

Table 2-4 –Test Methods for Water (PSDs)
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

<i>Analytical group</i>	<i>Analyte</i>	<i>CAS number</i>	<i>Project objective QL⁽¹⁾ (ng/L)</i>	<i>SPME Achievable QL⁽²⁾ (ng/L)</i>	<i>PED Achievable QL^(2,3) (ng/L)</i>
SCCWRP SOPs Chapter 27 and 35 – GC/MS SIM					
DDTs	<i>p,p'</i> -DDT	50-29-3	NE	0.20	--
	<i>o,p'</i> -DDT	789-02-6	NE	0.074	--
	<i>p,p'</i> -DDE	72-54-8	NE	0.022	0.0068
	<i>o,p'</i> -DDE	53-19-0	NE	0.011	0.0063
	<i>p,p'</i> -DDD	72-55-9	NE	0.14	0.013
	<i>o,p'</i> -DDD	3424-82-6	NE	0.038	0.0081
	<i>p,p'</i> -DDMU	1022-22-6	NE	0.022	0.013
	<i>p,p'</i> -DDNU	2642-81-1	NE	0.019	0.022
PCBs (by congener)	8	34883-43-7	NE	0.11	0.0057
	18	37680-65-2	NE	0.037	0.0053
	28	7012-37-5	NE	0.027	0.0016
	37	38444-90-5	NE	0.035	0.0012
	44	41464-39-5	NE	0.018	0.0020
	49	41464-40-8	NE	0.014	0.0014
	52	35693-99-3	NE	0.015	0.0014
	66	32598-10-0	NE	0.012	0.00054
	70	32598-11-1	NE	0.012	0.00054
	74	32690-93-0	NE	0.013	0.00055
	77	32598-13-3	NE	0.014	0.00055
	81	70362-50-4	NE	0.014	0.00046
	87	38380-02-8	NE	0.016	0.0011
	99	38380-01-7	NE	0.014	0.00073
	101	37680-73-2	NE	0.012	0.00073
	105	32598-14-4	NE	0.0094	0.00047
	110	38380-03-9	NE	0.0099	0.00058
	114	74472-37-0	NE	0.011	0.00040
	118	31508-00-6	NE	0.011	0.00035
	119	56558-17-9	NE	0.011	0.00040
	123	65510-44-3	NE	0.011	0.00034
	126	57465-28-8	NE	0.057	0.00031
	128	38380-07-3	NE	0.022	0.0014
	138	35065-28-2	NE	0.020	0.00030
	149	38380-04-0	NE	0.016	0.0013
	151	52663-63-5	NE	0.0095	0.0013
	153/168	35065-27-1/59291-65-5	NE	0.011	0.00066
	156	38380-08-4	NE	0.080	0.00041
	157	69782-90-7	NE	0.025	0.00044
	158	74472-42-7	NE	0.015	0.00050
	167	52663-72-6	NE	0.026	0.00031

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PCBs (continued)	169	32774-16-6	NE	0.038	0.00022
	170	35065-30-6	NE	0.091	0.00056
	177	52663-70-4	NE	0.058	0.00091
	180	35065-29-3	NE	0.069	0.00047
	183	52663-69-1	NE	0.052	0.00064
	187	52663-68-0	NE	0.013	0.00064
	189	39635-32-9	NE	0.082	0.00013
	194	35694-08-7	NE	0.17	0.00026
	200	52663-73-7	NE	0.022	0.00071
	201	40186-71-8	NE	0.20	0.00049
	206	40186-72-9	NE	0.23	0.00015
	209	2051-24-3	NE	0.0068	0.00017

Abbreviations

CAS	-	Chemical Abstracts Service
DDTs	-	dichlorodiphenyltrichloroethane and its byproducts
GC/MS	-	gas chromatography/mass spectrometry
MNR	-	monitored natural recovery
NA	-	not applicable
NE	-	not established
ng/L	-	nanograms per liter
OU	-	Operable Unit
PCBs	-	polychlorinated biphenyls
PED	-	polyethylene device
PSD	-	passive sampling device
QL	-	quantitation limit
SCCWRP	-	Southern California Coastal Water Research Project
SIM	-	selective ion monitoring
SOP	-	standard operating procedure
SPME	-	solid-phase microextraction

Footnotes

- ⁽¹⁾ The PSD QAPP did not specify project quantitation limits for the analytical laboratory.
- ⁽²⁾ Achievable QLs are the laboratory reporting limits for a specific analytical method.
- ⁽³⁾ A conservative QL is presented using the maximum sample-specific reporting limit calculated for PEDs based on the observed fraction of equilibrium between sampler and water at a representative station.