

Appendix Table 1-1. Methods, reporting levels, and laboratories used for chemical analysis for the Deepwater Horizon oil spill, Gulf of Mexico, 2010: organic contaminants in water.

[Method codes are from the National Water Information System (NWIS) database, and are defined in Table 1-6. **Abbreviations:** CASRN, Chemical Abstracts Services Registry Number; na, not applicable; NWQL, National Water Quality Laboratory, Denver, Colorado; OCRL, Organic Carbon Research Laboratory, Boulder, Colorado; pcode, parameter code from the U.S. Geological Survey NWIS database; TAL-CO, TestAmerica Laboratory, Denver, Colorado; TAL-FL, TestAmerica Laboratory, Pensacola, Florida; USGS, U.S. Geological Survey; µg/L, microgram per liter; mg/L, milligram per liter; ", cell is identical to the cell immediately above]

| Analyte | CASRN | Pcode | Laboratory | Method | Reporting level ¹ | Units |
|---------------------------------------|----------|-------|------------|--------|------------------------------|-------|
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 77562 | USGS NWQL | GCM66 | 0.04 | µg/L |
| 1,1,1-Trichloroethane | 71-55-6 | 34506 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.03 | " |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 34516 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.14 | " |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | 77652 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.034 | " |
| 1,1,2-Trichloroethane | 79-00-5 | 34511 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.028-0.046 | " |
| 1,1-Dichloroethane | 75-34-3 | 34496 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.044 | " |
| 1,1-Dichloroethene | 75-35-4 | 34501 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.022 | " |
| 1,1-Dichloropropene | 563-58-6 | 77168 | USGS NWQL | GCM66 | 0.03-0.04 | µg/L |
| 1,2,3,4-Tetramethylbenzene | 488-23-3 | 49999 | USGS NWQL | GCM66 | 0.08-0.1 | µg/L |
| 1,2,3,5-Tetramethylbenzene | 527-53-7 | 50000 | USGS NWQL | GCM66 | 0.08 | µg/L |
| 1,2,3-Trichlorobenzene | 87-61-6 | 77613 | USGS NWQL | GCM66 | 0.06 | µg/L |
| 1,2,3-Trichloropropane | 96-18-4 | 77443 | USGS NWQL | GCM66 | 0.12 | µg/L |
| 1,2,3-Trimethylbenzene | 526-73-8 | 77221 | USGS NWQL | GCM66 | 0.06 | µg/L |
| 1,2,4-Trichlorobenzene | 120-82-1 | 34551 | TAL-FL | GCM75 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.26 | " |
| " | " | " | " | GCM66 | 0.08 | " |
| 1,2,4-Trimethylbenzene | 95-63-6 | 77222 | USGS NWQL | GCM66 | 0.032 | µg/L |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | 82625 | TAL-FL | GCM25 | 0.7 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.34-0.4 | " |
| 1,2-Dibromoethane | 106-93-4 | 77651 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.028-0.05 | " |
| 1,2-Dichlorobenzene | 95-50-01 | 34536 | TAL-FL | GM025 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.2 | " |
| " | " | " | " | GCM66 | 0.028 | " |
| 1,2-Dichloroethane | 107-06-2 | 32103 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.08 | " |
| 1,2-Dichloropropane | 78-87-5 | 34541 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.026 | " |
| 1,2-Diphenylhydrazine | 122-66-7 | 82626 | USGS NWQL | GCM55 | 0.3 | µg/L |
| 1,3,5-Trimethylbenzene | 108-67-8 | 77226 | USGS NWQL | GCM66 | 0.032 | µg/L |

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| Analyte | CASRN | Pcode | Laboratory | Method | Reporting level ¹ | Units |
|----------------------------|----------|-------|------------|--------|------------------------------|-------|
| 1,3-Dichlorobenzene | 541-73-1 | 34566 | TAL-FL | GCM75 | 0.54 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.22 | " |
| " | " | " | " | GCM66 | 0.024 | " |
| 1,3-Dichloropropane | 142-28-9 | 77173 | USGS NWQL | GCM66 | 0.06 | µg/L |
| 1,4-Dichlorobenzene | 106-46-7 | 34571 | TAL-FL | GCM75 | 0.64 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.22 | " |
| " | " | " | " | GCM66 | 0.026 | " |
| 2,2-Dichloropropane | 594-20-7 | 77170 | USGS NWQL | GCM66 | 0.06 | µg/L |
| 2,4,5-Trichlorophenol | 95-95-4 | 77687 | TAL-FL | GM025 | 1.3-4.0 | µg/L |
| 2,4,6-Trichlorophenol | 88-06-2 | 34621 | TAL-FL | GM025 | 1.2-3.7 | µg/L |
| " | " | " | USGS NWQL | GCM56 | 0.34 | " |
| 2,4-Dichlorophenol | 120-83-2 | 34601 | TAL-FL | GM025 | 1.1-3.4 | µg/L |
| " | " | " | USGS NWQL | GCM56 | 0.36 | " |
| 2,4-Dimethylphenol | 105-67-9 | 34606 | TAL-FL | GM025 | 1.7-5.1 | µg/L |
| " | " | " | USGS NWQL | GCM56 | 0.8 | " |
| 2,4-Dinitrophenol | 51-28-5 | 34616 | TAL-FL | GM025 | 14-43.0 | µg/L |
| " | " | " | USGS NWQL | GCM56 | 1.4 | " |
| 2,4-Dinitrotoluene | 121-14-2 | 34611 | TAL-FL | GM025 | 1.2-3.7 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.56 | " |
| 2,6-Dinitrotoluene | 606-20-2 | 34626 | TAL-FL | GM025 | 2.0-6.3 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.4 | " |
| 2-Chloronaphthalene | 91-58-7 | 34581 | TAL-FL | GM025 | 0.15-0.46 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.16 | " |
| 2-Chlorophenol | 95-57-8 | 34586 | TAL-FL | GM025 | 1.4-4.3 | µg/L |
| " | " | " | USGS NWQL | GCM56 | 0.26 | " |
| 2-Chlorotoluene | 95-49-8 | 77275 | USGS NWQL | GCM66 | 0.028 | µg/L |
| 2-Ethyltoluene | 611-14-3 | 77220 | USGS NWQL | GCM66 | 0.032 | µg/L |
| 2-Methyl-4,6-dinitrophenol | 534-52-1 | 34657 | USGS NWQL | GCM56 | 0.76 | µg/L |
| 2-Methylnaphthalene | 91-57-6 | 30194 | TAL-FL | GM025 | 0.2-0.63 | µg/L |
| 2-Naphthylamine | 91-59-8 | 78118 | TAL-FL | GM025 | 1.4-4.3 | µg/L |
| 2-Nitrophenol | 88-75-5 | 34591 | TAL-FL | GM025 | 1.9-5.7 | µg/L |
| " | " | " | USGS NWQL | GCM56 | 0.4 | " |
| 3,3'-Dichlorobenzidine | 91-94-1 | 34631 | TAL-FL | GM025 | 1.9-5.7 | µg/L |
| " | " | " | USGS NWQL | GCM55 | 0.42 | " |
| 3-Chloropropene | 107-05-1 | 78109 | USGS NWQL | GCM66 | 0.08 | µg/L |
| 3-Nitroaniline | 99-09-2 | 78300 | TAL-FL | GM025 | 1.4-4.3 | µg/L |

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| Analyte | CASRN | Pcode | Laboratory | Method | Reporting level ¹ | Units |
|-----------------------------|-----------|-------|------------|--------|------------------------------|-------|
| 4-Bromophenyl phenyl ether | 101-55-3 | 34636 | TAL-FL | GM025 | 0.18–0.54 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.24 | " |
| 4-Chloro-3-methylphenol | 59-50-7 | 34452 | TAL-FL | GM025 | 1.9–6.0 | µg/L |
| " | " | " | USGS NWQL | GCM56 | 0.55 | " |
| 4-Chloroaniline | 106-47-8 | 30343 | TAL-FL | GM025 | 1.8–5.4 | µg/L |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 34641 | TAL-FL | GM025 | 1.0–3.1 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.34 | " |
| 4-Chlorotoluene | 106-43-4 | 77277 | USGS NWQL | GCM66 | 0.042 | µg/L |
| 4-Isopropyltoluene | 99-87-6 | 77356 | USGS NWQL | GCM66 | 0.06 | µg/L |
| 4-Nitroaniline | 100-01-6 | 30196 | TAL-FL | GM025 | 1.9–5.7 | µg/L |
| 4-Nitrophenol | 100-02-7 | 34646 | TAL-FL | GM025 | 3.1–9.7 | µg/L |
| " | " | " | USGS NWQL | GCM56 | 0.51 | " |
| Acenaphthene | 83-32-9 | 34205 | TAL-FL | GM025 | 0.19–0.57 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.28 | " |
| Acenaphthylene | 208-96-8 | 34200 | TAL-FL | GM025 | 0.14–0.43 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.3 | " |
| Acetone | 67-64-1 | 81552 | TAL-FL | GCM25 | 3.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 3.4 | " |
| Acetophenone | 98-86-2 | 62811 | TAL-FL | GM025 | 0.16–0.49 | µg/L |
| Acrylonitrile | 107-13-1 | 34215 | USGS NWQL | GCM66 | 0.8 | µg/L |
| Anthracene | 120-12-7 | 34220 | TAL-FL | GM025 | 0.17–0.51 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.39 | " |
| Atrazine | 1912-24-9 | 39630 | TAL-FL | GM025 | 0.23–0.71 | µg/L |
| Benzaldehyde | 100-52-7 | 81554 | TAL-FL | GM025 | 0.39–1.2 | µg/L |
| Benzene | 71-43-2 | 34030 | TAL-CO | GCM25 | 0.065 | µg/L |
| " | " | " | TAL-FL | GCM25 | 0.3–0.34 | " |
| " | " | " | USGS NWQL | GCM66 | 0.026 | " |
| Benzo[a]anthracene | 56-55-3 | 34526 | TAL-FL | GM025 | 0.16–0.49 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.26 | " |
| Benzo[a]pyrene | 50-32-8 | 34247 | TAL-FL | GM025 | 0.19–0.57 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.33 | " |
| Benzo[b]fluoranthene | 205-99-2 | 34230 | TAL-FL | GM025 | 0.19–0.6 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.3 | " |
| Benzo[g,h,i]perylene | 191-24-2 | 34521 | USGS NWQL | GCM57 | 0.38 | µg/L |
| Benzo[k]fluoranthene | 207-08-9 | 34242 | TAL-FL | GM025 | 0.35–1.1 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.3 | " |

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|--------------------------------------|------------|-------|------------|--------|------------------------------|-------|
| Benzyl <i>n</i> -butylphthalate | 85-68-7 | 34292 | TAL-FL | GM025 | 2.5–7.7 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 1.8 | " |
| Biphenyl | 92-52-4 | 64172 | TAL-FL | GM025 | 0.19–0.57 | µg/L |
| <i>bis</i> (2-chloroethyl)ether | 111-44-4 | 34273 | TAL-FL | GM025 | 1.9–5.7 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.3 | " |
| <i>bis</i> (2-chloroisopropyl) ether | 39638-32-9 | 34283 | TAL-FL | GM025 | 1.9–5.7 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.14 | " |
| <i>bis</i> -2-chloroethoxymethane | 111-91-1 | 34278 | TAL-FL | GM025 | 0.22–0.69 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.24 | " |
| <i>bis</i> -2-ethylhexylphthalate | 117-81-7 | 39100 | TAL-FL | GM025 | 6.5–20 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 2.0 | " |
| Bromobenzene | 108-86-1 | 81555 | USGS NWQL | GCM66 | 0.022 | µg/L |
| Bromochloromethane | 74-97-5 | 77297 | USGS NWQL | GCM66 | 0.06 | µg/L |
| Bromodichloromethane | 75-27-4 | 32101 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.034 | " |
| Bromoethene | 593-60-2 | 50002 | USGS NWQL | GCM66 | 0.12 | µg/L |
| Bromomethane | 74-83-9 | 34413 | TAL-FL | GCM25 | 0.73–0.91 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.2 | " |
| Caprolactam | 105-60-2 | 64173 | TAL-FL | GM025 | 1.9–5.7 | µg/L |
| Carbazole | 86-74-8 | 77571 | TAL-FL | GM025 | 0.56–1.7 | µg/L |
| Carbon disulfide | 75-15-0 | 77041 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.04–0.08 | " |
| Chlorobenzene | 108-90-7 | 34301 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.016–0.026 | " |
| Chloroethane | 75-00-3 | 34311 | TAL-FL | GCM25 | 0.63 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.06 | " |
| Chloromethane | 74-87-3 | 34418 | TAL-FL | GCM25 | 0.53 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.14 | " |
| Chrysene | 218-01-9 | 34320 | TAL-FL | GM025 | 0.27–0.83 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.33 | " |
| <i>cis</i> -1,2-dichloroethene | 156-59-2 | 77093 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | GCM66 | GCM66 | 0.022 | " |
| <i>cis</i> -1,3-dichloropropene | 10061-01-5 | 34704 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.1 | " |
| Cyclohexane | 110-82-7 | 81570 | TAL-FL | GCM25 | 0.5 | µg/L |
| Dibenzo[a,h]anthracene | 53-70-3 | 34556 | TAL-FL | GM025 | 0.26–0.8 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.42 | " |

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| Analyte | CASRN | Pcode | Laboratory | Method | Reporting level ¹ | Units |
|----------------------------------|----------|-------|------------|--------|------------------------------|-------|
| Dibenzofuran | 132-64-9 | 81302 | TAL-FL | GM025 | 0.93–2.9 | µg/L |
| Dibromochloromethane | 124-48-1 | 32105 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.12 | " |
| Dibromomethane | 74-95-3 | 30217 | USGS NWQL | GCM66 | 0.05 | µg/L |
| Dichlorodifluoromethane | 75-71-8 | 34668 | TAL-FL | GCM25 | 0.79 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.1 | " |
| Dichloromethane | 75-09-2 | 34423 | TAL-FL | GCM25 | 0.81–1.0 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.038–0.04 | " |
| Diesel range organics | na | 04585 | TAL-FL | GCI01 | 40.0–50 | µg/L |
| Diesel range organics (C10-C36) | na | 63746 | TAL-CO | GCI01 | 0.052–0.068 | mg/L |
| Diethyl ether | 60-29-7 | 81576 | USGS NWQL | GCM66 | 0.08–0.1 | µg/L |
| Diethyl phthalate | 84-66-2 | 34336 | TAL-FL | GM025 | 0.24–0.74 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.61 | " |
| Diisopropyl ether | 108-20-3 | 81577 | USGS NWQL | GCM66 | 0.06 | µg/L |
| Dimethyl phthalate | 131-11-3 | 34341 | TAL-FL | GM025 | 0.93–2.9 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.36 | " |
| Di- <i>n</i> -butyl phthalate | 84-74-2 | 39110 | TAL-FL | GM025 | 0.29–0.89 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 2.0 | " |
| Di- <i>n</i> -octyl phthalate | 117-84-0 | 34596 | TAL-FL | GM025 | 0.17–0.51 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.6 | " |
| Dissolved organic carbon | na | 00681 | USGS OCRL | COMB4 | 0.7 | mg/L |
| Ethyl methacrylate | 97-63-2 | 73570 | USGS NWQL | GCM66 | 0.14–0.2 | µg/L |
| Ethyl methyl ketone | 78-93-3 | 81595 | TAL-FL | GCM25 | 2.4 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 1.6 | " |
| Ethylbenzene | 100-41-4 | 34371 | TAL-CO | GCM25 | 0.1 | µg/L |
| " | " | " | TAL-FL | GCM25 | 0.5 | " |
| " | " | " | USGS NWQL | GCM66 | 0.036 | " |
| Fluoranthene | 206-44-0 | 34376 | TAL-FL | GM025 | 0.13–0.4 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.3 | " |
| Fluorene | 86-73-7 | 34381 | TAL-FL | GM025 | 0.14–0.43 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.33 | " |
| Gasoline range organics | na | 49892 | TAL-CO | GCI02 | 4.0 | µg/L |
| Gasoline range organics (C6–C10) | na | 67990 | TAL-FL | GC155 | 18.0–50 | µg/L |
| Hexachlorobenzene | 118-74-1 | 39700 | TAL-FL | GM025 | 0.16–0.49 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.3 | " |
| Hexachlorobutadiene | 87-68-3 | 39702 | USGS NWQL | GCM57 | 0.24 | µg/L |
| " | " | " | " | GCM66 | 0.06–0.08 | " |

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| Analyte | CASRN | Pcode | Laboratory | Method | Reporting level ¹ | Units |
|--|-------------|-------|------------|--------|------------------------------|-------|
| Hexachlorocyclopentadiene | 77-47-4 | 34386 | TAL-FL | GM025 | 2.1–6.6 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.5 | " |
| Hexachloroethane | 67-72-1 | 34396 | TAL-FL | GM025 | 1.1–3.4 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.24 | " |
| " | " | " | " | GCM66 | 0.14–0.22 | " |
| Indeno[1,2,3-cd]pyrene | 193-39-5 | 34403 | TAL-FL | GM025 | 0.22–0.69 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.38 | " |
| Iodomethane | 74-88-4 | 77424 | USGS NWQL | GCM66 | 0.26 | µg/L |
| Isobutyl methyl ketone | 108-10-1 | 78133 | TAL-FL | GCM25 | 1.8 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.32 | " |
| Isophorone | 78-59-1 | 34408 | TAL-FL | GM025 | 0.54–1.7 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.26 | " |
| Isopropylbenzene | 98-82-8 | 77223 | TAL-FL | GCM94 | 0.53 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.042 | " |
| <i>m</i> - plus <i>p</i> -Cresol | 65794-96-9 | 65195 | TAL-FL | GM025 | 1.7–5.1 | µg/L |
| <i>m</i> - plus <i>p</i> -Xylene | 179601-23-1 | 85795 | USGS NWQL | GCM66 | 0.08 | µg/L |
| Methyl acetate | 79-20-9 | 77032 | TAL-FL | GCM25 | 2.1 | µg/L |
| Methyl acrylate | 96-33-3 | 49991 | USGS NWQL | GCM66 | 0.56–0.8 | µg/L |
| Methyl acrylonitrile | 126-98-7 | 81593 | USGS NWQL | GCM66 | 0.26 | µg/L |
| Methyl methacrylate | 80-62-6 | 81597 | USGS NWQL | GCM66 | 0.22 | µg/L |
| Methyl <i>tert</i> -butyl ether | 1634-04-4 | 78032 | TAL-FL | GCM25 | 0.74 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.1 | " |
| Methyl <i>tert</i> -pentyl ether | 994-05-8 | 50005 | USGS NWQL | GCM66 | 0.06 | µg/L |
| Methylcyclohexane | 108-87-2 | 77100 | TAL-FL | GCM25 | 0.5 | µg/L |
| Naphthalene | 91-20-3 | 34696 | TAL-FL | GM025 | 0.14–1.0 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.22 | " |
| " | " | " | " | GCM66 | 0.18 | " |
| <i>n</i> -Butyl methyl ketone | 591-78-6 | 77103 | TAL-FL | GCM25 | 3.1 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.4–0.46 | " |
| <i>n</i> -Butylbenzene | 104-51-8 | 77342 | USGS NWQL | GCM66 | 0.08 | µg/L |
| Nitrobenzene | 98-95-3 | 34447 | TAL-FL | GM025 | 0.75–2.3 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.26 | " |
| <i>N</i> -Nitrosodimethylamine | 62-75-9 | 34438 | USGS NWQL | GCM57 | 0.24 | µg/L |
| <i>N</i> -Nitrosodi- <i>n</i> -propylamine | 621-64-7 | 34428 | TAL-FL | GM025 | 1.9–5.7 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.4 | " |
| <i>N</i> -Nitrosodiphenylamine | 86-30-6 | 34433 | TAL-FL | GM025 | 0.2–0.63 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.28 | " |

Appendix Table 1-1. Methods, reporting levels, and laboratories used for chemical analysis for the Deepwater Horizon oil spill, Gulf of Mexico, 2010: organic contaminants in water.—Continued

| Analyte | CASRN | Pcode | Laboratory | Method | Reporting level ¹ | Units |
|-------------------------------------|------------|-------|------------|--------|------------------------------|-------|
| <i>n</i> -Propylbenzene | 103-65-1 | 77224 | USGS NWQL | GCM66 | 0.036 | µg/L |
| <i>o</i> -Cresol | 95-48-7 | 77152 | TAL-FL | GM025 | 1.9–5.7 | µg/L |
| Oil and grease | na | 00552 | TAL-FL | GRV30 | 0.00018–2.1 | mg/L |
| Oil range organics (C28–C35) | na | 68082 | TAL-FL | GC158 | 40.0–50 | µg/L |
| Organics (C8–C36) | na | 68081 | TAL-FL | GC158 | 40.0–50 | µg/L |
| <i>o</i> -Xylene | 95-47-6 | 77135 | USGS NWQL | GCM66 | 0.032 | µg/L |
| Pentachlorophenol | 87-86-5 | 39032 | TAL-FL | GM025 | 2.7–8.3 | µg/L |
| " | " | " | USGS NWQL | GCM56 | 0.6 | " |
| Phenanthrene | 85-01-8 | 34461 | TAL-FL | GM025 | 0.15–0.46 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.32 | " |
| Phenol | 108-95-2 | 34694 | TAL-FL | GM025 | 1.3–4.0 | µg/L |
| " | " | " | USGS NWQL | GCM56 | 0.28 | " |
| Pyrene | 129-00-0 | 34469 | TAL-FL | GM025 | 0.16–0.49 | µg/L |
| " | " | " | USGS NWQL | GCM57 | 0.35 | " |
| <i>sec</i> -Butylbenzene | 135-98-8 | 77350 | USGS NWQL | GCM66 | 0.034 | µg/L |
| Styrene | 100-42-5 | 77128 | TAL-FL | GCM25 | 1.0 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.03–0.042 | " |
| <i>tert</i> -Butyl ethyl ether | 637-92-3 | 50004 | USGS NWQL | GCM66 | 0.032 | µg/L |
| <i>tert</i> -Butylbenzene | 98-06-6 | 77353 | USGS NWQL | GCM66 | 0.06 | µg/L |
| Tetrachloroethene | 127-18-4 | 34475 | TAL-FL | GCM25 | 0.5–0.58 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.026 | " |
| Tetrachloromethane | 56-23-5 | 32102 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.052–0.06 | " |
| Tetrahydrofuran | 109-99-9 | 81607 | USGS NWQL | GCM66 | 1.4 | µg/L |
| Toluene | 108-88-3 | 34010 | TAL-CO | GCM25 | 0.17 | µg/L |
| " | " | " | TAL-FL | GCM25 | 0.7 | " |
| " | " | " | USGS NWQL | GCM66 | 0.018 | " |
| <i>trans</i> -1,2-dichloroethene | 156-60-5 | 34546 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.018 | " |
| <i>trans</i> -1,3-dichloropropene | 10061-02-6 | 34699 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.14 | " |
| <i>trans</i> -1,4-Dichloro-2-butene | 110-57-6 | 73547 | USGS NWQL | GCM66 | 0.36 | µg/L |
| Tribromomethane | 75-25-2 | 32104 | TAL-FL | GCM25 | 0.58 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.1 | " |
| Trichloroethene | 79-01-6 | 39180 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.022 | " |

[Method codes are from the National Water Information System (NWIS) database, and are defined in Table 1-6. **Abbreviations:** CASRN, Chemical Abstracts Services Registry Number; na, not applicable; NWQL, National Water Quality Laboratory, Denver, Colorado; OCRL, Organic Carbon Research Laboratory, Boulder, Colorado; pcode, parameter code from the U.S. Geological Survey NWIS database; TAL-CO, TestAmerica Laboratory, Denver, Colorado; TAL-FL, TestAmerica Laboratory, Pensacola, Florida; USGS, U.S. Geological Survey; µg/L, microgram per liter; mg/L, milligram per liter; ", cell is identical to the cell immediately above]

Appendix Table 1-1. Methods, reporting levels, and laboratories used for chemical analysis for the Deepwater Horizon oil spill, Gulf of Mexico, 2010: organic contaminants in water.—Continued

[Method codes are from the National Water Information System (NWIS) database, and are defined in Table 1-6. **Abbreviations:** CASRN, Chemical Abstracts Services Registry Number; na, not applicable; NWQL, National Water Quality Laboratory, Denver, Colorado; OCRL, Organic Carbon Research Laboratory, Boulder, Colorado; pcode, parameter code from the U.S. Geological Survey NWIS database; TAL-CO, TestAmerica Laboratory, Denver, Colorado; TAL-FL, TestAmerica Laboratory, Pensacola, Florida; USGS, U.S. Geological Survey; µg/L, microgram per liter; mg/L, milligram per liter; ", cell is identical to the cell immediately above]

| Analyte | CASRN | Pcode | Laboratory | Method | Reporting level ¹ | Units |
|------------------------|-----------|-------|------------|--------|------------------------------|-------|
| Trichlorofluoromethane | 75-69-4 | 34488 | TAL-FL | GCM25 | 0.5–0.52 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.06–0.08 | " |
| Trichloromethane | 67-66-3 | 32106 | TAL-FL | GCM25 | 0.5–0.6 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.03 | " |
| Vinyl chloride | 75-01-4 | 39175 | TAL-FL | GCM25 | 0.5 | µg/L |
| " | " | " | USGS NWQL | GCM66 | 0.06 | " |
| Xylene (all isomers) | 1330-20-7 | 81551 | TAL-CO | GCM25 | 0.19 | µg/L |
| " | " | " | TAL-FL | GCM25 | 1.6 | " |

¹Range 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.