

Table 3D. Pharmaceutical compounds, primary uses or sources, comparative thresholds, and reporting information for the USGS National Water Quality Laboratory schedule 2080.

[The five-digit USGS parameter code is used to uniquely identify a specific constituent or property. CAS, Chemical Abstract Service; LRL, laboratory reporting level; D, detected in ground-water samples (table 7); na, not available; µg/L, micrograms per liter; —, not detected]

Constituent	Primary use or source	USGS parameter code	CAS number	LRL (µg/L)	Threshold type	Threshold value (µg/L)	Detection
Acetaminophen	Analgesic	62000	103-90-2	0.024	na	na	—
Caffeine	Stimulant	50305	58-08-2	0.015	na	na	—
Carbamazepine	Anticonvulsant; analgesic; mood stabilizer	62793	298-46-4	0.018	na	na	D
Codeine	Opioid narcotic	62003	76-57-3	0.022	na	na	—
Cotinine	Nicotine metabolite	62005	486-56-6	0.028	na	na	—
Dehydronifedipine	Antianginal metabolite	62004	67035-22-7	0.022	na	na	—
Diltiazem	Antianginal; antihypertensive	62008	42399-41-7	0.018	na	na	— ⁽¹⁾
1,7-Dimethylxanthine	Caffeine metabolite	62030	611-59-6	0.021	na	na	—
Diphenhydramine	Antihistamine	62796	58-73-1	0.023	na	na	D ⁽¹⁾
Salbutamol (albuterol)	Anti-inflammatory; bronchodilator	62020	18559-94-9	0.014	na	na	—
Sulfamethoxazole	Antibacterial, antiprotozoal	62021	723-46-6	0.024	na	na	D ⁽¹⁾
Thiabendazole	Anthelmintic	62801	148-79-8	0.025	na	na	—
Trimethoprim	Antibacterial	62023	738-70-5	0.020	na	na	—
Warfarin	Anticoagulant	62024	81-81-2	0.002	na	na	—

¹The median matrix-spike recovery was less than 70 percent. Low recoveries may indicate that the compound might not have been detected in some samples if it was present at very low concentrations.