

**Appendix Table 1-5. Methods, reporting levels, and laboratories used for chemical analysis for the Deepwater Horizon oil spill, Gulf of Mexico, 2010: trace and major elements and nutrients in the less than 63-micrometer sediment fraction.**

[Method codes are from the National Water Information System (NWIS) database, and are defined in *Table 1-6. Abbreviations:* a, no reporting level because analyte was detected in all samples; CASRN, Chemical Abstracts Services Registry Number; na, not applicable; pcode, parameter code from the U.S. Geological Survey NWIS database; Percent of sediment less than 63 micrometers, percent of total sediment that passes through a 63-micrometer sieve; SCL, Sediment Chemistry Laboratory, Atlanta, Georgia; USGS, U.S. Geological Survey; mg/kg, milligram per kilogram; <, less than]

Analyte	CASRN	Pcode	Laboratory	Method code	Reporting level <sup>1</sup>	Units
Aluminum	7429-90-5	03926	USGS SCL	PLA20	0.5–5.0	Percent
Antimony	7440-36-0	03929	USGS SCL	HY017	0.3–5.0	mg/kg
Arsenic	7440-38-2	03933	USGS SCL	HY017	a	mg/kg
Barium	7440-39-3	03921	USGS SCL	PLA20	a	mg/kg
Beryllium	7440-41-7	03938	USGS SCL	PLA20	0.1–5.0	mg/kg
Cadmium	7440-43-9	03925	USGS SCL	AA095	0.1–3.8	mg/kg
Calcium	7440-70-2	03954	USGS SCL	PLA20	0.3–5.0	Percent
Chromium	7440-47-3	03949	USGS SCL	PLA20	9.0–50	mg/kg
Cobalt	7440-48-4	03950	USGS SCL	PLA20	1.0–50	mg/kg
Copper	7440-50-8	03927	USGS SCL	PLA20	50	mg/kg
Inorganic carbon	7440-44-0	03941	USGS SCL	CMB01	a	Percent
Iron	7439-89-6	03930	USGS SCL	PLA20	0.2–5.0	Percent
Lead	7439-92-1	03952	USGS SCL	AA095	1.0–25	mg/kg
Lithium	7439-93-2	03939	USGS SCL	PLA20	5.0–50	mg/kg
Magnesium	7439-95-4	03932	USGS SCL	PLA20	5.0	Percent
Manganese	7439-96-5	03951	USGS SCL	PLA20	a	mg/kg
Mercury	7439-97-6	03934	USGS SCL	CV025	0.01	mg/kg
Molybdenum	7439-98-7	03947	USGS SCL	PLA20	1.0–50	mg/kg
Nickel	7440-02-0	03937	USGS SCL	PLA20	25–50	mg/kg
Nitrogen	na	03953	USGS SCL	CMB01	a	Percent
Organic carbon	na	03923	USGS SCL	CMB01	a	Percent
Percent of sediment less than 63 micrometers	na	69600	USGS SCL	na	1.0	Percent
Phosphorus	7723-14-0	03946	USGS SCL	PLA20	1.0	mg/kg
Potassium	7440-09-7	03935	USGS SCL	PLA20	0.5–5.0	Percent
Selenium	7782-49-2	03928	USGS SCL	HY017	0.3–5.0	mg/kg
Silver	7440-22-4	03922	USGS SCL	AA095	0.5–26.0	mg/kg
Sodium	7440-23-5	03943	USGS SCL	PLA20	1.5–5.0	Percent
Strontium	7440-24-6	03944	USGS SCL	PLA20	a	mg/kg
Sulfur	7704-34-9	03945	USGS SCL	PLA20	a	Percent
Thallium	7440-28-0	03940	USGS SCL	PLA20	50–2,500	mg/kg
Tin	7440-31-5	03931	USGS SCL	PLA20	1.0–50	mg/kg
Titanium	7440-32-6	03948	USGS SCL	PLA20	0.01–0.5	Percent
Uranium	7440-61-1	03936	USGS SCL	PLA20	50–2,500	mg/kg
Vanadium	7440-62-2	03924	USGS SCL	PLA20	5.0–25	mg/kg
Zinc	7440-66-6	03942	USGS SCL	PLA20	20	mg/kg

<sup>1</sup>Range in reporting levels for that analyte, analyzed by that method and laboratory. Reporting level is defined as the concentration set by a laboratory and used for reporting analytical results that are determined to be less than the detection level.