

Ambient Surface Water Quality Monitoring Network
Parameter List; 2017-2019

PARAMETER	UNITS	SAMPLE FREQUENCY	ANALYTICAL METHOD
FIELD/ANALYZE IMMEDIATELY PARAMETERS			
Barometric Pressure	mm Hg	4 times per year	Field Measurement
Discharge/stream flow	cu.ft/sec	4 times per year	Field Measurement
Gage Height	ft	4 times per year	Manual/Visual
Oxygen, Dissolved	mg/L	4 times per year	SESDPROC-106-R3
Oxygen, Dissolved, in percent of saturation	% sat	4 times per year	SESDPROC-106-R3
pH	SU	4 times per year	Standard Methods 4500-H
Specific Conductance	us/cm	4 times per year	Standard Methods 2510-B
Temperature, Air	°C	4 times per year	Field Measurement
Temperature, Water	°C	4 times per year	Standard Methods 2550-B
Turbidity	NTRU	4 times per year	Standard Methods 2130-B
CONVENTIONAL/NUTRIENT PARAMETERS			
Alkalinity	mg/L	4 times per year	TT040
Ammonia (Dissolved) (NH3)	mg/L	4 times per year	Standard Methods 4500-NH3(H)
Calcium	mg/L	4 times per year	PLA11
Chloride	mg/L	4 times per year	IC022
Fluoride	mg/L	4 times per year	IC003
Inorganic carbon	mg/L	4 times per year	00127
Nitrite plus Nitrate (NO2-NO3) (Dissolved)	mg/l	4 times per year	Standard Methods 4500-NO3(F)
Magnesium	mg/L	4 times per year	PLA11
Nitrogen, ammonia + organic nitrogen	mg/L	4 times per year	KJ003
Organic carbon (dissolved) (DOC)	mg/L	4 times per year	OX008
Organic carbon (suspended sediment)	mg/L	4 times per year	CAL06
Phosphorus (dissolved)	mg/L	4 times per year	CL019
Phosphorus (total)	mg/L	4 times per year	CL021
Potassium	mg/L	4 times per year	PLO03
Silica	mg/L	4 times per year	CL151
Sodium	mg/L	4 times per year	PLA11
Sulfate	mg/L	4 times per year	IC022
Total Dissolved Solids (TDS)	mg/L	4 times per year	ROE10
Total Particulate Carbon (TPC)	mg/L	4 times per year	COMB6
Total Particulate Nitrogen (TPN)	mg/L	4 times per year	COMB7
Total Suspended Solids TSS	mg/L	4 times per year	Standard Methods 2540-F
Ultraviolet absorbing organic constituents - 254 nm	u/cm	4 times per year	UV005
Ultraviolet absorbing organic constituents - 280 nm	u/cm	4 times per year	UV007
METALS PARAMETERS			
Arsenic, dissolved	ug/L	2 times per year	PLM10
Arsenic, total recoverable	ug/L	2 times per year	PLM11
Barium	ug/L	2 times per year	PLA15

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Beryllium	ug/L	2 times per year	PLM47
Boron	ug/L	2 times per year	PLM47
Cadmium	ug/L	2 times per year	PLM47
Chromium	ug/L	2 times per year	PLM11
Copper	ug/L	2 times per year	PLM11
Hexavalent chromium (dissolved)	ug/L	2 times per year	USEPA 218.6
Iron	ug/L	2 times per year	PLA15
Lead	ug/L	2 times per year	PLM48
Manganese	ug/L	2 times per year	PLA15
Mercury, low-level	ng/L	2 times per year	1631E
Nickel	ug/L	2 times per year	PLM11
Selenium	ug/L	2 times per year	PLM11
Silver	ug/L	2 times per year	PLM48
Zinc	ug/L	2 times per year	PLM11
PESTICIDE PARAMETERS			
1-Naphthol	ug/L	once a year	GCM39
2,6-Diethylaniline	ug/L	once a year	GCM35
2-Chloro-2,6-diethylacetanilide	ug/L	once a year	GCM39
2-Chloro-4-isopropylamino-6-amino-s-triazine {CIAT}	ug/L	once a year	GCM35
2-Ethyl-6-methylaniline	ug/L	once a year	GCM39
3,4-Dichloroaniline	ug/L	once a year	GCM39
3,5-Dichloroaniline	ug/L	once a year	GCM39
4-Chloro-2-methylphenol	ug/L	once a year	GCM39
Acetochlor	ug/L	once a year	GCM33
Alachlor	ug/L	once a year	GCM35
alpha-Endosulfan	ug/L	once a year	GCM39
alpha-HCH-d6 (surrogate)	pct	once a year	GCM32
Atrazine	ug/L	once a year	GCM35
Azinphos-methyl	ug/L	once a year	GCM35
Azinphos-methyl oxon	ug/L	once a year	GCM39
Benfluralin	ug/L	once a year	GCM35
Carbaryl	ug/L	once a year	GCM35
Carbofuran	ug/L	once a year	GCM35
Chlorpyrifos	ug/L	once a year	GCM35
Chlorpyrifos, oxygen analog	ug/L	once a year	GCM39
cis-Permethrin	ug/L	once a year	GCM35
cis-Propiconazole	ug/L	once a year	GCM40
Cyanazine	ug/L	once a year	GCM35
Cyfluthrin	ug/L	once a year	GCM39
Cypermethrin	ug/L	once a year	GCM39

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Dacthal	ug/L	once a year	GCM35
Desulfinylfipronil	ug/L	once a year	GCM29
Desulfinylfipronil amide	ug/L	once a year	GCM29
Diazinon	ug/L	once a year	GCM35
Diazinon, oxygen analog	ug/L	once a year	GCM14
Diazinon-d10 (surrogate)	pct	once a year	GCM32
Dichlorvos	ug/L	once a year	GCM39
Dicrotophos	ug/L	once a year	GCM39
Dieldrin	ug/L	once a year	GCM35
Dimethoate	ug/L	once a year	GCM40
Disulfoton	ug/L	once a year	GCM35
Disulfoton sulfone	ug/L	once a year	GCM39
Endosulfan sulfate	ug/L	once a year	GCM39
EPTC	ug/L	once a year	GCM35
Ethion	ug/L	once a year	GCM40
Ethion monoxon	ug/L	once a year	GCM39
Ethoprophos	ug/L	once a year	GCM35
Fenamiphos	ug/L	once a year	GCM39
Fenamiphos sulfone	ug/L	once a year	GCM39
Fenamiphos sulfoxide	ug/L	once a year	GCM39
Fipronil	ug/L	once a year	GCM29
Fipronil sulfide	ug/L	once a year	GCM29
Fipronil sulfone	ug/L	once a year	GCM29
Fonofos	ug/L	once a year	GCM35
Hexazinone	ug/L	once a year	GCM39
Iprodione	ug/L	once a year	GCM39
Isofenphos	ug/L	once a year	GCM39
lambda-Cyhalothrin	ug/L	once a year	GCM39
Malaoxon	ug/L	once a year	GCM39
Malathion	ug/L	once a year	GCM35
Metalaxyl	ug/L	once a year	GCM39
Methidathion	ug/L	once a year	GCM39
Methyl parathion	ug/L	once a year	GCM35
Metolachlor	ug/L	once a year	GCM35
Metribuzin	ug/L	once a year	GCM35
Molinate	ug/L	once a year	GCM35
Myclobutanil	ug/L	once a year	GCM39
Oxyfluorfen	ug/L	once a year	GCM39
Paraoxon-methyl	ug/L	once a year	GCM39
Pendimethalin	ug/L	once a year	GCM35

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Phorate	ug/L	once a year	GCM35
Phorate oxon	ug/L	once a year	GCM39
Phosmet	ug/L	once a year	GCM39
Phosmet oxon	ug/L	once a year	GCM39
Prometon	ug/L	once a year	GCM35
Prometryn	ug/L	once a year	GCM39
Propanil	ug/L	once a year	GCM35
Propargite	ug/L	once a year	GCM35
Propyzamide	ug/L	once a year	GCM35
Simazine	ug/L	once a year	GCM35
Tebuconazole	ug/L	once a year	GCM14
Tebuthiuron	ug/L	once a year	GCM35
Tefluthrin	ug/L	once a year	GCM39
Terbufos	ug/L	once a year	GCM35
Terbufos oxygen analog sulfone	ug/L	once a year	GCM39
Terbutylazine	ug/L	once a year	GCM39
Thiobencarb	ug/L	once a year	GCM35
trans-Propiconazole	ug/L	once a year	GCM40
Tribufos	ug/L	once a year	GCM39
Trifluralin	ug/L	once a year	GCM35
CONVENTIONAL/NUTRIENT SEDIMENT PARAMETERS			
pH	SU	once a year	Standard Methods 4500-H
Carbon, inorganic	g/kg	once a year	LC0133
Carbon, total	g/kg	once a year	LC2321
Phosphorus, total	mg/kg	once a year	RTI
METALS SEDIMENT PARAMETERS			
Arsenic	mg/kg	once a year	PLM13
Cadmium	mg/kg	once a year	PLM46
Chromium	mg/kg	once a year	PLA14
Cobalt	mg/kg	once a year	PLM13
Copper	mg/kg	once a year	PLA14
Iron	mg/kg	once a year	PLA14
Lead	mg/kg	once a year	PLM46
Manganese	mg/kg	once a year	PLA14
Mercury	mg/kg	once a year	00026
moisture content, fraction of dry weight	pct	once a year	GRV28
Nickel	mg/kg	once a year	PLM13
Selenium	mg/kg	once a year	PLM13
Zinc	mg/kg	once a year	PLA14
POLYAROMATIC HYDROCARBON (PAH) AND POLYCHLORINATED BIPHENYL (PCB) SEDIMENT PARAMETERS			

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1,2-Dimethylnaphthalene	ug/kg	once a year	GCM71
1,6-Dimethylnaphthalene	ug/kg	once a year	GCM71
1-Methyl-9H-fluorene	ug/kg	once a year	GCM71
1-Methylphenanthrene	ug/kg	once a year	GCM71
1-Methylpyrene	ug/kg	once a year	GCM71
2,3,6-Trimethylnaphthalene	ug/kg	once a year	GCM71
2,6-Dimethylnaphthalene	ug/kg	once a year	GCM71
2-Ethyl-naphthalene	ug/kg	once a year	GCM71
2-Fluorobiphenyl (surrogate)	pct	once a year	GCM71
2-Methylantracene	ug/kg	once a year	GCM71
4H-Cyclopenta[def]phenanthrene	ug/kg	once a year	GCM71
Acenaphthene	ug/kg	once a year	GCM71
Acenaphthylene	ug/kg	once a year	GCM71
Anthracene	ug/kg	once a year	GCM71
Benz[a]anthracene	ug/kg	once a year	GCM71
Benzo[a]pyrene	ug/kg	once a year	GCM71
Benzo[b]fluoranthene	ug/kg	once a year	GCM71
Benzo[ghi]perylene	ug/kg	once a year	GCM71
Benzo[k]fluoranthene	ug/kg	once a year	GCM71
Chrysene	ug/kg	once a year	GCM71
Dibenz[a,h]anthracene	ug/kg	once a year	GCM71
Fluoranthene	ug/kg	once a year	GCM71
Fluorene	ug/kg	once a year	GCM71
Indeno[1,2,3-cd]pyrene	ug/kg	once a year	GCM71
Isophorone	ug/kg	once a year	GCM71
Naphthalene	ug/kg	once a year	GCM71
Nitrobenzene-d5 (surrogate)	pct	once a year	GCM71
p-Cresol	ug/kg	once a year	GCM71
Phenanthrene	ug/kg	once a year	GCM71
Phenanthridine	ug/kg	once a year	GCM71
Polychlorinated biphenyls, total	ug/kg	once a year	00069
Pyrene	ug/kg	once a year	GCM71
Terphenyl-d14 (surrogate)	pct	once a year	GCM71
total Nonachlorobiphenyl (surrogate)	pct	once a year	00069