

CLASS	CODE	NAME	DESCRIPTION
Age	Age	Age, chronologic	Period of time denoting the duration of the living condition for an organism, community, or population
Age	Age-Anadr	Age, Great Lakes Anadromous	Age reporting convention indicating # of years an anadromous fish spends in its JUVENILE environment (stream, river) followed by number of years it spends in its ADULT environment (Great Lake, ocean); anadromous age should be reported as yrsJ.yrsA
Age	Age-Catadr	Age, Great Lakes Catadromous	Age reporting convention indicating # of years a catadromous fish spends in its JUVENILE environment (ocean, sea) followed by number of years it spends in its ADULT environment (stream, river); catadromous age should be reported as yrsJ.yrsA
Age	Age-defInt	Age Defining Interval	Age Defining Interval
Age	Age-rng	Age Range	Age Range
Age	Agecls-fish	Age Class, Fish	Indicator for a class of fish whose ages fall within a pre-specified age range
Age	Lfstg-fish	Lifestage, Fish	Indicator for developmental point reached by an individual fish or group of fish
Age	Lfstg-insect	Lifestage, Insect	Indicator for developmental point reached by an individual insect or group of insects
Age	Mat-fish	Maturity Stage, Fish	Indicator for point of sexual development reached by a fish or group of fish
Alkaline/Acid	Acidity-ex	Acidity, Excess	No description available
Alkaline/Acid	Acidity-ex as CaCO3	Acidity, Excess as CaCO3	No description available
Alkaline/Acid	Acidity-min	Acidity, Mineral	Alkaline titrant per volume of sample needed to reach the methyl orange endpoint or equivalent (generally reported as mE)
Alkaline/Acid	Acidity-min as CaCO3	Acidity, Mineral as CaCO3	Alkaline titrant per volume of sample needed to reach the methyl orange endpoint or equivalent (reported as CaCO3)
Alkaline/Acid	Acidity-net	Acidity, Net	Alkaline titrant per volume of sample needed to bring solution to neutral (pH = 7.0) (generally reported as mE)
Alkaline/Acid	Acidity-net as CaCO3	Acidity, Net as CaCO3	Alkaline titrant per volume of sample needed to bring solution to neutral (pH = 7.0) (reported as CaCO3)
Alkaline/Acid	Acidity-tot	Acidity, Total	Alkaline titrant per volume of sample needed to reach the phenolphthalein endpoint (generally reported as mE)
Alkaline/Acid	Acidity-tot as CaCO3	Acidity, Total as CaCO3	Alkaline titrant per volume of sample needed to reach the phenolphthalein endpoint (reported as CaCO3)
Alkaline/Acid	Alk-CO3	Alkalinity, Carbonate	Alkalinity type reported when Alk-Phen <= 0 or when Alk-Phen <= Alk-Total (generally reported as mE)
Alkaline/Acid	Alk-CO3 as CaCO3	Alkalinity, Carbonate as CaCO3	Alkalinity type reported when Alk-Phen <= 0 or when Alk-Phen <= Alk-Total (reported as CaCO3)
Alkaline/Acid	Alk-HCO3	Alkalinity, Bicarbonate	Alkalinity type reported when Alk-Phen = 0 or when Alk-Phen < 1/2 Alk-Total (generally reported as mE)
Alkaline/Acid	Alk-HCO3 as CaCO3	Alkalinity, Bicarbonate as CaCO3	Alkalinity type reported when Alk-Phen = 0 or when Alk-Phen < 1/2 Alk-Total (reported as CaCO3)
Alkaline/Acid	Alk-OH	Alkalinity, Hydroxide	Alkalinity type reported when Alk-Phen = Alk-Total or when Alk-Phen > 1/2 Alk-Total (generally reported as mE)
Alkaline/Acid	Alk-OH as CaCO3	Alkalinity, Hydroxide as CaCO3	Alkalinity type reported when Alk-Phen = Alk-Total or when Alk-Phen > 1/2 Alk-Total (reported as CaCO3)
Alkaline/Acid	Alk-ex	Alkalinity, Excess	No description available
Alkaline/Acid	Alk-ex as CaCO3	Alkalinity, Excess as CaCO3	No description available
Alkaline/Acid	Alk-net	Alkalinity, Net	Acid titrant per volume of sample needed to bring solution to neutral (pH = 7) (generally reported as mE)
Alkaline/Acid	Alk-net as CaCO3	Alkalinity, Net as CaCO3	Acid titrant per volume of sample needed to bring solution to neutral (pH = 7) (reported as CaCO3)
Alkaline/Acid	Alk-phen	Alkalinity, Phenolphthalein	Acid titrant per volume of sample needed to reach the phenolphthalein endpoint or equivalent (generally reported as mE)
Alkaline/Acid	Alk-phen as CaCO3	Alkalinity, Phenolphthalein as CaCO3	Acid titrant per volume of sample needed to reach the phenolphthalein endpoint or equivalent (reported as CaCO3)
Alkaline/Acid	Alk-tot	Alkalinity, Total	Acid titrant per volume of sample needed to reach the methyl orange endpoint (generally reported as mE)
Alkaline/Acid	Alk-tot as CaCO3	Alkalinity, Total as CaCO3	Acid titrant per volume of sample needed to reach the methyl orange endpoint or equivalent (reported as CaCO3)
Alkaline/Acid	pH	pH	Negative logarithm of the hydrogen ion (H+) concentration
Amount	Count	Count	Quantity of individual items in a category
Amount	Prop-Diet	Approximate Proportion of Diet	Ratio of the weight or volume of a portion of stomach content to the weight or volume of the entire stomach content
Amount	Stm-empt	Number of Empty Stomachs	Number of stomachs examined and found to contain no food materia
Amount	Stm-nonempt	Number of Non-empty Stomachs	Number of stomachs examined and found to contain food materia
Amount	Vol	Volume	Volume of a sample (e.g., filtered, collected)
Amount	Wt	Weight	The force with which a body is attracted to the earth (a product of the mass of the body and the gravitational field of the earth)
Ancillary	AVS	Acid Volatile Sulfides	No description available
Ancillary	Atmpres	Atmospheric pressure	Pressure created by the weight of the air in the earth's atmosphere
Ancillary	Biopart	Biopart	Identifier for a specific body part, organ, type of tissue, or combination thereof
Ancillary	CN	Cyanide	No description available
Ancillary	Cld cover	Cloud Cover	Percentage of sky occluded by clouds
Ancillary	Cond-ext	Condition, External	State of health that is observable by non-invasive procedures
Ancillary	Discharge	Discharge Rate	Numeric indicator of impoundment discharge rate. This applies when sampling below a water control structure like a dam
Ancillary	Flow	Water Flow	Volume of water passing a specific point over a specific period of time
Ancillary	Humid	Humidity	The amount of water vapor present in the air
Ancillary	Lipid	Lipid content	Hydrophobic, nonpolar compounds that are extracted from biological samples by an organic solvent (i.e., hexane). Most common lipids are fats, oils, waxes, and steriods. Lipids accumulate hydrophobic, nonpolar contaminants such as PCBs and pesticides
Ancillary	Moist	Moisture content	Amount of water contained either in the vapor or liquid state in a given sample
Ancillary	OG	Oil and Grease	No description available
Ancillary	PAR	Irradiance (Seabird)	Irradiance (Seabird)

Ancillary	RelHumid	Relative Humidity	Ratio of the amount of water vapor in the air and the amount that could be present (e.g., saturation) at a specific temperature
Ancillary	Sounding	Sounding Depth	Depth of water as measured by a weighted line
Ancillary	Stm-fulns	Stomach Fullness	Index that describes the portion of total stomach volume which is taken up by food
Ancillary	StmCont	Stomach Content Item	Identifier for an item commonly found in the stomachs of organisms
Ancillary	Sun	Solar radiation	Measure of the intensity of incident solar radiation
Ancillary	TCDF	Dibenzofuran, 2,3,7,8-tetra-chloro	No description available
Ancillary	TPH	Total Petroleum Hydrocarbons	No description available
Ancillary	Temp	Temperature	Measure of the intensity or degree of heat in a sample or at a location
Ancillary	Therm-Disch	Thermal Discharge	Measure of the amount of heat discharged to a receiving body for a specific time period
Ancillary	Tidehgt	Tidal Height	Distance above (or below) mean water level
Ancillary	Tidest	Tidal Stage	Semiquantitative text description for stage of the tide
Ancillary	Waterspd	Water Speed	Linear speed of water flowing past a specific point (not called velocity because there is no direction component)
Ancillary	Waveamp	Wave Amplitude	Distance between the highest crest and the position of "rest" (i.e., flatness) of a wave or series of waves
Ancillary	Wavedir	Wave Direction	Compass point (or degree measure?) from which waves are originating
Ancillary	Wavehgt	Wave Height	Distance between the highest crest and the deepest trough of a wave or series of waves
Ancillary	Waveper	Wave Period	Distance between two analogous points in a wave (e.g., crest to crest, trough to trough)
Ancillary	Wavest	Wave State	Semiquantitative text description of the state (or stage) reached by waves
Ancillary	Wnddir	Wind Direction	Compass point (or degree measure?) from which the wind is originating
Ancillary	Wndfrc	Wind Force	Force of wind at a specific point
Ancillary	Wndspd	Wind Speed	Linear speed of air flowing past a specific point (not called velocity because there is no direction component)
Anion	SO4	Sulfate	Bivalent anion salt, or ester of sulfuric acid
Benthos	Count	Count	Quantity of individual items in a category
Benthos	NUM_M2	Number per m2	Calculated density (organisms per square meter) for each species.
Benthos	SPECCODE	Species Code, GLNPO	Shortened (8 character) code for species, usually first three letters of genus, and remaining letters of species. This should remain consistent with past data
Benthos	Taxon	Taxon	Phylogenetic (taxonomic) identification for a sample organism
Bioassay	Surv	Survival	Survival
Biomass	Chlor-a	Chlorophyll-a	Photosynthetic pigment in almost all plants, including phytoplankton and macrophytes
Biomass	Chlor-b	Chlorophyll-b	Accessory pigment found in vascular plants, green algae, and Euglenoids
Biomass	Chlor-c	Chlorophyll-c	Accessory pigment found in kelps, golden-brown algae, diatoms, and Xanthophytes
Biomass	PrimProd-N	Primary Productivity, Net	Sum total of energy from the sun that is assimilated (i.e., total photosynthesis) by plants minus the energy required by plants for respiration
Biomass	SecProd	Secondary Productivity	Net energy from the sun that is assimilated in consumer organisms (i.e., net energy left over from maintenance and respiration of consumer organisms)
Biomass	Xantho	Xanthophyll	Plastid pigment found in Xanthophytes
Carbon	C	Carbon, Elemental	Unbound, elemental carbon
Carbon	C-13/C-12	Carbon-13/Carbon-12	Ratio of Carbon-13 to Carbon-12 radioisotopes
Carbon	C-14	Carbon-14	Radioisotope Carbon 14
Carbon	C-inorg	Carbon, Inorganic	Carbon atoms (i.e., CO ₃ , HCO ₃ , and dissolved CO ₂) not bound to organic compounds
Carbon	C-org	Carbon, Organic	Carbon atoms covalently bonded in organic molecules
Carbon	C-tot	Carbon, Total	Total carbon across all forms of carbon
Carbonate	CO2	Carbon Dioxide	Carbon dioxide in gaseous or aqueous (i.e., dissolved) form
Carbonate	CO3	Carbonate Ion	Bivalent ion formed during dissolution of carbonic acid
Carbonate	H2CO3	Carbonic Acid	Acid formed when carbon dioxide is dissolved in water
Carbonate	HCO3	Bicarbonate Ion	Monovalent ion formed during dissolution of carbonic acid
Chlorine	Cl	Chlorine, Elemental	Unbound, elemental chlorine
Chlorine	Cl-demand	Chlorine, Demand	Chlorine consumed in a specified time period following a known dose
Chlorine	Cl-resid/comb	Chlorine, Residuals/Combined	Sum of amine-bound chlorine remaining after a specified time period and known dose
Chlorine	Cl-resid/free	Chlorine, Residuals/Free	Sum of Cl ₂ , OCl ₋ , and HOCl remaining after a specified time period and a known dose
Chlorine	Cl-resid/tot	Chlorine, Residuals/Total	Sum of free and combined forms remaining after a specified time period and a known dose
Chlorine	HOCl	Hypochlorite Ion	Hydrolysis product formed when Cl ₂ is added to water
Chlorine	NCI3	Trichloramine	Nitrogen-bound chlorine (produced by adding NH ₃ to HOCl)
Chlorine	NH2Cl	Monochloramine	Amine-bound chlorine held in monochlorine fraction (produced by adding NH ₃ to HOCl)
Chlorine	NHCl2	Dichloramine	Amine-bound chlorine held in dichlorine fraction (produced by adding NH ₃ to HOCl)
Chlorine	OCl-	Chlorite Ion	Ionization product formed when Cl ₂ is added to water
Conductivity	Cond	Conductivity	Measure of the flow of electrons through a solution (e.g., sample water)
Conductivity	Cond-amb	Conductivity (Seabird)	Conductivity (Seabird)
Conductivity	Cond-calc	Specific Conductance (Seabird)	Specific Conductance (Seabird)
Dimension	Diameter	Diameter	Length of a straight line segment passing from one side of a circle (or sphere), through the center, to the other side of the circle (or sphere)
Dimension	FL Anomaly	Field or Lab Anomaly	Field or Lab Anomaly
Dimension	Ht	Height	Distance measurement in the vertical plane (i.e., Z-plane)
Dimension	ltdelev	Intertidal elevation	Distance measurement for the difference between high and low tides on a specific day
Dimension	Len	Length	Distance measurement in the horizontal plane (i.e., X-plane). Specific length types (e.g., total fish length, standard fish length) are not applicable to sample
Dimension	Len-EF	Length, Mideye to Tail Fork (Fish)	Length measurement represents distance from mideye to fork of tail
Dimension	Len-EH	Length, Mideye to Hypural Plate (Fish)	Length measurement represents distance from mideye to hypural plate
Dimension	Len-Ecar	Length, Eye to Carapace (Crabs and Lobsters)	Length measurement represents distance from back of right eye socket to tip of shell or bony covering on back

Dimension	Len-Part	Length, Partial (Fish)	Length measurement represents measurement other than total length. Specific length type is unknown, however
Dimension	Len-SF	Length, Fork (Fish)	Length measurement represents distance from tip of snout to fork of tai
Dimension	Len-SH	Length, Snout to Hypural Plate (Fish)	Length measurement represents distance from tip of snout to hypural plate
Dimension	Len-SSD	Length, Snout to Dorsal (Fish)	Length measurement represents distance from snout to second dorsal fin
Dimension	Len-Std	Length, Standard (Fish)	Length measurement represents distance from tip of snout to end of vertebral column
Dimension	Len-Tot	Length, Total (Fish)	Length measurement represents total length (mouth closed and caudal fin dorso-ventrally compressed)
Dimension	Len-VCL	Length, Vertebral Column (Fish)	Length measurement represents length of vertebral column
Dimension	Len-VRT	Length, Vertebra (Fish)	Length measurement represents length of single vertebra
Dimension	Len-defint	Length Defining Interval	Length Defining Interval
Dimension	Mass	Mass	A measure of the quantity of matter in a body (independent of the gravitational field of the earth)
Dimension	Radius	Radius	Length of a straight line segment passing from one side of a circle (or sphere) to the center of the circle (or sphere)
Dimension	Sizecls	Sizeclass, Fish	Indicator for a class of fish whose lengths fall within a pre-specified size range
Dimension	Wid	Width	Distance measurement in the horizontal plane (i.e., 'Y-plane')
Dimension	Wid-Car	Width, Carapace, No Spines	Width represents width at widest point of the shell or bony covering on the back excluding spines
Dimension	Wid-CarSp	Width, Carapace, Spines	Width represents width at widest point of the shell or bony covering on the back including spines
Dioxins and furans	HpCDD-tot	Heptachlorodibenzo-p-dioxin, Total	Heptachlorodibenzo-p-dioxin, Total
Dioxins and furans	HpCDD_1234678	1,2,3,4,6,7,8-Heptachlorodibenzo-p-	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin
Dioxins and furans	HpCDF-tot	Heptachlorodibenzofuran, Total	Heptachlorodibenzofuran, Total
Dioxins and furans	HpCDF_1234678	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,6,7,8-Heptachlorodibenzofuran
Dioxins and furans	HpCDF_1234789	1,2,3,4,7,8,9-Heptachlorodibenzofuran	1,2,3,4,7,8,9-Heptachlorodibenzofuran
Dioxins and furans	HxCDD-tot	Hexachlorodibenzo-p-dioxin, Total	Hexachlorodibenzo-p-dioxin, Total
Dioxins and furans	HxCDD_123478	1,2,3,4,7,8-Hexachlorodibenzo-p-	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin
Dioxins and furans	HxCDD_123678	1,2,3,6,7,8-Hexachlorodibenzo-p-	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin
Dioxins and furans	HxCDD_123789	1,2,3,7,8,9-Hexachlorodibenzo-p-	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin
Dioxins and furans	HxCDF-tot	Hexachlorodibenzofuran, Total	Hexachlorodibenzofuran, Total
Dioxins and furans	HxCDF_123478	1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzofuran
Dioxins and furans	HxCDF_123678	1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-Hexachlorodibenzofuran
Dioxins and furans	HxCDF_123789	1,2,3,7,8,9-Hexachlorodibenzofuran	1,2,3,7,8,9-Hexachlorodibenzofuran
Dioxins and furans	HxCDF_234678	2,3,4,6,7,8-Hexachlorodibenzofuran	2,3,4,6,7,8-Hexachlorodibenzofuran
Dioxins and furans	OCDD	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin
Dioxins and furans	OCDD-tot	Octachlorodibenzo-p-dioxin, Total	Octachlorodibenzo-p-dioxin, Total
Dioxins and furans	OCDF	1,2,3,4,6,7,8,9-	1,2,3,4,6,7,8,9-Octachlorodibenzofuran
Dioxins and furans	OCDF-tot	Octachlorodibenzofuran, Total	Octachlorodibenzofuran, Total
Dioxins and furans	PCDD_12378	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1,2,3,7,8-Pentachlorodibenzo-p-dioxin
Dioxins and furans	PCDF_12378	1,2,3,7,8-Pentachlorodibenzofuran	1,2,3,7,8-Pentachlorodibenzofuran
Dioxins and furans	PCDF_23478	2,3,4,7,8-Pentachlorodibenzofuran	2,3,4,7,8-Pentachlorodibenzofuran
Dioxins and furans	PeCDD-tot	Pentachlorodibenzo-p-dioxin, Total	Pentachlorodibenzo-p-dioxin, Total
Dioxins and furans	PeCDF-tot	Pentachlorodibenzofuran, Total	Pentachlorodibenzofuran, Total
Dioxins and furans	TCDD-tot	Tetrachlorodibenzo-p-dioxin, Total	Tetrachlorodibenzo-p-dioxin, Total
Dioxins and furans	TCDD_2378	2,3,7,8-tetrachlorodibenzo-p-dioxin	2,3,7,8-tetrachlorodibenzo-p-dioxin
Dioxins and furans	TCDF-tot	Tetrachlorodibenzofuran, Total	Tetrachlorodibenzofuran, Total
Dioxins and furans	TCDF_2378	2,3,7,8-Tetrachlorodibenzofuran	2,3,7,8-Tetrachlorodibenzofuran
Gender	Gender	Gender	Gender (sex determination) of a biological species
Grain Size	GS-fines63	Grain size-Fines<63um	Portion of sediment or soil sample that in the fine (<63 um) size range
Halogen	Br	Bromine	Unbound, elemental bromine
Halogen	Br-	Bromide	Free, dissociated monovalent bromide ion
Halogen	Chlorinity	Chlorinity	Sum of chloride, bromide, and iodide reported as chloride
Halogen	Chlorosity	Chlorosity	Chlorinity multiplied by water density at 20 degrees C
Halogen	Cl	Chlorine, Elemental	Unbound, elemental chlorine
Halogen	Cl-	Chloride	Free, dissociated monovalent chloride ion
Halogen	Cl-demand	Chlorine, Demand	Chlorine consumed in a specified time period following a known dose
Halogen	Cl-resid/comb	Chlorine, Residuals/Combined	Sum of amine-bound chlorine remaining after a specified time period and known dose
Halogen	Cl-resid/free	Chlorine, Residuals/Free	Sum of Cl ₂ , OCl ₂ , and HOCl remaining after a specified time period and a known dose
Halogen	Cl-resid/tot	Chlorine, Residuals/Total	Sum of free and combined forms remaining after a specified time period and a known dose
Halogen	F	Fluorine	Unbound, elemental fluorine
Halogen	F-	Fluoride	Free, dissociated monovalent fluoride ion
Halogen	HOCl	Hypochlorite ion	Hydrolysis product formed when Cl ₂ is added to water
Halogen	I	Iodine	Unbound, elemental iodine
Halogen	I-	Iodide	Free, dissociated monovalent iodide ion
Halogen	NCI3	Trichloramine	Nitrogen-bound chlorine (produced by adding NH ₃ to HOCl)
Halogen	NH2Cl	Monochloramine	Amine-bound chlorine held in monochlorine fraction (produced by adding NH ₃ to HOCl)
Halogen	NHCl2	Dichloramine	Amine-bound chlorine held in dichlorine fraction (produced by adding NH ₃ to HOCl)
Halogen	OCl-	Chlorite ion	Ionization product formed when Cl ₂ is added to water
Hardness	CHard	Hardness, Carbonate	Multivalent cations associated w/carbonate and bicarbonate ions
Hardness	CHard as CaCO3	Hardness, Carbonate as CaCO3	Multivalent cations associated w/carbonate and bicarbonate ions (reported as CaCO ₃)
Hardness	Hard-tot	Hardness, Total	Multivalent cations associated w/ both carbonate & noncarbonate ions
Hardness	Hard-tot as CaCO3	Hardness, Total as CaCO3	Multivalent cations associated w/ both carbonate & noncarbonate ions (reported as CaCO ₃)
Hardness	NCHard	Hardness, Non-Carbonate	Multivalent cations associated w/noncarbonate ions
Hardness	NCHard as CaCO3	Hardness, Non-Carbonate as CaCO3	Multivalent cations associated w/noncarbonate ions (reported as CaCO ₃)
Metal	Ag	Silver	Silver (total across all species, reported as elemental silver)
Metal	Al	Aluminum	Aluminum (total across all species, reported as elemental aluminum)
Metal	As	Arsenic	Arsenic (total across all species, reported as elemental arsenic)
Metal	Au	Gold	Gold (total across all species, reported as elemental gold)
Metal	Ba	Barium	Barium (total across all species, reported as elemental barium)
Metal	Be	Beryllium	Beryllium (total across all species, reported as elemental beryllium)

Metal	Bi	Bismuth	Bismuth (total across all species, reported as elemental bismuth)
Metal	Ca	Calcium	Calcium (total across all species, reported as elemental calcium)
Metal	Cd	Cadmium	Cadmium (total across all species, reported as elemental cadmium)
Metal	Co	Cobalt	Cobalt (total across all species, reported as elemental cobalt)
Metal	Cr	Chromium	Chromium (total of all species and valences, reported as elemental chromium - see preparation method for differentiation/details on the meaning of "total")
Metal	Cr3	Chromium, trivalent	Trivalent chromium ion (excluding all other species - see preparation method for differentiation/details on the meaning of "total")
Metal	Cr6	Chromium, hexavalent	Hexavalent chromium ion (excluding all other species - see preparation method for differentiation/details on the meaning of "total")
Metal	Cs	Cesium	Cesium (total of all species and valences, reported as elemental cesium - see prep. method for differentiation/details on the meaning of "total")
Metal	Cs137	Cesium 137	Radioisotope of cesium
Metal	Cu	Copper	Copper (total of all species and valences, reported as elemental copper - see prep. method for differentiation/details on the meaning of "total")
Metal	Fe	Iron	Iron (total of all species and valences, reported as elemental iron - see prep. method for differentiation/details on the meaning of "total")
Metal	Ga	Gallium	Gallium (total across all species, reported as elemental gallium)
Metal	Ge	Germanium	Germanium (total across all species, reported as elemental germanium)
Metal	Hg	Mercury	Mercury (total across all species, reported as elemental mercury - see prep. method for differentiation/details on the meaning of "total")
Metal	Hg-CH3	Methyl Mercury	Hydrophobic (water insoluble) form of mercury, most important of the organic/alkyl mercury compounds in terms of toxicity.
Metal	Ho	Holmium	Holmium (total of all species and valences, reported as elemental holmium - see prep. method for differentiation/details on the meaning of "total")
Metal	In	Indium	Indium (total across all species, reported as elemental indium)
Metal	K	Potassium	Potassium (total of all species and valences, reported as elemental potassium - see prep. method for differentiation/details on the meaning of "total")
Metal	La	Lanthanum	Lanthanum (total across all species, reported as elemental lanthanum)
Metal	Mg	Magnesium	Magnesium (total of all species and valences, reported as elemental magnesium - see prep. method for differentiation/details on the meaning of "total")
Metal	Mn	Manganese	Manganese (total of all species and valences, reported as elemental manganese - see prep. method for differentiation/details on the meaning of "total")
Metal	Mo	Molybdenum	Molybdenum (total across all species, reported as elemental molybdenum)
Metal	Na	Sodium	Sodium (total of all species and valences, reported as elemental sodium - see prep. method for differentiation/details on the meaning of "total")
Metal	Ni	Nickel	Nickel (total of all species and valences, reported as elemental nickel - see prep. method for differentiation/details on the meaning of "total")
Metal	Ni60	Nickel isotope 60	Radioisotope of nickel
Metal	Pb	Lead	Lead (total of all species and valences, reported as elemental lead - see prep. method for differentiation/details on the meaning of "total")
Metal	Pb210	Lead isotope 210	Radioisotope of lead
Metal	Pd	Palladium	Palladium (total across all species, reported as elemental palladium)
Metal	Rb	Rubidium	Rubidium (total across all species, reported as elemental rubidium)
Metal	Rh	Rhodium	Rhodium (total across all species, reported as elemental rhodium)
Metal	Sb	Antimony	Antimony (total across all species, reported as elemental antimony)
Metal	Sc	Scandium	Scandium (total across all species, reported as elemental scandium)
Metal	Se	Selenium	Selenium (total of all species and valences, reported as elemental selenium - see prep. method for differentiation/details on the meaning of "total")
Metal	Sn	Tin	Tin (total across all species, reported as elemental tin)
Metal	Sr	Strontium	Strontium (total across all species, reported as elemental strontium)
Metal	Te	Tellurium	Tellurium (total across all species, reported as elemental tellurium)
Metal	Th	Thorium	Thorium (total of all species and valences, reported as elemental thorium - see prep. method for differentiation/details on the meaning of "total")
Metal	Ti	Titanium	Titanium (total of all species and valences, reported as elemental titanium - see prep. method for differentiation/details on the meaning of "total")
Metal	Tl	Thallium	Thallium (total across all species, reported as elemental thallium)
Metal	V	Vanadium	Vanadium (total of all species and valences, reported as elemental vanadium - see prep. method for differentiation/details on the meaning of "total")
Metal	W	Tungsten	Tungsten (total across all species, reported as elemental tungsten)
Metal	Y	Yttrium	Yttrium (total of all species and valences, reported as elemental yttrium - see prep. method for differentiation/details on the meaning of "total")
Metal	Yb	Ytterbium	Ytterbium (total of all species and valences, reported as elemental ytterbium - see prep. method for differentiation/details on the meaning of "total")
Metal	Zn	Zinc	Zinc (total of all species and valences, reported as elemental zinc - see prep. method for differentiation/details on the meaning of "total")
Metal	Zr	Zirconium	Zirconium (total across all species, reported as elemental zirconium)
Nitrogen	N-inorg-tot	Nitrogen, Total Inorganic	Total across all inorganic nitrogen forms
Nitrogen	N-org-tot	Nitrogen, Total Organic	Total organic nitrogen
Nitrogen	N-tot	Nitrogen, Total	Total nitrogen across all nitrogen forms
Nitrogen	N2	Nitrogen, Elemental	Unbound, elemental nitrogen
Nitrogen	NH3	Ammonia	Entire ammonia molecule
Nitrogen	NH3-N	Ammonia-Nitrogen	Nitrogen portion of ammonia molecule
Nitrogen	NH4	Ammonium	Entire ammonium molecule
Nitrogen	NH4-N	Ammonium-Nitrogen	Nitrogen portion of ammonium molecule
Nitrogen	NO2	Nitrite	Entire nitrite molecule
Nitrogen	NO2+NO3	Nitrogen, Total Oxidized	Total combination of oxidized (nitrate plus nitrite) nitrogen forms
Nitrogen	NO2-N	Nitrite-Nitrogen	Nitrogen portion of nitrite molecule
Nitrogen	NO3	Nitrate	Entire nitrate molecule
Nitrogen	NO3-N	Nitrate-Nitrogen	Nitrogen portion of nitrate molecule
Nitrogen	TKN	Nitrogen, Total Kjeldahl	Kjeldahl (organic plus ammonia) nitrogen forms
Organic Chemical	HexExtract	Hexane Extractables	Portion extractable by Hexane.
Other	Samp-dateQA	Sample QA Date	Sample QA Date

Oxygen	BOD	Oxygen Demand, Biological	Amount of oxygen required for the biodegradation of carbonaceous materials in a sample over a specific time period
Oxygen	COD	Oxygen Demand, Chemical	Amount of oxygen required to oxidize all organic matter (i.e., biological and inert organics) in a sample
Oxygen	NBOD	Oxygen Demand, Nitrogenous biochemical	Amount of oxygen required for the biological oxidation of ammonia to nitrate in a sample over a specific time period
Oxygen	O-18/O-16	Oxygen -18/Oxygen-16	Ratio of Oxygen-18 to Oxygen-16 radioisotopes
Oxygen	O2diss	Oxygen, Dissolved	Oxygen dissolved in a solution
Oxygen	O2rad	Superoxide	Superoxide anion of oxygen (radical)
Oxygen	O2sat	Oxygen, Saturation	Measure of the percent saturation of oxygen at a specific temperature
Oxygen	O3	Ozone, Dissolved	Oxidant molecule consisting of three oxygen atoms
Oxygen	TOD	Oxygen Demand, Total	Amount of oxygen required to oxidize all organic matter and some inorganic compounds in a sample
Oxygen	ThOD	Oxygen Demand, Theoretical	Stoichiometric calculation the of amount of oxygen required to oxidize known organic compounds in a sample
Pesticide	Aldrin	Aldrin	Organochlorine insecticide in the cyclodiene class
Pesticide	Atra	Atrazine	Organochlorine herbicide in the triazine class
Pesticide	Chlor	Chlordane	Organochlorine insecticide in the cyclodiene class
Pesticide	Chlor-tot	Total Chlordane	Sum of all varieties of chlordane
Pesticide	Chlorpyrifos	Chlorpyrifos	Chlorpyrifos
Pesticide	DDD	Total DDD	Metabolic product of DDT, an organochlorine insecticide in the ethane-derivative class
Pesticide	DDD-op	o,p DDD	Metabolic product of DDT, an organochlorine insecticide in the ethane-derivative class
Pesticide	DDD-pp	p,p' DDD	Metabolic product of DDT, an organochlorine insecticide in the ethane-derivative class
Pesticide	DDE	Total DDE	Metabolic product of DDT, an organochlorine insecticide in the ethane-derivative class
Pesticide	DDE-op	o,p DDE	Metabolic product of DDT, an organochlorine insecticide in the ethane-derivative class
Pesticide	DDE-pp	p,p' DDE	Metabolic product of DDT, an organochlorine insecticide in the ethane-derivative class
Pesticide	DDE-pp+DDT	p,p' DDE + DDT	Organochlorine insecticide in the ethane-derivative class
Pesticide	DDT	total DDT	Organochlorine insecticide in the ethane-derivative class
Pesticide	DDT-op	o,p-DDT	Organochlorine insecticide in the ethane-derivative class
Pesticide	DDT-pp	p,p' DDT	Organochlorine insecticide in the ethane-derivative class
Pesticide	DDT-pp-tot	Total p,p'-DDT	Total of p,p'DDD + p,p'DDE + p,p'DDT
Pesticide	DDT-tot	Total DDT + DDD + DDE	Total DDT + DDD + DDE
Pesticide	DEA	Deethylatrazine	Organochlorine herbicide in the triazine class
Pesticide	DIA	6-Deisopropylatrazine	Organochlorine herbicide in the triazine class
Pesticide	Dacthal	Chlorthal-dimethyl	Chlorthal-dimethyl
Pesticide	Diaz	Diazinon	Diazinon
Pesticide	Dield	Dieldrin	Organochlorine insecticide in the cyclodiene class
Pesticide	End	Endrin	Organochlorine insecticide in the cyclodiene class
Pesticide	EndAld	Endrin aldehyde	Metabolic product of Endrin, an organochlorine pesticide in the cyclodiene class
Pesticide	EndKet	Endrin Ketone	Insecticide/pesticide/fungicide
Pesticide	Ensulf	Endosulfan	Organochlorine insecticide in the cyclodiene class
Pesticide	Esulfate	Endosulfan Sulfate	Metabolic product of Endosulfan, an organochlorine pesticide in the cyclodiene class
Pesticide	HCB	Hexachlorobenzene	Organochlorine fungicide in a class known as substituted aromatics
Pesticide	HCNBD	Hexachloronorbomadiene	Hexachloronorbomadiene
Pesticide	HepEpx	Heptachlor Epoxide	Metabolic product of Heptachlor, a pesticide used to control termites and other insects
Pesticide	Hepta	Heptachlor	Pesticide used to control termites and other insects
Pesticide	Methox	Ethane, 1,1,1-trichloro-2,2-bis(p-	Organic chemical used as an insecticide and in animal medicines
Pesticide	Mirex	Mirex	a type of cyclodiene insecticide
Pesticide	Musk-xylene	Musk xylene	2,4,6-Trinitro-5-tert-butyl-m-xylene
Pesticide	OCS	Octachlorostyrene	No description available
Pesticide	Oxchlor	Oxychlordane	Degradation product of chlordane (mediated by environmental processes)
Pesticide	PCBenz	Pentachlorobenzene	Pentachlorobenzene
Pesticide	PCPME	Pentachloroanisole	Pentachloroanisole (aka Pentachlorophenyl Methyl Ether)
Pesticide	PhotoMirex	Photo Mirex	some form of Mirex
Pesticide	TCMX	1,2,3,5-tetrachloro-4,6-dimethyl-benzene	1,2,3,5-tetrachloro-4,6-dimethyl-benzene (aka 2,4,5,6-Tetrachloro-m-xylene) is a chlorinated derivative of m-xylene used as an internal standard in the analysis of organochlorides, particularly pesticides.
Pesticide	TCbenz	Benzene, tetrachloro	Organic chemical used as insecticide
Pesticide	Toxa	Toxaphene	Organochlorine insecticide in the cyclodiene class
Pesticide	Toxa-App	Toxaphene - Apparent	Organochlorine insecticide in the cyclodiene class
Pesticide	Toxa-C10	Toxaphene C10	Toxaphene C10
Pesticide	Toxa-C16	Toxaphene C16	Toxaphene C16
Pesticide	Toxa-C17	Toxaphene C17	Toxaphene C17
Pesticide	Toxa-C18	Toxaphene C18	Toxaphene C18
Pesticide	Toxa-C19	Toxaphene C19	Toxaphene C19
Pesticide	Toxa-tot	Toxaphene, total	Sum of Organochlorine insecticides in the cyclodiene class
Pesticide	Trif	Trifluralin	Trifluralin
Pesticide	aChlor	alpha-Chlordane	Alpha/cis isomer of Chlordane, an organochlorine insecticide in the cyclodiene class
Pesticide	aEnsulf	Endosulfan I	Isomer of Endosulfan, an organochlorine insecticide in the cyclodiene class
Pesticide	aHCH	alpha-HCH (aLindane)	Alpha isomer of Lindane, an organochlorine insecticide in the hexachlorocyclohexane class
Pesticide	aHepEpx	aHeptachlor-2,3-exo-epoxide	trans, isomer A Heptachlor Epoxide
Pesticide	bChlor	beta-Chlordane	Beta/trans isomer of Chlordane, an organochlorine insecticide in the cyclodiene class
Pesticide	bEnsulf	Endosulfan II	Isomer of Endosulfan, an organochlorine insecticide in the cyclodiene class
Pesticide	bHCH	beta-HCH	Beta isomer of Lindane, an organochlorine insecticide in the hexachlorocyclohexane class
Pesticide	bHepEpx	bHeptachlor epoxide	cis, isomer B Heptachlor Epoxide

Pesticide	cNona	cis-Nonachlor	Degradation product of chlordane (mediated by environmental processes)
Pesticide	dHCH	delta-HCH	Delta isomer of Lindane, an organochlorine insecticide in the hexachlorocyclohexane class
Pesticide	gChlor	gamma-Chlordane	Gamma isomer of Chlordane, an organochlorine insecticide in the cyclodiene class
Pesticide	gHCH	gamma-HCH (Lindane)	Lindane, an organochlorine insecticide in the hexachlorocyclohexane class
Pesticide	pp-DDD+DDE+DDT	p,p'-DDE + DDE + DDT	Total DDT and metabolic breakdown products.
Pesticide	ppDDDoDDT	p,p'DDD(DDD) & o,p'DDT (as combo)	No description available
Pesticide	tNona	trans-Nonachlor	Degradation product of chlordane (mediated by environmental processes)
Phosphorus	P	Phosphorus, Elemental	Unbound, elemental phosphorus
Phosphorus	P-NaOH as P	Phosphorus, Base Extractable as P	Phosphorus portion of the phosphate molecule obtained using base extraction
Phosphorus	P-NaOH as PO4	Phosphorus, Base Extractable as PO4	Entire base extractable phosphate molecule
Phosphorus	P-ah as P	Phosphorus, Acid-Hydrolyzable as P	Phosphorus portion of acid-hydrolyzable phosphate molecule
Phosphorus	P-ah as PO4	Phosphorus, Acid-Hydrolyzable as PO4	Entire acid-hydrolyzable phosphate molecule
Phosphorus	P-inorg as P	Phosphorus, Inorganic as P	Phosphorus portion of inorganic (ortho plus acid-hydrolyzable) phosphate molecule
Phosphorus	P-inorg as PO4	Phosphorus, Inorganic as PO4	Entire inorganic (ortho plus acid-hydrolyzable) phosphate molecule
Phosphorus	P-org as P	Phosphorus, Organic as P	Phosphorus portion of organic phosphate molecules
Phosphorus	P-org as PO4	Phosphorus, Organic as PO4	Entire organic phosphate molecule
Phosphorus	P-ortho as P	Phosphorus, Orthophosphorus as P	Phosphorus portion of the orthophosphate molecule
Phosphorus	P-ortho as PO4	Phosphorus, Orthophosphorus as PO4	Entire orthophosphate molecule
Phosphorus	P-tot	Phosphorus, Total as P	Phosphorus portion of phosphate molecule across all phosphate forms
Phosphorus	PO4-tot	Phosphorus, Total as PO4	Entire phosphate molecule across all phosphate forms
Plankton	BIOMASS	Calculated biomass	Calculated biomass (ug/m3) for each species
Plankton	BIOVOLUME	Biovolume per ml	Calculated biovolume/ml for each species
Plankton	BIOVOL_IND	Biovolume per individual	Average biovolume per cell.
Plankton	BIO_IND	Biomass per individual.	Biomass (ug) per individual organism.
Plankton	CELLML	Cells per ml	Calculated cells/ml for each species.
Plankton	CELLTALLY	Cell Tally	Number of cells of each species actually counted
Plankton	CENEMPTY	Dead centric diatoms	Number of dead centric diatoms encountered in utermohl count - used to calculate diatom numbers
Plankton	CENLIVE	Live centric diatoms	Number of live centric diatoms encountered in utermohl count - used to calculate diatom numbers
Plankton	CFACTOR	Utermohl concentration factor	Concentration factor of utermohl sample (calculated from volume settled and area scanned)
Plankton	CHAMBER_AREA	Chamber area	Total area of chamber bottom (mm2).
Plankton	CMEASURED	Cells measured	Number of organisms measured
Plankton	Chlor-a	Chlorophyll-a	Photosynthetic pigment in almost all plants, including phytoplankton and macrophytes
Plankton	Chlor-b	Chlorophyll-b	Accessory pigment found in vascular plants, green algae, and Euglenoids
Plankton	Chlor-c	Chlorophyll-c	Accessory pigment found in kelps, golden-brown algae, diatoms, and Xanthophytes
Plankton	DATASET	Dataset Number, GLNPO	Dataset number - corresponding to a sampling run on a lake. This is assigned by GLNPO
Plankton	DEPTH10	Depth_10	Depth of 10th plankton measured
Plankton	DEPTH11	Depth11	Depth of 11th plankton measured
Plankton	DEPTH12	Depth12	Depth of 12th plankton measured
Plankton	DEPTH13	Depth13	Depth of 13th plankton measured
Plankton	DEPTH14	Depth14	Depth of 14th plankton measured
Plankton	DEPTH15	Depth15	Depth of 15th plankton measured
Plankton	DEPTH16	Depth16	Depth of 16th plankton measured
Plankton	DEPTH17	Depth17	Depth of 17th plankton measured
Plankton	DEPTH18	Depth18	Depth of 18th plankton measured
Plankton	DEPTH19	Depth19	Depth of 19th plankton measured
Plankton	DEPTH20	Depth20	Depth of 20th plankton measured
Plankton	DEPTH_1	Depth_1	Depth of 1st plankton measured
Plankton	DEPTH_2	Depth_2	Depth of 2nd plankton measured
Plankton	DEPTH_3	Depth_3	Depth of 3rd plankton measured
Plankton	DEPTH_4	Depth_4	Depth of 4th plankton measured
Plankton	DEPTH_5	Depth_5	Depth of 5th plankton measured
Plankton	DEPTH_6	Depth_6	Depth of 6th plankton measured
Plankton	DEPTH_7	Depth_7	Depth of 7th plankton measured
Plankton	DEPTH_8	Depth_8	Depth of 8th plankton measured
Plankton	DEPTH_9	Depth_9	Depth of 9th plankton measured
Plankton	DFACTOR	Diatom conversion factor	Conversion factor for micrometers used for diatom measurements
Plankton	DIAMETER10	Diameter_10	Diameter of 10th plankton measured
Plankton	DIAMETER11	Diameter11	Diameter of 11th plankton measured
Plankton	DIAMETER12	Diameter12	Diameter of 12th plankton measured
Plankton	DIAMETER13	Diameter13	Diameter of 13th plankton measured
Plankton	DIAMETER14	Diameter14	Diameter of 14th plankton measured
Plankton	DIAMETER15	Diameter15	Diameter of 15th plankton measured
Plankton	DIAMETER16	Diameter16	Diameter of 16th plankton measured
Plankton	DIAMETER17	Diameter17	Diameter of 17th plankton measured
Plankton	DIAMETER18	Diameter18	Diameter of 18th plankton measured
Plankton	DIAMETER19	Diameter19	Diameter of 19th plankton measured
Plankton	DIAMETER20	Diameter20	Diameter of 20th plankton measured
Plankton	DIAMETER_1	Diameter_1	Diameter of 1st plankton measured
Plankton	DIAMETER_2	Diameter_2	Diameter of 2nd plankton measured
Plankton	DIAMETER_3	Diameter_3	Diameter of 3rd plankton measured
Plankton	DIAMETER_4	Diameter_4	Diameter of 4th plankton measured
Plankton	DIAMETER_5	Diameter_5	Diameter of 5th plankton measured
Plankton	DIAMETER_6	Diameter_6	Diameter of 6th plankton measured
Plankton	DIAMETER_7	Diameter_7	Diameter of 7th plankton measured
Plankton	DIAMETER_8	Diameter_8	Diameter of 8th plankton measured
Plankton	DIAMETER_9	Diameter_9	Diameter of 9th plankton measured
Plankton	FA	Females in Split A	Number of female animals in split A (final sample volume)
Plankton	FB	Females in Split B	Number of female animals in split B (final sample volume)
Plankton	FC	Females in Split C	Number of female animals in split C (penultimate split)

Plankton	FD	Females in Split D	Number of female animals in split D
Plankton	LENGTH10	Length_10	Length of 10th animal measured
Plankton	LENGTH11	Length_11	Length of 11th animal measured
Plankton	LENGTH12	Length_12	Length of 12th animal measured
Plankton	LENGTH13	Length_13	Length of 13th animal measured
Plankton	LENGTH14	Length_14	Length of 14th animal measured
Plankton	LENGTH15	Length_15	Length of 15th animal measured
Plankton	LENGTH16	Length_16	Length of 16th animal measured
Plankton	LENGTH17	Length_17	Length of 17th animal measured
Plankton	LENGTH18	Length_18	Length of 18th animal measured
Plankton	LENGTH19	Length_19	Length of 19th animal measured
Plankton	LENGTH20	Length_20	Length of 20th animal measured
Plankton	LENGTH_1	Length_1	Length of 1st animal measured
Plankton	LENGTH_2	Length_2	Length of 2nd animal measured
Plankton	LENGTH_3	Length_3	Length of 3rd animal measured
Plankton	LENGTH_4	Length_4	Length of 4th animal measured
Plankton	LENGTH_5	Length_5	Length of 5th animal measured
Plankton	LENGTH_6	Length_6	Length of 6th animal measured
Plankton	LENGTH_7	Length_7	Length of 7th animal measured
Plankton	LENGTH_8	Length_8	Length of 8th animal measured
Plankton	LENGTH_9	Length_9	Length of 9th animal measured
Plankton	MA	Males in Split A	Number of male animals in split A
Plankton	MB	Males in Split B	Number of male animals in split B
Plankton	MC	Males in Split C	Number of male animals in split C
Plankton	MD	Males in Split D	Number of male animals in split D
Plankton	MICFACT	Micrometer Conversion Factor,	Conversion factor for micrometer used in crustacean measurements
Plankton	MICROMETER_UNITS	Micrometer units	Multiplication factor to convert scope units to microns.
Plankton	NUMM3	Number per m3	Calculated density (organisms per cubic meter) for each species
Plankton	NUM_JAR	Number per jar	Number of organisms per sample.
Plankton	PENNEEMPTY	Dead pennate diatoms	Number of dead pennate diatoms encountered in utermohl count - used to calculate diatom numbers
Plankton	PENNLIVE	Live pennate diatoms	Number of live pennate diatoms encountered in utermohl count - used to calculate diatom numbers
Plankton	ROTA	Rotifer Count A	First rotifer count
Plankton	ROTAB	ROTA + ROTB	Sum of rotifer counts A and B
Plankton	ROTB	Rotifer Count B	Second (duplicate) rotifer count
Plankton	ROTFACT	Micrometer Conversion Factor,	Conversion factor for micrometer used in rotifer measurements
Plankton	ROTSPLIT	Rotifer split	Split rotifer sample was taken from
Plankton	ROTVOL	Rotifer Volume	Volume of split rotifer samples taken from
Plankton	SCANAREA	Area scanned	Area of the utermohl chamber scanned - used for biovolume calculations
Plankton	SEX10	Sex_10	Sex of 10th animal.
Plankton	SEX11	Sex_11	Sex of 11th animal.
Plankton	SEX12	Sex_12	Sex of 12th animal.
Plankton	SEX13	Sex_13	Sex of 13th animal.
Plankton	SEX14	Sex_14	Sex of 14th animal.
Plankton	SEX15	Sex_15	Sex of 15th animal.
Plankton	SEX16	Sex_16	Sex of 16th animal.
Plankton	SEX17	Sex_17	Sex of 17th animal.
Plankton	SEX18	Sex_18	Sex of 18th animal.
Plankton	SEX19	Sex_19	Sex of 19th animal.
Plankton	SEX20	Sex_20	Sex of 20th animal.
Plankton	SEX_1	Sex_1	Sex of 1st animal.
Plankton	SEX_2	Sex_2	Sex of 2nd animal.
Plankton	SEX_3	Sex_3	Sex of 3rd animal.
Plankton	SEX_4	Sex_4	Sex of 4th animal.
Plankton	SEX_5	Sex_5	Sex of 5th animal.
Plankton	SEX_6	Sex_6	Sex of 6th animal.
Plankton	SEX_7	Sex_7	Sex of 7th animal.
Plankton	SEX_8	Sex_8	Sex of 8th animal.
Plankton	SEX_9	Sex_9	Sex of 9th animal.
Plankton	SPECCODE	Species Code, GLNPO	Shortened (8 character) code for species, usually first three letters of genus, and remaining letters of species. This should remain consistent with past data
Plankton	SPLIT	First Split counted	First split counted (split D)
Plankton	SPLITA	Split_A	Dilution factor for last (most dilute) split - splits A and B are same dilutor
Plankton	SPLITB	Split_B	Dilution factor for last (most dilute) split - splits A and B are same dilutor
Plankton	SPLITC	Split_C	Dilution factor for second split counted
Plankton	SPLITD	Split_D	Dilution factor for first split counted (i.e. least dilute split)
Plankton	SUBMLA	Subsample_A	Number of one ml subsamples counted for rotifer count A (same as number of mls examined)
Plankton	SUBMLB	Subsample_B	Number of one ml subsamples counted for rotifer count B (same as number of mls examined)
Plankton	Taxon	Taxon	Phylogenic (taxonomic) identification for a sample organism
Plankton	VALVES	Number of valves	Number of valves counted in diatom counts
Plankton	VOLSETTLED	Volume settled	Volume of sample settled in utermohl chamber - used for biovolume calculations
Plankton	WIDTH10	Width_10	Width of 10th animal measured
Plankton	WIDTH11	Width_11	Width of 11th animal measured
Plankton	WIDTH12	Width_12	Width of 12th animal measured
Plankton	WIDTH13	Width_13	Width of 13th animal measured
Plankton	WIDTH14	Width_14	Width of 14th animal measured
Plankton	WIDTH15	Width_15	Width of 15th animal measured
Plankton	WIDTH16	Width_16	Width of 16th animal measured
Plankton	WIDTH17	Width_17	Width of 17th animal measured
Plankton	WIDTH18	Width_18	Width of 18th animal measured
Plankton	WIDTH19	Width_19	Width of 19th animal measured
Plankton	WIDTH20	Width_20	Width of 20th animal measured
Plankton	WIDTH_1	Width_1	Width of 1st animal measured
Plankton	WIDTH_2	Width_2	Width of 2nd animal measured
Plankton	WIDTH_3	Width_3	Width of 3rd animal measured

Plankton	WIDTH_4	Width_4	Width of 4th animal measured
Plankton	WIDTH_5	Width_5	Width of 5th animal measured
Plankton	WIDTH_6	Width_6	Width of 6th animal measured
Plankton	WIDTH_7	Width_7	Width of 7th animal measured
Plankton	WIDTH_8	Width_8	Width of 8th animal measured
Plankton	WIDTH_9	Width_9	Width of 9th animal measured
Plankton	Xantho	Xanthophyll	Plastid pigment found in Xanthophytes
Polybrominated compounds	PBB-tot	total Polybrominated biphenyls	total Polybrominated biphenyls
Polybrominated compounds	PBB_153	2,2',4,4',5,5'-hexabromobiphenyl	2,2',4,4',5,5'-hexabromobiphenyl
Polybrominated compounds	PBDE_047	2,2',4,4'-tetrabrominated diphenyl	2,2',4,4'-tetrabrominated diphenyl ether
Polybrominated compounds	PBDE_066	2,3',4,4'-tetrabrominated diphenyl	2,3',4,4'-tetrabrominated diphenyl ether
Polybrominated compounds	PBDE_099	2,2',4,4',5-pentabrominated diphenyl	2,2',4,4',5-pentabrominated diphenyl ether
Polybrominated compounds	PBDE_100	2,2',4,4',6-pentabrominated diphenyl	2,2',4,4',6-pentabrominated diphenyl ether
Polybrominated compounds	PBDE_153	2,2',4,4',5,5'-hexabrominated diphenyl	2,2',4,4',5,5'-hexabrominated diphenyl ether
Polybrominated compounds	PBDE_154	2,2',4,4',5,6'-hexabrominated diphenyl	2,2',4,4',5,6'-hexabrominated diphenyl ether
Polychlorinated Biphenyl	Aro-1016	Aroclor-1016	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 41% chlorine by weight
Polychlorinated Biphenyl	Aro-1221	Aroclor-1221	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 21% chlorine by weight
Polychlorinated Biphenyl	Aro-1232	Aroclor-1232	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 32% chlorine by weight
Polychlorinated Biphenyl	Aro-1240	Aroclor-1240	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 40% chlorine by weight
Polychlorinated Biphenyl	Aro-1242	Aroclor-1242	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 42% chlorine by weight
Polychlorinated Biphenyl	Aro-1248	Aroclor-1248	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 48% chlorine by weight
Polychlorinated Biphenyl	Aro-1252	Aroclor-1252	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 52% chlorine by weight
Polychlorinated Biphenyl	Aro-1254	Aroclor-1254	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 54% chlorine by weight
Polychlorinated Biphenyl	Aro-1260	Aroclor-1260	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 60% chlorine by weight
Polychlorinated Biphenyl	Aro-1262	Aroclor-1262	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 62% chlorine by weight
Polychlorinated Biphenyl	Aro-1268	Aroclor-1268	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 68% chlorine by weight
Polychlorinated Biphenyl	Aro-4465	Aroclor-4465	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 65% chlorine by weight
Polychlorinated Biphenyl	Aro-5442	Aroclor-5442	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 42% chlorine by weight
Polychlorinated Biphenyl	Aro-5460	Aroclor-5460	Polychlorinated biphenyl mixture - trade name for Monsanto product containing 60% chlorine by weight
Polychlorinated Biphenyl	Aro-Tot	Total Aroclors	Total of all Aroclors
Polychlorinated Biphenyl	PCB-Hoff	Suite of PCBs in air from Hoff, 1999	P004_A P005_A P006 P012 P016 P018 P019 P022,P025 P026 P028 P029 P031 P032 P033 P037 P041 P043 P044 P045 P047,P048 P049 P052 P053 P056_C P064 P066 P070_A P074 P077 P081 P084_A ,P087 P089 P091 P095 P097 P099 P101 P110 P118 P123_A P135_B P136 P138_A P156 P16
Polychlorinated Biphenyl	PCB-Hoff2	Second Suite of PCBs in air from Hoff, 1999	SUM(P004_A,P005_A,P006,P007,P012,P015,P016,P017,P018,P019,P022,P025,P026,P028,P029,P031,P032,P033,P037,P041_B,P042,P043,P044,P045,P047,P048,P049,P052,P053,P056_C,P064,P066,P070_A,P074,P077,P081,P084_A,P087,P089,P091,P095,P097,P099,P101,P110,P118,P123_A,P1
Polychlorinated Biphenyl	PCB-Suite	Suite of PCBs for IADN	Sum of PCB IN SUITE from M. Neilson's list May 2000.
Polychlorinated Biphenyl	PCB-hepta	Heptachlorobiphenyl	Total Heptachlorobiphenyl
Polychlorinated Biphenyl	PCB-tot	total PCBs	Total polychlorinated biphenyl across all isomer/congener molecules
Polychlorinated Biphenyl	PCB-tot-IU	Suite of PCBs from Ind. Univ.	Sum of all PCBs According to Indiana Univ.
Polychlorinated Biphenyl	PCB-tot-L	Total PCB mass calculate by lab	TOTAL PCB MASS CALCULATED BY ISWS source- lab analysis spreadsheets
Polychlorinated Biphenyl	PCB-tot2	Second PCB total for IADN	Sum of all PCBs GREATER THAN 16 TO COMPARE XAD2 AND PUF EXTRACTED FOR PCBs
Polychlorinated Biphenyl	PCB-tot3	Third PCB total for IADN	Sum of all PCBs summed as per lab copy of the lab PCB total calculation (variable- TOTPCBL)
Polychlorinated Biphenyl	PCB_001	2-Chlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled:2
Polychlorinated Biphenyl	PCB_002	3-Chlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled: 3
Polychlorinated Biphenyl	PCB_003	4-Chlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled: 4
Polychlorinated Biphenyl	PCB_004	2,2'-Dichlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled: 2,2'
Polychlorinated Biphenyl	PCB_004+010	Isomer/Congener 4+10 mixture	Co-eluted mixture of polychlorinated biphenyl isomer/congener 4 and isomer/congener 10
Polychlorinated Biphenyl	PCB_005	2,3-Dichlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled:2,3
Polychlorinated Biphenyl	PCB_006	2,3'-Dichlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled:2,3'
Polychlorinated Biphenyl	PCB_007	2,4-Dichlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled: 2,4
Polychlorinated Biphenyl	PCB_007+009	Isomer/Congener 7+9 mixture	Co-eluted mixture of polychlorinated biphenyl isomer/congener 7 and isomer/congener 9
Polychlorinated Biphenyl	PCB_008	2,4'-Dichlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled: 2,4'
Polychlorinated Biphenyl	PCB_008+005	Isomer/Congener 8+5 mixture	Co-eluted mixture of polychlorinated biphenyl isomer/congener 8 and isomer/congener 5
Polychlorinated Biphenyl	PCB_009	2,5-Dichlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled: 2,5
Polychlorinated Biphenyl	PCB_010	2,6-Dichlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled: 2,6
Polychlorinated Biphenyl	PCB_011	3,3'-Dichlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled: 3,3'

Polychlorinated Biphenyl	PCB_208	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled: 2,2',3,3',4,5,5',6,6'
Polychlorinated Biphenyl	PCB_208+195	Isomer/Congener 208+195 mixture	Co-eluted mixture of polychlorinated biphenyl isomer/congener 208 and isomer/congener 195
Polychlorinated Biphenyl	PCB_209	2,2',3,3',4,4?,5,5',6,6'-Decachlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled: 2,2',3,3',4,4?,5,5',6,6'
Polychlorinated Biphenyl	PeCB	Pentachlorobiphenyls	Pentachlorobiphenyls
Polycyclic Aromatic Hydrocarbon	124Tcbz	Benzene, 1,2,4-trichloro	Organic chemical used in heat transfer and dielectric fluids and to make chemicals, insecticides, and fungicides
Polycyclic Aromatic Hydrocarbon	12Dcbz	Benzene, o-dichloro	Organic chemical used in dry cleaning, and as a degreaser and insecticide
Polycyclic Aromatic Hydrocarbon	13Dcbz	Benzene, m-dichloro	Organic chemical used as a fumigant and insecticide
Polycyclic Aromatic Hydrocarbon	14Dcbz	Benzene, p-dichloro	Organic chemical used as a moth killer and in deodorant blocks
Polycyclic Aromatic Hydrocarbon	1Mnap	Naphthalene,1-methyl	Polycyclic aromatic hydrocarbon derived from coal tar, used in organic synthesis and in the manufacture of insecticides
Polycyclic Aromatic Hydrocarbon	23dhi	Indan	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	245Tcp	Phenol, 2,4,5-trichloro	Organic chemical used in the synthesis of various herbicides, and in cooling towers, paper and pulp mill systems
Polycyclic Aromatic Hydrocarbon	246Tcp	Phenol, 2,4,6-trichloro	Organic chemical used as a pesticide, antiseptic, and wood preserver
Polycyclic Aromatic Hydrocarbon	24DNP	Phenol, 2,4-dinitro	Organic chemical used in dyes, photo developers, explosives, and wood preservatives
Polycyclic Aromatic Hydrocarbon	24DNT	Toulene, 2,4-dinitro	Organic chemical used in the manufacture of polyurethane foams and dyes
Polycyclic Aromatic Hydrocarbon	24Dcph	Phenol, 2,4-dichloro	Organic chemical used in organic synthesis, pesticides, insecticides, and wood preservatives
Polycyclic Aromatic Hydrocarbon	24Dmph	2,4-Xylenol	Organic chemical used in disinfectants, solvents, pharmaceuticals, and insecticides
Polycyclic Aromatic Hydrocarbon	26DNT	Toluene, 2,6-dinitro	Organic chemical used in the manufacture of polyurethane foams and dyes
Polycyclic Aromatic Hydrocarbon	2CInap	Naphthalene, 2-chloro	Polycyclic aromatic hydrocarbon used in the production of electric condensers and in the insulation of electric cables and wires
Polycyclic Aromatic Hydrocarbon	2C1phe	Phenol-o-chloro	Organic chemical used as an intermediate in chemical manufacturing
Polycyclic Aromatic Hydrocarbon	2M46dnp	o-Cresol,4,6-dinitro	Organic chemical used as an herbicide and insecticide
Polycyclic Aromatic Hydrocarbon	2Mnap	Naphthalene, 2-methyl	Polycyclic aromatic hydrocarbon used in the manufacture of pesticides
Polycyclic Aromatic Hydrocarbon	2Mphe	o-Cresol	Organic chemical used as a solvent and disinfectant, also found in coal tar and wood preservatives
Polycyclic Aromatic Hydrocarbon	2Nphe	Phenol, o-nitro	Organic chemical used to make dyestuffs, pesticides, and other chemicals
Polycyclic Aromatic Hydrocarbon	33DCBZ	Benzidine, 3,3'-dichloro	Organic chemical used in the manufacture of dyes and pigments
Polycyclic Aromatic Hydrocarbon	4C13mp	m-Cresol, 4-chloro	Organic chemical used as an external germicide, and as a preservative for glues, paints, inks, and textiles
Polycyclic Aromatic Hydrocarbon	4Mphe	p-Cresol	Organic chemical used as a solvent and disinfectant, also found in coal tar and wood preservatives
Polycyclic Aromatic Hydrocarbon	4Nphe	Phenol, p-nitro	Organic chemical used to make other chemicals and as a fungicide
Polycyclic Aromatic Hydrocarbon	5mc	Chrysene, 5-methyl	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	Anaphyl	Acenaphthylene	Polynuclear aromatic hydrocarbon formerly used as an insecticide and fungicide
Polycyclic Aromatic Hydrocarbon	Anthra	Anthracene	Polynuclear aromatic hydrocarbon derived from coal tar, used in manufacture of dyes
Polycyclic Aromatic Hydrocarbon	Athene	Acenaphthene	Strictly NOT a Polynuclear aromatic hydrocarbon; derived from coal tar, used in manufacture of dyes and plastics
Polycyclic Aromatic Hydrocarbon	BBP	Phthalic acid, benzyl butyl ester	Polycyclic aromatic hydrocarbon used as a plasticizer for resins, as an organic intermediate, and as a solvent
Polycyclic Aromatic Hydrocarbon	BghiPery	Benzo(ghi)perylene	Polynuclear aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	Biphen	Biphenyl	Polycyclic aromatic hydrocarbon used as a heat transfer agent, a fungicide, and to make other chemicals
Polycyclic Aromatic Hydrocarbon	Bzacid	Benzoic-acid	Organic chemical used as a food preservative and in the manufacture of chemicals and dyes
Polycyclic Aromatic Hydrocarbon	Bzalc	Benzyl-alcohol	Organic chemical used as a solvent and chemical intermediate and in many industrial and commercial products
Polycyclic Aromatic Hydrocarbon	Bzf	Benzofuran	Organic chemical found in a coal oil-derived resin which is used to make paints, varnishes, and coatings
Polycyclic Aromatic Hydrocarbon	Cbzole	Carbazole	Polycyclic aromatic hydrocarbon used as a dye intermediate and in the manufacture of other chemicals
Polycyclic Aromatic Hydrocarbon	Chrys	Chrysene	Polynuclear aromatic hydrocarbon occurring in coal tar
Polycyclic Aromatic Hydrocarbon	Coron	Coronene	Polynuclear aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	DBP	Phthalic acid, dibutyl ester	Polycyclic aromatic hydrocarbon used in manufacture of plastics and other chemicals
Polycyclic Aromatic Hydrocarbon	DEP	Phthalic acid, diethyl ester	Polycyclic aromatic hydrocarbon used as a solvent, as a vehicle for pesticide sprays, and in perfume manufacture
Polycyclic Aromatic Hydrocarbon	DMP	Phthalic acid, dimethyl ester	Polycyclic aromatic hydrocarbon used as a plasticizer and solvent
Polycyclic Aromatic Hydrocarbon	DPN	Dipropylamine, N-nitroso	Organic chemical produced for use in research and as a side reaction in some manufacturing processes
Polycyclic Aromatic Hydrocarbon	Dbz1p	Dibenzo(def,p)chrysene	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	Dbzep	Naphtho(1,2,3,4-def)chrysene	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	Dbzfur	Dibenzofuran	Polycyclic aromatic hydrocarbon used as an insecticide
Polycyclic Aromatic Hydrocarbon	Dbzip	Benzo(rst)pentaphene	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	Dbzt	Dibenzothiophene	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	DiAnth(ac)	Dibenzo(a,c)anthracene	Polynuclear aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	DiAnth(ah)	Dibenzo(a,h)anthracene	Polynuclear aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	Dnoph	Phthalic acid, dioctyl ester	Polycyclic aromatic hydrocarbon used as a plasticizer
Polycyclic Aromatic Hydrocarbon	Fluor	Fluorene	Polynuclear aromatic hydrocarbon occurring in coal tar
Polycyclic Aromatic Hydrocarbon	Fluora	Fluoranthene	Polynuclear aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	HCCP	Hexachlorocyclopentadiene	Organic chemical used in making pesticides and flame retardant materials
Polycyclic Aromatic Hydrocarbon	Hcbd	1,3-Butadiene, hexachloro	Organic chemical used as a solvent and heat transfer fluid
Polycyclic Aromatic Hydrocarbon	Hce	Ethane, hexachloro	Organic chemical used in animal medicines, as an insecticide, and in smoke making devices
Polycyclic Aromatic Hydrocarbon	InPy	Indeno(123cd)pyrene	Polynuclear aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	Indene	Indene	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	Indole	Indole	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	Isophor	Isophorone	Organic chemical used as a solvent in inks, lacquers, paints, and adhesives

Polycyclic Aromatic Hydrocarbon	NDPA	Diphenylamine, N-nitroso	Polycyclic aromatic hydrocarbon formerly used in the manufacture of rubber products
Polycyclic Aromatic Hydrocarbon	Naphth	Naphthalene	Polynuclear aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	Nbenz	Benzene, nitro	Organic chemical used in the manufacture of other chemicals
Polycyclic Aromatic Hydrocarbon	OCN	Naphthalene, octachloro-	Octachloronaphthalene (C10Cl8)
Polycyclic Aromatic Hydrocarbon	PAH-tot	Total PAHs	No description available
Polycyclic Aromatic Hydrocarbon	PCP	Phenol, pentachloro	Organic chemical used as a pesticide and wood preservative
Polycyclic Aromatic Hydrocarbon	Peryl	Perylene	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	Phena	Phenanthrene	Polynuclear aromatic hydrocarbon occurring in coal tar
Polycyclic Aromatic Hydrocarbon	Phenol	Phenol	Organic chemical used mainly in the plastics industry
Polycyclic Aromatic Hydrocarbon	Pyrene	Pyrene	Polynuclear aromatic hydrocarbon occurring in coal tar
Polycyclic Aromatic Hydrocarbon	Quin	Quinoline	Organic chemical used in pharmaceuticals, as a solvent, and to make dyes, paints and other chemicals
Polycyclic Aromatic Hydrocarbon	Retene	Retene	Polynuclear aromatic hydrocarbon occurring in pine tar, fossilized pine, and other high-boiling-point tars and oils
Polycyclic Aromatic Hydrocarbon	Styr	Styrene	Organic chemical used in polystyrene plastics, protective coatings, polyesters, resins, and as a chemical intermediate
Polycyclic Aromatic Hydrocarbon	TCDD	Dibenzo-p-dioxin, 2,3,7,8-tetrachloro	Organic chemical present in certain herbicide and fungicide formulations
Polycyclic Aromatic Hydrocarbon	Triph	Triphenylene	Polycyclic aromatic hydrocarbon C18H12
Polycyclic Aromatic Hydrocarbon	Triph+Chrys	Triphenylene + Chrysene	Combination of Polycyclic aromatic hydrocarbons Triphenylene and Chrysene
Polycyclic Aromatic Hydrocarbon	VC	Vinyl chloride	Organic chemical used in the manufacture of polyvinyl chloride
Polycyclic Aromatic Hydrocarbon	Xyl	Xylene	Organic chemical occurring in petroleum and coal tar, used in solvent, cleaning agents, and fuels
Polycyclic Aromatic Hydrocarbon	b2Cee	Ether, bis(2-chloroethyl)	Organic chemical used in the production of pesticides and other chemicals
Polycyclic Aromatic Hydrocarbon	b2Cexm	Methane, bis(2-chloroethoxy)	Organic chemical used as a solvent and as an intermediate for polysulfide rubber
Polycyclic Aromatic Hydrocarbon	b2Cipe	Ether, bis(2-chloro-1-methyl-ethyl)	Organic chemical used in laboratories and industrial organic synthesis, textile treatments, and pesticide manufacturing
Polycyclic Aromatic Hydrocarbon	b2Ehph	Phthalic acid, bis(2-ethyl-hexyl) ester	Polycyclic aromatic hydrocarbon used as a plasticizer
Polycyclic Aromatic Hydrocarbon	bFluor	Benzo(a)fluoranthene	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	baAnth	Benzo(a)anthracene	Polynuclear aromatic hydrocarbon occurring in coal tar
Polycyclic Aromatic Hydrocarbon	baPy	Benzo(a)pyrene	Polynuclear aromatic hydrocarbon occurring in coal tar
Polycyclic Aromatic Hydrocarbon	bbAnth	Benzo(b)anthracene	Polynuclear aromatic hydrocarbon occurring in coal tar
Polycyclic Aromatic Hydrocarbon	bbFluor	Benzo(b)fluoranthene	Polynuclear aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	bbthio	Benzo(b)thiophene	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	bePy	Benzo(e)pyrene	Polynuclear aromatic hydrocarbon occurring in coal tar
Polycyclic Aromatic Hydrocarbon	bkFluor	Benzo(k)fluoranthene	Polynuclear aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	mNan	Aniline, m-nitro	Organic chemical used as a dyestuff intermediate
Polycyclic Aromatic Hydrocarbon	oNan	Aniline, o-nitro	Organic chemical used in dyestuff intermediates, and in the synthesis of photographic antifogging agents
Polycyclic Aromatic Hydrocarbon	pBrppe	p-Bromophenyl phenyl ether	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	pClan	Aniline, p-chloro	Organic chemical used as a dye intermediate, and in pharmaceuticals and agricultural chemicals
Polycyclic Aromatic Hydrocarbon	pClppe	p-Chlorophenyl phenyl ether	Polycyclic aromatic hydrocarbon
Polycyclic Aromatic Hydrocarbon	pNan	Aniline, p-nitro	Organic chemical used as an intermediate for dyes, antioxidants and gasoline, as a corrosion inhibitor, and in pesticides
Productivity	Fluor-chla	Fluorescence (Seabird)	Fluorescence (Seabird)
Productivity	PrimProd-G	Primary Productivity, Gross	Sum total of energy from the sun that is assimilated (i.e., total photosynthesis) by plants
Productivity	PrimProd-N	Primary Productivity, Net	Sum total of energy from the sun that is assimilated (i.e., total photosynthesis) by plants minus the energy required by plants for respiration
Productivity	SecProd	Secondary Productivity	Net energy from the sun that is assimilated in consumer organisms (i.e., net energy left over from maintenance and respiration of consumer organisms)
Radionuclide	C-13/C-12	Carbon-13/Carbon-12	Ratio of Carbon-13 to Carbon-12 radioisotopes
Radionuclide	C-14	Carbon-14	Radioisotope Carbon 14
Radionuclide	Cs137	Cesium 137	Radioisotope of cesium
Radionuclide	Ni60	Nickel isotope 60	Radioisotope of nickel
Radionuclide	Pb210	Lead isotope 210	Radioisotope of lead
Salinity	Chlorinity	Chlorinity	Sum of chloride, bromide, and iodide reported as chloride
Salinity	Chlorosity	Chlorosity	Chlorinity multiplied by water density at 20 degrees C
Salinity	Salinity	Salinity	Total solids after oxidizing carbonates/organics and converting bromide/iodide to chloride
Silica/Silicate	Si	Silicon, Elemental	Unbound, elemental silicon
Silica/Silicate	SiO2	Silica, Total	Entire silicon dioxide molecule
Silica/Silicate	SiO2 as Si	Silica, Total as Si	Silicon portion of the silicon dioxide molecule
Silica/Silicate	SiO2-bio	Silica, Biogenic	Silica arising from biological sources (e.g., diatoms)
Silica/Silicate	SiO2-bio as Si	Silica, Biogenic as Si	Silicon portion of the silicon dioxide molecule arising from biological sources (e.g., diatoms)
Silica/Silicate	SiO4/SiO3	Silica, Dissolved	Sum of all reactive silicate molecules
Silica/Silicate	SiO4/SiO3 as Si	Silica, Dissolved as Si	Sum of silicon portion of all reactive silicate molecules
Solid	Solids-Fix	Solids, Fixed	Residue of solids/solids fraction after ignition for a specific time at a specific temperature
Solid	Solids-Set	Solids, Settleable	Material settling out of suspension within a defined time period
Solid	Solids-Tot	Solids, Total	General matter suspended or and or dissolved in water or wastewater
Solid	Solids-Vol	Solids, Volatile	Weight lost by solids/solids fraction after ignition for a specific time at a specific temperature
Solid	TPM	Total Particulate Matter	Total Particulate Matter (for IADN precipitation samples)
Solid	TSP	Total Suspended Particulate Matter	Total Suspended Particulate Matter (for IADN vapor and particulate samples)
Sulfur/Sulfate	S	Sulfur	Unbound, elemental sulfur
Sulfur/Sulfate	SO4	Sulfate	Bivalent anion salt, or ester of sulfuric acid
Surrogate	13C-Chlor	13C-Chlordane	Surrogate for chlordane with a normal carbon (C12) replaced by radioisotope carbon tag (C13)
Surrogate	13C-Chlor_tox	13C-Chlor_tox	Carbon-13 tagged chlordane (tox run)
Surrogate	13C-DDE-pp	13C-p,p'-DDE	Carbon-13 tagged p,p'-DDE
Surrogate	13C-HCB	13C-Hexachlorobenzene	Carbon-13 tagged Hexachlorobenzene
Surrogate	13C-Lindane	13C-Lindane	Carbon-13 tagged lindane

Surrogate	13C-gHCH	13C-gHCH (Lindane)	Carbon-13 tagged Lindane
Surrogate	DBCE	Dibutylchloroendate	Surrogate for chlorenated pesticides
Surrogate	PCB_103	2,2',4,5',6'-Pentachlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting chlorine substitution at the 2, 2', 4, 5' and 6-carbon atoms of the biphenyl molecule
Surrogate	PCB_153	2,2',4,4',5,5'-Hexachlorobiphenyl	Polychlorinated biphenyl isomer/congener exhibiting substitution on the carbon atom(s) of the biphenyl molecule labeled: 2,2',4,4',5,5'
Surrogate	d5-Atra	d5-Atrazine	Surrogate for atrazine with 5 normal hydrogen atoms (H) replaced by heavy hydrogen tag (deuterium)
Surrogate	terbut	Terbutylazine	Surrogate for atrazine molecule (unstable in acid solutions)
Taxonomy/Phylogeny	GROUP	Plankton Group	3 Character code for Plankton Group
Taxonomy/Phylogeny	Pstaxon	Pseudotaxon	Identifier for a group of organisms often grouped together for scientific purposes that cannot be completely defined using taxonomic classification
Taxonomy/Phylogeny	SPECCODE	Species Code, GLNPO	Shortened (8 character) code for species, usually first three letters of genus, and remaining letters of species. This should remain consistent with past data
Taxonomy/Phylogeny	Taxon	Taxon	Phylogenic (taxonomic) identification for a sample organism
Transparency	BAT	Beam Attenuation (Seabird)	Beam Attenuation (Seabird)
Transparency	Secchi	Secchi Disc Transparency	Depth to which a standard Secchi disk is visible
Transparency	Solids-Fix	Solids, Fixed	Residue of solids/solids fraction after ignition for a specific time at a specific temperature
Transparency	Solids-Set	Solids, Settleable	Material settling out of suspension within a defined time period
Transparency	Solids-Tot	Solids, Total	General matter suspended or and or dissolved in water or wastewater
Transparency	Solids-Vol	Solids, Volatile	Weight lost by solids/solids fraction after ignition for a specific time at a specific temperature
Transparency	Trans-h	Transmittance, Horizontal	Percent light transmitted between two fixed horizontal points
Transparency	Trans-v	Transmittance, Vertical	Percent light penetrating to a specific depth
Transparency	Turb	Turbidity	Optical scattering of light due to materials in suspension (e.g., solids, algae, colloids, etc.)
Turbidity	Turb	Turbidity	Optical scattering of light due to materials in suspension (e.g., solids, algae, colloids, etc.)
Water Quality Surveys	Alk-tot as CaCO3	Alkalinity, Total as CaCO3	Acid titrant per volume of sample needed to reach the methyl orange endpoint or equivalent (reported as CaCO3)
Water Quality Surveys	BAT	Beam Attenuation (Seabird)	Beam Attenuation (Seabird)
Water Quality Surveys	Chlor-a	Chlorophyll-a	Photosynthetic pigment in almost all plants, including phytoplankton and macrophytes
Water Quality Surveys	Cl-	Chloride	Free, dissociated monovalent chloride ion
Water Quality Surveys	Cond	Conductivity	Measure of the flow of electrons through a solution (e.g., sample water)
Water Quality Surveys	Cond-amb	Conductivity (Seabird)	Conductivity (Seabird)
Water Quality Surveys	Cond-calc	Specific Conductance (Seabird)	Specific Conductance (Seabird)
Water Quality Surveys	Fluor-chla	Fluorescence (Seabird)	Fluorescence (Seabird)
Water Quality Surveys	NH3	Ammonia	Entire ammonia molecule
Water Quality Surveys	NH3-N	Ammonia-Nitrogen	Nitrogen portion of ammonia molecule
Water Quality Surveys	NH4	Ammonium	Entire ammonium molecule
Water Quality Surveys	NH4-N	Ammonium-Nitrogen	Nitrogen portion of ammonium molecule
Water Quality Surveys	NO2+NO3	Nitrogen, Total Oxidized	Total combination of oxidized (nitrate plus nitrite) nitrogen forms
Water Quality Surveys	O2diss	Oxygen, Dissolved	Oxygen dissolved in a solution
Water Quality Surveys	P	Phosphorus, Elemental	Unbound, elemental phosphorus
Water Quality Surveys	P-ortho as P	Phosphorus, Orthophosphorus as P	Phosphorus portion of the orthophosphate molecule
Water Quality Surveys	P-tot	Phosphorus, Total as P	Phosphorus portion of phosphate molecule across all phosphate forms
Water Quality Surveys	SO4	Sulfate	Bivalent anion salt, or ester of sulfuric acid
Water Quality Surveys	Secchi	Secchi Disc Transparency	Depth to which a standard Secchi disk is visible
Water Quality Surveys	Si	Silicon, Elemental	Unbound, elemental silicon
Water Quality Surveys	SiO2	Silica, Total	Entire silicon dioxide molecule
Water Quality Surveys	SiO4/SiO3 as Si	Silica, Dissolved as Si	Sum of silicon portion of all reactive silicate molecules
Water Quality Surveys	TKN	Nitrogen, Total Kjeldahl	Kjeldahl (organic plus ammonia) nitrogen forms
Water Quality Surveys	Temp	Temperature	Measure of the intensity or degree of heat in a sample or at a location
Water Quality Surveys	Trans-h	Transmittance, Horizontal	Percent light transmitted between two fixed horizontal points
Water Quality Surveys	Turb	Turbidity	Optical scattering of light due to materials in suspension (e.g., solids, algae, colloids, etc.)
Weather/Meteorological	Atmpres	Atmospheric pressure	Pressure created by the weight of the air in the earth's atmosphere
Weather/Meteorological	Cld cover	Cloud Cover	Percentage of sky occluded by clouds
Weather/Meteorological	Humid	Humidity	The amount of water vapor present in the air
Weather/Meteorological	RelHumid	Relative Humidity	Ratio of the amount of water vapor in the air and the amount that could be present (e.g., saturation) at a specific temperature
Weather/Meteorological	Sun	Solar radiation	Measure of the intensity of incident solar radiation
Weather/Meteorological	Temp	Temperature	Measure of the intensity or degree of heat in a sample or at a location
Weather/Meteorological	Tidehgt	Tidal Height	Distance above (or below) mean water level
Weather/Meteorological	Tidest	Tidal Stage	Semiquantitative text description for stage of the tide
Weather/Meteorological	Visibility	Visibility	Greatest distance, under given weather conditions, to which it is possible to see without instrumental assistance
Weather/Meteorological	Waveamp	Wave Amplitude	Distance between the highest crest and the position of "rest" (i.e., flatness) of a wave or series of waves
Weather/Meteorological	Wavedir	Wave Direction	Compass point (or degree measure?) from which waves are originating
Weather/Meteorological	Wavehgt	Wave Height	Distance between the highest crest and the deepest trough of a wave or series of waves
Weather/Meteorological	Waveper	Wave Period	Distance between two analogous points in a wave (e.g., crest to crest, trough to trough)
Weather/Meteorological	Wavest	Wave State	Semiquantitative text description of the state (or stage) reached by waves
Weather/Meteorological	Weath	Weather	Textual description of weather conditions
Weather/Meteorological	Wnddir	Wind Direction	Compass point (or degree measure?) from which the wind is originating
Weather/Meteorological	Wndfrc	Wind Force	Force of wind at a specific point
Weather/Meteorological	Wndspd	Wind Speed	Linear speed of air flowing past a specific point (not called velocity because there is no direction component)