

Table 2-1 – Test Methods for Sediment (Chemistry)
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⁾ (ug/kg)</i>	<i>Achievable QL⁽²⁾ (ug/kg)</i>
<i>EPA Method 8270C or 8270SIM: SVOCs by GC/MS</i>				
<i>DDTs</i>	<i>p,p'</i> -DDT	50-29-3	5	2.5
	<i>o,p'</i> -DDT	789-02-6	5	2.5
	<i>p,p'</i> -DDE	72-54-8	5	2.5
	<i>o,p'</i> -DDE	53-19-0	5	2.5
	<i>p,p'</i> -DDD	72-55-9	5	2.5
	<i>o,p'</i> -DDD	3424-82-6	5	2.5
	<i>p,p'</i> -DDMU	1022-22-6	5	2.5
	<i>p,p'</i> -DDNU	2642-81-1	5	2.5
<i>PCBs (by congener)</i>	8	34883-43-7	5	2.5
	18	37680-65-2	5	2.5
	28	7012-37-5	5	2.5
	31 ⁽³⁾	16606-02-3	5	2.5
	37 ⁽³⁾	38444-90-5	5	2.5
	44	41464-39-5	5	2.5
	49 ⁽³⁾	41464-40-8	5	2.5
	52	35693-99-3	5	2.5
	66	32598-10-0	5	2.5
	70 ⁽³⁾	32598-11-1	5	2.5
	74 ⁽³⁾	32690-93-0	5	2.5
	77	32598-13-3	5	2.5
	81	70362-50-4	5	2.5
	87 ⁽³⁾	38380-02-8	5	2.5
	99 ⁽³⁾	38380-01-7	5	2.5
	101	37680-73-2	5	2.5
	105	32598-14-4	5	2.5
	110 ⁽³⁾	38380-03-9	5	2.5
	114	74472-37-0	5	2.5
	118	31508-00-6	5	2.5
	119 ⁽³⁾	56558-17-9	5	2.5
	123	65510-44-3	5	2.5
	126	57465-28-8	5	2.5
	128	38380-07-3	5	2.5
	138	35065-28-2	5	2.5
	149 ⁽³⁾	38380-04-0	5	2.5
	151 ⁽³⁾	52663-63-5	5	2.5
	153	35065-27-1	5	2.5
	156	38380-08-4	5	2.5
	157	69782-90-7	5	2.5

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PCBs (continued)				
	158 ⁽³⁾	74472-42-7	5	2.5
	167	52663-72-6	5	2.5
	168 ⁽³⁾	59291-65-5	5	2.5
	169	32774-16-6	5	2.5
	170	35065-30-6	5	2.5
	177 ⁽³⁾	52663-70-4	5	2.5
	180	35065-29-3	5	2.5
	183 ⁽³⁾	52663-69-1	5	2.5
	187	52663-68-0	5	2.5
	189	39635-32-9	5	2.5
	194 ⁽³⁾	35694-08-7	5	2.5
	195	52663-78-2	5	2.5
	201 ⁽³⁾	40186-71-8	5	2.5
	203 ⁽³⁾	52663-76-0	5	2.5
	206	40186-72-9	5	2.5
	209	2051-24-3	5	2.5
EPA Method 9060				
TOC	Total Organic Carbon	NA	0.1%	0.05%

Abbreviations

CAS	- Chemical Abstracts Service	PCBs	- Polychlorinated biphenyls
DDTs	- dichlorodiphenyltrichloroethane	QL	- Quantitation limit
GC/MS	- Gas chromatography/mass spectrometry	SIM	- Selective ion monitoring
MNR	- Monitored natural recovery	SVOCs	- Semivolatile organic compounds
NA	- Not applicable	TOC	- Total organic carbon
OU	- Operable Unit	ug/kg	- Micrograms per kilogram

Footnotes

- ⁽¹⁾ Sediment interim cleanup levels of 230 ug/kg DDT @ 1% TOC and 70 ug/kg PCBs @ 1% TOC have been set for the project (EPA, 2009b). However, because the data collected during the remedial action will be used in evaluating MNR, project objectives have been set much lower.
- ⁽²⁾ Achievable QLs are the laboratory reporting limits for a specific analytical method.
- ⁽³⁾ PCBs are listed by congener. Additional congeners were analyzed for the 2013 sediment program as compared to the 2009 sediment program in order to standardize the congener list to that of the water and fish programs.