

**Common Grounds Data Quality Standards**

<b>AnalyteName</b>	<b>StandardName</b>	<b>Value</b>	<b>Unit</b>	<b>Monitoring Guideline</b>
Arsenic	Sediment	70	mg/kg	Long, et al. 1995
Cadmium	Sediment	10	mg/kg	Long, et al. 1995
Chromium	Sediment	370	mg/kg	Long, et al. 1995
Copper	Sediment	270	mg/kg	Long, et al. 1995
Lead	Sediment	218	mg/kg	Long, et al. 1995
Mercury	Sediment	1	mg/kg	Long, et al. 1995
Nickel	Sediment	52	mg/kg	Long, et al. 1995
Silver	Sediment	4	mg/kg	Long, et al. 1995
Zinc	Sediment	410	mg/kg	Long, et al. 1995
Total PCBs	Sediment	180	µg/kg	Long, et al. 1995
Chlordane	Sediment	6	µg/kg	Long, et al. 1995
Dieldrin	Sediment	8	µg/kg	Long, et al. 1995
p,p'-DDD	Sediment	20	µg/kg	Long, et al. 1995
p,p'-DDE	Sediment	27	µg/kg	Long, et al. 1995
p,p'-DDT	Sediment	7	µg/kg	Long, et al. 1995
Total DDT	Sediment	46	µg/kg	Long, et al. 1995
Lindane	Sediment		µg/kg	Long, et al. 1995
Bis(2-ethylhexyl)phthalate	Sediment		µg/kg	Long, et al. 1995
Acenaphthene	Sediment	500	µg/kg	Long, et al. 1995
Acenaphthylene	Sediment	640	µg/kg	Long, et al. 1995
Anthracene	Sediment	1100	µg/kg	Long, et al. 1995
Fluorene	Sediment	540	µg/kg	Long, et al. 1995
Napthalene	Sediment	2100	µg/kg	Long, et al. 1995
2-Methylnapthalene	Sediment	670	µg/kg	Long, et al. 1995
Phenanthrene	Sediment	1500	µg/kg	Long, et al. 1995
Total LMW PAHs	Sediment	3160	µg/kg	Long, et al. 1995
Benz(a)anthracene	Sediment	1600	µg/kg	Long, et al. 1995
Benzo(a)pyrene	Sediment	1600	µg/kg	Long, et al. 1995
Chrysene	Sediment	2800	µg/kg	Long, et al. 1995
Dibenz(a,h)anthracene	Sediment	260	µg/kg	Long, et al. 1995
Flouranthene	Sediment	5100	µg/kg	Long, et al. 1995
Pyrene	Sediment	2600	µg/kg	Long, et al. 1995
Total HMW PAHs	Sediment	9600	µg/kg	Long, et al. 1995
Total PAHs	Sediment	44792	µg/kg	Long, et al. 1995
Electrical Conductivity	Stormwater		umhos/cm	
Oil And Grease	Stormwater	15	mg/L	USEPA Multi-Sector General Permit
pH	Stormwater	6.5-8.5	pH Units	Basin Plan
Enterococci	Stormwater		MPN/100 mL	
Fecal Coliform	Stormwater	400	MPN/100 mL	Basin Plan
Total Coliform	Stormwater		MPN/100 mL	
Ammonia As N	Stormwater		mg/L	
Un-ionized Ammonia as N	Stormwater	25 (a)	µg/L	Basin Plan
Biological Oxygen Demand	Stormwater	30	mg/L	USEPA Multi-Sector General Permit
Chemical Oxygen Demand	Stormwater	120	mg/L	USEPA Multi-Sector General Permit
Dissolved Organic Carbon	Stormwater		mg/L	
Dissolved Phosphorus	Stormwater	2	mg/L	USEPA Multi-Sector General Permit
Nitrate As N	Stormwater	10	mg/L	Basin Plan
Nitrite As N	Stormwater	1	mg/L	Basin Plan
Surfactants (MBAS)	Stormwater	0.5	mg/L	Basin Plan
Total Dissolved Solids	Stormwater	1500	mg/L	Basin Plan by watershed
Total Kjeldahl Nitrogen	Stormwater		mg/L	
Total Organic Carbon	Stormwater		mg/L	
Total Phosphorus	Stormwater	2	mg/L	USEPA Multi-Sector General Permit
Total Suspended Solids	Stormwater	100	mg/L	USEPA Multi-Sector General Permit
Turbidity	Stormwater	20	NTU	Basin Plan
Chlorpyrifos	Stormwater	0.02	µg/L	CA Dept. of Fish & Game
Diazinon	Stormwater	0.08	µg/L	CA Dept. of Fish & Game
Malathion	Stormwater	0.43	µg/L	CA Dept. of Fish & Game
Total Hardness	Stormwater		mg CaCO3/L	

### Common Grounds Data Quality Standards

AnalyteName	StandardName	Value	Unit	Monitoring Guideline
Antimony	Stormwater	0.006	mg/L	Basin Plan
Arsenic	Stormwater	0.34/0.05	mg/L	40 CFR 131/ Basin Plan
Cadmium	Stormwater	(b)	mg/L	40 CFR 131
Chromium	Stormwater	(b)	mg/L	CTR (Cr VI)
Copper	Stormwater	(b)	mg/L	40 CFR 131
Lead	Stormwater	(b)	mg/L	40 CFR 131
Nickel	Stormwater	(b)/0.1	mg/L	40 CFR 131/ Basin Plan
Selenium	Stormwater	0.02	mg/L	40 CFR 131
Zinc	Stormwater	(b)	mg/L	40 CFR 131
Antimony	Stormwater	(e)	mg/L	40 CFR 131
Arsenic	Stormwater	0.34 (c)	mg/L	40 CFR 131
Cadmium	Stormwater	(b)	mg/L	40 CFR 131
Chromium	Stormwater	(b)	mg/L	40 CFR 131
Copper	Stormwater	(b)	mg/L	40 CFR 131
Lead	Stormwater	(b)	mg/L	40 CFR 131
Nickel	Stormwater	(b)	mg/L	40 CFR 131
Selenium	Stormwater	0.02 (d)	mg/L	40 CFR 131
Zinc	Stormwater	(b)	mg/L	40 CFR 131
Total Coliform	Surface Water	50000	MPN/100 mL	40 CFR 131
Fecal Coliform	Surface Water	20000	MPN/100 mL	40 CFR 131
Diazinon	Surface Water	0.50	µg/L	40 CFR 131
Chlorpyrifos	Surface Water	0.50	µg/L	40 CFR 131
Oil And Grease	Surface Water	15.00	mg/L	40 CFR 131
Surfactants (MBAS)	Surface Water	1.00	mg/L	40 CFR 131
Total Phosphorus	Surface Water	2.00	mg/L	40 CFR 131
Ph	Surface Water	6.50	pH Units	40 CFR 131
Ammonia As N	Surface Water	1.00	mg/L	40 CFR 131
Nitrate as N	Surface Water	10.00	mg/L	40 CFR 131

(a) Un-ionized Ammonia is a calculated value, non-detectable values calculated at the detection limit. Basin Plan WQO is 0.025 mg/L; values shown here have been converted to µg/L.

(b) Water Quality Objective for dissolved metal fractions are based on total hardness and are calculated as described by the USEPA Federal Register Doc. 40 CFR Part 131, May 18, 2000.

(c) Water Quality Objectives for dissolved metal fractions are based on water effects ratios (WER) and are calculated as described by the USEPA Federal Register Doc. 40 CFR Part 131, May 18, 2000.

(d) Water Quality Objective is based on the total recoverable form as described by the USEPA Federal Register Doc. 40 CFR Part 131, May 18, 2000.

(e) USEPA has not published an aquatic life criterion value.

\* Indicates detection limit exceeds water quality objective.

#### Sources

USEPA National Pollutant Discharge Elimination System (NPDES) Storm Water Multi-Sector General Permit for Industrial Activities, 65 Federal Register (FR) 64746, Final Reissuance, October 30, 2000. Table 3 - Parameter benchmark values.

Siepmann and Finlayson 2000.

Basin Plan, September 8, 1994.

Assembly Bill 411 - Title 17 of the California Code of Regulations, Section 7958.

USEPA Federal Register Document 40 CFR Part 131, May 18, 2000.

Long, E.R., D.D. MacDonald, S.L. Smith, and F.D. Calder. 1995. Incidence of adverse biological effects within ranges of chemical concentrations in marine and estuarine sediments. *Environmental Management* 19:81-97.