

Appendix Table 1-4. 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 whole sediment.

[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; NWQL, National Water Quality Laboratory, Denver, Colorado; pcode, parameter code from the U.S. Geological Survey NWIS database; SCL, Sediment Chemistry Laboratory, Atlanta, Georgia; USGS, U.S. Geological Survey; mg/kg, milligram per kilogram]

Analyte	CASRN	Pcode ¹	Laboratory	Method code	Reporting level ¹	Units
Aluminum	7429-90-5	01396	USGS SCL	PLA20	0.1–0.2	Percent
Antimony	7440-36-0	01098	USGS SCL	HY017	0.1–0.2	mg/kg
Arsenic	7440-38-2	01003	USGS SCL	HY017	a	mg/kg
Barium	7440-39-3	01376	USGS SCL	PLA20	1.0–2.0	mg/kg
Beryllium	7440-41-7	01377	USGS SCL	PLA20	0.1–0.2	mg/kg
Cadmium	7440-43-9	01378	USGS SCL	AA095	0.1–0.2	mg/kg
Calcium	7440-70-2	01476	USGS SCL	PLA20	0.1–0.2	Percent
Chromium	7440-47-3	01379	USGS SCL	PLA20	1.0–2.0	mg/kg
Cobalt	7440-48-4	01380	USGS SCL	PLA20	1.0–2.0	mg/kg
Copper	7440-50-8	01381	USGS SCL	PLA20	1.0–2.0	mg/kg
Iron	7439-89-6	01468	USGS SCL	PLA20	0.1–0.2	Percent
Lead	7439-92-1	01382	USGS SCL	AA095	1.0	mg/kg
Lithium	7439-93-2	01383	USGS SCL	PLA20	1.0–2.0	mg/kg
Magnesium	7439-95-4	01477	USGS SCL	PLA20	0.1–0.2	Percent
Manganese	7439-96-5	01384	USGS SCL	PLA20	1.0	mg/kg
Mercury	7439-97-6	01385	USGS SCL	CV025	0.01	mg/kg
Molybdenum	7439-98-7	01386	USGS SCL	PLA20	1.0–2.0	mg/kg
Nickel	7440-02-0	01387	USGS SCL	PLA20	1.0–2.0	mg/kg
Phosphorus	7723-14-0	01388	USGS SCL	PLA20	a	mg/kg
Potassium	7440-09-7	01475	USGS SCL	PLA20	0.1–0.2	Percent
Selenium	7782-49-2	01148	USGS SCL	HY017	0.1–0.2	mg/kg
Silver	7440-22-4	01389	USGS SCL	AA095	0.5–1.0	mg/kg
Sodium	7440-23-5	01474	USGS SCL	PLA20	0.1	Percent
Strontium	7440-24-6	01390	USGS SCL	PLA20	1.0	mg/kg
Sulfur	7704-34-9	01398	USGS SCL	PLA20	0.01	Percent
Thallium	7440-28-0	34480	USGS SCL	PLA20	50–100	mg/kg
Tin	7440-31-5	01391	USGS SCL	PLA20	1.0–2.0	mg/kg
Titanium	7440-32-6	01469	USGS SCL	PLA20	0.01–0.02	Percent
Total carbon	7440-44-0	01394	USGS SCL	CMB01	0.1	Percent
Total nitrogen	na	01397	USGS SCL	CMB01	0.01–0.1	Percent
Uranium	7440-61-1	01392	USGS SCL	PLA20	50–100	mg/kg
Vanadium	7440-62-2	01088	USGS SCL	PLA20	1.0–2.0	mg/kg
Zinc	7440-66-6	01393	USGS SCL	PLA20	1.0–2.0	mg/kg

³Range 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.