Table 4-1

Analytical Methods, Container, Preservation and Holding Times
BP Spill, Gulf Coast

Name	Analytical Methods	Matrix	Container	Preservation	Minimum Volume or Weight	Maximum Holding Time
VOCs	SW846 8260B	Water	Glass (Teflon-lined septum for water)	4°C, HCl to pH<2	4x40 ml vials	14 days (7 days if unpreserved by acid
SVOCs	SW846 8270C	Water	Amber Glass, (Teflon- lined for water)	4°C	2 x 1 L	7 days extract (water), 40 days analysis
Alkyl PAHs	ASTM D7363-07	Water	Amber Glass, (Teflon- lined for water)	4°C	2 x 1 L	7 days extract (water), 40 days analysis
TPH GRO	SW846 8015B	Water	Glass (Teflon-lined septum for water)	4°C, HCl to pH<2	4x40 ml vials	14 days (7 days if unpreserved by acid
TPH DRO and ORO	SW846 8015B	Water	Amber Glass, (Teflon- lined for water)	4°C	4x40 ml vials	7 days extract (water), 40 days analysis
Metals (including mercury) (total and dissolved)	SW846 6010B and SW846 7470A	Water	Polyethylene	HNO_3 to pH<2 4°C	500 mL	28 days for mercury and 180 days all other metals
Dispersant chemicals	Aqueous direct injection GC/MS	Water	Amber Glass, (Teflon- lined for water)	4°C	1 L	To Be Determined
COD	Standard Methods 410.3	Water	Glass	H2SO4, 4°C	50 ml	28 days
BOD	Standard Method 5210 B (5-day BOD Test)	Water	Glass	4°C	1 L	48 hours
DO, membrane probe[1] (or Winkler method)	EPA Method 360.1 (or 360.2)	Water	1 x 250 ml HDPE Bottle[3]	4°C	300 ml	Analysis in 4 to 8 hrs[2]
Total organic carbon (TOC)	SW-846 Method 9060/SM5310	Water	Glass	4°C, HCl to pH<2, protected from sunlight	1 L	