

RSIL Labcode or Schedule	Description	Medium	USGS Parameter Code	USGS Method Code
<u>Water</u>				
Sch 1142; includes LC 1574 and LC 489; quantity of 1 to 39 samples	Both stable hydrogen isotopes ($^2\text{H}/^1\text{H}$) and stable oxygen isotopes ($^{18}\text{O}/^{16}\text{O}$) of water by mass spectrometer	water	82082 82085	MS007 MS020
Sch 1172; includes LC 1574 and LC 489; quantity of 40 or more samples	Both stable hydrogen isotopes ($^2\text{H}/^1\text{H}$) and stable oxygen isotopes ($^{18}\text{O}/^{16}\text{O}$) of water by mass spectrometer		82082 82085	MS007 MS020
LC 1574	stable hydrogen isotopes ($^2\text{H}/^1\text{H}$) of water by mass spectrometer	water	82082	MS007
LC 489	stable oxygen isotopes ($^{18}\text{O}/^{16}\text{O}$) of water by mass spectrometer	water	82085	MS020
<u>Nitrate and Ammonium</u>				
LC 2900	Both stable nitrogen isotopes ($^{15}\text{N}/^{14}\text{N}$) and stable oxygen isotopes ($^{18}\text{O}/^{16}\text{O}$) of dissolved nitrate in water by mass spectrometer	dissolved nitrate in water	82690 63041	S0419 MS018
LC 2899	Stable nitrogen isotopes ($^{15}\text{N}/^{14}\text{N}$) of dissolved nitrate in water by mass spectrometer	dissolved nitrate in water	82690	S0419
LC 2898	Stable nitrogen isotopes ($^{15}\text{N}/^{14}\text{N}$) of ammonium in water by mass spectrometer	dissolved ammonium in water	82691	S0420

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<u>Sulfate and Sulfide</u>				
LC 1951	Stable sulfur isotopes ($^{34}\text{S}/^{32}\text{S}$) of dissolved sulfate in water at concentrations of > 20 mg/L by mass spectrometer	dissolved sulfate in water	49932	MS028
LC 1951 + oxygen isotopes	Stable sulfur isotopes ($^{34}\text{S}/^{32}\text{S}$) and oxygen isotopes ($^{18}\text{O}/^{16}\text{O}$) of dissolved sulfate in water at concentrations of > 20 mg/L by mass spectrometer	dissolved sulfate in water	49932 82727	MS028 MS045
LC 1949	Stable sulfur isotopes ($^{34}\text{S}/^{32}\text{S}$) of dissolved sulfate in water at concentrations of < 20 mg/L by mass spectrometer	dissolved sulfate in water	49932	MS025
LC 1949 + oxygen isotopes	Stable sulfur isotopes ($^{34}\text{S}/^{32}\text{S}$) and oxygen isotopes ($^{18}\text{O}/^{16}\text{O}$) of dissolved sulfate in water at concentrations of < 20 mg/L by mass spectrometer	dissolved sulfate in water	49932 82727	MS028 MS045
LC 1948	Stable sulfur isotopes ($^{34}\text{S}/^{32}\text{S}$) of pure solid silver sulfide by mass spectrometer	pure solid Ag ₂ S	49902	MS024
<u>Carbon- and Nitrogen-bearing solids</u>				
Sch 1832	Both stable carbon isotopes ($^{13}\text{C}/^{12}\text{C}$) and stable nitrogen isotopes ($^{15}\text{N}/^{14}\text{N}$) of invertebrates, plants, and sediments by mass spectrometer	invertebrates, plants, and sediments	63038 63065	MS038 MS010
LC 2893	Stable nitrogen isotopes ($^{15}\text{N}/^{14}\text{N}$) of invertebrates, plants, and sediments by mass spectrometer	invertebrates, plants, and sediments	63035	MS010
<u>Dissolved Inorganic and Organic Carbon</u>				
LC 1851	Stable carbon isotopes ($^{13}\text{C}/^{12}\text{C}$) of dissolved inorganic carbon in water by mass spectrometer	dissolved inorganic carbon in water	65243	MS057
LC 1852	Stable carbon isotopes ($^{13}\text{C}/^{12}\text{C}$) of dissolved organic carbon in water by mass spectrometer	dissolved organic carbon in water	65223	MS058

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<u>Calcium carbonate</u>				
LC 1135 & LC 1137; provided together	Both stable carbon isotopes ($^{13}\text{C}/^{12}\text{C}$) and stable oxygen isotopes ($^{18}\text{O}/^{16}\text{O}$) of calcium carbonate solid by mass spectrometer	calcium carbonate solid	82339 82337	G0106 G0105