

Table 3.1. Constituents to be analyzed for sediment chemistry determination within the CASQO framework and their corresponding recommended maximum reporting limits (RLs).

Target Analyte	Maximum RL
Metals	
Cadmium (mg/kg)	0.09
Copper (mg/kg)	52.8
Lead (mg/kg)	25.0
Mercury (mg/kg)	0.09
Zinc (mg/kg)	60.0
Polycyclic Aromatic Hydrocarbons (PAHs)	
<i>Low Molecular Weight PAHs:</i>	
Acenaphthene (µg/kg)	20.0
Anthracene (µg/kg)	20.0
Phenanthrene (µg/kg)	20.0
Biphenyl (µg/kg)	20.0
Naphthalene (µg/kg)	20.0
2,6-dimethylnaphthalene (µg/kg)	20.0
Fluorene (µg/kg)	20.0
1-methylnaphthalene (µg/kg)	20.0
2-methylnaphthalene (µg/kg)	20.0
1-methylphenanthrene (µg/kg)	20.0
<i>High Molecular Weight PAHs</i>	
Benzo(a)anthracene (µg/kg)	80.0
Benzo(a)pyrene (µg/kg)	80.0
Benzo(e)pyrene (µg/kg)	80.0
Chrysene (µg/kg)	80.0
Dibenz(a,h)anthracene (µg/kg)	80.0
Fluoranthene (µg/kg)	80.0
Perylene (µg/kg)	80.0
Pyrene (µg/kg)	80.0

Table 3.1. (continued).

Target Analyte	Maximum RL
Organochlorine Pesticides	
Alpha Chlordane (µg/kg)	0.50
Gamma Chlordane (µg/kg)	0.54
Trans Nonachlor (µg/kg)	4.6
Dieldrin (µg/kg)	2.5
o,p'-DDE (µg/kg)	0.50
p,p'-DDE (µg/kg)	0.50
o,p'-DDD (µg/kg)	0.50
p,p'-DDD (µg/kg)	0.50
o,p'-DDT (µg/kg)	0.50
p,p'-DDT (µg/kg)	0.50
Polychlorinated Biphenyls (congener number)	
2,4'-Dichlorobiphenyl (µg/kg) (8)	3.0
2,2',5'-Trichlorobiphenyl (µg/kg) (18)	3.0
2,4,4'-Trichlorobiphenyl (µg/kg) (28)	3.0
2,2',3,5'-Tetrachlorobiphenyl (µg/kg) (44)	3.0
2,2',5,5'-Tetrachlorobiphenyl (µg/kg) (52)	3.0
2,3',4,4'-Tetrachlorobiphenyl (µg/kg) (66)	3.0
2,2',4,5,5'-Pentachlorobiphenyl (µg/kg) (101)	3.0
2,3,3',4,4'-Pentachlorobiphenyl (µg/kg) (105)	3.0
2,3,3',4',6-Pentachlorobiphenyl (µg/kg) (110)	3.0
2,3',4,4',5-Pentachlorobiphenyl (µg/kg) (118)	3.0
2,2',3,3',4,4'-Hexachlorobiphenyl (µg/kg) (128)	3.0
2,2',3,4,4',5'-Hexachlorobiphenyl (µg/kg) (138)	3.0
2,2',4,4',5,5'-Hexachlorobiphenyl (µg/kg) (153)	3.0
2,2',3,4,4',5,5'-Heptachlorobiphenyl (µg/kg) (180)	3.0
2,2',3,4',5,5',6-Heptachlorobiphenyl (µg/kg) (187)	3.0
2,2',3,3',4,4',5,6-Octachlorobiphenyl (µg/kg) (195)	3.0