C12H19N6OP	5.732	[M+H] ⁺	295.1431	135.0679,92.0260,73.0760
Triapenthenol	C15H25N3O	11.551	[M+H] ⁺	264.2070	70.0400,109.1012,55.0542
Triasulfuron	C14H16ClN5O5S	6.116	[M+H] ⁺	402.0633	141.0771,167.0537,56.0495
Triazophos	C12H16N3O3PS	12.819	[M+H] ⁺	314.0723	119.0604,162.0662,96.9508
Tribufos	C12H27OPS3	18.851	[M+H] ⁺	315.1029	168.9905,57.0699,112.9279
Trichlorfon	C4H8Cl3O4P	3.39	[M+H] ⁺	256.9299	109.0051,220.9532,82.9450
Tricyclazole	C9H7N3S	4.448	[M+H] ⁺	190.0433	136.0215,109.0107,163.0324
Trietazine	C9H16ClN5	11.445	[M+H] ⁺	230.1167	71.0604,68.0243,104.0010
Trifloxystrobin	C20H19F3N2O4	16.695	[M+H] ⁺	409.1370	145.0260,186.0525,116.0495
Trifloxysulfuron	C14H14F3N5O6S	6.881	[M+H] ⁺	438.0690	182.0560,139.0502,83.0251
Triflumuron	C15H10ClF3N2O3	14.512	[M+H] ⁺	359.0405	138.9938,156.0206,110.9996
Triforine	C10H14Cl6N4O2	7.213	[M+H] ⁺	432.9321	387.9106,98.0836,212.9743
Trinexapac-Ethyl	C13H16O5	7.65	[M+H] ⁺	253.1071	69.0335,207.0652,185.0808
Triticonazole	C17H20ClN3O	9.554	[M+H] ⁺	318.1368	70.0400,125.0153,59.0496
Uniconazole	C15H18ClN3O	10.784	[M+H] ⁺	292.1213	70.0400,125.0153,57.0699
Valifenalate	C19H27ClN2O5	10.571	[M+H] ⁺	399.1681	116.0706,144.0655,214.0629
Vamidothion	C8H18NO4PS2	3.483	[M+H] ⁺	288.0488	58.0287,146.0634,118.0321
Vamidothion Sulfone	C8H18NO6PS2	2.94	[M+H] ⁺	320.0386	58.0651,178.0532,109.0049
Vamidothion Sulfoxide	C8H18NO5PS2	2.544	[M+H] ⁺	304.0429	169.0083,109.0049,124.9821
Warfarin	C19H16O4	9.037	[M+H] ⁺	309.1121	163.0390,251.0703,173.0233
Zoxamide	C14H16Cl3NO2	14.949	[M+H] ⁺	336.0319	186.9712,158.9763,203.9973

Table S2 The quantitation limits, recoveries, precision, calibration curve and correlation coefficient of the method.

Compound	Spiked 10µg/kg		Spiked 20µg/kg		Spiked 100µg/kg		Linear Equations	Correlation (<i>R</i> ²)	SDLs µg/kg	LOD µg/kg
	REC%	RSD%	REC%	RSD%	REC%	RSD%				
1,3-Diphenyl urea	71.34	5.44	74.66	4.37	83.84	5.75	$y=3.0\times10^4x+1.6\times10^5$	0.9921	5	20
1-naphthyl acetamide	77.30	8.60	84.23	4.09	81.16	2.72	$y=1.2\times10^4x+3.9\times10^4$	0.9943	10	20
2,6-Dichlorobenzamide	92.35	6.35	92.10	3.31	100.47	8.02	$y=1.4\times10^3x+8.5\times10^3$	0.9884	5	5
2,3,5-Trimethacarb	133.01	2.97	108.66	3.33	115.27	2.30	$y=2.0\times10^3x+3.4\times10^3$	0.9993	10	20
3,4,5-Trimethacarb	80.48	6.85	91.75	4.60	89.56	2.07	$y=2.0\times10^3x+4.5\times10^3$	0.9971	10	20
6-Benzylaminopurine	84.05	1.63	85.63	1.37	86.83	6.16	$y=3.3\times10^4x+1.5\times10^4$	0.9999	10	20
Acephate	62.07	10.73	69.47	7.80	66.99	11.00	$y=2.0\times10^4x+6.3\times10^4$	0.9974	10	10
Acetamiprid	60.64	8.58	63.14	9.47	64.92	9.19	$y=2.1\times10^4x-1.1\times10^4$	0.9978	20	20
Acetamiprid-N-desmethyl	133.93	7.95	120.41	5.79	125.46	10.79	$y=1.6\times10^4x+4.6\times10^3$	0.9934	5	10
Acetochlor	70.80	5.10	67.38	8.97	69.26	7.82	$y=5.3\times10^3x+2.1\times10^4$	0.9966	10	20
Acibenzolar-S-methyl	70.71	9.50	71.26	2.20	72.48	1.44	$y=1.4\times10^3x+4.5\times10^3$	0.9955	1	10
Acclonifen	96.94	8.14	115.67	1.32	99.01	1.06	$y=2.3\times10^4x+2.4\times10^4$	0.9994	10	20
Akton	87.80	7.84	98.58	12.27	90.22	11.48	$y=9.4\times10^2x+1.7\times10^3$	0.9961	5	10
Alachlor	96.52	5.10	97.29	6.06	81.16	3.83	$y=5.3\times10^3x+2.1\times10^4$	0.9966	5	10
Aldicarb	71.98	4.39	70.36	4.82	91.20	2.71	$y=8.3\times10^2x+7.1\times10^2$	0.9997	50	50
Aldicarb-sulfone	130.93	8.77	123.10	2.81	126.74	5.17	$y=6.5\times10^3x+1.2\times10^4$	0.9993	20	20
Aldicarb-sulfoxide	131.87	13.23	126.31	7.29	121.61	3.90	$y=1.7\times10^2x+1.2\times10^3$	0.9821	20	20
Allethrin	124.64	8.30	132.89	2.81	128.29	8.32	$y=1.2\times10^3x-3.0\times10^2$	0.9911	10	20
Ametoctradin	61.37	4.03	61.18	6.50	65.65	10.92	$y=2.5\times10^5x+1.4\times10^5$	0.9999	10	10
Ametryn	73.19	3.06	77.81	8.72	75.70	10.39	$y=1.2\times10^5x+1.1\times10^5$	0.9994	5	10
Amicarbazone	65.34	1.96	67.74	2.68	65.69	9.33	$y=1.6\times10^4x+6.3\times10^3$	0.9998	20	20
Amidithion	75.86	9.87	82.00	4.97	80.16	4.38	$y=2.1\times10^4x-6.8\times10^4$	0.9929	10	20
Aminocarb	73.83	6.80	83.48	8.26	83.03	1.21	$y=2.6\times10^4x+6.1\times10^4$	0.9975	5	10
Anilofos	73.21	6.41	81.47	3.06	82.44	4.55	$y=3.6\times10^4x+7.7\times10^4$	0.9981	5	10
Aramite	93.17	8.50	88.49	7.49	91.97	12.85	$y=4.4\times10^2x+2.8\times10^3$	0.9896	20	20
Athidathion	108.51	7.39	79.31	15.49	91.59	16.06	$y=6.8\times10^2x+7.0\times10^2$	0.9997	10	10
Atraton	73.00	5.01	80.29	7.42	78.92	8.18	$y=1.2\times10^5x+2.0\times10^5$	0.9985	5	10
Atrazine	124.52	3.64	118.91	8.17	95.21	4.51	$y=5.1\times10^4x-1.1\times10^5$	0.9957	20	20
Atrazine-desethyl	71.99	6.47	74.00	6.33	81.30	5.34	$y=7.1\times10^3x+9.6\times10^3$	0.9996	5	10
Atrazine-desisopropyl	70.59	7.34	89.79	4.09	85.79	8.98	$y=8.8\times10^3x+3.9\times10^4$	0.9893	10	20
Avermectin B1a	71.00	5.81	77.35	9.72	89.80	2.81	$y=9.5\times10^3x+1.4\times10^4$	0.9984	10	20
Avermectin B1b	68.81	8.82	67.71	10.85	64.14	6.22	$y=2.4\times10^2x+2.3\times10^2$	0.9946	10	10
Azaconazole	72.16	4.33	78.64	1.86	76.25	4.79	$y=1.1\times10^3x+1.4\times10^3$	0.9988	5	10
azadirachtin	128.76	12.79	91.82	18.19	107.29	9.84	$y=2.4\times10^3x+1.6\times10^4$	0.9905	10	20
Azamethiphos	70.45	5.57	70.85	2.49	85.82	8.16	$y=1.6\times10^4x+3.1\times10^4$	0.9989	5	5
Azinphos-methyl	116.24	9.78	92.86	7.12	104.20	9.19	$y=5.7\times10^3x+7.1\times10^3$	0.9994	50	50
Azoxystrobin	108.29	7.51	107.45	8.81	98.61	3.74	$y=6.9\times10^4x-2.8\times10^5$	0.9899	5	10
Beflubutamid	106.81	5.54	98.65	2.24	86.80	6.07	$y=8.3\times10^3x+3.0\times10^4$	0.9965	5	10
benalaxyl-M	137.23	4.18	137.64	3.53	128.36	2.85	$y=1.2\times10^5x+8.2\times10^4$	0.9999	1	10
Benazolin-ethyl	77.03	5.22	71.31	1.79	80.90	3.95	$y=4.9\times10^2x+1.9\times10^2$	0.9994	1	10
Bendiocarb	74.49	8.00	94.44	3.38	107.40	3.55	$y=8.3\times10^2x+5.3\times10^3$	0.9882	10	20
Benodanil	118.45	3.42	126.59	10.43	120.89	8.62	$y=3.0\times10^4x+2.5\times10^4$	0.9993	5	10
Benoxacor	72.87	8.49	86.13	2.23	82.37	9.42	$y=1.0\times10^3x+2.9\times10^3$	0.9952	10	10
Bensulfuron-methyl	137.05	12.14	124.68	14.06	138.79	13.26	$y=1.5\times10^4x-3.2\times10^4$	0.9932	20	20
Bensulide	88.17	3.69	93.88	3.46	113.88	4.75	$y=5.5\times10^3x+1.7\times10^4$	0.9980	5	10
Benthiavalicarb-isopropyl	89.97	11.25	74.03	6.80	86.55	10.53	$y=4.1\times10^4x-1.4\times10^5$	0.9911	5	10
Benzobicyclon	78.58	3.34	81.44	5.44	84.01	3.74	$y=2.5\times10^4x+2.3\times10^4$	0.9998	5	10
Benzofenap	108.58	8.73	102.95	6.01	115.69	7.07	$y=4.4\times10^4x+2.9\times10^4$	0.9991	10	20
Benzovindiflupyr	74.49	5.82	78.76	1.87	83.68	0.72	$y=3.3\times10^4x+5.3\times10^4$	0.9994	5	10
Benzoximate	66.06	10.99	71.09	12.07	76.05	14.84	$y=1.4\times10^2x+3.3\times10^2$	0.9985	5	10
Benzoylprop-ethyl	72.94	9.86	80.14	6.16	88.82	7.65	$y=7.9\times10^3x+2.2\times10^4$	0.9981	5	5
Bitertanol	90.62	2.52	92.92	5.20	104.56	0.89	$y=2.1\times10^3x+6.8\times10^3$	0.9977	1	5
Bixafen	76.31	4.76	74.93	7.59	98.55	9.44	$y=8.1\times10^3x+2.6\times10^3$	0.9964	1	5
Boscalid	140.05	19.78	126.24	11.53	137.83	14.79	$y=9.9\times10^3x+6.9\times10^4$	0.9829	20	20
Bromacil	110.95	3.46	90.43	2.65	97.75	2.28	$y=4.4\times10^2x+4.4\times10^3$	0.9654	5	5
Bromfeninfos	76.81	4.37	75.07	6.21	87.61	6.46	$y=8.0\times10^3x-1.8\times10^4$	0.9947	5	5
Bromfeninfos-Methyl	86.19	5.25	79.16	7.81	90.09	5.86	$y=1.8\times10^3x+8.8\times10^3$	0.9933	1	5
Bromobutide	74.71	8.95	83.68	7.34	87.19	1.10	$y=3.1\times10^3x+9.4\times10^3$	0.9970	5	10
Bromophos-ethyl	85.35	19.98	71.41	22.66	83.21	20.93	$y=1.6\times10^2x+2.0\times10^2$	0.9994	10	10
Brompyrazon	118.86	6.28	94.83	7.44	107.19	5.65	$y=1.4\times10^4x+4.4\times10^3$	0.9994	5	10
Bromuconazole	96.11	8.77	81.94	8.83	99.31	9.56	$y=4.4\times10^3x+2.1\times10^4$	0.9915	5	10
Bupirimate	57.14	2.70	80.34	6.66	76.37	0.94	$y=1.3\times10^5x+4.2\times10^4$	0.9997	1	10
Buprofezin	73.71	7.68	65.94	7.99	63.63	1.64	$y=5.7\times10^4x+9.5\times10^4$	0.9994	5	10
Butachlor	79.86	9.34	73.68	7.57	88.49	4.62	$y=6.7\times10^3x+4.3\times10^3$	0.9988	10	20

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Compound	Spiked 10 µg/kg		Spiked 20 µg/kg		Spiked 100 µg/kg		Linear Equations	Correlation (R^2)	SDLs µg/kg	LOD µg/kg
	REC%	RSD%	REC%	RSD%	REC%	RSD%				
Butafenacil	84.38	6.88	87.02	3.88	96.08	8.07	$y=1.9 \times 10^4 x + 2.8 \times 10^4$	0.9996	5	5
Butocarboxim	72.07	5.23	75.84	2.87	95.08	6.84	$y=4.8 \times 10^2 x + 1.6 \times 10^3$	0.9977	10	20
Butocarboxim-sulfoxide	97.48	7.20	108.05	2.72	112.30	4.53	$y=6.9 \times 10^2 x + 1.6 \times 10^3$	0.9982	10	20
Butoxycarboxim	60.90	9.14	62.84	4.11	64.07	4.99	$y=6.5 \times 10^3 x + 1.2 \times 10^4$	0.9993	20	20
Cadusafos	67.77	8.71	62.21	10.68	66.42	7.34	$y=1.2 \times 10^4 x - 2.4 \times 10^4$	0.9954	10	20
Cafenstrole	99.31	11.71	102.83	13.53	106.20	18.64	$y=1.0 \times 10^3 x + 2.6 \times 10^3$	0.9986	10	20
Carbaryl	117.82	7.24	109.52	9.87	128.98	13.49	$y=5.1 \times 10^2 x + 7.4 \times 10^2$	0.9993	20	20
Carbendazim	72.43	4.57	78.68	9.00	95.60	7.05	$y=4.9 \times 10^4 x + 1.8 \times 10^5$	0.9974	10	10
Carbetamide	70.94	2.77	76.00	6.25	92.72	6.38	$y=3.4 \times 10^3 x - 1.2 \times 10^3$	0.9974	20	20
Carbofuran	109.32	9.68	94.43	8.32	103.80	11.32	$y=3.3 \times 10^4 x - 1.1 \times 10^5$	0.9920	10	20
Carbofuran-3-Hydroxy	103.52	4.38	94.83	4.41	95.69	7.29	$y=4.4 \times 10^3 x + 3.7 \times 10^3$	0.9999	10	20
Carboxin	95.20	5.23	83.40	8.81	87.87	3.70	$y=2.6 \times 10^4 x + 1.5 \times 10^5$	0.9883	20	20
Carfentrazone-ethyl	70.80	4.75	80.07	6.52	94.75	3.06	$y=8.0 \times 10^3 x + 3.3 \times 10^4$	0.9961	1	5
Carpropamid	73.02	9.95	82.58	5.49	89.17	6.58	$y=5.5 \times 10^3 x + 1.7 \times 10^4$	0.9972	1	5
Chlorantraniliprole	97.38	7.83	91.88	6.75	105.68	7.70	$y=6.8 \times 10^3 x - 2.5 \times 10^4$	0.9917	5	10
Chlorbenzuron	85.25	4.88	78.02	3.67	105.63	4.83	$y=6.3 \times 10^2 x + 4.6 \times 10^3$	0.9889	5	10
Chlorbromuron	71.12	13.90	77.27	10.07	79.71	2.16	$y=3.0 \times 10^3 x - 4.6 \times 10^3$	0.9986	5	10
Chlordimeform	83.00	8.55	92.60	7.02	83.95	1.56	$y=3.5 \times 10^4 x + 1.0 \times 10^5$	0.9965	10	20
Chlorfenvinphos	53.79	3.08	78.48	9.58	76.16	8.98	$y=1.1 \times 10^4 x + 1.0 \times 10^4$	0.9994	10	10
Chloridazon	72.57	9.72	77.01	2.39	87.53	7.68	$y=3.3 \times 10^4 x + 7.8 \times 10^4$	0.9989	5	10
Chlorotoluron	65.93	4.63	67.41	4.02	62.01	9.96	$y=3.8 \times 10^4 x + 3.7 \times 10^4$	0.9998	10	20
Chloroxuron	68.13	4.95	68.20	11.59	64.18	6.46	$y=8.6 \times 10^4 x - 1.6 \times 10^5$	0.9989	5	10
Chlorphonium	82.42	7.71	97.57	6.53	101.70	9.01	$y=4.6 \times 10^2 x + 1.3 \times 10^2$	0.9965	5	10
Chlorpyrifos	88.48	6.07	89.67	6.91	77.71	8.56	$y=1.0 \times 10^3 x + 4.7 \times 10^3$	0.9939	5	10
Chlorsulfuron	64.36	7.08	66.55	8.41	68.67	7.14	$y=2.2 \times 10^2 x + 3.1 \times 10^3$	0.9540	10	10
Chlorthiamid	85.05	9.17	102.83	5.04	124.97	9.45	$y=2.6 \times 10^2 x + 1.6 \times 10^3$	0.9913	10	10
Cinidon-ethyl	79.67	6.23	85.44	5.79	100.63	7.52	$y=3.4 \times 10^2 x + 1.0 \times 10^3$	0.9982	10	20
Cinosulfuron	130.91	3.47	122.88	6.53	127.45	3.09	$y=8.7 \times 10^3 x + 2.3 \times 10^4$	0.9984	5	10
Clethodim-sulfoxide	83.60	2.24	82.22	3.44	91.31	1.32	$y=1.7 \times 10^4 x - 4.4 \times 10^4$	0.9946	10	20
Clodinafop-propargyl	74.36	9.88	85.15	10.56	77.91	3.66	$y=1.4 \times 10^4 x + 4.8 \times 10^4$	0.9957	10	20
Clofentezine	61.05	7.18	69.85	7.82	66.45	3.40	$y=9.4 \times 10^2 x + 3.3 \times 10^3$	0.9965	5	10
Clomazone	72.84	13.11	92.65	6.49	92.00	7.23	$y=1.1 \times 10^4 x + 5.2 \times 10^4$	0.9892	20	20
Clomeprop	70.96	8.00	72.58	7.79	87.40	1.75	$y=3.3 \times 10^3 x + 1.8 \times 10^4$	0.9927	1	5
Cloquintocet-mexyl	65.93	4.29	64.00	1.62	69.62	1.06	$y=7.3 \times 10^4 x + 1.3 \times 10^4$	0.9997	1	10
Clothianidil	82.26	3.13	96.76	2.87	113.03	6.66	$y=1.2 \times 10^3 x + 1.7 \times 10^3$	0.9939	5	10
Coumaphos	85.36	5.88	74.38	8.48	99.37	5.59	$y=5.2 \times 10^3 x - 1.1 \times 10^4$	0.9944	5	5
coumaphos-oxon	86.43	4.10	93.59	3.65	88.60	6.51	$y=1.6 \times 10^4 x + 1.7 \times 10^4$	0.9990	1	5
Coumoxystrobin	74.30	1.24	73.49	1.64	88.58	1.14	$y=2.0 \times 10^4 x - 3.8 \times 10^4$	0.9945	5	10
Crimidine	60.97	2.28	61.96	2.27	65.50	1.96	$y=1.0 \times 10^4 x + 2.2 \times 10^4$	0.9987	5	10
Crotoxyphos	81.52	15.15	74.53	8.69	80.94	14.96	$y=5.0 \times 10^3 x + 1.6 \times 10^4$	0.9978	10	10
Cruformate	79.08	4.11	82.71	3.02	85.86	8.96	$y=5.6 \times 10^4 x + 6.5 \times 10^4$	0.9996	5	5
Cumyluron	79.15	5.61	64.99	4.31	72.72	4.76	$y=2.6 \times 10^4 x - 4.0 \times 10^3$	0.9992	10	20
Cyanazine	72.16	4.23	82.67	4.38	88.53	2.23	$y=1.3 \times 10^4 x + 4.3 \times 10^4$	0.9966	20	20
Cyanofenphos	71.12	7.59	73.92	5.12	87.17	4.29	$y=1.6 \times 10^3 x - 1.9 \times 10^3$	0.9968	5	5
Cyantraniliprole	82.93	8.43	76.62	7.49	91.29	2.83	$y=2.8 \times 10^3 x - 2.7 \times 10^3$	0.9970	1	5
Cyazofamid	86.45	7.61	78.12	8.11	94.39	5.91	$y=2.5 \times 10^3 x + 1.3 \times 10^4$	0.9935	5	5
Cyclosulfamuron	66.07	12.73	59.07	10.38	68.90	10.73	$y=1.8 \times 10^4 x - 4.7 \times 10^4$	0.9937	10	10
Cycluron	71.71	3.32	83.63	2.78	87.83	6.92	$y=6.1 \times 10^4 x + 2.1 \times 10^5$	0.9957	5	10
Cyenopyrafen	70.29	7.02	80.15	5.05	78.91	9.26	$y=2.0 \times 10^5 x + 4.7 \times 10^5$	0.9971	5	10
Cyflufenamid	92.94	4.20	104.97	8.04	93.85	6.05	$y=1.5 \times 10^4 x + 6.9 \times 10^4$	0.9938	5	10
Cyflumetofen	98.77	7.82	91.31	5.54	99.72	8.52	$y=1.8 \times 10^4 x - 7.3 \times 10^4$	0.9902	5	20
Cymiazole	65.65	2.51	73.91	4.10	70.94	2.89	$y=9.7 \times 10^4 x + 4.6 \times 10^4$	0.9997	5	10
Cyprazine	97.07	3.02	93.90	6.53	85.69	3.83	$y=4.4 \times 10^4 x + 2.1 \times 10^5$	0.9907	10	20
Cyproconazole	87.72	5.06	91.94	6.72	104.10	7.24	$y=2.7 \times 10^4 x + 2.2 \times 10^5$	0.9797	1	5
Cyprodinil	77.68	5.81	72.75	4.48	87.88	9.91	$y=1.8 \times 10^5 x - 5.2 \times 10^5$	0.9917	5	10
Cyprofuram	70.14	4.97	82.05	2.60	87.21	2.33	$y=1.0 \times 10^4 x + 3.8 \times 10^4$	0.9955	5	5
Cyprosulfamide	80.33	9.50	92.93	5.66	96.63	4.61	$y=7.6 \times 10^3 x + 2.5 \times 10^4$	0.9962	10	20
Cyromazine	72.45	8.67	99.42	1.20	130.13	0.79	$y=8.8 \times 10^3 x + 4.6 \times 10^4$	0.9803	10	20
Cythioate	60.73	8.68	68.61	4.44	63.43	8.89	$y=1.9 \times 10^2 x + 4.0 \times 10^2$	0.9952	10	10
Daimuron	73.54	3.20	76.08	3.02	78.40	5.74	$y=3.1 \times 10^4 x + 2.8 \times 10^4$	0.9998	20	20
Demeton	72.00	9.13	76.31	8.24	101.49	6.64	$y=2.4 \times 10^2 x + 9.8 \times 10^2$	0.9963	5	10
Demeton-S-methyl-sulfone	73.47	6.77	77.63	2.26	89.18	6.42	$y=2.9 \times 10^4 x - 3.5 \times 10^4$	0.9973	5	5
Demeton-S-Sulfoxide	70.38	7.63	78.28	8.92	81.83	7.69	$y=1.9 \times 10^4 x + 4.7 \times 10^4$	0.9980	20	20
Desmedipham	91.82	9.99	107.47	9.80	90.21	10.60	$y=1.4 \times 10^4 x - 3.4 \times 10^4$	0.9947	5	10
Desmetryn	70.11	3.73	75.39	5.35	73.94	3.06	$y=2.0 \times 10^5 x + 2.4 \times 10^5$	0.9992	1	10

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Compound	Spiked 10 µg/kg		Spiked 20 µg/kg		Spiked 100 µg/kg		Linear Equations	Correlation (R^2)	SDLs µg/kg	LOD µg/kg
	REC%	RSD%	REC%	RSD%	REC%	RSD%				
Diallate	113.47	2.69	106.55	5.01	126.79	2.04	$y=1.0 \times 10^3 x + 4.1 \times 10^3$	0.9965	10	20
Dichlofenthion	64.93	2.06	66.82	3.01	67.59	15.24	$y=2.1 \times 10^2 x + 1.3 \times 10^2$	0.9999	10	10
Dichlorvos	123.70	8.96	129.22	1.67	136.16	13.35	$y=4.0 \times 10^2 x + 9.9 \times 10^2$	0.9985	5	10
Diclobutrazol	106.82	5.42	108.61	8.09	98.78	7.28	$y=1.1 \times 10^3 x + 8.5 \times 10^3$	0.9548	10	20
Diclocymet	83.42	7.04	87.81	6.63	110.61	3.13	$y=1.2 \times 10^3 x + 4.4 \times 10^3$	0.9973	10	20
Dicrotophos	126.16	10.63	119.92	7.06	110.95	3.39	$y=2.0 \times 10^4 x - 9.8 \times 10^3$	0.9989	5	20
Dicyclanil	84.59	7.55	94.68	2.47	118.52	8.12	$y=2.4 \times 10^4 x + 1.1 \times 10^5$	0.9956	5	10
Diethatyl-ethyl	98.34	11.64	73.32	3.81	85.46	0.91	$y=3.3 \times 10^4 x - 1.1 \times 10^5$	0.9918	1	5
Diethofencarb	62.73	6.81	59.05	4.39	67.61	1.04	$y=1.7 \times 10^3 x + 1.5 \times 10^2$	0.9991	10	20
Diethyl Aminoethyl Hexanoate	74.39	6.89	78.83	5.24	77.66	3.54	$y=6.0 \times 10^4 x + 2.3 \times 10^5$	0.9927	5	10
Difenoconazole	103.90	5.34	112.19	7.70	102.15	2.20	$y=4.6 \times 10^4 x + 3.1 \times 10^4$	0.9946	5	10
Difenoxyuron	76.73	3.74	81.09	2.87	82.47	6.44	$y=8.5 \times 10^4 x + 1.0 \times 10^5$	0.9995	5	10
Difenzoquat	125.11	6.98	139.76	2.78	138.16	7.46	$y=2.5 \times 10^5 x - 3.8 \times 10^5$	0.9991	10	10
Diflubenzuron	80.96	3.06	71.38	5.09	97.90	8.51	$y=5.1 \times 10^2 x + 2.5 \times 10^3$	0.9948	10	20
Dimefox	79.78	5.26	85.74	5.81	106.12	4.23	$y=1.4 \times 10^4 x + 4.9 \times 10^4$	0.9974	20	20
Dimefuron	70.31	6.94	71.71	9.72	79.81	7.29	$y=4.4 \times 10^4 x + 5.9 \times 10^4$	0.9996	5	10
Dimepiperate	116.67	3.72	123.77	3.33	125.11	1.30	$y=9.7 \times 10^1 x + 2.3 \times 10^2$	0.9829	50	50
Dimethachlor	73.93	5.61	82.45	1.20	80.27	2.57	$y=2.3 \times 10^4 x + 4.3 \times 10^4$	0.9981	20	20
Dimethametryn	76.88	3.16	79.70	6.45	74.85	7.95	$y=1.6 \times 10^5 x + 2.2 \times 10^4$	0.9997	1	10
Dimethenamid	70.34	6.50	79.95	9.49	76.99	3.17	$y=2.0 \times 10^4 x + 4.2 \times 10^4$	0.9973	1	10
Dimethirimol	83.10	7.10	88.51	9.89	106.30	6.56	$y=1.7 \times 10^5 x + 5.3 \times 10^5$	0.9981	5	10
Dimethoate	87.86	3.87	82.40	3.19	88.46	2.86	$y=1.4 \times 10^3 x - 7.7 \times 10^2$	0.9993	1	5
Dimethomorph	84.58	8.05	85.74	2.06	97.58	4.98	$y=1.1 \times 10^4 x + 1.5 \times 10^4$	0.9995	1	5
Dimethylvinphos (E)	71.19	9.84	75.28	12.72	101.40	11.04	$y=7.0 \times 10^2 x + 3.0 \times 10^3$	0.9960	5	5
Dimethylvinphos (Z)	70.77	5.92	69.06	0.78	65.08	1.92	$y=2.8 \times 10^3 x + 6.2 \times 10^3$	0.9976	5	5
Dimetilan	65.60	4.25	73.63	6.24	69.53	5.64	$y=1.7 \times 10^4 x + 1.1 \times 10^4$	0.9995	20	20
Dimoxystrobin	125.41	6.26	134.75	3.88	122.38	2.56	$y=2.0 \times 10^4 x + 1.6 \times 10^4$	0.9997	5	10
Dinitramine	86.41	11.32	76.73	3.49	83.37	7.76	$y=5.7 \times 10^2 x + 2.1 \times 10^3$	0.9960	10	10
Dioxabenzofos	99.38	4.32	88.22	4.26	91.35	5.50	$y=1.7 \times 10^3 x + 9.2 \times 10^3$	0.9890	1	5
Diphenamid	84.81	2.48	89.11	5.05	86.87	3.36	$y=1.1 \times 10^5 x + 7.7 \times 10^4$	0.9996	5	10
Dipropetryn	76.88	3.16	79.70	9.05	74.85	7.11	$y=1.6 \times 10^5 x + 2.2 \times 10^4$	0.9997	10	10
Dipropyl Isocinchomeronate	80.33	1.65	80.90	7.95	78.39	9.71	$y=4.5 \times 10^4 x - 6.0 \times 10^3$	1.0000	5	10
Disulfoton sulfone	107.57	11.47	73.87	3.88	84.66	9.17	$y=6.3 \times 10^3 x - 1.9 \times 10^4$	0.9928	5	10
Disulfoton sulfoxide	87.05	12.04	73.53	8.57	84.92	4.65	$y=8.7 \times 10^3 x - 2.5 \times 10^4$	0.9929	5	10
Ditalimfos	83.56	8.97	73.24	15.49	79.20	12.09	$y=1.4 \times 10^4 x - 3.6 \times 10^4$	0.9954	5	10
Dithiopyr	96.69	10.26	75.72	13.00	81.94	18.48	$y=4.1 \times 10^3 x + 1.3 \times 10^4$	0.9970	5	10
Diuron	105.49	6.05	81.69	1.64	88.84	9.63	$y=2.4 \times 10^4 x - 5.7 \times 10^4$	0.9924	5	5
Dodemorph	74.35	1.47	73.94	5.42	72.30	3.58	$y=2.1 \times 10^4 x - 6.0 \times 10^3$	1.0000	10	20
Edifenphos	64.17	11.27	68.77	5.99	69.72	10.22	$y=4.3 \times 10^4 x - 1.1 \times 10^4$	0.9986	5	10
emamectin B1b	96.40	12.52	88.61	3.15	93.16	6.15	$y=7.5 \times 10^4 x - 4.2 \times 10^4$	0.9994	5	20
Enestroburin	75.40	1.42	76.59	8.45	74.45	3.24	$y=6.7 \times 10^4 x + 3.1 \times 10^3$	0.9999	5	10
EPN	110.74	7.49	93.01	8.92	86.40	3.67	$y=3.1 \times 10^3 x + 1.8 \times 10^4$	0.9923	5	5
Epoxiconazole	103.94	22.55	117.89	12.50	99.98	22.62	$y=1.9 \times 10^4 x + 1.3 \times 10^5$	0.9891	5	5
Etaconazole	72.37	10.71	77.74	8.61	89.10	6.17	$y=8.4 \times 10^3 x + 2.3 \times 10^4$	0.9985	20	20
Ethaboxam	83.51	4.55	73.36	11.81	85.00	6.97	$y=6.6 \times 10^4 x - 1.4 \times 10^5$	0.9952	5	10
Ethidimuron	95.24	7.13	83.92	1.62	112.19	3.27	$y=7.9 \times 10^3 x + 9.1 \times 10^3$	0.9969	10	20
Ethiofencarb-sulfone	72.26	5.94	75.57	9.14	81.23	2.97	$y=3.4 \times 10^3 x + 5.0 \times 10^3$	0.9995	5	10
Ethiofencarb-sulfoxide	68.51	7.66	76.38	4.19	79.67	6.51	$y=3.5 \times 10^3 x + 8.7 \times 10^3$	0.9979	10	20
Ethiprole	98.92	8.43	114.45	2.27	103.10	8.93	$y=4.8 \times 10^3 x + 1.3 \times 10^4$	0.9965	1	5
Ethirimol	82.76	3.49	88.05	4.02	106.52	4.72	$y=1.7 \times 10^5 x + 5.4 \times 10^5$	0.9981	5	10
Ethoprophos	74.66	6.52	64.94	4.10	72.40	1.71	$y=1.9 \times 10^4 x + 2.0 \times 10^4$	0.9997	5	10
ethychlozate	109.72	10.55	102.97	9.47	95.19	12.09	$y=4.9 \times 10^3 x + 1.8 \times 10^4$	0.9946	5	5
Etrimfos	84.02	7.26	85.14	3.24	91.44	3.94	$y=4.7 \times 10^4 x + 1.1 \times 10^5$	0.9965	5	10
Famphur	70.96	16.30	82.56	17.30	98.21	6.46	$y=3.3 \times 10^3 x + 1.6 \times 10^4$	0.9945	5	5
Fenamidone	106.84	4.76	101.39	7.81	90.04	7.29	$y=3.0 \times 10^4 x + 1.5 \times 10^5$	0.9923	10	20
Fenaminstrobin	124.17	8.37	128.39	7.61	125.66	10.07	$y=5.1 \times 10^4 x + 1.1 \times 10^5$	0.9990	5	10
Fenamiphos	64.39	7.06	66.86	4.37	66.65	9.41	$y=2.9 \times 10^4 x + 7.9 \times 10^4$	0.9899	10	10
Fenamiphos-sulfone	66.96	3.48	65.25	8.82	69.88	5.43	$y=1.6 \times 10^4 x + 1.8 \times 10^3$	0.9998	5	10
Fenamiphos-sulfoxide	95.76	4.87	86.19	2.70	98.58	7.84	$y=3.8 \times 10^4 x - 7.6 \times 10^4$	0.9953	5	10
Fenarimol	62.74	10.65	64.21	1.18	65.88	5.77	$y=1.0 \times 10^4 x + 2.1 \times 10^4$	0.9991	5	10
Fenbuconazole	124.77	9.99	131.22	17.50	127.91	5.45	$y=1.1 \times 10^4 x + 2.4 \times 10^4$	0.9991	1	10
Fenchlorphos-Oxon	74.80	8.44	83.38	5.02	88.54	4.01	$y=2.3 \times 10^3 x + 6.2 \times 10^3$	0.9979	5	5
Fenfuram	102.53	3.33	81.24	8.42	93.68	6.08	$y=2.1 \times 10^4 x + 1.7 \times 10^5$	0.9810	5	10
Fenhexamid	97.50	23.35	84.85	21.42	107.88	11.42	$y=5.2 \times 10^3 x + 4.1 \times 10^4$	0.9863	5	5
Fenobucarb	86.52	9.78	93.72	6.53	90.95	8.10	$y=3.9 \times 10^3 x - 1.2 \times 10^4$	0.9936	10	20

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Compound	Spiked 10 μ g/kg		Spiked 20 μ g/kg		Spiked 100 μ g/kg		Linear Equations	Correlation (R^2)	SDLs μ g/kg	LOD μ g/kg
	REC%	RSD%	REC%	RSD%	REC%	RSD%				
Fenothiocarb	83.45	6.80	79.90	4.19	89.15	9.72	$y=7.9\times 10^3x+4.7\times 10^4$	0.9891	20	20
Fenoxanil	101.91	7.01	84.62	5.43	106.24	3.24	$y=3.8\times 10^3x+7.7\times 10^3$	0.9985	10	20
Fenoxaprop-ethyl	87.87	7.26	76.81	8.40	87.53	11.99	$y=5.8\times 10^4x+1.4\times 10^5$	0.9974	5	10
Fenoxasulfone	117.11	9.64	97.04	9.38	108.91	2.62	$y=3.3\times 10^3x+1.1\times 10^4$	0.9969	5	10
Fenoxycarb	76.21	8.53	82.46	2.81	96.47	9.44	$y=5.0\times 10^3x+3.2\times 10^4$	0.9894	5	5
Fenpiclonil	80.62	9.97	103.83	4.99	110.99	6.19	$y=9.3\times 10^2x+7.7\times 10^3$	0.9838	5	10
Fensulfothion	74.84	5.33	76.16	0.65	82.59	6.58	$y=3.2\times 10^4x+3.4\times 10^4$	0.9998	10	10
Fensulfothion-oxon	97.97	12.24	70.95	4.14	85.08	5.69	$y=4.8\times 10^4x-1.6\times 10^5$	0.9902	5	5
Fensulfothion-Oxon-Sulfone	75.15	5.30	78.94	7.19	83.53	5.20	$y=1.4\times 10^4x+2.0\times 10^4$	0.9995	20	20
Fensulfothion-sulfone	102.31	9.76	76.93	4.00	92.88	2.26	$y=2.0\times 10^3x-1.2\times 10^3$	0.9973	10	20
Fenthion	87.75	7.27	84.33	9.93	99.10	3.96	$y=2.1\times 10^3x+1.5\times 10^2$	0.9983	10	20
Fenthion-oxon	89.90	6.72	73.18	9.36	79.71	3.89	$y=5.8\times 10^4x-2.3\times 10^5$	0.9907	5	10
Fenthion-oxon-sulfone	96.86	1.07	105.27	9.09	98.55	4.01	$y=2.9\times 10^4x-3.5\times 10^4$	0.9937	5	10
Fenthion-oxon-sulfoxide	117.22	5.88	113.78	9.76	91.00	9.25	$y=6.2\times 10^4x-1.5\times 10^5$	0.9926	5	10
Fenthion-sulfone	89.43	9.02	83.10	2.07	78.43	4.98	$y=3.4\times 10^3x-1.0\times 10^4$	0.9968	5	10
Fenthion-sulfoxide	72.23	4.72	74.91	3.79	79.29	7.73	$y=3.8\times 10^4x+4.4\times 10^4$	0.9997	5	10
Fenuron	70.52	8.54	78.25	4.25	83.68	1.77	$y=2.0\times 10^4x+5.4\times 10^4$	0.9980	10	20
Fenvalerate	66.22	2.02	68.24	3.36	64.02	12.59	$y=7.4\times 10^2x+4.5\times 10^2$	0.9998	10	20
Ferimzone	134.82	3.98	126.59	9.08	125.40	2.57	$y=2.4\times 10^4x-2.8\times 10^4$	0.9994	20	20
Flamprop-isopropyl	72.52	4.30	77.83	4.66	78.49	8.89	$y=1.5\times 10^4x+2.1\times 10^4$	0.9992	5	10
Flamprop-methyl	123.32	10.60	111.42	3.79	120.95	3.72	$y=6.7\times 10^3x+9.7\times 10^3$	0.9990	20	20
Flazasulfuron	64.32	2.82	75.45	5.73	72.43	2.80	$y=9.7\times 10^3x+5.4\times 10^4$	0.9867	5	10
Flonicamid	82.78	7.28	79.78	12.54	89.10	12.28	$y=7.7\times 10^2x+4.8\times 10^3$	0.9882	5	5
florpyrauxifen-benzyl	78.58	6.89	74.84	9.45	85.66	1.98	$y=4.0\times 10^4x+1.2\times 10^4$	0.9993	1	5
Fluacrypyrim	61.19	9.04	71.92	5.62	71.85	6.39	$y=1.8\times 10^3x+5.6\times 10^3$	0.9955	5	10
Fluazifop-butyl	74.47	2.80	77.16	8.54	78.73	8.46	$y=9.9\times 10^4x+8.2\times 10^4$	0.9998	10	10
Fluazuron	96.78	4.20	94.72	6.37	108.29	5.71	$y=3.8\times 10^3x+1.5\times 10^4$	0.9967	1	10
Flubendiamide	96.95	5.40	97.17	4.53	101.02	0.50	$y=2.7\times 10^4x-2.9\times 10^4$	0.9941	10	20
Flucycloxuron	81.05	9.36	88.03	5.33	97.63	3.57	$y=3.9\times 10^3x+1.0\times 10^4$	0.9985	10	20
Flufenacet	86.29	4.96	78.26	4.48	89.66	3.22	$y=7.2\times 10^3x+3.5\times 10^4$	0.9941	1	5
Flufenoxuron	103.87	5.66	109.79	8.53	93.11	2.79	$y=1.0\times 10^3x+6.2\times 10^3$	0.9863	5	5
Flufenpyr-ethyl	77.67	5.75	92.43	3.70	106.74	6.34	$y=1.7\times 10^4x+8.4\times 10^4$	0.9935	1	5
Flufenzin	95.59	5.91	94.11	7.59	105.84	9.19	$y=9.0\times 10^2x-5.5\times 10^2$	0.9919	20	20
Flumequine	114.03	6.94	118.84	6.05	103.58	6.68	$y=1.4\times 10^4x+2.7\times 10^4$	0.9990	50	50
Flumetsulam	75.02	10.13	79.78	2.78	91.19	6.50	$y=1.5\times 10^4x+3.8\times 10^4$	0.9988	1	5
Flumiclorac	71.54	6.62	80.70	1.43	80.11	7.39	$y=1.4\times 10^4x+3.2\times 10^4$	0.9976	20	20
Flumiclorac-pentyl	82.05	9.18	81.57	3.89	86.50	5.63	$y=9.9\times 10^3x+3.0\times 10^4$	0.9972	5	5
Flumioxazin	95.61	14.88	91.11	11.05	102.15	9.69	$y=8.1\times 10^2x+4.0\times 10^3$	0.9929	5	20
Flumorph	73.22	1.06	81.04	1.82	91.27	4.13	$y=4.3\times 10^4x+1.3\times 10^5$	0.9977	1	5
Fluometuron	96.09	10.51	92.31	9.90	81.40	5.14	$y=5.2\times 10^4x-1.6\times 10^5$	0.9929	5	10
Fluopyram	83.28	12.37	97.91	14.79	128.53	7.27	$y=6.4\times 10^4x+4.1\times 10^5$	0.9914	20	20
Fluoroglycofen-ethyl	84.51	8.60	82.61	10.66	86.51	6.98	$y=7.9\times 10^2x+2.2\times 10^3$	0.9975	5	10
Fluoxastrobin	97.65	2.11	113.43	5.12	115.57	6.43	$y=6.4\times 10^4x-1.9\times 10^5$	0.9924	5	5
Flupyradifurone	68.19	6.07	69.04	24.71	66.05	8.33	$y=7.7\times 10^3x+8.5\times 10^3$	0.9997	20	20
Fluquinconazole	104.05	1.78	98.19	5.92	105.32	0.07	$y=3.5\times 10^3x+2.2\times 10^4$	0.9904	1	5
Fluridone	68.87	4.86	68.88	7.23	64.84	6.58	$y=4.1\times 10^5x-7.6\times 10^5$	0.9989	5	10
Flurochloridone	101.29	9.92	99.25	6.32	116.29	10.68	$y=1.1\times 10^3x+8.0\times 10^3$	0.9890	5	10
Flurprimidol	109.43	3.58	99.16	6.52	112.63	0.90	$y=2.2\times 10^4x+2.1\times 10^5$	0.9715	10	20
Flurtamone	138.74	3.21	120.39	6.23	133.23	4.68	$y=1.8\times 10^5x-8.2\times 10^5$	0.9896	5	10
Flusilazole	80.52	5.51	77.72	9.75	82.04	2.14	$y=4.9\times 10^4x+2.8\times 10^5$	0.9878	1	10
Fluthiacet-methyl	73.71	4.93	88.34	2.23	99.70	11.17	$y=3.0\times 10^4x+1.5\times 10^5$	0.9933	1	5
Flutolanil	71.20	10.35	82.21	23.50	87.50	8.87	$y=3.1\times 10^4x+1.1\times 10^5$	0.9962	1	5
Flutriafol	92.86	6.91	94.12	5.96	109.89	8.34	$y=1.2\times 10^4x+1.4\times 10^5$	0.9613	5	10
Fluxapyroxad	88.32	4.95	72.41	6.78	84.13	0.22	$y=1.7\times 10^4x+4.4\times 10^4$	0.9987	5	10
Fonofos	57.07	5.32	61.55	6.38	63.32	5.54	$y=6.2\times 10^2x+1.7\times 10^3$	0.9949	5	10
Formetanate	69.44	4.11	76.46	5.61	74.04	3.17	$y=4.1\times 10^4x+5.1\times 10^4$	0.9989	10	20
Fosthiazate	65.00	11.48	69.29	9.58	60.92	14.48	$y=9.9\times 10^3x-2.8\times 10^3$	0.9988	20	20
Fuberidazole	88.93	6.02	77.19	1.16	75.97	3.25	$y=8.9\times 10^4x+1.8\times 10^5$	0.9979	5	10
Furalaxyl	74.69	4.03	80.38	14.49	79.91	7.66	$y=4.0\times 10^4x+5.3\times 10^4$	0.9991	10	10
furametpyr	70.41	2.92	77.22	1.96	90.59	2.36	$y=2.9\times 10^4x+9.8\times 10^4$	0.9976	1	5
Furathiocarb	78.11	0.98	78.91	7.55	79.66	4.94	$y=6.4\times 10^4x+1.7\times 10^4$	1.0000	20	20
Furmecyclox	86.53	9.74	89.30	8.72	79.04	4.51	$y=3.7\times 10^4x+1.3\times 10^5$	0.9946	10	20
Griseofulvin	74.25	6.12	82.09	3.84	90.93	1.52	$y=2.5\times 10^4x+7.2\times 10^4$	0.9979	1	5
Halofenozide	76.47	5.59	85.29	5.05	82.92	3.75	$y=2.6\times 10^4x+4.7\times 10^4$	0.9981	10	20
Haloxypop-methyl	88.20	3.85	84.32	6.08	78.22	6.26	$y=1.6\times 10^4x+2.6\times 10^3$	0.9996	10	20

Continued on next page

Compound	Spiked 10 µg/kg		Spiked 20 µg/kg		Spiked 100 µg/kg		Linear Equations	Correlation (R^2)	SDLs µg/kg	LOD µg/kg
	REC%	RSD%	REC%	RSD%	REC%	RSD%				
Haloxfop-2-ethoxyethyl	72.70	4.16	73.94	5.63	78.27	3.40	$y=2.4 \times 10^4 x - 8.4 \times 10^3$	0.9992	10	20
Heptenophos	92.22	6.19	99.38	9.87	95.08	8.22	$y=5.5 \times 10^3 x + 5.0 \times 10^3$	0.9978	5	5
Hexaflumuron	80.66	8.23	91.93	9.75	103.66	6.53	$y=1.3 \times 10^2 x + 8.1 \times 10^1$	0.9963	5	10
Hexazinone	71.46	6.83	79.28	3.92	81.54	2.94	$y=5.3 \times 10^4 x + 1.2 \times 10^5$	0.9982	10	20
Hydramethylnon	78.45	7.62	76.47	6.96	103.72	5.09	$y=2.6 \times 10^3 x + 6.6 \times 10^3$	0.9970	10	20
Imazalil	109.81	3.97	107.05	3.39	94.84	8.42	$y=7.5 \times 10^4 x - 3.5 \times 10^5$	0.9884	5	10
Imazamethabenz-methyl	73.31	3.63	78.82	11.60	75.68	7.99	$y=1.1 \times 10^5 x + 1.1 \times 10^5$	0.9992	5	10
Imibenconazole-Des-Benzyl	67.29	18.51	60.29	18.92	61.90	24.65	$y=3.0 \times 10^2 x - 5.4 \times 10^2$	0.9993	10	10
Imicyafos	74.97	8.10	76.63	9.73	75.82	5.64	$y=7.5 \times 10^4 x + 2.3 \times 10^4$	0.9999	20	20
Imidacloprid	98.10	15.62	102.31	13.92	108.48	11.84	$y=2.4 \times 10^3 x + 2.4 \times 10^2$	0.9989	5	10
Imidacloprid-urea	106.21	4.52	84.39	7.05	98.12	4.02	$y=2.7 \times 10^4 x - 6.4 \times 10^4$	0.9939	5	10
Imiprothrin	123.90	7.00	135.21	5.83	125.15	7.90	$y=4.5 \times 10^2 x - 1.4 \times 10^3$	0.9931	10	10
Indanofan	111.13	8.16	117.78	3.49	102.17	9.74	$y=9.6 \times 10^2 x + 6.7 \times 10^3$	0.9869	5	5
Indaziflam	85.09	6.66	81.53	15.90	94.20	10.86	$y=1.0 \times 10^5 x - 3.8 \times 10^5$	0.9933	5	20
Indoxacarb	76.83	5.31	77.61	4.65	96.76	9.28	$y=1.3 \times 10^4 x - 6.3 \times 10^3$	0.9998	1	5
Ipconazole	90.80	7.20	97.22	9.27	106.14	4.84	$y=3.1 \times 10^4 x + 1.9 \times 10^5$	0.9883	10	20
Iprodione	87.71	6.82	80.89	4.10	83.47	5.36	$y=1.7 \times 10^2 x - 6.3 \times 10^1$	0.9995	5	10
Iprovalicarb	68.00	7.02	60.55	6.32	69.01	11.50	$y=2.1 \times 10^4 x - 2.0 \times 10^4$	0.9979	20	20
Isazofos	71.84	4.54	67.49	5.22	66.18	2.40	$y=3.4 \times 10^4 x + 9.7 \times 10^4$	0.9982	5	10
Isocarbamid	73.55	1.06	88.47	1.46	111.68	0.68	$y=6.6 \times 10^3 x + 4.3 \times 10^4$	0.9907	10	20
Isocarbophos	107.96	10.99	115.13	17.87	114.59	8.45	$y=4.1 \times 10^4 x - 1.2 \times 10^5$	0.9934	10	20
Isofenphos	62.54	5.72	65.93	7.05	67.10	12.59	$y=4.3 \times 10^4 x + 6.6 \times 10^4$	0.9994	50	50
Isofenphos-Methyl	77.74	11.87	75.20	9.77	85.75	5.99	$y=8.3 \times 10^3 x - 2.3 \times 10^4$	0.9935	5	5
Isofenphos-oxon	63.49	3.35	66.08	5.92	67.87	10.74	$y=1.5 \times 10^4 x + 1.5 \times 10^4$	0.9997	5	10
Isofetamid	84.20	3.04	81.03	8.97	86.07	6.99	$y=1.9 \times 10^4 x - 3.5 \times 10^3$	0.9997	10	20
Isoproc carb	99.99	3.06	101.90	5.73	95.04	2.72	$y=4.3 \times 10^4 x + 1.5 \times 10^5$	0.9956	10	20
Isopropalin	74.41	6.05	72.29	7.87	78.83	8.76	$y=2.2 \times 10^3 x + 6.9 \times 10^3$	0.9974	20	20
Isoprothiolane	89.28	9.08	107.90	2.03	102.44	2.84	$y=9.8 \times 10^3 x + 2.1 \times 10^4$	0.9991	20	20
Isoproturon	97.08	4.91	83.06	2.75	90.47	9.22	$y=5.7 \times 10^4 x + 3.0 \times 10^5$	0.9910	10	10
Isopyrazam	117.19	10.57	111.70	20.12	102.36	13.29	$y=1.2 \times 10^5 x - 3.9 \times 10^5$	0.9916	5	10
Isouron	83.78	12.46	87.44	8.10	90.50	12.91	$y=8.7 \times 10^4 x - 2.3 \times 10^4$	0.9990	10	20
Isoxaben	70.02	6.81	71.71	2.61	79.43	3.59	$y=4.4 \times 10^4 x + 6.1 \times 10^4$	0.9996	20	20
Isoxadifen-ethyl	77.02	8.25	78.46	5.84	89.34	5.00	$y=6.1 \times 10^3 x + 9.4 \times 10^3$	0.9995	10	20
Isoxaflutole	76.35	9.35	85.87	7.40	92.10	11.81	$y=2.7 \times 10^3 x + 7.9 \times 10^3$	0.9974	5	5
Ivermectin	70.11	5.97	85.10	7.93	77.63	3.37	$y=1.5 \times 10^2 x + 6.8 \times 10^2$	0.9865	10	20
Kadethrin	75.13	7.84	77.08	2.56	93.02	6.55	$y=1.2 \times 10^4 x - 1.7 \times 10^4$	0.9959	5	5
Lactofen	103.16	9.41	92.42	8.31	92.00	9.45	$y=1.7 \times 10^3 x - 2.4 \times 10^3$	0.9942	1	5
Linuron	95.42	4.54	106.19	6.76	117.64	8.19	$y=3.9 \times 10^3 x - 7.9 \times 10^3$	0.9956	5	5
Lufenuron	82.16	5.88	99.15	6.58	116.67	5.74	$y=2.0 \times 10^2 x + 6.5 \times 10^2$	0.9974	5	10
Malaoxon	65.68	7.99	65.21	2.73	64.94	3.75	$y=1.7 \times 10^4 x + 1.9 \times 10^4$	0.9995	5	10
Malathion	90.48	15.71	112.94	20.51	113.12	15.89	$y=3.6 \times 10^3 x - 5.4 \times 10^3$	0.9969	5	10
Mandipropamid	77.07	8.03	78.44	9.55	89.03	3.20	$y=2.1 \times 10^4 x + 3.2 \times 10^4$	0.9995	10	10
Mefenacet	75.63	2.74	79.75	9.62	78.69	2.40	$y=3.8 \times 10^4 x + 3.3 \times 10^4$	0.9996	10	20
Mefenpyr-diethyl	80.03	4.03	85.01	10.64	78.83	10.68	$y=1.5 \times 10^4 x + 7.2 \times 10^3$	0.9993	5	10
mefentrifluconazole	52.40	9.11	53.06	7.10	68.21	8.92	$y=7.4 \times 10^4 x - 1.4 \times 10^5$	0.9981	5	10
Mefluidide	90.65	6.46	90.46	6.45	94.16	0.67	$y=4.8 \times 10^4 x - 8.3 \times 10^4$	0.9953	5	20
Mepanipyrim	73.43	0.60	74.15	4.56	74.23	4.64	$y=1.6 \times 10^5 x + 3.0 \times 10^4$	1.0000	10	20
Mephosfolan	128.86	7.03	120.88	15.85	129.25	10.20	$y=5.9 \times 10^4 x - 2.5 \times 10^5$	0.9890	5	10
Mepronil	71.48	7.59	80.88	3.23	82.48	2.44	$y=4.6 \times 10^4 x + 1.2 \times 10^5$	0.9974	10	20
Mesosulfuron-methyl	53.34	2.11	62.70	2.19	65.67	2.55	$y=9.7 \times 10^3 x - 1.3 \times 10^4$	0.9922	5	10
Metalaxyl-M	122.58	3.10	138.59	5.06	126.23	7.81	$y=8.1 \times 10^4 x + 1.2 \times 10^5$	0.9974	5	10
Metamifop	73.54	2.85	76.58	6.90	72.51	1.47	$y=7.9 \times 10^4 x + 2.2 \times 10^4$	0.9997	5	10
Metamitron	76.69	9.13	92.13	4.88	84.74	5.67	$y=2.7 \times 10^4 x + 7.6 \times 10^4$	0.9941	10	10
Metamitron-desamino	63.44	8.82	67.97	3.43	65.47	6.34	$y=3.0 \times 10^4 x + 6.8 \times 10^4$	0.9988	20	20
Metazachlor	76.84	4.64	83.97	6.35	82.48	5.73	$y=8.6 \times 10^3 x + 1.3 \times 10^4$	0.9987	5	10
Methabenzthiazuron	71.28	5.85	78.41	9.20	79.51	6.90	$y=1.5 \times 10^4 x + 2.9 \times 10^4$	0.9985	20	20
Methamidophos	79.83	5.53	77.08	6.93	85.83	9.55	$y=4.9 \times 10^3 x + 1.5 \times 10^3$	0.9996	1	5
Methfuroxam	99.00	9.60	94.18	4.88	106.52	6.39	$y=4.6 \times 10^4 x + 1.7 \times 10^5$	0.9929	5	10
Methidathion	87.63	19.38	93.86	18.82	85.55	7.85	$y=1.8 \times 10^3 x + 1.9 \times 10^3$	0.9994	5	5
Methiocarb	130.36	11.74	139.05	9.06	125.46	3.97	$y=1.0 \times 10^3 x + 3.7 \times 10^3$	0.9964	20	20
Methiocarb-sulfone	112.94	15.39	109.19	6.42	99.60	8.12	$y=3.5 \times 10^3 x + 7.1 \times 10^3$	0.9985	20	20
Methiocarb-sulfoxide	89.30	9.37	73.22	1.06	82.98	4.42	$y=2.4 \times 10^4 x - 8.8 \times 10^4$	0.9911	20	20
Methoprotryne	74.11	4.04	79.48	2.98	79.60	2.96	$y=1.4 \times 10^5 x + 1.9 \times 10^5$	0.9992	5	10
Methoxyfenozide	90.38	8.10	76.72	4.25	87.24	6.29	$y=6.9 \times 10^2 x - 4.4 \times 10^2$	0.9984	20	20
Metobromuron	86.84	8.31	80.45	9.32	96.56	8.70	$y=3.6 \times 10^3 x + 2.1 \times 10^4$	0.9919	5	5

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Compound	Spiked 10 µg/kg		Spiked 20 µg/kg		Spiked 100 µg/kg		Linear Equations	Correlation (R^2)	SDLs µg/kg	LOD µg/kg
	REC%	RSD%	REC%	RSD%	REC%	RSD%				
Metolachlor	64.17	7.74	55.04	4.90	63.64	5.08	$y=3.0 \times 10^4 x + 4.1 \times 10^4$	0.9995	20	20
Metolcarb	87.07	9.64	107.18	4.42	114.15	13.14	$y=4.6 \times 10^2 x - 5.0 \times 10^2$	0.9975	10	20
Metominostrobin-(E)	97.95	18.22	90.19	4.90	93.34	4.76	$y=6.5 \times 10^4 x - 1.8 \times 10^5$	0.9888	5	10
Metominostrobin-(Z)	56.79	7.97	69.64	3.75	67.76	4.30	$y=2.4 \times 10^4 x - 2.3 \times 10^4$	0.9988	5	10
Metosulam	81.47	14.37	93.78	7.85	108.63	8.32	$y=1.6 \times 10^4 x + 6.8 \times 10^4$	0.9955	5	5
Metoxuron	87.12	10.56	85.95	9.69	108.00	3.53	$y=4.3 \times 10^4 x - 1.2 \times 10^5$	0.9946	5	10
Metrafenone	86.15	8.37	71.52	3.12	81.61	3.88	$y=1.1 \times 10^4 x + 9.1 \times 10^3$	0.9995	5	10
Metribuzin	76.54	9.91	80.66	11.91	77.58	9.68	$y=3.8 \times 10^4 x + 1.3 \times 10^5$	0.9935	20	20
Metsulfuron-methyl	49.96	22.80	55.81	13.60	58.93	11.50	$y=8.8 \times 10^2 x + 3.4 \times 10^3$	0.9948	5	10
Mevinphos	70.43	12.90	68.47	11.51	77.44	14.60	$y=1.0 \times 10^3 x + 3.4 \times 10^3$	0.9979	20	20
Mexacarbate	76.88	1.73	78.05	4.97	75.40	8.67	$y=2.8 \times 10^4 x - 4.0 \times 10^2$	0.9999	10	20
Molinate	106.77	9.05	91.11	1.20	109.00	5.25	$y=1.7 \times 10^3 x - 8.3 \times 10^3$	0.9886	50	50
Monalide	71.67	4.10	77.67	4.95	75.84	4.38	$y=5.9 \times 10^4 x + 7.7 \times 10^4$	0.9990	10	10
Monocrotophos	70.21	6.33	89.92	8.35	75.56	3.15	$y=4.1 \times 10^3 x + 1.5 \times 10^4$	0.9958	5	10
Monolinuron	83.28	18.60	81.43	19.46	99.38	15.51	$y=4.4 \times 10^3 x + 3.0 \times 10^4$	0.9866	5	5
Monuron	71.21	9.07	83.88	4.99	83.51	3.91	$y=2.6 \times 10^4 x + 8.3 \times 10^4$	0.9954	20	20
Moxidectin	120.57	7.12	123.90	8.87	121.27	7.04	$y=8.6 \times 10^2 x - 2.9 \times 10^3$	0.9905	10	20
Myclobutanil	75.91	8.02	81.48	7.54	89.03	4.08	$y=8.4 \times 10^3 x + 1.8 \times 10^4$	0.9989	10	20
Napropamide	68.72	5.54	68.21	7.11	66.24	6.46	$y=7.6 \times 10^4 x - 1.4 \times 10^5$	0.9990	10	20
Neburon	71.61	11.65	82.84	9.22	90.52	6.35	$y=2.8 \times 10^4 x + 1.1 \times 10^5$	0.9959	5	5
Nitralin	89.18	2.18	77.47	5.01	86.55	2.53	$y=4.4 \times 10^2 x + 1.5 \times 10^3$	0.9973	50	50
Norflurazon	71.48	10.52	85.80	9.27	86.77	6.13	$y=7.9 \times 10^4 x + 3.0 \times 10^5$	0.9941	5	10
Noruron	76.19	3.79	81.36	5.68	81.49	1.59	$y=1.1 \times 10^5 x + 1.3 \times 10^5$	0.9993	5	10
Novaluron	122.20	3.38	128.30	3.83	133.40	3.51	$y=2.3 \times 10^2 x + 9.3 \times 10^2$	0.9927	5	10
Noviflumuron	73.48	9.31	101.44	8.27	73.91	10.80	$y=9.6 \times 10^1 x + 3.5 \times 10^2$	0.9783	10	10
Nuarimol	132.72	1.57	146.70	0.56	136.05	2.29	$y=8.7 \times 10^3 x + 4.9 \times 10^4$	0.9898	20	20
Ofurace	96.48	6.06	94.96	8.24	111.57	5.56	$y=2.0 \times 10^4 x + 1.2 \times 10^5$	0.9881	10	20
Omethoate	68.82	6.97	67.88	3.40	76.91	7.06	$y=1.1 \times 10^4 x + 2.0 \times 10^4$	0.9989	10	10
Orbencarb	80.80	11.52	70.07	9.48	76.67	4.80	$y=6.9 \times 10^3 x + 2.6 \times 10^4$	0.9961	5	10
Orysastrobin	69.75	4.61	70.64	7.45	75.91	3.95	$y=6.4 \times 10^4 x + 5.6 \times 10^4$	0.9998	10	20
Oryzalin	99.67	5.56	91.66	3.39	102.10	2.47	$y=2.3 \times 10^2 x + 3.1 \times 10^1$	0.9994	50	50
Oxabetrinil	82.47	7.50	79.93	6.70	71.32	1.44	$y=1.4 \times 10^2 x - 1.9 \times 10^2$	0.9996	50	50
Oxadiargyl	81.76	6.23	75.30	1.88	85.82	1.20	$y=5.3 \times 10^2 x + 2.9 \times 10^3$	0.9918	1	5
oxadiazon	96.18	9.04	90.65	5.02	119.64	2.65	$y=1.0 \times 10^3 x + 9.2 \times 10^2$	0.9970	5	10
Oxadixyl	71.07	6.57	78.18	9.28	80.83	8.99	$y=9.9 \times 10^3 x + 2.1 \times 10^4$	0.9985	20	20
Oxamyl-oxime	78.57	9.69	87.96	4.83	116.02	3.39	$y=1.4 \times 10^3 x + 1.4 \times 10^3$	0.9976	20	20
Oxasulfuron	63.05	9.75	66.25	3.46	60.49	7.20	$y=2.6 \times 10^4 x + 8.5 \times 10^4$	0.9961	10	10
Oxaziclomefone	87.37	6.00	70.48	8.92	75.82	4.89	$y=3.3 \times 10^4 x + 5.0 \times 10^4$	0.9995	5	10
Oxolinic Acid	77.49	1.69	76.53	1.92	95.40	2.30	$y=1.5 \times 10^4 x + 5.4 \times 10^4$	0.9962	10	20
Oxycarboxin	66.46	8.53	75.75	6.68	78.42	9.33	$y=6.4 \times 10^3 x + 1.8 \times 10^4$	0.9970	5	10
Oxyfluorfen	70.25	14.67	94.03	8.41	87.76	8.44	$y=9.4 \times 10^1 x + 5.0 \times 10^2$	0.9836	5	5
Paclobutrazol	64.76	4.96	61.41	7.96	69.30	8.09	$y=3.7 \times 10^4 x + 5.9 \times 10^4$	0.9985	10	20
Paraoxon-ethyl	93.19	6.11	98.77	7.36	100.88	1.57	$y=2.4 \times 10^3 x + 8.0 \times 10^2$	0.9978	1	5
Paraoxon-methyl	104.05	9.40	96.21	5.29	93.89	6.31	$y=2.7 \times 10^3 x + 1.6 \times 10^4$	0.9929	5	5
Pencycuron	86.12	6.73	70.62	6.55	75.64	2.77	$y=6.4 \times 10^4 x + 1.2 \times 10^5$	0.9991	5	10
Pendimethalin	96.97	5.70	91.42	5.77	103.55	7.27	$y=2.7 \times 10^3 x + 1.3 \times 10^4$	0.9943	10	20
Penflufen	74.99	7.70	82.36	7.03	87.49	6.21	$y=7.1 \times 10^4 x + 1.7 \times 10^5$	0.9984	5	10
Pentanochlor	71.91	4.18	78.14	9.66	75.82	2.29	$y=5.9 \times 10^4 x + 7.7 \times 10^4$	0.9989	1	10
Penthiopyrad	86.34	10.75	71.41	5.86	81.77	2.45	$y=3.6 \times 10^4 x + 9.7 \times 10^4$	0.9984	5	10
Pethoxamid	75.49	3.65	79.21	4.24	81.14	9.64	$y=3.7 \times 10^4 x + 4.1 \times 10^4$	0.9996	5	10
Phorate	55.98	7.21	58.82	4.52	60.97	9.59	$y=1.2 \times 10^3 x + 3.6 \times 10^3$	0.9979	20	20
Phorate-oxon	76.55	8.60	74.30	8.11	100.38	5.55	$y=4.1 \times 10^2 x + 1.3 \times 10^3$	0.9969	20	20
Phorate-oxon-sulfone	63.54	6.38	77.01	4.26	85.49	2.73	$y=1.2 \times 10^4 x + 5.2 \times 10^4$	0.9951	1	5
Phorate-oxon-sulfoxide	78.01	4.91	77.91	7.31	73.90	3.81	$y=8.9 \times 10^3 x + 6.4 \times 10^3$	0.9998	5	10
Phorate-Sulfone	79.60	5.06	71.48	1.85	80.83	2.65	$y=1.2 \times 10^3 x - 3.3 \times 10^3$	0.9940	1	10
Phorate-sulfoxide	74.76	6.83	72.97	9.55	89.79	6.01	$y=2.7 \times 10^3 x + 1.2 \times 10^4$	0.9956	5	5
Phosfolan	126.43	8.00	101.52	11.23	117.91	9.01	$y=2.8 \times 10^4 x + 6.3 \times 10^4$	0.9988	5	10
Phosfolan-Methyl	83.19	7.06	77.61	13.36	89.32	10.93	$y=1.7 \times 10^4 x + 9.9 \times 10^4$	0.9910	1	5
Phosmet-oxon	84.74	13.25	82.13	5.57	94.08	4.39	$y=5.4 \times 10^3 x + 2.0 \times 10^4$	0.9970	5	10
Phosphamidon	99.52	5.59	92.72	8.77	97.65	3.37	$y=3.2 \times 10^4 x + 4.5 \times 10^4$	0.9995	1	10
Picaridin	74.61	4.06	72.69	2.80	85.32	3.05	$y=8.2 \times 10^3 x + 3.3 \times 10^4$	0.9965	20	20
Picolinafen	74.04	6.77	82.85	6.33	81.29	8.04	$y=1.4 \times 10^4 x + 3.2 \times 10^4$	0.9972	5	10
Pinoxaden	63.28	4.97	64.44	6.81	69.43	3.25	$y=9.1 \times 10^4 x + 9.1 \times 10^4$	0.9998	10	20
Piperalin	76.14	2.43	79.83	5.43	78.79	10.69	$y=8.7 \times 10^4 x + 6.6 \times 10^4$	0.9997	5	10
Pirimicarb-desmethyl	77.63	8.25	70.69	7.91	79.18	7.15	$y=3.4 \times 10^4 x + 6.4 \times 10^4$	0.9993	10	20

Continued on next page

Compound	Spiked 10 µg/kg		Spiked 20 µg/kg		Spiked 100 µg/kg		Linear Equations	Correlation (R^2)	SDLs µg/kg	LOD µg/kg
	REC%	RSD%	REC%	RSD%	REC%	RSD%				
Pirimicarb-desmethyl-formamido	88.49	11.54	74.47	14.29	85.82	10.66	$y=2.5 \times 10^4 x + 7.6 \times 10^4$	0.9981	5	10
Pirimiphos-ethyl	61.87	2.55	63.48	4.91	65.12	9.20	$y=1.5 \times 10^5 x + 1.0 \times 10^5$	0.9999	5	10
Pirimiphos-methyl	63.27	2.58	64.72	7.11	66.61	18.38	$y=1.0 \times 10^5 x + 6.8 \times 10^4$	0.9999	5	10
Pirimiphos-methyl-N-desethyl	77.16	4.31	82.65	8.01	76.45	5.26	$y=9.7 \times 10^4 x + 5.9 \times 10^4$	0.9992	5	10
Prallethrin	94.96	8.20	98.03	4.45	99.41	8.04	$y=3.6 \times 10^2 x + 2.1 \times 10^3$	0.9804	5	20
Pretilachlor	62.65	5.04	65.09	5.34	66.73	6.69	$y=3.1 \times 10^4 x + 7.2 \times 10^4$	0.9989	5	10
Primisulfuron-methyl	68.78	13.40	64.62	18.68	78.94	9.88	$y=2.0 \times 10^3 x + 6.5 \times 10^3$	0.9977	20	20
Prodiamine	81.62	7.57	95.36	8.28	116.12	2.78	$y=1.5 \times 10^3 x + 5.2 \times 10^3$	0.9973	50	50
Promecarb	77.13	6.48	78.07	5.93	93.21	7.65	$y=2.7 \times 10^3 x + 1.3 \times 10^4$	0.9944	10	20
Prometon	95.17	4.95	91.70	9.70	90.17	8.46	$y=2.3 \times 10^5 x + 3.7 \times 10^5$	0.9985	5	10
Propachlor	81.71	1.42	85.66	4.69	85.87	2.10	$y=1.9 \times 10^4 x + 7.7 \times 10^4$	0.9925	10	20
Propanil	92.54	4.71	102.45	2.22	93.99	2.57	$y=1.3 \times 10^3 x + 5.9 \times 10^3$	0.9952	5	10
Propaphos	69.71	10.04	77.18	13.73	85.25	9.67	$y=1.6 \times 10^4 x + 4.7 \times 10^4$	0.9979	5	5
Propaquizafop	70.05	1.77	70.94	7.30	68.50	9.32	$y=2.5 \times 10^4 x - 1.5 \times 10^3$	1.0000	10	10
Propargite	94.69	6.76	93.67	3.80	83.60	4.06	$y=4.5 \times 10^3 x - 4.9 \times 10^3$	0.9997	10	20
Propazine	106.75	13.21	136.77	8.19	134.14	15.64	$y=4.4 \times 10^4 x + 2.1 \times 10^5$	0.9885	5	10
Propetamphos	66.01	9.32	61.35	6.47	87.28	3.74	$y=2.4 \times 10^2 x - 2.7 \times 10^2$	0.9993	1	5
Propisochlor	88.60	8.99	75.59	9.04	82.16	6.94	$y=3.2 \times 10^3 x + 8.5 \times 10^3$	0.9981	20	20
Propyzamide	102.88	8.83	106.02	7.17	91.79	4.08	$y=1.8 \times 10^3 x + 1.1 \times 10^4$	0.9914	1	5
Prothiofos	62.70	8.46	70.85	6.83	74.06	4.83	$y=6.3 \times 10^2 x + 1.7 \times 10^3$	0.9974	5	10
Pyraclofos	76.50	3.75	82.31	9.16	80.66	5.11	$y=3.2 \times 10^4 x + 3.8 \times 10^4$	0.9992	5	10
Pyralconil	71.11	7.01	71.62	5.06	80.39	7.69	$y=2.9 \times 10^4 x + 3.4 \times 10^4$	0.9996	5	10
Pyralostrobin	108.58	7.92	100.59	4.66	99.43	8.33	$y=5.0 \times 10^4 x - 2.0 \times 10^5$	0.9897	5	10
Pyraflufen-ethyl	88.79	9.53	95.15	7.55	93.19	9.29	$y=1.4 \times 10^4 x + 3.7 \times 10^4$	0.9983	5	10
Pyrametostrobin	73.05	2.93	77.07	3.33	73.59	6.68	$y=3.8 \times 10^4 x + 2.3 \times 10^4$	0.9995	10	20
Pyraoxystrobin	80.31	2.72	71.21	3.71	71.92	2.19	$y=3.3 \times 10^4 x + 2.8 \times 10^4$	0.9997	5	10
Pyrasulfotole	134.00	5.68	127.97	2.75	119.62	5.54	$y=2.4 \times 10^2 x - 3.1 \times 10^2$	0.9996	10	20
Pyrazolynate	90.30	6.80	84.00	8.07	94.77	7.96	$y=2.3 \times 10^4 x - 2.7 \times 10^4$	0.9975	1	10
Pyrazophos	84.53	8.16	92.04	3.73	103.36	7.25	$y=2.4 \times 10^4 x + 6.6 \times 10^4$	0.9983	5	5
Pyrazoxyfen	77.59	8.76	88.94	5.49	91.89	4.91	$y=3.0 \times 10^4 x + 8.8 \times 10^4$	0.9968	5	5
Pyribenzoxim	70.73	5.38	78.11	0.67	77.34	1.74	$y=2.4 \times 10^4 x + 4.2 \times 10^4$	0.9984	1	10
Pyributicarb	72.71	3.99	77.77	9.42	78.15	7.02	$y=6.7 \times 10^4 x + 8.7 \times 10^4$	0.9993	10	10
Pyridaphenthion	70.10	8.70	73.12	8.35	82.65	10.43	$y=3.1 \times 10^4 x + 6.0 \times 10^4$	0.9992	5	10
Pyrifenox	64.43	8.29	70.03	9.89	76.05	5.86	$y=3.7 \times 10^4 x - 1.3 \times 10^5$	0.9927	5	10
Pyrifluquinazon	64.95	11.10	71.06	9.93	80.85	7.15	$y=4.9 \times 10^4 x + 1.5 \times 10^5$	0.9980	5	10
Pyriftalid	81.86	3.58	83.09	3.92	77.58	2.56	$y=1.3 \times 10^5 x - 3.6 \times 10^4$	0.9999	5	10
Pyrimethanil	73.04	4.76	79.95	2.94	74.67	3.75	$y=6.4 \times 10^4 x + 7.0 \times 10^4$	0.9986	10	20
Pyrimidifen	61.97	3.25	61.81	4.71	65.44	15.64	$y=1.1 \times 10^5 x + 4.9 \times 10^4$	0.9999	5	10
Pyriminobac-Methyl (Z)	67.54	6.65	72.70	1.95	77.17	8.06	$y=7.9 \times 10^4 x - 3.0 \times 10^5$	0.9922	10	20
Pyrimitate	73.01	1.78	75.62	0.86	73.98	2.40	$y=9.4 \times 10^4 x + 4.3 \times 10^4$	0.9998	5	10
Pyrimorph	108.76	11.31	95.67	17.95	96.02	15.74	$y=5.0 \times 10^4 x - 1.5 \times 10^5$	0.9932	10	20
Pyriproxyfen	66.56	4.17	71.65	7.13	71.57	1.97	$y=7.9 \times 10^4 x + 1.1 \times 10^5$	0.9991	10	20
Pyrisoxazole	73.08	0.89	73.86	2.97	72.57	2.72	$y=2.2 \times 10^4 x + 1.0 \times 10^3$	1.0000	20	20
Pyroquilon	97.59	13.23	94.69	7.41	96.84	7.66	$y=5.9 \times 10^4 x + 2.9 \times 10^5$	0.9905	10	20
Pyroxsulam	89.14	8.18	88.95	9.46	100.01	3.66	$y=6.9 \times 10^4 x - 3.5 \times 10^4$	0.9988	10	10
Quinalphos	95.91	4.60	88.17	1.04	98.53	4.64	$y=2.7 \times 10^4 x - 4.9 \times 10^4$	0.9964	5	20
Quinoclamine	107.67	6.23	102.48	4.13	114.02	4.82	$y=4.1 \times 10^3 x + 2.2 \times 10^4$	0.9918	5	5
Quizalofop-ethyl	85.89	12.37	78.01	12.19	94.44	10.65	$y=3.4 \times 10^4 x + 1.4 \times 10^5$	0.9946	10	20
Rabenzazole	74.37	12.33	80.80	16.07	63.08	8.14	$y=8.4 \times 10^4 x - 3.6 \times 10^4$	0.9978	5	10
Rotenone	85.03	9.42	76.57	9.49	86.99	9.58	$y=2.5 \times 10^4 x - 4.8 \times 10^4$	0.9961	10	20
Saflufenacil	107.62	7.30	96.33	3.49	94.57	6.67	$y=2.0 \times 10^3 x - 3.9 \times 10^3$	0.9938	1	5
Sebuthylazine	106.75	6.21	136.77	6.21	134.14	5.44	$y=4.4 \times 10^4 x + 2.1 \times 10^5$	0.9885	5	10
Sebuthylazine-desethyl	83.73	7.78	83.65	6.10	101.06	6.59	$y=1.3 \times 10^4 x + 8.4 \times 10^4$	0.9849	20	20
Sedaxane	68.83	5.87	75.97	2.66	76.64	2.33	$y=5.3 \times 10^4 x + 1.0 \times 10^5$	0.9984	10	20
Semiamitraz	69.00	7.98	72.52	2.13	80.53	9.23	$y=1.2 \times 10^5 x - 4.4 \times 10^5$	0.9909	5	10
Sethoxydim	61.21	7.25	62.69	6.22	69.97	1.42	$y=2.4 \times 10^4 x + 3.5 \times 10^4$	0.9996	20	20
Siduron	82.59	3.26	78.56	2.56	83.59	6.08	$y=5.1 \times 10^4 x - 1.9 \times 10^4$	0.9996	10	20
Silthiofam	73.41	3.07	78.07	3.24	75.98	1.33	$y=2.3 \times 10^4 x + 2.1 \times 10^4$	0.9994	5	10
Simazine	67.63	12.43	84.78	8.45	84.46	4.22	$y=3.7 \times 10^4 x + 1.7 \times 10^5$	0.9906	10	10
Simeconazole	68.04	9.52	64.66	7.06	91.44	8.72	$y=8.5 \times 10^2 x - 7.0 \times 10^2$	0.9996	20	20
Simeton	75.50	0.21	75.38	4.88	75.18	5.44	$y=1.0 \times 10^5 x - 5.3 \times 10^3$	1.0000	20	20
Simetryn	70.07	3.78	75.36	4.02	74.11	2.28	$y=2.0 \times 10^5 x + 2.5 \times 10^5$	0.9992	5	10
Spinetoram	63.85	9.51	66.21	2.25	89.69	4.34	$y=2.0 \times 10^4 x + 7.6 \times 10^3$	0.9998	20	20
Spinosyn D	63.89	11.69	72.32	3.80	80.81	9.44	$y=1.5 \times 10^3 x - 4.0 \times 10^3$	0.9945	20	20
Spirodiclofen	66.73	8.24	69.55	8.18	78.04	9.21	$y=2.6 \times 10^5 x - 2.4 \times 10^5$	0.9988	10	20

Compound	Spiked 10 μ g/kg		Spiked 20 μ g/kg		Spiked 100 μ g/kg		Linear Equations	Correlation (R^2)	SDLs μ g/kg	LOD μ g/kg
	REC%	RSD%	REC%	RSD%	REC%	RSD%				
Spiromesifen	77.79	2.59	81.49	5.98	81.27	4.48	$y=4.5\times10^3x+3.7\times10^3$	0.9997	10	20
Spirotetramat	72.16	3.71	75.95	2.94	70.70	2.83	$y=6.9\times10^4x+2.3\times10^4$	0.9995	20	20
Spirotetramat-keto-hydroxy	86.58	1.51	84.11	8.63	86.01	9.10	$y=1.6\times10^4x-5.3\times10^3$	0.9999	10	20
Spirotetramat-mono-hydroxy	63.92	9.41	84.14	5.59	115.14	4.41	$y=1.7\times10^3x+8.8\times10^2$	0.9955	10	20
Sulfallate	75.72	10.50	82.45	6.54	93.16	4.89	$y=1.7\times10^4x+4.8\times10^4$	0.9982	20	20
Sulfentrazone	60.20	11.37	69.72	3.74	75.64	3.98	$y=7.9\times10^2x+2.9\times10^3$	0.9959	50	50
Sulfometuron-Methyl	68.92	5.90	95.95	2.07	129.44	4.81	$y=2.4\times10^3x+7.0\times10^3$	0.9971	5	10
Sulfotep	73.27	10.27	76.90	3.64	70.98	7.01	$y=3.0\times10^4x+1.1\times10^5$	0.9948	20	20
Sulfoxaflor	59.80	4.84	64.53	9.52	65.52	9.98	$y=1.3\times10^4x-2.7\times10^3$	0.9999	5	10
Sulprofos	75.71	3.20	95.82	5.34	120.84	16.56	$y=1.2\times10^2x+2.9\times10^1$	0.9974	5	10
Tebufenozide	72.47	2.16	73.67	4.06	75.64	6.29	$y=3.3\times10^3x+1.8\times10^3$	0.9999	5	10
Tebufenpyrad	69.32	8.56	73.94	1.18	82.02	7.66	$y=1.2\times10^2x-4.5\times10^5$	0.9917	20	20
Tebutam	76.70	11.42	84.48	7.67	93.81	3.64	$y=3.6\times10^4x+1.2\times10^5$	0.9974	5	10
Tebuthiuron	64.43	19.41	77.00	14.96	75.19	14.20	$y=6.6\times10^4x+2.2\times10^5$	0.9945	20	20
Temephos	67.68	9.37	79.97	6.72	80.01	8.71	$y=4.5\times10^4x+1.5\times10^5$	0.9951	20	20
Tepraloxymdim	70.49	2.20	83.75	1.35	89.92	6.33	$y=1.1\times10^4x+4.6\times10^4$	0.9944	5	5
Terbucarb	72.73	6.80	80.13	2.97	100.12	7.47	$y=2.1\times10^3x+8.9\times10^3$	0.9964	20	20
Terbufos-Oxon	71.88	2.99	76.22	5.76	74.91	7.91	$y=6.6\times10^4x+6.1\times10^4$	0.9995	20	20
Terbufos-Oxon-Sulfone	72.15	9.70	70.08	2.72	83.63	7.92	$y=2.2\times10^4x+2.3\times10^4$	0.9991	20	20
Terbufos-Oxon-Sulfoxide	67.57	5.01	66.23	3.17	72.76	5.93	$y=1.3\times10^4x+6.0\times10^3$	0.9997	10	20
Terbufos-Sulfone	60.59	11.76	61.63	4.79	74.43	6.04	$y=5.1\times10^3x+1.1\times10^4$	0.9989	10	20
Terbufos-Sulfoxide	64.76	4.56	65.06	3.27	82.78	7.80	$y=6.8\times10^3x-4.6\times10^3$	0.9998	5	10
Terbumeton	61.92	10.98	66.06	9.24	76.43	8.07	$y=2.2\times10^3x+5.7\times10^3$	0.9986	5	10
Terbuthylazine	75.16	5.00	81.79	10.19	80.10	5.91	$y=2.3\times10^5x+3.7\times10^5$	0.9985	10	20
Terbutryn	78.20	7.77	90.37	7.50	89.00	7.92	$y=4.8\times10^4x+1.3\times10^5$	0.9965	10	20
Tetrachlorvinphos	114.49	8.82	117.38	7.17	94.01	3.68	$y=3.3\times10^3x-3.5\times10^3$	0.9963	5	5
Tetramethrin	72.64	8.91	78.82	8.59	120.87	4.05	$y=5.4\times10^3x-3.4\times10^3$	0.9888	20	20
Thenylchlor	61.19	3.22	74.35	1.02	79.59	2.17	$y=1.1\times10^3x+4.9\times10^3$	0.9928	10	20
Thiacloprid	116.58	6.89	108.69	4.50	98.87	4.55	$y=3.0\times10^4x-7.1\times10^4$	0.9951	1	5
Thiazafuron	67.20	12.86	82.08	12.82	86.49	10.58	$y=3.6\times10^3x+1.6\times10^4$	0.9925	1	5
Thiazopyr	90.71	4.78	97.26	7.89	99.53	5.45	$y=8.2\times10^4x+1.2\times10^5$	0.9992	5	10
Thiobencarb	65.19	12.57	75.80	11.34	84.00	7.13	$y=3.5\times10^3x+1.4\times10^4$	0.9955	10	10
Thiocyclam	62.43	9.64	68.62	10.94	75.71	8.27	$y=4.6\times10^2x+1.3\times10^3$	0.9981	5	10
Thiofanox-sulfoxide	82.27	7.73	94.29	9.95	84.85	6.97	$y=1.9\times10^3x+1.8\times10^2$	0.9998	20	20
Tiadinil	118.89	10.58	109.47	8.94	95.11	2.39	$y=7.5\times10^2x+2.6\times10^3$	0.9962	1	5
Tolclofos-methyl	88.44	1.17	79.08	1.05	103.73	1.14	$y=6.0\times10^2x+2.0\times10^3$	0.9962	5	10
Tralkoxydim	112.83	12.68	91.31	14.19	96.01	12.40	$y=4.5\times10^4x-1.1\times10^5$	0.9946	10	20
Triadimefon	86.88	8.09	88.86	7.17	77.69	9.84	$y=1.6\times10^4x-1.8\times10^4$	0.9990	10	20
Triadimenol	59.83	13.71	64.20	9.84	68.25	10.33	$y=6.5\times10^2x+1.3\times10^3$	0.9908	20	20
Triallate	94.29	2.76	120.86	3.81	115.61	3.20	$y=1.5\times10^3x+5.2\times10^3$	0.9929	1	10
Triamiphos	64.78	7.67	74.03	7.14	74.41	5.08	$y=7.9\times10^4x+2.1\times10^5$	0.9970	20	20
Triapenthenol	122.13	9.78	107.29	2.46	92.75	3.92	$y=8.1\times10^4x+5.4\times10^5$	0.9890	1	10
Triasulfuron	68.77	20.46	61.59	10.08	69.59	9.07	$y=8.5\times10^3x+6.2\times10^4$	0.9856	20	20
Triazophos	103.15	12.70	94.36	3.77	91.56	8.84	$y=6.4\times10^4x-1.4\times10^5$	0.9962	10	20
Tribufos	72.86	7.14	77.04	6.09	66.78	7.01	$y=5.8\times10^4x-8.3\times10^3$	0.9991	5	10
Trichlorfon	114.07	7.20	83.99	15.21	106.45	13.95	$y=1.4\times10^3x-1.9\times10^2$	0.9926	10	20
Tricyclazole	65.23	9.52	71.15	6.03	78.85	4.76	$y=1.1\times10^5x-3.7\times10^5$	0.9928	5	10
Trietazine	88.31	5.09	82.88	3.86	75.58	7.77	$y=7.1\times10^4x+1.1\times10^5$	0.9993	10	20
Trifloxystrobin	71.61	8.46	80.52	7.40	88.37	8.04	$y=5.7\times10^4x+1.8\times10^5$	0.9973	5	10
Trifloxysulfuron	78.00	6.93	88.08	7.93	80.42	7.92	$y=1.2\times10^4x+5.7\times10^4$	0.9955	10	20
Triflumuron	111.50	6.62	116.38	1.87	105.55	1.95	$y=1.3\times10^3x+1.1\times10^3$	0.9955	1	5
Triforine	124.60	4.36	75.10	9.79	86.23	1.27	$y=1.2\times10^3x+5.5\times10^3$	0.9951	10	20
Trinexapac-ethyl	120.40	5.40	118.09	6.68	92.80	3.89	$y=3.6\times10^3x+1.6\times10^4$	0.9956	10	20
Triticonazole	92.81	2.73	87.24	6.86	100.12	2.41	$y=1.5\times10^4x+1.4\times10^5$	0.9759	1	5
Uniconazole	103.74	11.01	83.88	8.69	97.96	7.24	$y=2.5\times10^4x+1.9\times10^5$	0.9833	10	20
Valifenalate	70.86	6.76	65.07	3.80	74.46	6.31	$y=1.8\times10^4x+5.5\times10^4$	0.9878	10	20
Vamidothion	78.45	14.69	64.62	13.55	70.95	13.94	$y=9.8\times10^3x-2.3\times10^3$	0.9994	5	10
Vamidothion sulfone	70.95	4.84	73.16	6.22	77.97	1.49	$y=2.6\times10^4x+2.9\times10^4$	0.9997	5	10
Vamidothion Sulfoxide	70.10	6.55	71.18	5.37	78.91	9.72	$y=1.6\times10^4x+1.9\times10^4$	0.9997	5	10
Warfarin	93.14	6.66	81.95	7.74	97.56	3.00	$y=1.5\times10^4x+7.2\times10^4$	0.9953	5	20
Zoxamide	115.18	9.26	111.88	3.24	98.49	2.45	$y=1.2\times10^4x+3.3\times10^4$	0.9981	10	20