

Table A5B. Quality-control summary for matrix-spike recoveries of pesticides and pesticide degradates in samples collected for the Southern Sierra Groundwater Ambient Monitoring and Assessment (GAMA) study, California, June 2006.

[Acceptable recovery range is between 70 and 130 percent]

Constituent	Number of spike samples	Minimum recovery (percent)	Maximum recovery (percent)	Median recovery (percent)
Acetochlor	5	82	108	100
Alachlor	5	89	110	102
Atrazine ¹	5	88	104	97
Azinphos-methyl	5	71	126	102
Azinphos-methyl-oxon	5	39	109	88
Benfluralin	5	47	77	69
Carbaryl	5	79	120	103
2-Chloro-2,6-diethylacetanilide	5	79	110	106
4-Chloro-2-methylphenol	5	55	71	58
Chlorpyrifos	5	87	97	89
Chlorpyrifos, oxygen analog	5	20	39	30
Cyfluthrin	5	49	75	51
Cypermethrin	5	47	70	53
Dacthal (DCPA)	5	87	108	102
Deethylatrazine (2-Chloro-4-isopropylamino-6-amino-s-triazine) ¹	5	38	53	51
Desulfinylfipronil	5	80	93	84
Desulfinylfipronil amide	5	53	112	78
Diazinon	5	86	102	90
Diazinon, oxon	5	49	99	90
3,4-Dichloroaniline	5	70	83	75
Dichlorvos	5	19	30	30
Dicrotophos	5	20	49	39
Dieldrin	5	71	121	96
2,6-Diethylaniline	5	88	97	94
Dimethoate	5	25	43	35
Ethion	5	65	119	90
Ethion monoxon	5	59	129	100
2-Ethyl-6-methylaniline	5	82	93	87
Fenamiphos	5	69	140	129
Fenamiphos sulfone	5	60	121	106
Fenamiphos sulfoxide	5	39	80	78
Fipronil	5	69	101	92
Fipronil sulfide ¹	5	75	93	87
Fipronil sulfone	5	57	94	64
Fonofos	5	82	96	88
Hexazinone	5	57	111	81
Isofenphos	5	85	108	103
Malaoxon	5	48	107	103
Malathion	5	80	107	104
Metalaxyl	5	85	106	97
Methidathion	5	83	133	105
Metolachlor	5	99	120	105
Metribuzin	5	65	89	86
Myclobutanil	5	77	112	94
1-Naphthol	5	19	59	20
Paraoxon-methyl	5	49	60	49
Parathion-methyl	5	60	92	84
Pendimethalin	5	76	112	108
<i>cis</i> -Permethrin	5	49	79	55
Phorate	5	69	101	73
Phorate oxon	5	69	120	117
Phosmet	2	8	8	8
Phosmet oxon	2	49	50	49

Table A5B. Quality-control summary for matrix-spike recoveries of pesticides and pesticide degradates in samples collected for the Southern Sierra Groundwater Ambient Monitoring and Assessment (GAMA) study, California, June 2006—Continued.

[Acceptable recovery range is between 70 and 130 percent]

Constituent	Number of spike samples	Minimum recovery (percent)	Maximum recovery (percent)	Median recovery (percent)
Prometon ¹	5	79	108	97
Prometryn	5	81	108	102
Propyzamide	5	77	104	98
Simazine ¹	5	81	103	99
Tebuthiuron	5	69	120	118
Terbufos	5	79	130	118
Terbufos oxon sulfone	5	49	119	98
Terbutylazine	5	89	108	97
Trifluralin	5	55	85	78

¹Constituents detected in ground-water samples.