

Reference Table Permitted Values

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSMCSNG	TYPE_CODE	Material Type	Brass	Brass or bronze
			Brick	Brick
			Coated Steel	Coated steel
			Concrete	Concrete
			Copper	Copper
			Fiberglass	Fiberglass
			Galvanized Iron	Galvanized iron
			Other Material	Other material
			Other Metal	Other metal
			Other Plastics	Other plastics
			PVC	PVC
			Plastic Glued	PVC, fiberglass, other plastic, glued
			Plastic Threaded	PVC, fiberglass, other plastic, threaded
			Plastic Unknown Coupling	PVC, fiberglass, other plastic, coupling attachment unknown
			Rock or Stone	Rock or stone
			Stainless Steel	Stainless steel
			Steel	Steel
			Teflon	Teflon
			Tile	Tile
			Wood	Wood
			Wrought Iron	Wrought iron

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSMFILL	MATERIAL_TYPE_CD	Material Type	Bentonite	Bentonite
			Bentonite Pellets	Bentonite pellets
			Cement	Cement grout
			Clay	Clay
			Concrete	Concrete
			Gravel	Gravel
			None	None
			Other	Other
			Packer	Packer
			Sand	Sand
			Sand and Gravel	Sand & gravel
			Well Cuttings	Well cutting or other natural material

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSMLOG	TYPE_CODE	Type	Acoustic Velocity	Acoustic Velocity
			Caliper	Caliper
			Collar	Collar well
			Core	Core well logging
			Dipmeter (Survey)	Dipmeter (survey)
			Driller	Driller's well logging
			Drilling Time	Drilling time log
			Electric	Electric well logging
			Fluid Velocity	Fluid velocity well logging
			Fluid-Conductivity	Fluid-conductivity well logging
			Gamma Ray (Natural)	Gamma ray (natural) well logging
			Gamma-Gamma	Gamma-gamma
			Geologist or Sample	Geologists or sample well logging
			Induction	Induction well logging
			Lateral Resistivity	Lateral-resistivity well logging
			Long-Normal Resistivity	Long-normal resistivity well logging
			Micro Resistivity	Micro-resistivity well logging
			Micro-Lateral	Micro-lateral well logging
			Micro-Normal	micro-normal well logging
			Neutron	Neutron well logging
			Nuclear Magnetic Resonance	Nuclear magnetic resonance logging
			Photographic or Video	Photographic or video well logging

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSMOPNG	MATERIAL_TYPE_CD	Material Type	Short-Normal Resistivity	Short-normal resistivity well logging
			Single-Point Resistance	Single-point-resistance well logging
			Spontaneous Potential	Spontaneous-potential well logging
			Temperature	Temperature well logging (Geothermal)
			Tracer	Tracer well logging
			Video Tape Record	Video tape record of features created by lowering a video camera into the well.
			Brass	Brass
			Iron	Iron
			Not Applicable	Not Applicable
			Perforated casing	Perforated Casing
			Rock	Rock

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSMOPNG	TYPE_CODE	Opening Type	Fractured Rock	Fractured Rock
			Louvered Screen	Louvered Screen
			Mesh Screen	Mesh Screen
			Open Hole	Open Hole
			Other	Other
			Perforated	Perforated
			Porous	Porous
			Sand Point	Sand Point
			Screen (unknown)	Unknown Screen
			Shuttered Screen	Shuttered Screen
			Slotted	Slotted
			Unscreened	Unscreened
			Walled	Walled
			Wire-wound	Wire-wound

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSMPUMP	TYPE_CODE	Type	Air Lift	Air lift
			Bladder	Bladder pump
			Bucket	Bucket
			Centrifugal	Centrifugal pump
			Jet	Jet
			None	None
			Other	Other
			Piston	Piston pump
			Rotary	Rotary pump
			Submersible	Submersible pump
			Suction	Suction pump
			Turbine	Turbine pump

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSMWELL	CONSTRUCTN_MTHD_CD	Construction Method	Air Percussion	Air Percussion
			Air Rotary	Air Rotary
			Bored/Augered	Bored/Augered
			Cable Tool	Cable Tool
			Drive and Wash	Drive and Wash
			Driven	Driven
			Dug	Dug
			Hydraulic Rotary	Hydraulic Rotary
			Jetted	Jetted
			Reverse Air Rotary	Reverse Air Rotary
			Trenching	Trenching
TSMWELL	DEVELOPMNT_MTHD_CD	Development Method	Air Lift	Air Lift
			Bail	Bail
			Chemical Treatment	Chemical treatment
			Jet	Jet
			Surge Block	Surge Block

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSMWELL	USE_CODE	Well Use	Anode	Anode
			Destroyed	Destroyed
			Drainage	Drainage
			EPA Waste Injection Class I	Defined in OGW Minimum Data Element List (EPA 813-B-92-002)
			EPA Waste Injection Class II	Defined in OGW Minimum Data Element List (EPA 813-B-92-002)
			EPA Waste Injection Class III	Defined in OGW Minimum Data Element List (EPA 813-B-92-002)
			EPA Waste Injection Class IV	Defined in OGW Minimum Data Element List (EPA 813-B-92-002)
			EPA Waste Injection Class V	Defined in OGW Minimum Data Element List (EPA 813-B-92-002)
			Geothermal	Geothermal
			Heat Reservoir	Heat Reservoir
			Mine	Mine
			Monitoring	Monitoring
			Observation	Observation
			Oil or Gas	Oil or Gas
			Other	Other
			Recharge	Recharge
			Repressurization	Repressurization
			Seismic	Seismic
			Standby Emergency Supply	Standby Emergency Supply
			Test	Test
			Unknown	Unknown

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSMWELL	WTR_PRIMRY_USE_CD	Water Primary Use	Unused	Unused
			Waste Injection - Non Specific	Waste Injection - Non Specific
			Withdrawal of Water	Withdrawal of Water
			Air Conditioning	Air Conditioning
			Aquaculture	Raising fish or other aquatic organisms for commercial gain
			Artificial Recharge	Water returned to ground
			Bottling	Bottled for commercial distribution
			Commercial	Unspecified Commercial
			Domestic	Used within the private domicile
			Fire Fighting	Fire fighting
			Industrial	Unspecified Industrial
			Irrigation	Irrigation of commercial crops
			Livestock Watering	Livestock Watering
			Private Residential	Private residences
			Public Water Supply	Distributed to the public

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRANLEQ	TYPE_NAME	Type	Acoustic Velocity	Acoustic Velocity
			Autoanalyzer	Autoanalyzer
			Chromatography	Chromatography
			Conductivity	Conductivity
			Electrochemical	Electrochemical
			Microscope	Microscope
			None	None
			Particle Counter	Particle Counter
			Physical/Handling	Physical/Handling
			Probe	Probe
			Spectroscopy	Spectroscopy
			Test Kit	Test Kit
			Titration	Titration
			Visual Inspection	Visual Inspection

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRCHDEF	SMPL_FRAC_TYPE_NM	Sample Fraction	Acid Soluble	That portion of the analyte which becomes dissolved within the sample following treatment with an appropriate acid.
			Comb Available	Combined Available
			Dissolved	That portion of the analyte found in the liquid medium. Cannot be removed by filtration.
			Filterable	That portion of the analyte which is extracted from the liquid medium by filtration.
			Fixed	That portion of the analyte found in the liquid layer above a precipitate produced from the sample.
			Free Available	Free Available
			Non-filterable	That portion of the analyte which is in or absorbed to material which passes through the filter during sample filtration.
			Non-settleable	That portion of the analyte which is in or absorbed to particles remaining in suspension in the sample container after a settling process.
			Non-volatile	That portion of the analyte which is in a liquid or solid state under normal temperature and pressure.
			Pot. Dissolved	Potentially Dissolved
			Settleable	That portion of the analyte which is found in or absorbed to that part of the sample which has settled (fallen out of suspension) to the bottom of the sample container.
			Supernate	That portion of the analyte found in the liquid layer above a precipitate produced from the sample.
			Suspended	That portion of the analyte which is suspended in the sampled medium, either as, or adsorbed to, particles which are more or less uniformly dispersed within the medium.
			Total	The total of all fractions of the analyte.
			Total Recovrble	
			Total Residual	Total Residual

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRCHGRP	COMMUNITY_NAME	Community	Vapor	That portion of the analyte which exists in a gaseous state and that under ordinary conditions is liquid or solid.
			Volatile	That portion of the analyte which evaporates readily at normal temperature and pressure.
			Amphibians	Amphibian community. Frogs, toads, etc.
			Aquatic Vegetation	Plants normally found growing in the water column, either partially or totally submerged.
			Bacteria/Virus	Microbiological pathogens.
			Benthic Macroinvertebrates	Invertebrate animals inhabiting the bottom of a water body.
			Birds	Birds.
			Corals	Corals
			Fish/Nekton	Fish or other animals inhabiting the water column between the surface and the bottom.
			Fungi	Fungi
			Ichthyoplankton	Fish-like animals of near-microscopic dimensions.
			Mammals	Warm-blooded hairy milk-producing animals.
			Periphyton	Near-microscopic plant material found attached to solid surfaces submerged in the aquatic environment.
			Phytoplankton/Zooplankton	Near-microscopic plants and animals found in the water column between the surface and the bottom.
			Reptiles	Snakes, lizards, turtles, etc.
			Terrestrial Vegetation	Plants normally found growing out of water. Trees, shrubs, grasses, etc.

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRCLDES	CELL_SHAPE_TYPE_NM	Cell Shape	Arcuate	Cells having the curved shape of a bow or arch.
			Cylindrical	Cells which are drum shaped.
			Fusiform	Cells tapered at their ends.
			Lunate	Cells crescent shaped.
			Oval Box	Cells rectangular but rounded in an elliptical manner.
			Ovoid	Cells egg shaped.
			Rectangular Box	Cells Rectangular, square corners.
			Rod	Cells rod shaped.
			Sphere	Cells shaped like a ball.
TSRCLDES	CELL_TYPE_NM	Cell Form	Teardrop	Cells shaped as teardrops.
			Coccolids	Cell(s) having a spherical form.
			Diatom	Cells of symmetrical form having brittle walls.
			Filaments	Cells which form linear strings or arrays.
			Flagellates	Cells having an appendage which moves whip-like to accomplish locomotion.
			Haptophytes	Cells having haptophyte form.

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRFDACT	CATEGORY_TYPE_NAME	Activity Category	Automated Measurement	Measurement made in the field by an automated data logging device, running unattended and producing a suite of data values at repeating intervals set by its owner/operator.
			Composite w/o Parents	Describes a sample which is a composite of either several discrete sampling events not described elsewhere, or is a sample collected by a continuous process over some time period. No database record exists as its parent.
			Composite-with Parents	A sample created by combining two or more 'parent' samples may only contribute to such a composite sample once. They are 'consumed' by the compositing process.
			Created from Sample	This is used when a sample is 'created' from another sample. For example, a liver is taken from a fish, or a 100 ml specimen can be drawn from a 500 ml sample.
			Depletion Replicate	A sample which is part of a sampling method described as 'depletion sampling'. It is used to obtain an accurate estimate of the population of a species by observing successive samples which show decreasing numbers.
			Field Ambient Conditions Blank	
			Field Blank	
			Field Calibration Check	
			Field Equipment Rinsate Blank	
			Field Replicate/Duplicate	A sample 'twinned' to another sample with respect to procedures, medium, and tools used. Used to confirm or assure sample results.
			Field Spike	A 'spiked' sample, whose concentration(s) of one or more contaminants have been intentionally increased by a known amount, through the (secret) addition of material to the sample.
			Field Split	
			Field Subsample	
			Field Surrogate Spike	

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
			Integrated Cross-Sectional Profile	
			Integrated Flow Proportioned	A sample integrated over an interval or space within which changes in flow are used to alter the proportion of the sampled medium contributing to the integrated sample.
			Integrated Horizontal Profile	A discrete/integrated sample, usually derived from a continuous record, representing some portion or segment of a horizontal track within the study area.
			Integrated Time Series	A discrete/integrated sample, usually derived from a continuous record, representing some portion or segment of elapsed time within the overall activity duration or sample period.
			Integrated Vertical Profile	A discrete/integrated sample, usually derived from a continuous record, representing some portion or segment of a vertical track within the study area.
			Portable Data Logger	
			Replicate Habitat Assessment	An evaluation of a habitat, repeating an earlier evaluation, used to confirm or assure the previous results.
			Replicate Msr/Obs	A measurement 'twinned' to another measurement with respect to a field protocol, procedure, etc. Used to confirm/assure measurement results.
			Routine Habitat Assessment	A field activity conducted to evaluate a habitat, according to an organization's pre-defined habitat assessment scheme.
			Routine Msr/Obs	MEASUREMENTS involve something measured in its environmental setting usually using some type of equipment. OBSERVATIONS are made by people, usually without the use of equipment, and are frequently qualitative.
			Routine Sample	A sample gathered using straightforward 'grab' procedures for purposes of a general evaluation of the environment at the site.

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRFDCT	CATEGORY_TYPE_NAME_M	Activity Category	Field Calibration Check	
			Portable Data Logger	
			Replicate Habitat Assessment	An evaluation of a habitat, repeating an earlier evaluation, used to confirm or assure the previous results.
			Replicate Msr/Obs	A measurement 'twinned' to another measurement with respect to a field protocol, procedure, etc. Used to confirm/assure measurement results.
			Routine Habitat Assessment	A field activity conducted to evaluate a habitat, according to an organization's pre-defined habitat assessment scheme.
			Routine Msr/Obs	MEASUREMENTS involve something measured in its environmental setting usually using some type of equipment. OBSERVATIONS are made by people, usually without the use of equipment, and are frequently qualitative.

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRFDACT	CATEGORY_TYPE_NAME_S	Activity Category	Composite w/o Parents	Describes a sample which is a composite of either several discrete sampling events not described elsewhere, or is a sample collected by a continuous process over some time period. No database record exists as its parent.
			Depletion Replicate	A sample which is part of a sampling method described as 'depletion sampling'. It is used to obtain an accurate estimate of the population of a species by observing successive samples which show decreasing numbers.
			Field Ambient Conditions Blank	
			Field Blank	
			Field Equipment Rinsate Blank	
			Field Replicate/Duplicate	A sample 'twinned' to another sample with respect to procedures, medium, and tools used. Used to confirm or assure sample results.
			Field Spike	A 'spiked' sample, whose concentration(s) of one or more contaminants have been intentionally increased by a known amount, through the (secret) addition of material to the sample.
			Field Split	
			Field Subsample	
			Field Surrogate Spike	
			Integrated Cross-Sectional Profile	
			Integrated Flow Proportioned	A sample integrated over an interval or space within which changes in flow are used to alter the proportion of the sampled medium contributing to the integrated sample.
			Integrated Horizontal Profile	A discrete/integrated sample, usually derived from a continuous record, representing some portion or segment of a horizontal track within the study area.
			Integrated Time Series	A discrete/integrated sample, usually derived from a continuous record, representing some portion or segment of elapsed time within the overall activity duration or sample period.

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRFDACT	COMMUNITY_NAME	Community	Integrated Vertical Profile	A discrete/integrated sample, usually derived from a continuous record, representing some portion or segment of a vertical track within the study area.
			Routine Sample	A sample gathered using straightforward 'grab' procedures for purposes of a general evaluation of the environment at the site.
			Amphibians	Amphibian community. Frogs, toads, etc.
			Aquatic Vegetation	Plants normally found growing in the water column, either partially or totally submerged.
			Bacteria/Virus	Microbiological pathogens.
			Benthic Macroinvertebrates	Invertebrate animals inhabiting the bottom of a water body.
			Birds	Birds.
			Corals	Corals
			Fish/Nekton	Fish or other animals inhabiting the water column between the surface and the bottom.
			Fungi	Fungi
			Ichthyoplankton	Fish-like animals of near-microscopic dimensions.
			Mammals	Warm-blooded hairy milk-producing animals.
			Periphyton	Near-microscopic plant material found attached to solid surfaces submerged in the aquatic environment.
			Phytoplankton/Zooplankton	Near-microscopic plants and animals found in the water column between the surface and the bottom.
			Reptiles	Snakes, lizards, turtles, etc.
			Terrestrial Vegetation	Plants normally found growing out of water. Trees, shrubs, grasses, etc.

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRFLDGR	TYPE_NAME	Gear Group Name	Benthic Corer	Devices which extract cylindrical core samples from the bottom sediment (benthic zone).
			Benthic Dredge	Devices which dredge sediment from the bottom or benthic zone.
			Benthic Grab	Devices which extract a specimen of bottom sediment in a single cut or grab operation.
			Diatometer	Multislide carriers designed to be deployed and later retrieved and examined for the presence of organisms either captured by or attached to the device. Slides are generally glass or plasti
			Electroshock	Devices which employ electric current to stun or kill animals in the stream (typically fish) to facilitate their collection.
			Miscellaneous/Other	Devices not covered in any of the other categories. Examples include poisons, sport fishing gear, dynamite, cameras, and visualsightings.
			Net/Horizontal Tow	Tow Devices constructed mainly of netting, designed to be trawled or towed from a vessel over a horizontal track, as the vesselmoves. Also called 'trawls'.
			Net/Non-Tow	Devices constructed mainly of netting designed to capture aquatic animals (usually fish) by a deployment and retrieval of the net device.
			Net/Vertical Tow	Devices constructed mainly of netting designed to be drawn vertically through the water column to capture animals (usually fish, or more frequently, plankton). one kind is more commonly call
			Trap/Substrate	Devices designed to be deployed in an aquatic environment and later retrieved and examined for the presence of organisms eithercaptured by or attached to the device. Substrates are usually
			Water Sampler	Devices which admit water into some kind of container, from which the water is later decanted for analysis. Various tubes, bottles, and bags fall into this category.

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRFLDPR	FLD_GEAR_TYPE_NAME	Gear Group Name	Benthic Corer	Devices which extract cylindrical core samples from the bottom sediment (benthic zone).
			Benthic Dredge	Devices which dredge sediment from the bottom or benthic zone.
			Benthic Grab	Devices which extract a specimen of bottom sediment in a single cut or grab operation.
			Diatometer	Multislide carriers designed to be deployed and later retrieved and examined for the presence of organisms either captured by or attached to the device. Slides are generally glass or plasti
			Electroshock	Devices which employ electric current to stun or kill animals in the stream (typically fish) to facilitate their collection.
			Miscellaneous/Other	Devices not covered in any of the other categories. Examples include poisons, sport fishing gear, dynamite, cameras, and visualsightings.
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			Trap/Substrate	Devices designed to be deployed in an aquatic environment and later retrieved and examined for the presence of organisms eithercaptured by or attached to the device. Substrates are usually
			Water Sampler	Devices which admit water into some kind of container, from which the water is later decanted for analysis. Various tubes, bottles, and bags fall into this category.

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRFQS	CONTAINER_COLOR	Container Color	Amber	Amber (yellowish brown)
			Black	Opaque black
			Clear	Transparent, without color
			Green	Transparent green
			Opaque	Opaque (unspecified color)
			Translucnt	Frosted, without color

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRFQS	CONTAINER_TYPE_NM	Container Type	Aluminum Dish	Sample handled or stored in an aluminum dish
			Aluminum Foil Wrap	Sample secured within wrapper of aluminum foil
			BOD Bottle	Sample bottle designed for use in measuring Biological Oxygen Demand (BOD)
			Carboy Container	Sample container designed for large samples
			Cubitainer	Sample secured in Cubitainer
			Galvanized Steel Container	Container made of Galvanized Steel
			Glass Bottle	Sample bottle made of glass
			Glass Media Bottle	Sample container designed for incubation
			Glass Petri Dish	Sample container designed for incubation
			Glass Tube	Sample container designed for blood collection
			Glass Vial	Sample vial made of glass
			Glass Vial w/ Septa	Sample container designed for collection of VOCs
			HDPE Bottle	Sample bottle made of High Density Poly Ethylene (HDPE)
			HDPE Vial	Sample vial made of High Density Poly Ethylene (HDPE)
			Nalgene Bottle	Sample bottle made of Nalgene
			Nalgene Vial	Sample vial made of Nalgene
			Plastic Bag	Plastic bag/baggie (eg ZipLoc)
			Plastic Bottle	Bottle made of unspecified plastic
			Plastic Dilution Bottle	Container designed for auto-dilution of sample
			Plastic Syringe	
			Polycarbonate Media Bottle	Container designed for sample incubation

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
			Polyethylene Bottle	Sample bottle made of Polyethylene
			Polyethylene Container	Sample container made of Polyethylene
			Polyethylene Vial	Sample vial made of Polyethylene
			Polypropylene Bottle	Sample bottle made of Polypropylene
			Polypropylene Container	Sample container made of Polypropylene
			Polypropylene Vial	Sample vial made of Polypropylene
			Polystyrene Container	Sample container made of Polystyrene
			Polystyrene Petri Dish	Sample placed directly into a Petri Dish
			Stainless Steel Container	Container make of Stainless Steel
			Teflon Bottle	Sample bottle made of Teflon
			Teflon Vial	Sample vial made of Teflon

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRFQS	TYPE_NAME	Type	Ship Container Temp Blk	Self Describing
			Trip Blank	This sample is prepared by putting analyte-free/organic-free water in the container and then adding preservatives and/or reagents, and the sample thus prepared accompanies other samples coll
			Trip Bottle Blank	Self Describing
			Trip Calibration Blank	Self Describing
			Trip Control Blank	Self Describing
			Trip Equipment Blank	Equipment field blanks are defined as samples which are obtained by running organic-free water over/through sample collection equipment after it has been cleaned. These samples will be used
			Trip Field Spike	Organic-free water is taken to the field in sealed containers and poured into the appropriate sample containers at pre-designated locations. This is done to determine if any contaminants pr
			Trip Perform Eval Sample	Self Describing
			Trip Post-Preserv Blk	This sample is prepared by putting analyte-free/organic-free water in the container and then adding preservatives. Analysis of this sample, when compared with that of related QC samples, wi
			Trip Pre-Preserv Blk	This sample is prepared by putting analyte-free/organic-free water in the container without adding preservatives. Analysis of this sample, when compared with that of related QC samples, wil
			Trip Reagent Blank	This sample is prepared by putting analyte-free/organic-free water in the container and then adding preservatives and/or reagents. Analysis of this sample, when compared with that of relate
			Trip Reference Sample	
			Trip Storage Blank	Self Describing

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRFQSDP	CONTAINER_COLOR	Container Color	Amber	Amber (yellowish brown)
			Black	Opaque black
			Clear	Transparent, without color
			Green	Transparent green
			Opaque	Opaque (unspecified color)
			Translucnt	Frosted, without color

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRFQSDP	CONTAINER_TYPE_NM	Container Type	Aluminum Dish	Sample handled or stored in an aluminum dish
			Aluminum Foil Wrap	Sample secured within wrapper of aluminum foil
			BOD Bottle	Sample bottle designed for use in measuring Biological Oxygen Demand (BOD)
			Carboy Container	Sample container designed for large samples
			Cubitainer	Sample secured in Cubitainer
			Galvanized Steel Container	Container made of Galvanized Steel
			Glass Bottle	Sample bottle made of glass
			Glass Media Bottle	Sample container designed for incubation
			Glass Petri Dish	Sample container designed for incubation
			Glass Tube	Sample container designed for blood collection
			Glass Vial	Sample vial made of glass
			Glass Vial w/ Septa	Sample container designed for collection of VOCs
			HDPE Bottle	Sample bottle made of High Density Poly Ethylene (HDPE)
			HDPE Vial	Sample vial made of High Density Poly Ethylene (HDPE)
			Nalgene Bottle	Sample bottle made of Nalgene
			Nalgene Vial	Sample vial made of Nalgene
			Plastic Bag	Plastic bag/baggie (eg ZipLoc)
			Plastic Bottle	Bottle made of unspecified plastic
			Plastic Dilution Bottle	Container designed for auto-dilution of sample
			Plastic Syringe	
			Polycarbonate Media Bottle	Container designed for sample incubation

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
			Polyethylene Bottle	Sample bottle made of Polyethylene
			Polyethylene Container	Sample container made of Polyethylene
			Polyethylene Vial	Sample vial made of Polyethylene
			Polypropylene Bottle	Sample bottle made of Polypropylene
			Polypropylene Container	Sample container made of Polypropylene
			Polypropylene Vial	Sample vial made of Polypropylene
			Polystyrene Container	Sample container made of Polystyrene
			Polystyrene Petri Dish	Sample placed directly into a Petri Dish
			Stainless Steel Container	Container make of Stainless Steel
			Teflon Bottle	Sample bottle made of Teflon
			Teflon Vial	Sample vial made of Teflon

Reference Table Permitted Values

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRFQSDP	TYPE_NAME	Type	Ship Container Temp Blk	Self Describing
			Trip Blank	This sample is prepared by putting analyte-free/organic-free water in the container and then adding preservatives and/or reagents, and the sample thus prepared accompanies other samples coll
			Trip Bottle Blank	Self Describing
			Trip Calibration Blank	Self Describing
			Trip Control Blank	Self Describing
			Trip Equipment Blank	Equipment field blanks are defined as samples which are obtained by running organic-free water over/through sample collection equipment after it has been cleaned. These samples will be used
			Trip Field Spike	Organic-free water is taken to the field in sealed containers and poured into the appropriate sample containers at pre-designated locations. This is done to determine if any contaminants pr
			Trip Perform Eval Sample	Self Describing
			Trip Post-Preserv Blk	This sample is prepared by putting analyte-free/organic-free water in the container and then adding preservatives. Analysis of this sample, when compared with that of related QC samples, wi
			Trip Pre-Preserv Blk	This sample is prepared by putting analyte-free/organic-free water in the container without adding preservatives. Analysis of this sample, when compared with that of related QC samples, wil
			Trip Reagent Blank	This sample is prepared by putting analyte-free/organic-free water in the container and then adding preservatives and/or reagents. Analysis of this sample, when compared with that of relate
			Trip Reference Sample	Sample created for reference purposes, with certified concentrations of selected contaminants (usually purchased).
			Trip Storage Blank	Self Describing

Reference Table Permitted Values

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRRQCAF	TYPE_NAME	Type	Analyte Reference Standard	Precision and Accuracy/Bias - A standard added to a test portion of a sample in a known amount and carried through the entire determination procedure as a reference for calibrating and controlling the precision and bias of the applied analytical method.
			Calibration Check	Self-describing.
			Correction/Blank	A correction applied because a prepared blank sample showed positive quantities of the substance being evaluated.
			Correction/Comprehensive	A generalized correction applied to compensate for all differences between the measured result and actual conditions presumed to have existed in the environment.
			Correction/Surrogate Spike	A factor applied because the actual measurement was made on a substance other than the target substance, but which has been determined to represent it.
			Instrument Performance Check	Sensitivity - A sample of known composition analyzed concurrently with the test samples to verify the performance of one or more components (i.e., retention time, resolution, recovery, degradation, etc.) of the analytical measurement process.
			Lab Blank Spike	Self-describing.
			Lab Blank Spike Duplicate	Self-describing.
			Lab Control (zero blind)	Bias - A sample of known composition prepared using reagent free water or an inert solid that is spiked with analytes of interest at the midpoint of the calibration curve or at the level of concern.
			Lab Equipment Blank	Self-describing.
			Lab Fortified Blank	Bias and Sensitivity - A Laboratory Control Sample at the quantitation limit used to evaluate laboratory preparatory and analytical sensitivity and bias for specific compounds.

Reference Table Permitted Values

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
			Lab Instrument Blank	Accuracy/Bias (Contamination) - An analyte of analyte-free water or solvent processed through the instrumental steps of the measurement process to determine the presence of carryover from the previous analysis. No sample preparation is required.
			Lab Material Blank	Self-describing.
			Lab Material Rinse Blank	Self-describing.
			Lab Matrix Spike	Precision - A sample prepared by adding a known concentration of a target analyte to an aliquot of a specific homogenized environmental sample for which an independent estimate of the target analyte concentration is available.
			Lab Matrix Spike Duplicate	Precision and Bias - A homogeneous sample used to determine the precision of the intralaboratory analytical process for specific analytes (organics only) in a sample matrix.
			Lab Reagent Blank	Accuracy/Bias (Contamination) - An aliquot of water free of measurable contaminants or solvent analyzed with the analytical batch and containing all the reagents in the same volume as used in the processing of the environmental samples.
			Lab Reference Material Rinsate	Self-describing.
			Lab Reference Material Rinsate Duplicate	Self-describing.
			Lab Split Replicate Analysis	Interlaboratory Comparability/Precision - In the laboratory, two or more representative portions are taken from an environmental sample and analyzed by different laboratories to estimate the interlaboratory precision or variability and data comparability
			Lab Storage Blank	Accuracy/Bias (Contamination) - A sample composed of water free of measurable contaminants that is stored with a sample set in the same kind of sample container beginning upon receipt of sample shipment at the laboratory.

Reference Table Permitted Values

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
			Lab Sub-Sample Replicate Analysis	Precision - Injecting multiple aliquots of the same sample extract or conducting multiple measurements on the same sample using the same analytical system to evaluate analytical precision.
			Method Blank	Accuracy/Bias (Contamination) - A sample of a matrix similar to the batch of associated environmental samples (when available) in which no target analytes or interferences are present at concentrations that impact the analytical results.
			Proficiency Evaluation Sample	Accuracy/Bias - A sample, the composition of which is unknown to the laboratory or analyst, which is provided to that analyst or laboratory to assess capability to produce results within acceptable criteria.
			Recovery/Dilution	A factor applied because the presumed recovery of the substance being measured was other than 100 percent in a process involving sample dilution.
			Recovery/Spike	A factor applied because the presumed recovery of the substance being measured was other than 100 percent from a spike sample.
			Recovery/Surrogate	A factor applied because the presumed recovery of the substance being measured was other than 100 percent in a measurement involving a surrogate substance.
			Sample Dilution	A factor applied because the sample was diluted before the analysis, usually to render the measurement within the calibration range of the analytical equipment/method employed.

Reference Table Permitted Values

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRRSULT	HABIT	Habit	Burrow	Burrower
			Climb	Climber
			Cling	Clinger
			Other	Other
			Skater	Skater
			Sprawl	Sprawler
			Swim	Swimer
			Uniden	Unidentified
			Unk	Unknown

Reference Table Permitted Values

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRRRESULT	SMPL_FRAC_TYPE_NM	Sample Fraction Type	Acid Soluble	That portion of the analyte which becomes dissolved within the sample following treatment with an appropriate acid.
			Comb Available	Combined Available
			Dissolved	That portion of the analyte found in the liquid medium. Cannot be removed by filtration.
			Filterable	That portion of the analyte which is extracted from the liquid medium by filtration.
			Fixed	That portion of the analyte found in the liquid layer above a precipitate produced from the sample.
			Free Available	Free Available
			Non-filterable	That portion of the analyte which is in or absorbed to material which passes through the filter during sample filtration.
			Non-settleable	That portion of the analyte which is in or absorbed to particles remaining in suspension in the sample container after a settling process.
			Non-volatile	That portion of the analyte which is in a liquid or solid state under normal temperature and pressure.
			Pot. Dissolved	Potentially Dissolved
			Settleable	That portion of the analyte which is found in or absorbed to that part of the sample which has settled (fallen out of suspension) to the bottom of the sample container.
			Supernate	That portion of the analyte found in the liquid layer above a precipitate produced from the sample.
			Suspended	That portion of the analyte which is suspended in the sampled medium, either as, or adsorbed to, particles which are more or less uniformly dispersed within the medium.
			Total	The total of all fractions of the analyte.
			Total Recovrble	
			Total Residual	Total Residual

Reference Table Permitted Values

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRRSULT	VOLTINISM	Voltinism	Vapor	That portion of the analyte which exists in a gaseous state and that under ordinary conditions is liquid or solid.
			Volatile	That portion of the analyte which evaporates readily at normal temperature and pressure.
			Facultative Multivoltine	One or more generations per year
			Facultative Semivoltine	Life Cycle requires one year or more
			Multivoltine	More than one generation per year
			Semivoltine	Life Cycle requires more than one year
TSRSDP	CONTAINER_COLOR	Color	Univoltine	One generation per year
			Amber	Amber (yellowish brown)
			Black	Opaque black
			Clear	Transparent, without color
			Green	Transparent green
			Opaque	Opaque (unspecified color)
			Translucnt	Frosted, without color

Reference Table Permitted Values

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRSDP	CONTAINER_TYPE_NM	Container Type	Aluminum Dish	Sample handled or stored in an aluminum dish
			Aluminum Foil Wrap	Sample secured within wrapper of aluminum foil
			BOD Bottle	Sample bottle designed for use in measuring Biological Oxygen Demand (BOD)
			Carboy Container	Sample container designed for large samples
			Cubitainer	Sample secured in Cubitainer
			Galvanized Steel Container	Container made of Galvanized Steel
			Glass Bottle	Sample bottle made of glass
			Glass Media Bottle	Sample container designed for incubation
			Glass Petri Dish	Sample container designed for incubation
			Glass Tube	Sample container designed for blood collection
			Glass Vial	Sample vial made of glass
			Glass Vial w/ Septa	Sample container designed for collection of VOCs
			HDPE Bottle	Sample bottle made of High Density Poly Ethylene (HDPE)
			HDPE Vial	Sample vial made of High Density Poly Ethylene (HDPE)
			Nalgene Bottle	Sample bottle made of Nalgene
			Nalgene Vial	Sample vial made of Nalgene
			Plastic Bag	Plastic bag/baggie (eg ZipLoc)
			Plastic Bottle	Bottle made of unspecified plastic
			Plastic Dilution Bottle	Container designed for auto-dilution of sample
			Plastic Syringe	
			Polycarbonate Media Bottle	Container designed for sample incubation

Reference Table Permitted Values

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRSDP	TEMP_PRESRV_TYPE	Temperature Preservation Type	Polyethylene Bottle	Sample bottle made of Polyethylene
			Polyethylene Container	Sample container made of Polyethylene
			Polyethylene Vial	Sample vial made of Polyethylene
			Polypropylene Bottle	Sample bottle made of Polypropylene
			Polypropylene Container	Sample container made of Polypropylene
			Polypropylene Vial	Sample vial made of Polypropylene
			Polystyrene Container	Sample container made of Polystyrene
			Polystyrene Petri Dish	Sample placed directly into a Petri Dish
			Stainless Steel Container	Container make of Stainless Steel
			Teflon Bottle	Sample bottle made of Teflon
			Teflon Vial	Sample vial made of Teflon
			Dry Ice (-78.5 deg C)	Sample is frozen and stored with dry ice.
			Freeze Dried	Sample is dehydrated after freezing.
			Frozen (-20 deg C)	Sample is stored in the freezer portion of a refrigerator.
			Frozen (-50 deg C)	Sample was placed in a ultra freezer.
			Frozen (0 deg C)	Sampled is placed in a 0 deg C environment.
			None	No physical preservation employed.
			Refrigerated (4 deg C)	Sample is placed in a refrigerator and stored there.
			Wet Ice (4 deg C)	Sample is stored with ice, usually in a cooler.

Reference Table Permitted Values

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Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRSMPLE	CONTAINER_COLOR	Container Color	Amber	Amber (yellowish brown)
			Black	Opaque black
			Clear	Transparent, without color
			Green	Transparent green
			Opaque	Opaque (unspecified color)
			Translucnt	Frosted, without color

Reference Table Permitted Values

July 21, 2006 14:10:53

Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRSMPLE	CONTAINER_TYPE_NM	Container Type	Aluminum Dish	Sample handled or stored in an aluminum dish
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			Cubitainer	Sample secured in Cubitainer
			Galvanized Steel Container	Container made of Galvanized Steel
			Glass Bottle	Sample bottle made of glass
			Glass Media Bottle	Sample container designed for incubation
			Glass Petri Dish	Sample container designed for incubation
			Glass Tube	Sample container designed for blood collection
			Glass Vial	Sample vial made of glass
			Glass Vial w/ Septa	Sample container designed for collection of VOCs
			HDPE Bottle	Sample bottle made of High Density Poly Ethylene (HDPE)
			HDPE Vial	Sample vial made of High Density Poly Ethylene (HDPE)
			Nalgene Bottle	Sample bottle made of Nalgene
			Nalgene Vial	Sample vial made of Nalgene
			Plastic Bag	Plastic bag/baggie (eg ZipLoc)
			Plastic Bottle	Bottle made of unspecified plastic
			Plastic Dilution Bottle	Container designed for auto-dilution of sample
			Plastic Syringe	
			Polycarbonate Media Bottle	Container designed for sample incubation

Reference Table Permitted Values

July 21, 2006 14:10:53

Table Name	Column Name	Screen Prompt	Permitted Value	Permitted Value Description
TSRSMPLE	TEMP_PRESERVN_TYPE	Temperature Preservation Type	Polyethylene Bottle	Sample bottle made of Polyethylene
			Polyethylene Container	Sample container made of Polyethylene
			Polyethylene Vial	Sample vial made of Polyethylene
			Polypropylene Bottle	Sample bottle made of Polypropylene
			Polypropylene Container	Sample container made of Polypropylene
			Polypropylene Vial	Sample vial made of Polypropylene
			Polystyrene Container	Sample container made of Polystyrene
			Polystyrene Petri Dish	Sample placed directly into a Petri Dish
			Stainless Steel Container	Container make of Stainless Steel
			Teflon Bottle	Sample bottle made of Teflon
			Teflon Vial	Sample vial made of Teflon
			Dry Ice (-78.5 deg C)	Sample is frozen and stored with dry ice.
			Freeze Dried	Sample is dehydrated after freezing.
			Frozen (-20 deg C)	Sample is stored in the freezer portion of a refrigerator.
			Frozen (-50 deg C)	Sample was placed in a ultra freezer.
			Frozen (0 deg C)	Sampled is placed in a 0 deg C environment.
			None	No physical preservation employed.
			Refrigerated (4 deg C)	Sample is placed in a refrigerator and stored there.
			Wet Ice (4 deg C)	Sample is stored with ice, usually in a cooler.