

R/V OCEANUS Cruise 20

Water Samples for Oil Analyses

	<u>Depth of Sample^a</u>	<u>Water Depth</u>	<u>Extracted Sea Water Volume</u>	<u>Notes^b</u>
<u>Station 1</u>				
Surface-Total	0 meters	21.5 meters	3625 ml	4.
Surface-Filtered	0 "		Saved for extraction effic. test	2.
Mid-Depth-Total	10 "		3625 ml	4.
Mid-Depth-Filtered	10 "		2410 ml	4.
Bottom-Total	21.5 "		Saved for extraction effic. test	
Bottom-Filtered	21.5 "		2675 ml	4.
<u>Station 2</u>				
Surface-Total	0 meters	28 meters	3000 ml	4.,5.
Surface-Filtered	0 "		2882 ml	4.
Mid-Depth-Total	10 "		3360 ml	4.
Mid-Depth-Filtered	10 "		3077 ml	4.
Bottom-Total	26 "		3760 ml	4.
Bottom-Filtered	26 "		2655 ml	4.
<u>Station 3</u>				
Surface-Total	0 meters	38 meters	3438 ml	4.
Mid-Depth-Total	25 "		3170 ml	4.
Bottom-Total	37 "		3420 ml	4.
<u>Station 4</u>				
Surface-Total	0 meters		3500 ml	4.
Mid-Depth-Total	20 "		3865 ml	4.
Bottom-Total	44 "		3550 ml	4.
Bottom-Filtered	44 "		3045 ml	4.

cont'd....

Station 5

Surface	Sample missed due to G/O bottle pre-trip			
Mid-Depth-Total	40 meters		2965 ml	4.
Bottom-Total	65 "		3600 ml	4.

Station 6

Surface-Total	0 meters	85 meters	3525 ml	4.
Mid-Depth-Total	60 "		3220 ml	4.
Mid-Depth-Filtered	60 "		3160 ml	4.
Bottom-Total	84 "		3635 ml	4.
Bottom-Filtered	84 "		3135 ml	4.

Station 13

Surface-Total	0 meters	40 meters	3015 ml	4.
Mid-Depth-Total	20 "		2975 ml	4.
Bottom-Total	40 "		3350 ml	4.

Station 14

Surface-Total	0 meters	42 meters	Saved for
Surface-Filtered	0 "		extraction
Mid-Depth-Total	20 "		effic. test
Bottom-Total	40 "		
Bottom-Filtered	40 "		↓

Blank #1

100 ml CH_2Cl_2 rinse of gallon jug after use for surface sample
OCEANUS 20/1 surface total.

Key to Water Sample Notes

- a. See U.S.G.S. sampling log sheet typed by U.S.G.S. and attached. Discrepancies in depth due to wire angle which can be corrected for by calculations using rosette-transmissometer at U.S.G.S., Woods Hole, Massachusetts.
- b.
 1. Stored in 16 oz. glass mason jars
 2. Stored as water sample over CH_2Cl_2 in one-gallon brown glass bottle and saved for extraction efficiency test
 3. Stored in 32 oz. glass mason jars
 4. Stored in 8 oz. glass jars
 5. Surface sample had suspended particulates visible in it as fine dispersion even after shaking with CH_2Cl_2 and settling time of 30 minutes.