

Table A6. Quality-control summary for surrogate recoveries of volatile organic compounds, gasoline oxygenates and degradates, pesticides and pesticide degradates, pharmaceutical compounds, wastewater-indicator compounds, and constituents of special interest in samples collected for the Southern Sierra Groundwater Ambient Monitoring and Assessment (GAMA) study, California, June 2006.[MWH, Montgomery Watson-Harza Laboratory; VOC, volatile organic compound; 1,2,3-TCP, 1,2,3-trichloropropane; NDMA, *N*-nitrosodimethylamine; na, not analyzed]

Surrogate	Analytical schedule	Constituent or constituent class analyzed	Number of blanks analyses	Median recovery in blanks (percent)	Number of surrogate recoveries below 70 percent in blanks
1-Bromo-4-fluorobenzene	2020, 4024	VOC, gas oxygenate	9	73	2
1,2-Dichloroethane-d4	2020, 4024	VOC, gas oxygenate	9	117	0
Isobutyl alcohol-d6	4024	Gas oxygenate	3	112	0
Toluene-d8	2020, 4024	VOC, gas oxygenate	9	99	0
Diazinon-d10	2003	Pesticide	5	98	0
alpha-HCH-d6	2003	Pesticide	5	87	0
Toluene-d8	MWH	1,2,3-TCP	3	100	0
NDMA-d6	MWH	NDMA	3	64	0
Ethyl nicotinate-d4	2080	Pharmaceutical	10	107	0
Carbamazapine-d10	2080	Pharmaceutical	10	107	0
Caffeine- ¹³ C	1433	Wastewater-indicator	na	na	na
Decafluorobiphenyl	1433	Wastewater-indicator	na	na	na
Fluoranthene-d10	1433	Wastewater-indicator	na	na	na
Surrogate	Number of surrogate recoveries above 130 percent in blanks	Number of sample analyses	Median recovery in samples (percent)	Number of surrogate recoveries below 70 percent in samples	Number of surrogate recoveries above 130 percent in samples
1-Bromo-4-fluorobenzene	0	71	99	14	0
1,2-Dichloroethane-d4	1	71	115	0	10
Isobutyl alcohol-d6	0	30	109	0	1
Toluene-d8	0	71	100	0	0
Diazinon-d10	0	68	94	3	0
alpha-HCH-d6	0	68	94	7	0
Toluene-d8	0	27	99	0	0
NDMA-d6	0	27	91	4	0
Ethyl nicotinate-d4	0	62	102	0	0
Carbamazapine-d10	0	62	103	0	0
Caffeine- ¹³ C	na	8	91	0	0
Decafluorobiphenyl	na	8	45	8	0
Fluoranthene-d10	na	8	95	0	0