

**Table 31.** Arsenic, chromium, and iron species, comparative thresholds, and reporting information for the USGS Trace Metal Laboratory, Boulder, Colorado.

[The five-digit USGS parameter code is used to uniquely identify a specific constituent or property. The laboratory entity code for the USGS Trace Metal Laboratory in the USGS National Water Information System (NWIS) is USGSTMCO. CAS, Chemical Abstract Service; MD, method detection level; HAL-US, U.S. Environmental Protection Agency lifetime health advisory; MCL-CA, California Department of Public Health maximum contaminant level; MCL-US, U.S. Environmental Protection Agency maximum contaminant level; na, not available; mg/L, micrograms per liter; D, detected in ground-water samples ([table 12](#))]

Constituent (valence state)	USGS parameter code	CAS number	MD (µg/L)	Threshold type <sup>1</sup>	Threshold level (µg/L)	Detection
Arsenic (III)	99034	22569-72-8	1	na	na	D
Arsenic (total)	01000	7440-38-2	0.5	MCL-US	10	D
Chromium (VI), hexavalent	01032	18540-29-9	1	na	na	D
Chromium (total)	01030	7440-47-3	1	MCL-CA	50	D
Iron (II)	01047	7439-89-6	2	na	na	D
Iron (total)	01046	7439-89-6	2	HAL-US	300	D

<sup>1</sup>Maximum contaminant level thresholds are listed as MCL-US when the MCL-US and MCL-CA are identical, and as MCL-CA when the MCL-CA is lower than the MCL-US or no MCL-US exists.