

Evaluation of RMP Organic Contaminants							
Analyte	Matrix	Cost/sample	Frequency	Regulatory Concern?	Trend indicator	Lessons learned	Recommendation
Polychlorinated biphenyls							
	Water	500	Annual	WQO for PCBs; however, total PCBs general exceed CTR	No	Based on review of water column data for historic sites, concentrations in the water column are generally constant over time. Data not of much value in synthesis report.	Reduce frequency based on RWQCB input.
	Sediment	600	Annual	Not main focus. TMDL target of 2.5 ug/kg	Can be	Indicates hot spots (spatial variation). Total concentrations of PCBs (2004-2005) in 4 of 5 segments are significant above TMDL threshold (Suisun is below). Still characterizing spatial distribution in the Bay (need to do evaluation of power related to spatial characterization).	Biennial
	Bivalves	500	Biennial	Not main focus. No target.	Yes	Very good trend indicator	Biennial.
Polyaromatic hydrocarbons							
	Water	500	Annual	CTR human health for ten individual PAHs and Basin plan criteria (total)	No	Concentrations in the Bay substantially below CTR and Basin Plan (e.g., total PAH 15,000,000 pg/L plan vs concentrations observed ~ 100,000 pg/L). Hydrophobic so less likely to be a concern in water.	Reduce frequency?
	Sediment	400	Annual	No standard; however, concentrations may exceed recent NOAA effects thresholds (1,000 ng/g, 247 sediment samples of 470 total collected exceed this threshold).	Can be	Indicator of hot spots. Most of Bay samples are below the ERL of 4,022 ng/g. May be important to continue to measure in light of new scientific data.	Biennial
	Bivalves	700	Biennial		Yes		Biennial
Polybrominated diphenyl ethers							
	Water	800	Annual	No criteria; however a concern	No	Insufficient data is available. Just beginning to report robust data.	Monitor annual
	Sediment	600	Annual	No criteria; however a concern		Insufficient data is available. Just beginning to report robust data.	Biennial
	Bivalves	500	Biennial	No criteria; however a concern	Yes	PBDE congener 47 is showing a decline based on 4 years of data. Additional monitoring is need to determine if this is a trend and if it is true for all biologically relevant congeners	Biennial
Pesticides							
	Water	700	Annual	WQO. 5 to 20 % exceedance of CTR over 10 yr period. Legacy pesticides not very water soluble.	No		Reduce frequency - RWQCB input?
	Sediment	600	Annual	No threshold/target	Can be	97 to 99 % mass of pesticides associated with sediment. Median fish values are well below screening value.	Consider reduced frequency - less important for LPs than PCBs
	Bivalves	500	Biennial	Values detected generally below screening value (700 ng/g)	Yes		Biennial - Good to track downward trajectory in bivalves.