

Table 2-3 – Test Methods for Water (High Resolution)
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

<i>Target analyte</i>	<i>Ocean water project decision limit</i>	<i>PORL</i>	<i>Laboratory EDL</i>	<i>Laboratory LOQ</i>	<i>Congener co-elutes</i>
<i>EPA Method 1699: DDTs by HRGC/HRMS</i>					
p,p'-DDT	0.22	0.1	2.5:1 s/n	0.09	NA
o,p'-DDT	NS	0.1	2.5:1 s/n	0.09	NA
p,p'-DDE	0.22	0.1	2.5:1 s/n	0.09	NA
o,p'-DDE	NS	0.1	2.5:1 s/n	0.09	NA
p,p'-DDD	0.31	0.1	2.5:1 s/n	0.09	NA
o,p'-DDD	NS	0.1	2.5:1 s/n	0.09	NA
p,p'-DDMU	NS	1	2.5:1 s/n	0.1	NA
p,p'-DDNU	NS	1	2.5:1 s/n	0.1	NA
<i>EPA Method 1668C: PCBs by HRGC/HRMS (listed by congener number)</i>					
8	NS	0.01	2.5:1 s/n	0.005	
18	NS	0.01	2.5:1 s/n	0.003	30
28	NS	0.01	2.5:1 s/n	0.001	20
31	NS	0.01	2.5:1 s/n	0.001	
37	NS	0.01	2.5:1 s/n	0.001	
44	NS	0.01	2.5:1 s/n	0.002	47/65
49	NS	0.01	2.5:1 s/n	0.001	69
52	NS	0.01	2.5:1 s/n	0.001	
66	NS	0.01	2.5:1 s/n	0.001	
70 & 74	NS	0.01	2.5:1 s/n	0.005	61/76
77	NS	0.01	2.5:1 s/n	0.001	
81	NS	0.01	2.5:1 s/n	0.001	
87 & 119	NS	0.01	2.5:1 s/n	0.005	86/97/109/125
99	NS	0.01	2.5:1 s/n	0.001	83
101	NS	0.01	2.5:1 s/n	0.001	90/113
105	NS	0.01	2.5:1 s/n	0.001	
110	NS	0.01	2.5:1 s/n	0.005	85/115/116/117
114	NS	0.01	2.5:1 s/n	0.001	
118	NS	0.01	2.5:1 s/n	0.001	
123	NS	0.01	2.5:1 s/n	0.001	
126	NS	0.01	2.5:1 s/n	0.001	
128	NS	0.01	2.5:1 s/n	0.001	166
138	NS	0.01	2.5:1 s/n	0.002	129/163
149	NS	0.01	2.5:1 s/n	0.001	147
151	NS	0.01	2.5:1 s/n	0.001	135
153 & 168	NS	0.01	2.5:1 s/n	0.005	
156 & 157	NS	0.01	2.5:1 s/n	0.005	
158	NS	0.01	2.5:1 s/n	0.001	
167	NS	0.01	2.5:1 s/n	0.001	
169	NS	0.01	2.5:1 s/n	0.001	
170	NS	0.01	2.5:1 s/n	0.001	

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177	NS	0.01	2.5:1 s/n	0.001	193
180	NS	0.01	2.5:1 s/n	0.001	
183	NS	0.01	2.5:1 s/n	0.001	
187	NS	0.01	2.5:1 s/n	0.001	
189	NS	0.01	2.5:1 s/n	0.001	
194	NS	0.01	2.5:1 s/n	0.001	
195	NS	0.01	2.5:1 s/n	0.001	
201	NS	0.01	2.5:1 s/n	0.001	
203	NS	0.01	2.5:1 s/n	0.001	
206	NS	0.01	2.5:1 s/n	0.001	
209	NS	0.01	2.5:1 s/n	0.005	

Abbreviations

AWQC – Ambient water quality criteria	NA – Not applicable
CAS – Chemical Abstracts Society	NS – No standard available
EDL – Estimated detection limit	PCBs – Polychlorinated biphenyls
HRGC – High resolution gas chromatography	PORL – Project objective reporting limit
HRMS – High resolution mass spectrometry	s/n – Signal-to-noise ratio
LOQ – Limit of quantitation	

Notes

1. Concentration units (for project decision limits, LOQs, and PORLs) are nanograms per liter (ng/L).
2. Explanations for EDLs, LOQs, and PORLs were presented in the *Final Quality Assurance Project Plan – Water Sampling, Remedial Action – Monitored Natural Recovery Component, Palos Verdes Shelf, Los Angeles County, California* (Gilbane Federal, 2014).
3. PCB congeners 77, 81, 105, 114, 118, 123, 126, 156, 157, 167, 169, and 189 are dioxin-like congeners (WHO, 2006).