

SEDD Version 5.2

Valid Values

For the Staged Electronic Data Deliverable (SEDD)

August 2008

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This document is intended to assist people who create Staged Electronic Data Deliverable (SEDD) files. It lists all SEDD data elements that, according to version 5.2 of the SEDD Specification, have a data type of "limited list." This document provides the limited list of values that each data element may contain. These values are referred to as "valid values."

Valid values for some elements may be dictated or dependent on a value contained in a separate element. Data elements that have a dependent relationship like this have been noted throughout the document.

Note: All valid values for data elements containing units of measurement are based on *IEEE/ASTM SI 10 - 2002 American National Standard for Use of the International System of Units (SI): The Modern Metric System*.

For additional information about SEDD, including the SEDD Specification 5.2 document, please visit <http://www.epa.gov/superfund/programs/clp/sedd.htm> on the Web.

AliquotAmountUnits

Valid Values	Notes
uL	uL = microliters
mL	mL = milliliters
L	L = liters
cm2	cm2 = square centimeters
cm3	cm3 = cubic centimeters
m2	m2 = square meters
m3	m3 = cubic meters
pg	pg = picograms
ng	ng = nanograms
ug	ug = micrograms
mg	mg = milligrams
g	g = grams
kg	kg = kilograms

AmountAddedLocation

Valid Values	Notes
Aliquot	Analyte was added to an original sample aliquot or standard.
Diluted_Aliquot	Analyte was added to a diluted sample aliquot or standard.
Extracted_Aliquot	Analyte was added to an extracted/digested sample aliquot or standard.
Analyzed_Aliquot	Analyte was added to the vial that was loaded onto the instrument that contained the original, diluted, or extracted/digested sample aliquot or standard.
Injected_Aliquot	Analyte was added to the material that was injected onto the instrument that contained the original, diluted, or extracted/digested sample aliquot or standard.
Standard	Analyte was added to prepare a standard.
Sample	Analyte was added to the original sample container prior to taking the sample aliquot.

AmountAddedUncertaintyIntervalType

Valid Values	Notes
Symmetric_Interval	This interval is centered on the AmountAdded value.
Other_Interval	This interval includes the AmountAdded value.

AmountAddedUncertaintyType

Valid Values	Notes
Category A	The estimate of the AmountAddedUncertainty is directly determined using a statistically-based method.
Category B	The estimate of the AmountAddedUncertainty is directly determined using some other method.

AmountAddedUncertaintyUnits

Valid Values	Notes
uL	uL = microliters
mL	mL = milliliters
L	L = liters
cm2	cm2 = square centimeters
cm3	cm3 = cubic centimeters
m2	m2 = square meters
m3	m3 = cubic meters
pg	pg = picograms
ng	ng = nanograms
ug	ug = micrograms
mg	mg = milligrams
g	g = grams
kg	kg = kilograms

AmountAddedUnits

Valid Values	Notes
uL	uL = microliters
mL	mL = milliliters
L	L = liters
cm2	cm2 = square centimeters
cm3	cm3 = cubic centimeters
m2	m2 = square meters
m3	m3 = cubic meters
pg	pg = picograms
ng	ng = nanograms
ug	ug = micrograms
mg	mg = milligrams
g	g = grams
kg	kg = kilograms

AnalysisDurationUnits

Valid Values	Notes
us	us = microseconds
ms	ms = milliseconds
s	s = seconds
min	min = minutes
h	h = hours
d	d = days

AnalysisType

Valid Values	Notes
Initial	
Confirmation	
RRF-#	# = any decimal or whole number.
CF-#	# = any decimal or whole number.
Standard-#	# = any decimal or whole number.
Replicate-#	# = any decimal or whole number.
MSA-#	# = any decimal or whole number.
Dilution-#	# = any decimal or whole number.
Reinjection-#	# = any decimal or whole number.
Reanalysis-#	# = any decimal or whole number.
Initial_Calibration	For use under the AnalysisGroup node only. To be used when multiple analyses are used to generate initial calibration curve data.
Average	For use under the AnalysisGroup node only. To be used when multiple analyses are used to generate an averaged reported result value.
MSA	For use under the AnalysisGroup node only. To be used when multiple analyses are used to generate an extrapolated reported result value based on varying spike levels to an original sample. MSA = Method of Standard Additions.
Detection_Limit	For use under the AnalysisGroup node only. To be used when multiple analyses are used to generate a detection, quantitation and/or reporting limit.
Sum	For use under the AnalysisGroup node only. To be used when multiple analyses are used to generate a summed reported result value.

AnalyteName

Refer to the appropriate official publication for a list of analyte name valid values. The approved analyte name lists are provided by:

- The Chemical Abstracts Service (CAS) nomenclature, based on the 9th Collective Index rules.
- The International Union of Pure and Applied Chemistry
- The Environmental Protection Agency's (EPA's) Substance Registry System (www.epa.gov/srs/).

Choose analyte names from the list selected in the AnalyteNameContext data element.

AnalyteNameContext

Valid Values	Notes
CAS	CAS = Chemical Abstracts Service, nomenclature based on 9th Collective Index rules
IUPAC	IUPAC = International Union of Pure and Applied Chemistry
SRS	SRS = EPA's Substance Registry System (www.epa.gov/srs/)

AnalyteType

Valid Values	Notes
Target	Target' is the default valid value.
Spike	
TIC	TIC = Tentatively Identified Compound
Internal_Standard	
Surrogate	
System_Monitoring_Compound	
Monitor	This type of analyte might be added to a sample and a result actually determined.
Tracer	
Instrument_Performance	For USEPA_CLP use only.
Interferent	This type of analyte might be added to a sample but never actually measured.
Derived	An analyte that is derived or calculated from other method measured analytes.

AnalyzedAmountUnits

Valid Values	Notes
uL	uL = microliters
mL	mL = milliliters
L	L = liters
cm2	cm2 = square centimeters
cm3	cm3 = cubic centimeters
m2	m2 = square meters
m3	m3 = cubic meters
pg	pg = picograms
ng	ng = nanograms
ug	ug = micrograms
mg	mg = milligrams
g	g = grams
kg	kg = kilograms

BackgroundCorrection

Valid Values

Yes
No

BackgroundRawData

Valid Values

Yes
No

BackgroundType

Valid Values

Smith_Hieftje
Deuterium_Arc
Zeeman

BottleType

Valid Values	Notes
125-mL Amber_Glass_Bottle w/Teflon_Lined_Cap	4 oz.
250-mL Amber_Glass_Bottle w/Teflon_Lined_Cap	8 oz.
500-mL Amber_Glass_Bottle w/Teflon_Lined_Cap	16 oz.
1-L Amber_Glass_Bottle w/Teflon_Lined_Cap	32 oz.
2.5-L Amber_Glass_Bottle w/Teflon_Lined_Cap	80 oz.
4-L Amber_Glass_Bottle w/Teflon_Lined_Cap	128 oz.
125-mL Clear_Glass_Bottle w/Teflon_Lined_Cap	4 oz.
250-mL Clear_Glass_Bottle w/Teflon_Lined_Cap	8 oz.
500-mL Clear_Glass_Bottle w/Teflon_Lined_Cap	16 oz.
1-L Clear_Glass_Bottle w/Teflon_Lined_Cap	32 oz.
2.5-L Clear_Glass_Bottle w/Teflon_Lined_Cap	80 oz.
4-L Clear_Glass_Bottle w/Teflon_Lined_Cap	128 oz.
60-mL Clear_Glass_Jar w/Teflon_Lined_Caps	2-oz.
125-mL Clear_Glass_Jar w/Teflon_Lined_Caps	4 oz.
250-mL Clear_Glass_Jar w/Teflon_Lined_Caps	8 oz.
500-mL Clear_Glass_Jar w/Teflon_Lined_Caps	16 oz.
1-L Clear_Glass_Jar w/Teflon_Lined_Caps	32 oz.

Valid Values	Notes
60-mL Amber_Glass_Jar w/Teflon_Lined_Caps	2-oz.
125-mL Amber_Glass_Jar w/Teflon_Lined_Caps	4 oz.
250-mL Amber_Glass_Jar w/Teflon_Lined_Caps	8 oz.
500-mL Amber_Glass_Jar w/Teflon_Lined_Caps	16 oz.
1-L Amber_Glass_Jar w/Teflon_Lined_Caps	32 oz.
1.5-L Amber_Glass_Jar w/Teflon_Lined_Caps	40 oz.
2.5-L Amber_Glass_Jar w/Teflon_Lined_Caps	80 oz.
20-mL Clear_Glass_Vial w/Teflon_Lined_Septa	
40-mL Clear_Glass_Vial w/Teflon_Lined_Septa	
60-mL Clear_Glass_Vial w/Teflon_Lined_Septa	
20-mL Amber_Glass_Vial w/Teflon_Lined_Septa	
40-mL Amber_Glass_Vial w/Teflon_Lined_Septa	
60-mL Amber_Glass_Vial w/Teflon_Lined_Septa	
125-mL HDPE_Bottle w/PP_Cap	4 oz. High Density Polyethylene Bottle with Polypropylene Cap
250-mL HDPE_Bottle w/PP_Cap	8 oz. High Density Polyethylene Bottle with Polypropylene Cap
500-mL HDPE_Bottle w/PP_Cap	16 oz. High Density Polyethylene Bottle with Polypropylene Cap
1-L HDPE_Bottle w/PP_Cap	32 oz. High Density Polyethylene Bottle with Polypropylene Cap
125-mL Amber_HDPE_Bottle w/PP_Cap	4 oz. High Density Polyethylene Bottle with Polypropylene Cap
250-mL Amber_HDPE_Bottle w/PP_Cap	8 oz. High Density Polyethylene Bottle with Polypropylene Cap
500-mL Amber_HDPE_Bottle w/PP_Cap	16 oz. High Density Polyethylene Bottle with Polypropylene Cap
1-L Amber_HDPE_Bottle w/PP_Cap	32 oz. High Density Polyethylene Bottle with Polypropylene Cap
125-mL HDPE_Jar w/PP_Cap	4 oz. High Density Polyethylene Jar with Polypropylene Cap
250-mL HDPE_Jar w/PP_Cap	8 oz. High Density Polyethylene Jar with Polypropylene Cap
500-mL HDPE_Jar w/PP_Cap	16 oz. High Density Polyethylene Jar with Polypropylene Cap
1-L HDPE_Jar w/PP_Cap	32 oz. High Density Polyethylene Jar with Polypropylene Cap
125-mL Amber_HDPE_Jar w/PP_Cap	4 oz. High Density Polyethylene Jar with Polypropylene Cap
250-mL Amber_HDPE_Jar w/PP_Cap	8 oz. High Density Polyethylene Jar with Polypropylene Cap
500-mL Amber_HDPE_Jar w/PP_Cap	16 oz. High Density Polyethylene Jar with Polypropylene Cap
1-L Amber_HDPE_Jar w/PP_Cap	32 oz. High Density Polyethylene Jar with Polypropylene Cap

Valid Values	Notes
1-L LDPE Cubitainer w/PP_Cap	1 qt. Low Density Polyethylene Cubitainer with Polypropylene Cap
4-L LDPE Cubitainer w/PP_Cap	1 gal. Low Density Polyethylene Cubitainer with Polypropylene Cap
9-L LDPE Cubitainer w/PP_Cap	1 gal. Low Density Polyethylene Cubitainer with Polypropylene Cap
18-L LDPE Cubitainer w/PP_Cap	1 gal. Low Density Polyethylene Cubitainer with Polypropylene Cap
2.2-L Teflon_Bottle w/Teflon_Lined_Cap	2.2-L Temperature-Resistant Teflon Fluorocarbon Resin FEP Bottle
Glass_Bottle	
Glass_Jar	
Plastic_Bottle	
Plastic_Jar	
Metal_Sleeve	
Plastic_Bag	
Paper_Bag	

CalibrationBasis

Valid Values

Analyte
Peak

CalibrationType

Valid Values

Average_Relative_Response_Factor
Average_Calibration_Factor
Linear_Regression
Linear_Regression_With_Blank_Force
Linear_Regression_With_Zero_Force
Quadratic_Regression
Quadratic_Regression_With_Blank_Force
Quadratic_Regression_With_Zero_Force
Weighted_Linear_Regression
Weighted_Linear_Regression_With_Blank_Force
Weighted_Linear_Regression_With_Zero_Force
Weighted_Quadratic_Regression
Weighted_Quadratic_Regression_With_Blank_Force
Weighted_Linear_Regression_With_Zero_Force

CharacteristicType

CharacteristicType Valid Values	Notes	CharacteristicUnits Valid Values
Acid_Reaction	The reaction of the sample or aliquot to acid.	
Artifacts	A method-defined concept used to report anomalies in the sample.	
Boiling_Point	The boiling point of the sample.	C (Centigrade), K (Kelvin), F (Fahrenheit)
Clarity	The clarity of the sample or aliquot.	
Color	The color of the sample or aliquot.	
Conductance	The conductance of the sample.	S (Siemens)
Consolidation	The degree of consolidation of the sample.	
Density	The density of the sample	kg/m ³ , g/cm ³
Dissolved_Solids	The amount of solid material remaining after evaporation of the sample.	mg/L, ug/L
Melting_Point	The melting point of the sample.	C (Centigrade), K (Kelvin), F (Fahrenheit)
Number_Phases	The number of phases observed in the sample.	
Percent_Lipid	The percent of the sample composed of lipid material.	
Percent_Moisture	The percent of the sample composed of water.	
Percent_Solids	The percent of the sample composed of solid material.	
pH	The negative of the logarithm of the hydrogen ion potential in the sample.	
Pressure	The pressure of the sample.	Pa (Pascal)
Refractive_Index	The refractive index of the sample.	
Suspended_Solids	The amount of solid material remaining after filtration of the sample.	mg/L, ug/L
Texture	Descriptive information about a solid sample.	
Turbidity	The turbidity of the sample.	NTU (Nephelometric Turbidity Units)

CharacteristicUnits

The valid values for this data element are dependent on the value of the CharacteristicType element. See the CharacteristicType data elements for the appropriate valid values.

ClientDetectionLimitUnits

Valid Values	Notes
pg	pg = picograms
pg/uL	pg/uL = picograms per microliter
pg/mL	pg/mL = picograms per milliliter
pg/L	pg/L = picograms per liter
pg/mg	pg/mg = picograms per milligram
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
ng	ng = nanograms
ng/uL	ng/uL = nanograms per microliter
ng/mL	ng/mL = nanograms per milliliter
ng/L	ng/L = nanograms per liter
ng/mg	ng/mg = nanograms per milligram
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm2	mg/cm2 = milligrams per square centimeter

Valid Values	Notes
mg/cm ³	mg/cm ³ = milligrams per cubic centimeter
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ - milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoliters per milliliter
pL/L	pL/L = picoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
nL/L	nL/L = nanoliters per liter
uL/mL	uL/mL = microliters per milliliter
uL/L	uL/L = microliters per liter
mL/L	mL/L = milliliters per liter
pBq	pBq = picobecquerels
pBq/uL	pBq/uL = picobecquerels per microliter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/L	pBq/L = picobecquerels per liter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/cm ²	pBq/cm ² = picobequerels per square centimeter
pBq/cm ³	pBq/cm ³ = picobequerels per cubic centimeter
pBq/m ²	pBq/m ² = picobequerels per square meter
pBq/m ³	pBq/m ³ = picobequerels per cubic meter
nBq	nBq = nanobecquerels
nBq/uL	nBq/uL = nanobecquerels per microliter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/L	nBq/L = nanobecquerels per liter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/cm ²	nBq/cm ² = nanobequerels per square centimeter
nBq/cm ³	nBq/cm ³ = nanobequerels per cubic centimeter
nBq/m ²	nBq/m ² = nanobequerels per square meter
nBq/m ³	nBq/m ³ = nanobequerels per cubic meter
uBq	uBq = microbecquerels
uBq/uL	uBq/uL = microbecquerels per microliter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/L	uBq/L = microbecquerels per liter
uBq/mg	uBq/mg = microbecquerels per milligram

Valid Values	Notes
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/cm ²	uBq/cm ² = microbecquerels per square centimeter
uBq/cm ³	uBq/cm ³ = microbecquerels per cubic centimeter
uBq/m ²	uBq/m ² = microbecquerels per square meter
uBq/m ³	uBq/m ³ = microbecquerels per cubic meter
mBq	mBq = millibecquerels
mBq/uL	mBq/uL = millibecquerels per microliter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/L	mBq/L = millibecquerels per liter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/cm ²	mBq/cm ² = millibecquerels per square centimeter
mBq/cm ³	mBq/cm ³ = millibecquerels per cubic centimeter
mBq/m ²	mBq/m ² = millibecquerels per square meter
mBq/m ³	mBq/m ³ = millibecquerels per cubic meter
Bq	Bq = becquerels
Bq/uL	Bq/uL = becquerels per microliter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/L	Bq/L = becquerels per liter
Bq/mg	Bq/mg = becquerels per milligram
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/cm ²	Bq/cm ² = becquerels per square centimeter
Bq/cm ³	Bq/cm ³ = becquerels per cubic centimeter
Bq/m ²	Bq/m ² = becquerels per square meter
Bq/m ³	Bq/m ³ = becquerels per cubic meter
uSv	uSv = microSieverts
uSv/s	uSv/s = microSieverts per second
uSv/min	uSv/min = microSieverts per minute
uSv/h	uSv/h = microSieverts per hour
uSv/d	uSv/d = microSieverts per day
mSv	mSv = milliSieverts
mSv/s	mSv/s = milliSieverts per second
mSv/min	mSv/min = milliSieverts per minute
mSv/h	mSv/h = milliSieverts per hour
mSv/d	mSv/d = milliSieverts per day
Sv	Sv = Sieverts
Sv/s	Sv/s = Sieverts per second
Sv/min	Sv/min = Sieverts per minute
Sv/h	Sv/h = Sieverts per hour
Sv/d	Sv/d = Sieverts per day
uGy	uGy = microGrays

Valid Values	Notes
uGy/s	uGy/s = microGrays per second
uGy/min	uGy/min = microGrays per minute
uGy/h	uGy/h = microGrays per hour
uGy/d	uGy/d = microGrays per day
mGy	mGy = milliGrays
mGy/s	mGy/s = milliGrays per second
mGy/min	mGy/min = milliGrays per minute
mGy/h	mGy/h = milliGrays per hour
mGy/d	mGy/d = milliGrays per day
Gy	Gy = Grays
Gy/s	Gy/s = Grays per second
Gy/min	Gr/min = Grays per minute
Gy/h	Gr/h = Grays per hour
Gy/d	Gr/d = Grays per day

ClientInstrumentQCType

Valid Values

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25

Client Quantitation Limit Units

Valid Values	Notes
pg	pg = picograms
pg/uL	pg/uL = picograms per microliter
pg/mL	pg/mL = picograms per milliliter
pg/L	pg/L = picograms per liter
pg/mg	pg/mg = picograms per milligram
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/cm ²	pg/cm ² = picograms per square centimeter
pg/cm ³	pg/cm ³ = picograms per cubic centimeter
pg/m ²	pg/m ² = picograms per square meter
pg/m ³	pg/m ³ = picograms per cubic meter
ng	ng = nanograms
ng/uL	ng/uL = nanograms per microliter
ng/mL	ng/mL = nanograms per milliliter
ng/L	ng/L = nanograms per liter
ng/mg	ng/mg = nanograms per milligram
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/cm ²	ng/cm ² = nanograms per square centimeter
ng/cm ³	ng/cm ³ = nanograms per cubic centimeter
ng/m ²	ng/m ² = nanograms per square meter
ng/m ³	ng/m ³ = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm ²	ug/cm ² = micrograms per square centimeter
ug/cm ³	ug/cm ³ = micrograms per cubic centimeter
ug/m ²	ug/m ² = micrograms per square meter
ug/m ³	ug/m ³ = micrograms per cubic meter
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm ²	mg/cm ² = milligrams per square centimeter

Valid Values	Notes
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ - milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoliters per milliliter
pL/L	pL/L = picoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
nL/L	nL/L = nanoliters per liter
uL/mL	uL/mL = microliters per milliliter
uL/L	uL/L = microliters per liter
mL/L	mL/L = milliliters per liter
pBq	pBq = picobecquerels
pBq/uL	pBq/uL = picobecquerels per microliter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/L	pBq/L = picobecquerels per liter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/cm ²	pBq/cm ² = picobecquerels per square centimeter
pBq/cm ³	pBq/cm ³ = picobecquerels per cubic centimeter
pBq/m ²	pBq/m ² = picobecquerels per square meter
pBq/m ³	pBq/m ³ = picobecquerels per cubic meter
nBq	nBq = nanobecquerels
nBq/uL	nBq/uL = nanobecquerels per microliter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/L	nBq/L = nanobecquerels per liter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/cm ²	nBq/cm ² = nanobecquerels per square centimeter
nBq/cm ³	nBq/cm ³ = nanobecquerels per cubic centimeter
nBq/m ²	nBq/m ² = nanobecquerels per square meter
nBq/m ³	nBq/m ³ = nanobecquerels per cubic meter
uBq	uBq = microbecquerels
uBq/uL	uBq/uL = microbecquerels per microliter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/L	uBq/L = microbecquerels per liter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/g	uBq/g = microbecquerels per gram

Valid Values	Notes
uBq/cm ²	uBq/cm ² = microbecquerels per square centimeter
uBq/cm ³	uBq/cm ³ = microbecquerels per cubic centimeter
uBq/m ²	uBq/m ² = microbecquerels per square meter
uBq/m ³	uBq/m ³ = microbecquerels per cubic meter
mBq	mBq = millibecquerels
mBq/uL	mBq/uL = millibecquerels per microliter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/L	mBq/L = millibecquerels per liter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/cm ²	mBq/cm ² = millibecquerels per square centimeter
mBq/cm ³	mBq/cm ³ = millibecquerels per cubic centimeter
mBq/m ²	mBq/m ² = millibecquerels per square meter
mBq/m ³	mBq/m ³ = millibecquerels per cubic meter
Bq	Bq = becquerels
Bq/uL	Bq/uL = becquerels per microliter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/L	Bq/L = becquerels per liter
Bq/mg	Bq/mg = becquerels per milligram
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/cm ²	Bq/cm ² = becquerels per square centimeter
Bq/cm ³	Bq/cm ³ = becquerels per cubic centimeter
Bq/m ²	Bq/m ² = becquerels per square meter
Bq/m ³	Bq/m ³ = becquerels per cubic meter
uSv	uSv = microSieverts
uSv/s	uSv/s = microSieverts per second
uSv/min	uSv/min = microSieverts per minute
uSv/h	uSv/h = microSieverts per hour
uSv/d	uSv/d = microSieverts per day
mSv	mSv = milliSieverts
mSv/s	mSv/s = milliSieverts per second
mSv/min	mSv/min = milliSieverts per minute
mSv/h	mSv/h = milliSieverts per hour
mSv/d	mSv/d = milliSieverts per day
Sv	Sv = Sieverts
Sv/s	Sv/s = Sieverts per second
Sv/min	Sv/min = Sieverts per minute
Sv/h	Sv/h = Sieverts per hour
Sv/d	Sv/d = Sieverts per day
uGy	uGy = microGrays
uGy/s	uGy/s = microGrays per second
uGy/min	uGy/min = microGrays per minute

Valid Values	Notes
uGy/d	uGy/d = microGrays per day
mGy	mGy = milliGrays
mGy/s	mGy/s = milliGrays per second
mGy/min	mGy/min = milliGrays per minute
mGy/h	mGy/h = milliGrays per hour
mGy/d	mGy/d = milliGrays per day
Gy	Gy = Grays
Gy/s	Gy/s = Grays per second
Gy/min	Gr/min = Grays per minute
Gy/h	Gr/h = Grays per hour
Gy/d	Gr/d = Grays per day

CoeffOfDeterminationLimitType

Valid Values

Client
Laboratory
Method
Vendor

ColumnInternalDiameterUnits

Valid Values

Valid Values	Notes
mm	mm = millimeters
cm	cm = centimeters
m	m = meters

ColumnLengthUnits

Valid Values

Valid Values	Notes
mm	mm = millimeters
cm	cm = centimeters
m	m = meters

Composite

Valid Values

Yes
No

CorrelationCoeffLimitType

Valid Values

Client
Laboratory
Method
Vendor

CountsUncertaintyIntervalType

Valid Values

Symmetric_Interval
Other_Interval

Notes

This interval is centered on the Counts value.
This interval includes the Counts value.

CountsUncertaintyType

Valid Values

Category A
Category B

Notes

The estimate of the CountsUncertainty is directly determined using a statistically-based method.
The estimate of the CountsUncertainty is directly determined using some other method.

CountsUnits

Valid Values

Disintegrations/s
Disintegrations/min
Disintegrations/h
Disintegrations/d

Notes

The number of disintegrations per second.
The number of disintegrations per minute.
The number of disintegrations per hour.
The number of disintegrations per day.

DateFormat

This data element uses the following abbreviations:

YYYY = four-digit year or YY = two-digit year
MM = two-digit month (01 = January, etc.)
DD = two-digit day of month (01 through 31)
hh = two digits of hour (00 through 23) (am/pm NOT allowed)
mm = two digits of minute (00 through 59)
ss = two digits of second (00 through 59)
s = one or more digits representing a decimal fraction of a second
TZD = time zone designator (Z or +hh:mm or -hh:mm)

Valid Values	Notes
YYYY-MM-DDThh:mm:ss.sTZD	This is the complete recommended format (based on ISO 8601: 2004). Shortened versions can be used by deleting the terms not needed. Example: 1994-11-05T08:15:30-05:00 corresponds to November 5, 1994, 8:15:30 am, US Eastern Standard Time Example: 1994-11-05T13:15:30Z corresponds to the same instant above. Other similar formats are allowed even though they are not fully compliant with the above standard. Shortened versions can be used by deleting the terms not needed.
YYYYMMDDThhmmss.sTZD	
YYYYMMDDThh:mm:ss.sTZD	
YYMMDDThhmmss.sTZD	
YYMMDDThh:mm:ss.sTZD	
MM/DD/YYYYThhmmss.sTZD	
MM/DD/YYYYThh:mm:ss.sTZD	
MM/DD/YYThhmmss.sTZD	
MM/DD/YYThh:mm:ss.sTZD	
MMDDYYThh:mm:ss.sTZD	
MMDDYYThhmmss.sTZD	
MMDDYYYYThh:mm:ss.sTZD	
MMDDYYYYThhmmss.sTZD	

DetectionLimitType

Valid Values	Notes
CRDL	CRDL = Contract Required Detection Limit
CRDL_sa	CRDL_sa = Sample adjusted CRDL. This is the CRDL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
MDL	MDL = Method Detection Limit as defined the US Environmental Protection Agency (USEPA) in 40 CFR part 136, Appendix B (49 FR 43234 dated October 26, 1984)
MDL_sa	MDL_sa = Sample adjusted MDL. This is the MDL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
IDL	IDL = Instrument Detection Limit as defined by the US Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) in ILM04.1
LOD	LOD = Limit of Detection as defined by the American Chemical Society (ACS) and is roughly equivalent to the MDL in numerical terms and conceptually equivalent to Currie's critical value.
LOD_sa	LOD_sa = Sample adjusted LOD. This is the LOD adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
Ld	Ld = Detection Limit as defined by the International Union of Pure and Applied Chemistry (IUPAC) in conjunction with Currie.
Ld_sa	Ld_sa = Sample adjusted Ld. This is the Ld adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).

DetectionLimitUnits

Valid Values	Notes
pg	pg = picograms
pg/uL	pg/uL = picograms per microliter
pg/mL	pg/mL = picograms per milliliter
pg/L	pg/L = picograms per liter
pg/mg	pg/mg = picograms per milligram
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
ng	ng = nanograms
ng/uL	ng/uL = nanograms per microliter
ng/mL	ng/mL = nanograms per milliliter
ng/L	ng/L = nanograms per liter
ng/mg	ng/mg = nanograms per milligram
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm2	mg/cm2 = milligrams per square centimeter

Valid Values	Notes
mg/cm ³	mg/cm ³ = milligrams per cubic centimeter
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ - milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoliters per milliliter
pL/L	pL/L = picoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
nL/L	nL/L = nanoliters per liter
uL/mL	uL/mL = microliters per milliliter
uL/L	uL/L = microliters per liter
mL/L	mL/L = milliliters per liter
pBq	pBq = picobecquerels
pBq/uL	pBq/uL = picobecquerels per microliter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/L	pBq/L = picobecquerels per liter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/cm ²	pBq/cm ² = picobecquerels per square centimeter
pBq/cm ³	pBq/cm ³ = picobecquerels per cubic centimeter
pBq/m ²	pBq/m ² = picobecquerels per square meter
pBq/m ³	pBq/m ³ = picobecquerels per cubic meter
nBq	nBq = nanobecquerels
nBq/uL	nBq/uL = nanobecquerels per microliter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/L	nBq/L = nanobecquerels per liter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/cm ²	nBq/cm ² = nanobecquerels per square centimeter
nBq/cm ³	nBq/cm ³ = nanobecquerels per cubic centimeter
nBq/m ²	nBq/m ² = nanobecquerels per square meter
nBq/m ³	nBq/m ³ = nanobecquerels per cubic meter
uBq	uBq = microbecquerels
uBq/uL	uBq/uL = microbecquerels per microliter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/L	uBq/L = microbecquerels per liter
uBq/mg	uBq/mg = microbecquerels per milligram

Valid Values	Notes
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/cm ²	uBq/cm ² = microbecquerels per square centimeter
uBq/cm ³	uBq/cm ³ = microbecquerels per cubic centimeter
uBq/m ²	uBq/m ² = microbecquerels per square meter
uBq/m ³	uBq/m ³ = microbecquerels per cubic meter
mBq	mBq = millibecquerels
mBq/uL	mBq/uL = millibecquerels per microliter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/L	mBq/L = millibecquerels per liter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/cm ²	mBq/cm ² = millibecquerels per square centimeter
mBq/cm ³	mBq/cm ³ = millibecquerels per cubic centimeter
mBq/m ²	mBq/m ² = millibecquerels per square meter
mBq/m ³	mBq/m ³ = millibecquerels per cubic meter
Bq	Bq = becquerels
Bq/uL	Bq/uL = becquerels per microliter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/L	Bq/L = becquerels per liter
Bq/mg	Bq/mg = becquerels per milligram
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/cm ²	Bq/cm ² = becquerels per square centimeter
Bq/cm ³	Bq/cm ³ = becquerels per cubic centimeter
Bq/m ²	Bq/m ² = becquerels per square meter
Bq/m ³	Bq/m ³ = becquerels per cubic meter
uSv	uSv = microSieverts
uSv/s	uSv/s = microSieverts per second
uSv/min	uSv/min = microSieverts per minute
uSv/h	uSv/h = microSieverts per hour
uSv/d	uSv/d = microSieverts per day
mSv	mSv = milliSieverts
mSv/s	mSv/s = milliSieverts per second
mSv/min	mSv/min = milliSieverts per minute
mSv/h	mSv/h = milliSieverts per hour
mSv/d	mSv/d = milliSieverts per day
Sv	Sv = Sieverts
Sv/s	Sv/s = Sieverts per second
Sv/min	Sv/min = Sieverts per minute
Sv/h	Sv/h = Sieverts per hour
Sv/d	Sv/d = Sieverts per day
uGy	uGy = microGrays

Valid Values	Notes
uGy/s	uGy/s = microGrays per second
uGy/min	uGy/min = microGrays per minute
uGy/h	uGy/h = microGrays per hour
uGy/d	uGy/d = microGrays per day
mGy	mGy = milliGrays
mGy/s	mGy/s = milliGrays per second
mGy/min	mGy/min = milliGrays per minute
mGy/h	mGy/h = milliGrays per hour
mGy/d	mGy/d = milliGrays per day
Gy	Gy = Grays
Gy/s	Gy/s = Grays per second
Gy/min	Gr/min = Grays per minute
Gy/h	Gr/h = Grays per hour
Gy/d	Gr/d = Grays per day

DetectorType

Valid Values	Notes
ECD	ECD = Electron Capture Detector
FID	FID = Flame Ionization Detector
PID	PID = Photo Ionization Detector
MS	MS = Mass Spectrometry Detector
UV	UV = Ultraviolet Detector
IR	IR = Infrared Detector
FL	FL = Fluorescence Detector
PMT	PMT = Photo Multiplier Tube
CID	CID = Charge Injection Detector
COND	COND = Conductivity
TCD	TCD = Thermal Conductivity Detector
SCD	SCD = Sulfur Chemiluminescence Detector

EDDID

Valid Values	Notes
SEDD	Staged Electronic Data Deliverable.

EDDImplementationID

Valid Values

GENERAL_1
GENERAL_2a
GENERAL_2b
GENERAL_3
ORGANICGENERAL_2a
ORGANICGENERAL_2b
ORGANICGENERAL_3
SEDD_5-2_GENERAL_3
SEDD_5-2_GENERAL_2b
SEDD_5-2_GENERAL_2a
SEDD_5-2_GENERAL_1

EDDImplementationVersion

Valid Values

1
2
3
4

EDDVersion

Valid Values

Draft 4.2
Draft 5.0
Draft 5.1
5.2

ExpectedResultUncertaintyIntervalType

Valid Values

Symmetric_Interval
Other_Interval

Notes

This interval is centered on the ExpectedResult value.
This interval includes the ExpectedResult value.

ExpectedResultUncertaintyType

Valid Values	Notes
Category A	The estimate of the ExpectedResultUncertainty is directly determined using a statistically-based method.
Category B	The estimate of the ExpectedResultUncertainty is directly determined using some other method.

ExpectedResultUncertaintyUnits

Valid Values	Notes
pg	pg = picograms
pg/uL	pg/uL = picograms per microliter
pg/mL	pg/mL = picograms per milliliter
pg/L	pg/L = picograms per liter
pg/mg	pg/mg = picograms per milligram
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/cm ²	pg/cm ² = picograms per square centimeter
pg/cm ³	pg/cm ³ = picograms per cubic centimeter
pg/m ²	pg/m ² = picograms per square meter
pg/m ³	pg/m ³ = picograms per cubic meter
ng	ng = nanograms
ng/uL	ng/uL = nanograms per microliter
ng/mL	ng/mL = nanograms per milliliter
ng/L	ng/L = nanograms per liter
ng/mg	ng/mg = nanograms per milligram
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/cm ²	ng/cm ² = nanograms per square centimeter
ng/cm ³	ng/cm ³ = nanograms per cubic centimeter
ng/m ²	ng/m ² = nanograms per square meter
ng/m ³	ng/m ³ = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm ²	ug/cm ² = micrograms per square centimeter
ug/cm ³	ug/cm ³ = micrograms per cubic centimeter
ug/m ²	ug/m ² = micrograms per square meter
ug/m ³	ug/m ³ = micrograms per cubic meter

Valid Values	Notes
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm ²	mg/cm ² = milligrams per square centimeter
mg/cm ³	mg/cm ³ = milligrams per cubic centimeter
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ = milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoliters per milliliter
pL/L	pL/L = picoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
nL/L	nL/L = nanoliters per liter
uL/mL	uL/mL = microliters per milliliter
uL/L	uL/L = microliters per liter
mL/L	mL/L = milliliters per liter
pBq	pBq = picobecquerels
pBq/uL	pBq/uL = picobecquerels per microliter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/L	pBq/L = picobecquerels per liter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/cm ²	pBq/cm ² = picobecquerels per square centimeter
pBq/cm ³	pBq/cm ³ = picobecquerels per cubic centimeter
pBq/m ²	pBq/m ² = picobecquerels per square meter
pBq/m ³	pBq/m ³ = picobecquerels per cubic meter
nBq	nBq = nanobecquerels
nBq/uL	nBq/uL = nanobecquerels per microliter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/L	nBq/L = nanobecquerels per liter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/cm ²	nBq/cm ² = nanobecquerels per square centimeter

Valid Values	Notes
nBq/cm ³	nBq/cm ³ = nanobecquerels per cubic centimeter
nBq/m ²	nBq/m ² = nanobecquerels per square meter
nBq/m ³	nBq/m ³ = nanobecquerels per cubic meter
uBq	uBq = microbecquerels
uBq/uL	uBq/uL = microbecquerels per microliter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/L	uBq/L = microbecquerels per liter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/cm ²	uBq/cm ² = microbecquerels per square centimeter
uBq/cm ³	uBq/cm ³ = microbecquerels per cubic centimeter
uBq/m ²	uBq/m ² = microbecquerels per square meter
uBq/m ³	uBq/m ³ = microbecquerels per cubic meter
mBq	mBq = millibecquerels
mBq/uL	mBq/uL = millibecquerels per microliter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/L	mBq/L = millibecquerels per liter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/cm ²	mBq/cm ² = millibecquerels per square centimeter
mBq/cm ³	mBq/cm ³ = millibecquerels per cubic centimeter
mBq/m ²	mBq/m ² = millibecquerels per square meter
mBq/m ³	mBq/m ³ = millibecquerels per cubic meter
Bq	Bq = becquerels
Bq/uL	Bq/uL = becquerels per microliter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/L	Bq/L = becquerels per liter
Bq/mg	Bq/mg = becquerels per milligram
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/cm ²	Bq/cm ² = becquerels per square centimeter
Bq/cm ³	Bq/cm ³ = becquerels per cubic centimeter
Bq/m ²	Bq/m ² = becquerels per square meter
Bq/m ³	Bq/m ³ = becquerels per cubic meter
uSv	uSv = microSieverts
uSv/s	uSv/s = microSieverts per second
uSv/min	uSv/min = microSieverts per minute
uSv/h	uSv/h = microSieverts per hour
uSv/d	uSv/d = microSieverts per day
mSv	mSv = milliSieverts
mSv/s	mSv/s = milliSieverts per second
mSv/min	mSv/min = milliSieverts per minute

Valid Values	Notes
mSv/h	mSv/h = milliSieverts per hour
mSv/d	mSv/d = milliSieverts per day
Sv	Sv = Sieverts
Sv/s	Sv/s = Sieverts per second
Sv/min	Sv/min = Sieverts per minute
Sv/h	Sv/h = Sieverts per hour
Sv/d	Sv/d = Sieverts per day
uGy	uGy = microGrays
uGy/s	uGy/s = microGrays per second
uGy/min	uGy/min = microGrays per minute
uGy/h	uGy/h = microGrays per hour
uGy/d	uGy/d = microGrays per day
mGy	mGy = milliGrays
mGy/s	mGy/s = milliGrays per second
mGy/min	mGy/min = milliGrays per minute
mGy/h	mGy/h = milliGrays per hour
mGy/d	mGy/d = milliGrays per day
Gy	Gy = Grays
Gy/s	Gy/s = Grays per second
Gy/min	Gr/min = Grays per minute
Gy/h	Gr/h = Grays per hour
Gy/d	Gr/d = Grays per day

ExpectedResultUnits

Valid Values	Notes
pg	pg = picograms
pg/uL	pg/uL = picograms per microliter
pg/mL	pg/mL = picograms per milliliter
pg/L	pg/L = picograms per liter
pg/mg	pg/mg = picograms per milligram
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
ng	ng = nanograms
ng/uL	ng/uL = nanograms per microliter
ng/mL	ng/mL = nanograms per milliliter
ng/L	ng/L = nanograms per liter
ng/mg	ng/mg = nanograms per milligram
ng/g	ng/g = nanograms per gram

Valid Values	Notes
ng/kg	ng/kg = nanograms per kilogram
ng/cm ²	ng/cm ² = nanograms per square centimeter
ng/cm ³	ng/cm ³ = nanograms per cubic centimeter
ng/m ²	ng/m ² = nanograms per square meter
ng/m ³	ng/m ³ = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm ²	ug/cm ² = micrograms per square centimeter
ug/cm ³	ug/cm ³ = micrograms per cubic centimeter
ug/m ²	ug/m ² = micrograms per square meter
ug/m ³	ug/m ³ = micrograms per cubic meter
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm ²	mg/cm ² = milligrams per square centimeter
mg/cm ³	mg/cm ³ = milligrams per cubic centimeter
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ = milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoliters per milliliter
pL/L	pL/L = picoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
nL/L	nL/L = nanoliters per liter
uL/mL	uL/mL = microliters per milliliter
uL/L	uL/L = microliters per liter
mL/L	mL/L = milliliters per liter
pBq	pBq = picobecquerels
pBq/uL	pBq/uL = picobecquerels per microliter
pBq/mL	pBq/mL = picobecquerels per milliliter

Valid Values	Notes
pBq/L	pBq/L = picobecquerels per liter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/cm ²	pBq/cm ² = picobequerels per square centimeter
pBq/cm ³	pBq/cm ³ = picobequerels per cubic centimeter
pBq/m ²	pBq/m ² = picobequerels per square meter
pBq/m ³	pBq/m ³ = picobequerels per cubic meter
nBq	nBq = nanobecquerels
nBq/uL	nBq/uL = nanobecquerels per microliter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/L	nBq/L = nanobecquerels per liter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/cm ²	nBq/cm ² = nanobequerels per square centimeter
nBq/cm ³	nBq/cm ³ = nanobequerels per cubic centimeter
nBq/m ²	nBq/m ² = nanobequerels per square meter
nBq/m ³	nBq/m ³ = nanobequerels per cubic meter
uBq	uBq = microbecquerels
uBq/uL	uBq/uL = microbecquerels per microliter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/L	uBq/L = microbecquerels per liter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/cm ²	uBq/cm ² = microbequerels per square centimeter
uBq/cm ³	uBq/cm ³ = microbequerels per cubic centimeter
uBq/m ²	uBq/m ² = microbequerels per square meter
uBq/m ³	uBq/m ³ = microbequerels per cubic meter
mBq	mBq = millibecquerels
mBq/uL	mBq/uL = millibecquerels per microliter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/L	mBq/L = millibecquerels per liter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/cm ²	mBq/cm ² = millibequerels per square centimeter
mBq/cm ³	mBq/cm ³ = millibequerels per cubic centimeter
mBq/m ²	mBq/m ² = millibequerels per square meter
mBq/m ³	mBq/m ³ = millibequerels per cubic meter
Bq	Bq = becquerels
Bq/uL	Bq/uL = becquerels per microliter
Bq/mL	Bq/mL = becquerels per milliliter

Valid Values	Notes
Bq/L	Bq/L = becquerels per liter
Bq/mg	Bq/mg = becquerels per milligram
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/cm ²	Bq/cm ² = bequerels per square centimeter
Bq/cm ³	Bq/cm ³ = bequerels per cubic centimeter
Bq/m ²	Bq/m ² = bequerels per square meter
Bq/m ³	Bq/m ³ = bequerels per cubic meter
uSv	uSv = microSieverts
uSv/s	uSv/s = microSieverts per second
uSv/min	uSv/min = microSieverts per minute
uSv/h	uSv/h = microSieverts per hour
uSv/d	uSv/d = microSieverts per day
mSv	mSv = milliSieverts
mSv/s	mSv/s = milliSieverts per second
mSv/min	mSv/min = milliSieverts per minute
mSv/h	mSv/h = milliSieverts per hour
mSv/d	mSv/d = milliSieverts per day
Sv	Sv = Sieverts
Sv/s	Sv/s = Sieverts per second
Sv/min	Sv/min = Sieverts per minute
Sv/h	Sv/h = Sieverts per hour
Sv/d	Sv/d = Sieverts per day
uGy	uGy = microGrays
uGy/s	uGy/s = microGrays per second
uGy/min	uGy/min = microGrays per minute
uGy/h	uGy/h = microGrays per hour
uGy/d	uGy/d = microGrays per day
mGy	mGy = milliGrays
mGy/s	mGy/s = milliGrays per second
mGy/min	mGy/min = milliGrays per minute
mGy/h	mGy/h = milliGrays per hour
mGy/d	mGy/d = milliGrays per day
Gy	Gy = Grays
Gy/s	Gy/s = Grays per second
Gy/min	Gr/min = Grays per minute
Gy/h	Gr/h = Grays per hour
Gy/d	Gr/d = Grays per day

Filtered

Valid Values

Yes
No

FinalAmountUnits

Valid Values

Notes

uL	uL = microliters
mL	mL = milliliters
L	L = liters
cm2	cm2 = square centimeters
cm3	cm3 = cubic centimeters
m2	m2 = square meters
m3	m3 = cubic meters
pg	pg = picograms
ng	ng = nanograms
ug	ug = micrograms
mg	mg = milligrams
g	g = grams
kg	kg = kilograms

HeatedPurge

Valid Values

Yes
No

Inclusion

Valid Values

Yes
No

InitialAmountUnits

Valid Values	Notes
uL	uL = microliters
mL	mL = milliliters
L	L = liters
cm2	cm2 = square centimeters
cm3	cm3 = cubic centimeters
m2	m2 = square meters
m3	m3 = cubic meters
pg	pg = picograms
ng	ng = nanograms
ug	ug = micrograms
mg	mg = milligrams
g	g = grams
kg	kg = kilograms

InjectionVolumeUnits

Valid Values	Notes
uL	uL = microliters
mL	mL = milliliters
L	L = liters
cm2	cm2 = square centimeters
cm3	cm3 = cubic centimeters
m2	m2 = square meters
m3	m3 = cubic meters
pg	pg = picograms
ng	ng = nanograms
ug	ug = micrograms
mg	mg = milligrams
g	g = grams
kg	kg = kilograms

InterelementCorrection

Valid Values
Yes
No

IntermediateResultLimitType

Valid Values

Calibrated_Range
Linear_Range
Client
Lab
Method
Vendor

IntermediateResultUncertaintyIntervalType

Valid Values

Symmetric_Interval
Other_Interval

Notes

This interval is centered on the IntermediateResult value.
This interval includes the IntermediateResult value.

IntermediateResultUncertaintyType

Valid Values

Category A
Category B

Notes

The estimate of the IntermediateResultUncertainty is directly determined using a statistically-based method.
The estimate of the IntermediateResultUncertainty is directly determined using some other method.

IntermediateResultUncertaintyUnits

Valid Values

pg
pg/uL
pg/mL
pg/L
pg/mg
pg/g
pg/kg
pg/cm2
pg/cm3
pg/m2
pg/m3
ng
ng/uL
ng/mL
ng/L
ng/mg

Notes

pg = picograms
pg/uL = picograms per microliter
pg/mL = picograms per milliliter
pg/L = picograms per liter
pg/mg = picograms per milligram
pg/g = picograms per gram
pg/kg = picograms per kilogram
pg/cm2 = picograms per square centimeter
pg/cm3 = picograms per cubic centimeter
pg/m2 = picograms per square meter
pg/m3 = picograms per cubic meter
ng = nanograms
ng/uL = nanograms per microliter
ng/mL = nanograms per milliliter
ng/L = nanograms per liter
ng/mg = nanograms per milligram

Valid Values	Notes
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/cm ²	ng/cm ² = nanograms per square centimeter
ng/cm ³	ng/cm ³ = nanograms per cubic centimeter
ng/m ²	ng/m ² = nanograms per square meter
ng/m ³	ng/m ³ = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm ²	ug/cm ² = micrograms per square centimeter
ug/cm ³	ug/cm ³ = micrograms per cubic centimeter
ug/m ²	ug/m ² = micrograms per square meter
ug/m ³	ug/m ³ = micrograms per cubic meter
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm ²	mg/cm ² = milligrams per square centimeter
mg/cm ³	mg/cm ³ = milligrams per cubic centimeter
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ = milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoliters per milliliter
pL/L	pL/L = picoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
nL/L	nL/L = nanoliters per liter
uL/mL	uL/mL = microliters per milliliter
uL/L	uL/L = microliters per liter
mL/L	mL/L = milliliters per liter
pBq	pBq = picobecquerels
pBq/uL	pBq/uL = picobecquerels per microliter

Valid Values	Notes
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/L	pBq/L = picobecquerels per liter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/cm ²	pBq/cm ² = picobequerels per square centimeter
pBq/cm ³	pBq/cm ³ = picobequerels per cubic centimeter
pBq/m ²	pBq/m ² = picobequerels per square meter
pBq/m ³	pBq/m ³ = picobequerels per cubic meter
nBq	nBq = nanobecquerels
nBq/uL	nBq/uL = nanobecquerels per microliter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/L	nBq/L = nanobecquerels per liter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/cm ²	nBq/cm ² = nanobequerels per square centimeter
nBq/cm ³	nBq/cm ³ = nanobequerels per cubic centimeter
nBq/m ²	nBq/m ² = nanobequerels per square meter
nBq/m ³	nBq/m ³ = nanobequerels per cubic meter
uBq	uBq = microbecquerels
uBq/uL	uBq/uL = microbecquerels per microliter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/L	uBq/L = microbecquerels per liter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/cm ²	uBq/cm ² = microbequerels per square centimeter
uBq/cm ³	uBq/cm ³ = microbequerels per cubic centimeter
uBq/m ²	uBq/m ² = microbequerels per square meter
uBq/m ³	uBq/m ³ = microbequerels per cubic meter
mBq	mBq = millibecquerels
mBq/uL	mBq/uL = millibecquerels per microliter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/L	mBq/L = millibecquerels per liter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/cm ²	mBq/cm ² = millibequerels per square centimeter
mBq/cm ³	mBq/cm ³ = millibequerels per cubic centimeter
mBq/m ²	mBq/m ² = millibequerels per square meter
mBq/m ³	mBq/m ³ = millibequerels per cubic meter
Bq	Bq = becquerels
Bq/uL	Bq/uL = becquerels per microliter

Valid Values	Notes
Bq/mL	Bq/mL = becquerels per milliliter
Bq/L	Bq/L = becquerels per liter
Bq/mg	Bq/mg = becquerels per milligram
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/cm ²	Bq/cm ² = bequerels per square centimeter
Bq/cm ³	Bq/cm ³ = bequerels per cubic centimeter
Bq/m ²	Bq/m ² = bequerels per square meter
Bq/m ³	Bq/m ³ = bequerels per cubic meter
uSv	uSv = microSieverts
uSv/s	uSv/s = microSieverts per second
uSv/min	uSv/min = microSieverts per minute
uSv/h	uSv/h = microSieverts per hour
uSv/d	uSv/d = microSieverts per day
mSv	mSv = milliSieverts
mSv/s	mSv/s = milliSieverts per second
mSv/min	mSv/min = milliSieverts per minute
mSv/h	mSv/h = milliSieverts per hour
mSv/d	mSv/d = milliSieverts per day
Sv	Sv = Sieverts
Sv/s	Sv/s = Sieverts per second
Sv/min	Sv/min = Sieverts per minute
Sv/h	Sv/h = Sieverts per hour
Sv/d	Sv/d = Sieverts per day
uGy	uGy = microGrays
uGy/s	uGy/s = microGrays per second
uGy/min	uGy/min = microGrays per minute
uGy/h	uGy/h = microGrays per hour
uGy/d	uGy/d = microGrays per day
mGy	mGy = milliGrays
mGy/s	mGy/s = milliGrays per second
mGy/min	mGy/min = milliGrays per minute
mGy/h	mGy/h = milliGrays per hour
mGy/d	mGy/d = milliGrays per day
Gy	Gy = Grays
Gy/s	Gy/s = Grays per second
Gy/min	Gr/min = Grays per minute
Gy/h	Gr/h = Grays per hour
Gy/d	Gr/d = Grays per day

IntermediateResultUnits

Valid Values	Notes
pg	pg = picograms
pg/uL	pg/uL = picograms per microliter
pg/mL	pg/mL = picograms per milliliter
pg/L	pg/L = picograms per liter
pg/mg	pg/mg = picograms per milligram
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
ng	ng = nanograms
ng/uL	ng/uL = nanograms per microliter
ng/mL	ng/mL = nanograms per milliliter
ng/L	ng/L = nanograms per liter
ng/mg	ng/mg = nanograms per milligram
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm2	mg/cm2 = milligrams per square centimeter

Valid Values	Notes
mg/cm ³	mg/cm ³ = milligrams per cubic centimeter
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ - milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoliters per milliliter
pL/L	pL/L = picoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
nL/L	nL/L = nanoliters per liter
uL/mL	uL/mL = microliters per milliliter
uL/L	uL/L = microliters per liter
mL/L	mL/L = milliliters per liter
pBq	pBq = picobecquerels
pBq/uL	pBq/uL = picobecquerels per microliter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/L	pBq/L = picobecquerels per liter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/cm ²	pBq/cm ² = picobecquerels per square centimeter
pBq/cm ³	pBq/cm ³ = picobecquerels per cubic centimeter
pBq/m ²	pBq/m ² = picobecquerels per square meter
pBq/m ³	pBq/m ³ = picobecquerels per cubic meter
nBq	nBq = nanobecquerels
nBq/uL	nBq/uL = nanobecquerels per microliter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/L	nBq/L = nanobecquerels per liter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/cm ²	nBq/cm ² = nanobecquerels per square centimeter
nBq/cm ³	nBq/cm ³ = nanobecquerels per cubic centimeter
nBq/m ²	nBq/m ² = nanobecquerels per square meter
nBq/m ³	nBq/m ³ = nanobecquerels per cubic meter
uBq	uBq = microbecquerels
uBq/uL	uBq/uL = microbecquerels per microliter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/L	uBq/L = microbecquerels per liter
uBq/mg	uBq/mg = microbecquerels per milligram

Valid Values	Notes
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/cm ²	uBq/cm ² = microbecquerels per square centimeter
uBq/cm ³	uBq/cm ³ = microbecquerels per cubic centimeter
uBq/m ²	uBq/m ² = microbecquerels per square meter
uBq/m ³	uBq/m ³ = microbecquerels per cubic meter
mBq	mBq = millibecquerels
mBq/uL	mBq/uL = millibecquerels per microliter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/L	mBq/L = millibecquerels per liter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/cm ²	mBq/cm ² = millibecquerels per square centimeter
mBq/cm ³	mBq/cm ³ = millibecquerels per cubic centimeter
mBq/m ²	mBq/m ² = millibecquerels per square meter
mBq/m ³	mBq/m ³ = millibecquerels per cubic meter
Bq	Bq = becquerels
Bq/uL	Bq/uL = becquerels per microliter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/L	Bq/L = becquerels per liter
Bq/mg	Bq/mg = becquerels per milligram
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/cm ²	Bq/cm ² = becquerels per square centimeter
Bq/cm ³	Bq/cm ³ = becquerels per cubic centimeter
Bq/m ²	Bq/m ² = becquerels per square meter
Bq/m ³	Bq/m ³ = becquerels per cubic meter
uSv	uSv = microSieverts
uSv/s	uSv/s = microSieverts per second
uSv/min	uSv/min = microSieverts per minute
uSv/h	uSv/h = microSieverts per hour
uSv/d	uSv/d = microSieverts per day
mSv	mSv = milliSieverts
mSv/s	mSv/s = milliSieverts per second
mSv/min	mSv/min = milliSieverts per minute
mSv/h	mSv/h = milliSieverts per hour
mSv/d	mSv/d = milliSieverts per day
Sv	Sv = Sieverts
Sv/s	Sv/s = Sieverts per second
Sv/min	Sv/min = Sieverts per minute
Sv/h	Sv/h = Sieverts per hour
Sv/d	Sv/d = Sieverts per day
uGy	uGy = microGrays

Valid Values	Notes
uGy/s	uGy/s = microGrays per second
uGy/min	uGy/min = microGrays per minute
uGy/h	uGy/h = microGrays per hour
uGy/d	uGy/d = microGrays per day
mGy	mGy = milliGrays
mGy/s	mGy/s = milliGrays per second
mGy/min	mGy/min = milliGrays per minute
mGy/h	mGy/h = milliGrays per hour
mGy/d	mGy/d = milliGrays per day
Gy	Gy = Grays
Gy/s	Gy/s = Grays per second
Gy/min	Gr/min = Grays per minute
Gy/h	Gr/h = Grays per hour
Gy/d	Gr/d = Grays per day

LabPointOfContactType

Valid Values

Primary
Secondary

LabResultStatus

Valid Values

Preliminary
Final

LabType

Valid Values

Field
Fixed
Mobile

ManualIntegration

Valid Values

Yes
No

MassLimitType

Valid Values

Client
Laboratory
Method
Vendor

Mass Units

Valid Values

u

Notes

u = Unified Atomic Mass Units

MatrixID

MatrixID Valid Values

Water
Ground_Water
Surface_Water
Leachate
Municipal_Waste
Industrial_Waste
Finished_Water
Canal
Reservoir
Lake
Ditch
Pond
Storm_Water
Drinking_Water
Saline_Water
Other_Aqueous
Air
Ambient_Air
Indoor_Air
Stack_Gases
Other_Air
Ash
Soil
Surface_Soil
Subsurface_Soil
Sediment
Tissue

MatrixMedium Valid Values

Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Aqueous
Air
Air
Air
Air
Air
Solid
Solid
Solid
Solid
Solid
Solid

MatrixID Valid Values	MatrixMedium Valid Values
Filter	Solid
Construction_Material	Solid
Process_Waste	Solid
Fallout	Solid
Dust	Solid
Consumer_Product	Solid
Wipe	Solid
Other_Solid	Solid
Pure_Product	Non_Aqueous_Liquid
Oil	Non_Aqueous_Liquid
Oily_Sludge	Non_Aqueous_Liquid
Gasoline	Non_Aqueous_Liquid
Other_Non_Aqueous	Non_Aqueous_Liquid
	Biological_Tissue*

*MatrixID Valid Values corresponding to the Biological Tissue value for MatrixMedium are pending.

MatrixMedium

This data element is dependent on the MatrixID element. Choose the appropriate MatrixMedium from the list in the MatrixID element entry.

MeanRelativeResponseLimitType

Valid Values

Client
Laboratory
Method
Vendor

MeanRetentionTimeLimitType

Valid Values

Client
Laboratory
Method
Vendor

MeanRetentionTimeUnits

Valid Values	Notes
us	us = microseconds
ms	ms = milliseconds
s	s = seconds
min	min = minutes
h	h = hours
d	d = days

MeanRRFLimitType

Valid Values	Notes
Client	
Laboratory	
Method	
Vendor	

MethodCategory

Valid Values	Notes
VOAs	VOAs = Volatile Organics
SVOAs	SVOAs = Semivolatile Organics
Metals	
PESTs	PESTs = Pesticides
PCBs	PCBs = Polychlorinated biphenyls
Wet	

MethodCode

None available at this time.

MethodID

Based on the National Environmental Methods Index (www.nemi.gov)

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
0010	Modified Method 5 Sampling Train	Revision 0, September 1986	USEPA_OSW
0011	Sampling for Selected Aldehyde and Ketone Emissions From Stationary Sources	Revision 0, December 1996	USEPA_OSW
0020	Source Assessment Sampling System (SASS)	Revision 0, September 1986	USEPA_OSW
0023A	Sampling Method for Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofuran Emissions From Stationary Sources	Revision 1, December 1996	USEPA_OSW
0030	Volatile Organic Sampling Train	Revision 0, September 1986	USEPA_OSW
0031	Sampling Method for Volatile Organic Compounds (SMVOC)	Revision 0, December 1996	USEPA_OSW
0040	Sampling of Principal Organic Hazardous Constituents From Combustion Sources Using Tedlar Bags	Revision 0, December 1996	USEPA_OSW
0050	Isokinetic HCl/Cl ₂ Emission Sampling Train	Revision 0, December 1996	USEPA_OSW
0051	Midget Impinger HCl/Cl ₂ Emission Sampling Train	Revision 0, December 1996	USEPA_OSW
0060	Determination of Metals in Stack Emissions	Revision 0, December 1996	USEPA_OSW
0061	Determination of Hexavalent Chromium Emissions From Stationary Sources	Revision 0, December 1996	USEPA_OSW
0100	Sampling for Formaldehyde and Other Carbonyl Compounds in Indoor Air	Revision 0, December 1996	USEPA_OSW
1010	Pensky-Martens Closed-Cup Method for Determining Ignitability	Revision 0, September 1986	USEPA_OSW
1020A	Setaflash Closed-Cup Method for Determining Ignitability	Revision 1, July 1992	USEPA_OSW
1030	Ignitability of Solids	Revision 0, December 1996	USEPA_OSW
1040	Test Method for Oxidizing Solids	Revision 0, November 2000	USEPA_OSW
1050	Test Methods to Determine Substances Likely to Spontaneously Combust	Revision 0, November 2000	USEPA_OSW
1110	Corrosivity Toward Steel	Revision 0, September 1986	USEPA_OSW
1120	Dermal Corrosion	Revision 0, December 1996	USEPA_OSW
1310A	Extraction Procedure (EP) Toxicity Test Method and Structural Integrity Test	Revision 1, July 1992	USEPA_OSW
1311	Toxicity Characteristic Leaching Procedure	Revision 0, July 1992	USEPA_OSW

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
1312	Synthetic Precipitation Leaching Procedure	Revision 0, September 1994	USEPA_OSW
1320	Multiple Extraction Procedure	Revision 0, September 1986	USEPA_OSW
1330A	Extraction Procedure for Oily Wastes	Revision 1, July 1992	USEPA_OSW
1613B	Tetra-Through Octa-Chlorinated Dioxins and Furans by Isotope Dilution HRGC/HRMS	Revision B, October 1994	USEPA_OSW
3005A	Acid Digestion of Waters for Total Recoverable or Dissolved Metals for Analysis by FLAA or ICP Spectroscopy	Revision 1, July 1992	USEPA_OSW
3010A	Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by FLAA or ICP Spectroscopy	Revision 1, July 1992	USEPA_OSW
3015	Microwave Assisted Acid Digestion of Aqueous Samples and Extracts	Revision 0, September 1994	USEPA_OSW
3015A	Microwave Assisted Acid Digestion of Aqueous Samples and Extracts	Revision 1, January 1998	USEPA_OSW
3020A	Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by GFAA Spectroscopy	Revision 1, July 1992	USEPA_OSW
3031	Acid Digestion of Oils for Metals Analysis by Atomic Absorption or ICP Spectrometry	Revision 0, December 1996	USEPA_OSW
3040A	Dissolution Procedure for Oils, Greases, or Waxes	Revision 1, December 1996	USEPA_OSW
3050B	Acid Digestion of Sediments, Sludges, and Soils	Revision 2, December 1996	USEPA_OSW
3051	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils, and Oils	Revision 0, September 1994	USEPA_OSW
3051A	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils, and Oils	Revision 1, January 1998	USEPA_OSW
3052	Microwave Assisted Acid Digestion of Siliceous and Organically Based Matrices	Revision 0, December 1996	USEPA_OSW
3060A	Alkaline Digestion for Hexavalent Chromium	Revision 1, December 1996	USEPA_OSW
3500B	Organic Extraction and Sample Preparation	Revision 2, December 1996	USEPA_OSW
3500C	Organic Extraction and Sample Preparation	Revision 3, November 2000	USEPA_OSW
3510C	Separatory Funnel Liquid-Liquid Extraction	Revision 3, December 1996	USEPA_OSW
3511	Organic Compounds in Water By Microextraction	Revision 0, November 2002	USEPA_OSW
3520C	Continuous Liquid-Liquid Extraction	Revision 3, December 1996	USEPA_OSW
3535	Solid-Phase Extraction (SPE)	Revision 0, December 1996	USEPA_OSW
3535A	Solid-Phase Extraction (SPE)	Revision 1, January 1998	USEPA_OSW

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
3540C	Soxhlet Extraction	Revision 3, December 1996	USEPA_OSW
3541	Automated Soxhlet Extraction	Revision 0, September 1994	USEPA_OSW
3542	Extraction of Semivolatile Analytes Collected Using Method 0010 (Modified Method 5 Sampling Train)	Revision 0, December 1996	USEPA_OSW
3545	Pressurized Fluid Extraction (PFE)	Revision 0, December 1996	USEPA_OSW
3545A	Pressurized Fluid Extraction (PFE)	Revision 1, January 1998	USEPA_OSW
3546	Microwave Extraction	Revision 0, November 2000	USEPA_OSW
3550B	Ultrasonic Extraction	Revision 2, December 1996	USEPA_OSW
3550C	Ultrasonic Extraction	Revision 3, November 2000	USEPA_OSW
3560	Supercritical Fluid Extraction of Total Recoverable Petroleum Hydrocarbons	Revision 0, December 1996	USEPA_OSW
3561	Supercritical Fluid Extraction of Polynuclear Aromatic Hydrocarbons	Revision 0, December 1996	USEPA_OSW
3562	Supercritical Fluid Extraction of Polychlorinated Biphenyls (PCBs) and Organochlorine Pesticides	Revision 0, January 1998	USEPA_OSW
3570	Microscale Solvent Extraction (MSE)	Revision 0, November 2002	USEPA_OSW
3580A	Waste Dilution	Revision 1, July 1992	USEPA_OSW
3585	Waste Dilution for Volatile Organics	Revision 0, December 1996	USEPA_OSW
3600C	Cleanup	Revision 3, December 1996	USEPA_OSW
3610B	Alumina Cleanup	Revision 2, December 1996	USEPA_OSW
3611B	Alumina Column Cleanup and Separation of Petroleum Wastes	Revision 2, December 1996	USEPA_OSW
3620B	Florisil Cleanup	Revision 2, December 1996	USEPA_OSW
3620C	Florisil Cleanup	Revision 3, November 2000	USEPA_OSW
3630C	Silica Gel Cleanup	Revision 3, December 1996	USEPA_OSW
3640A	Gel-Permeation Cleanup	Revision 1, September 1994	USEPA_OSW
3650B	Acid-Base Partition Cleanup	Revision 2, December 1996	USEPA_OSW
3660B	Sulfur Cleanup	Revision 2, December 1996	USEPA_OSW
3665A	Sulfuric Acid/Permanganate Cleanup	Revision 1, December 1996	USEPA_OSW

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
3810	Headspace	Revision 1, September 1986	USEPA_OSW
3815	Screening Soil Samples for Volatile Organics	Revision 0, November 2000	USEPA_OSW
3820	Hexadecane Extraction and Screening of Purgeable Organics	Revision 0, September 1986	USEPA_OSW
4000	Immunoassay	Revision 0, December 1996	USEPA_OSW
4010A	Screening for Pentachlorophenol by Immunoassay	Revision 1, December 1996	USEPA_OSW
4015	Screening for 2,4-Dichlorophenoxyacetic Acid by Immunoassay	Revision 0, December 1996	USEPA_OSW
4020	Screening for Polychlorinated Biphenyls by Immunoassay	Revision 0, December 1996	USEPA_OSW
4025	Screening for Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans (PCDD/Fs) by Immunoassay	Revision 0, October 2002	USEPA_OSW
4030	Soil Screening for Petroleum Hydrocarbons by Immunoassay	Revision 0, December 1996	USEPA_OSW
4035	Soil Screening for Polynuclear Aromatic Hydrocarbons by Immunoassay	Revision 0, December 1996	USEPA_OSW
4040	Soil Screening for Toxaphene by Immunoassay	Revision 0, December 1996	USEPA_OSW
4041	Soil Screening for Chlordane by Immunoassay	Revision 0, December 1996	USEPA_OSW
4042	Soil Screening for DDT by Immunoassay	Revision 0, December 1996	USEPA_OSW
4050	TNT Explosives in Soil by Immunoassay	Revision 0, December 1996	USEPA_OSW
4051	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX) in Soil by Immunoassay	Revision 0, December 1996	USEPA_OSW
4425	Screening Extracts of Environmental Samples For Planar Organic Compounds (PAHs, PCBs, PCDDs/PCDFs) by a Reporter Gene on a Human Cell Line	Revision 0, November 2000	USEPA_OSW
4500	Mercury in Soil by Immunoassay	Revision 0, January 1998	USEPA_OSW
4670	Triazine Herbicides as Atrazine in Water by Quantitative Immunoassay	Revision 0, January 1998	USEPA_OSW
5000	Sample Preparation for Volatile Organic Compounds	Revision 0, December 1996	USEPA_OSW
5021	Volatile Organic Compounds in Soils and Other Solid Matrices Using Equilibrium Headspace Analysis	Revision 0, December 1996	USEPA_OSW
5021A	Volatile Organic Compounds in Soils and Other Solid Matrices Using Equilibrium Headspace Analysis	Revision 1, June 2003	USEPA_OSW
5030B	Purge-And-Trap for Aqueous Samples	Revision 2, December 1996	USEPA_OSW
5030C	Purge-And-Trap for Aqueous Samples	Revision 3, May 2003	USEPA_OSW

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
5031	Volatile, Nonpurgeable, Water-Soluble Compounds by Azeotropic Distillation	Revision 0, December 1996	USEPA_OSW
5032	Volatile Organic Compounds by Vacuum Distillation	Revision 0, December 1996	USEPA_OSW
5035	Closed System Purge-And-Trap and Extraction for Volatile Organics in Soil and Water Samples	Revision 0, December 1996	USEPA_OSW
5035A	Closed-System Purge-And-Trap and Extraction for Volatile Organics in Soil and Waste Samples	Draft Revision 1, July 2002	USEPA_OSW
5040A	Analysis of Sorbent Cartridges From Volatile Organic Sampling Train (VOST): Gas Chromatography/Mass Spectrometry Technique	Revision 1, September 1994	USEPA_OSW
5041A	Analysis for Desorption of Sorbent Cartridges From Volatile Organic Sampling Train (VOST)	Revision 1, December 1996	USEPA_OSW
5050	Bomb Preparation Method for Solid Waste	Revision 1, September 1994	USEPA_OSW
6010B	Inductively Coupled Plasma-Atomic Emission Spectrometry	Revision 2, December 1996	USEPA_OSW
6010C	Inductively Coupled Plasma-Atomic Emission Spectrometry	Revision 3, November 2000	USEPA_OSW
6020	Inductively Coupled Plasma - Mass Spectrometry	Revision 0, September 1994	USEPA_OSW
6020A	Inductively Coupled Plasma - Mass Spectrometry	Revision 1, January 1998	USEPA_OSW
6200	Field Portable X-Ray Fluorescence Spectrometry for the Determination of Elemental Concentrations in Soil and Sediment	Revision 0, January 1998	USEPA_OSW
6500	Dissolved Inorganic Anions in Aqueous Matrices by Capillary Ion Electrophoresis	Revision 0, January 1998	USEPA_OSW
6800	Elemental and Speciated Isotope Dilution Mass Spectrometry	Revision 0, January 1998	USEPA_OSW
7000A	Atomic Absorption Methods	Revision 1, July 1992	USEPA_OSW
7000B	Flame Atomic Absorption Spectrophotometry	Revision 2, January 1998	USEPA_OSW
7010	Graphite Furnace Atomic Absorption Spectrophotometry	Revision 0, January 1998	USEPA_OSW
7020	Aluminum (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7040	Antimony (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7041	Antimony (Atomic Absorption, Furnace Technique)	Revision 0, September 1986	USEPA_OSW
7060A	Arsenic (Atomic Absorption, Furnace Technique)	Revision 1, September 1994	USEPA_OSW
7061A	Arsenic (Atomic Absorption, Gaseous Hydride)	Revision 1, July 1992	USEPA_OSW
7062	Antimony and Arsenic (Atomic Absorption, Borohydride Reduction)	Revision 0, September 1994	USEPA_OSW

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
7063	Arsenic in Aqueous Samples and Extracts by Anodic Stripping Voltammetry (ASV)	Revision 0, December 1996	USEPA_OSW
7080A	Barium (Atomic Absorption, Direct Aspiration)	Revision 1, September 1994	USEPA_OSW
7081	Barium (Atomic Absorption, Furnace Technique)	Revision 0, July 1992	USEPA_OSW
7090	Beryllium (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7091	Beryllium (Atomic Absorption, Furnace Technique)	Revision 0, September 1986	USEPA_OSW
7130	Cadmium (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7131A	Cadmium (Atomic Absorption, Furnace Technique)	Revision 1, September 1994	USEPA_OSW
7140	Calcium (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7190	Chromium (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7191	Chromium (Atomic Absorption, Furnace Technique)	Revision 0, September 1986	USEPA_OSW
7195	Chromium, Hexavalent (Coprecipitation)	Revision 0, September 1986	USEPA_OSW
7196A	Chromium, Hexavalent (Colorimetric)	Revision 1, July 1992	USEPA_OSW
7197	Chromium, Hexavalent (Chelation/Extraction)	Revision 0, September 1986	USEPA_OSW
7198	Chromium, Hexavalent (Differential Pulse Polarography)	Revision 0, September 1986	USEPA_OSW
7199	Determination of Hexavalent Chromium in Drinking Water, Groundwater and Industrial Wastewater Effluents by Ion Chromatography	Revision 0, December 1996	USEPA_OSW
7200	Cobalt (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7201	Cobalt (Atomic Absorption, Furnace Technique)	Revision 0, September 1986	USEPA_OSW
7211	Copper (Atomic Absorption, Furnace Technique)	Revision 0, July 1992	USEPA_OSW
7380	Iron (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7381	Iron (Atomic Absorption, Furnace Technique)	Revision 0, July 1992	USEPA_OSW
7420	Lead (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7421	Lead (Atomic Absorption, Furnace Technique)	Revision 0, September 1986	USEPA_OSW
7430	Lithium (Atomic Absorption, Direct Aspiration)	Revision 0, July 1992	USEPA_OSW
7450	Magnesium (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
7460	Manganese (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7461	Manganese (Atomic Absorption, Furnace Technique)	Revision 0, July 1992	USEPA_OSW
7470A	Mercury in Liquid Waste (Manual Cold-Vapor Technique)	Revision 1, September 1994	USEPA_OSW
7471A	Mercury in Solid or Semisolid Waste (Manual Cold- Vapor Technique)	Revision 1, September 1994	USEPA_OSW
7471B	Mercury in Solid or Semisolid Waste (Manual Cold- Vapor Technique)	Revision 2, January 1998	USEPA_OSW
7472	Mercury in Aqueous Samples and Extracts by Anodic Stripping Voltammetry (ASV)	Revision 0, December 1996	USEPA_OSW
7473	Mercury in Solids and Solutions by Thermal Decomposition, Amalgamation, and Atomic Absorption Spectrophotometry	Revision 0, January 1998	USEPA_OSW
7474	Mercury in Sediment and Tissue Samples by Atomic Fluorescence Spectrometry	Revision 0, January 1998	USEPA_OSW
7480	Molybdenum (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7481	Molybdenum (Atomic Absorption, Furnace Technique)	Revision 0, September 1986	USEPA_OSW
7520	Nickel (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7521	Nickel (Atomic Absorption, Furnace Method)	Revision 0, December 1996	USEPA_OSW
7550	Osmium (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7580	White Phosphorus (P4) by Solvent Extraction and Gas Chromatography	Revision 0, December 1996	USEPA_OSW
7610	Potassium (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7740	Selenium (Atomic Absorption, Furnace Technique)	Revision 0, September 1986	USEPA_OSW
7741A	Selenium (Atomic Absorption, Gaseous Hydride)	Revision 1, September 1994	USEPA_OSW
7742	Selenium (Atomic Absorption, Borohydride Reduction)	Revision 0, September 1994	USEPA_OSW
7760A	Silver (Atomic Absorption, Direct Aspiration)	Revision 1, July 1992	USEPA_OSW
7761	Silver (Atomic Absorption, Furnace Technique)	Revision 0, July 1992	USEPA_OSW
7770	Sodium (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7780	Strontium (Atomic Absorption, Direct Aspiration)	Revision 0, July 1992	USEPA_OSW
7840	Thallium (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7841	Thallium (Atomic Absorption, Furnace Technique)	Revision 0, September 1986	USEPA_OSW

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
7870	Tin (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7910	Vanadium (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7911	Vanadium (Atomic Absorption, Furnace Technique)	Revision 0, September 1986	USEPA_OSW
7950	Zinc (Atomic Absorption, Direct Aspiration)	Revision 0, September 1986	USEPA_OSW
7951	Zinc (Atomic Absorption, Furnace Technique)	Revision 0, July 1992	USEPA_OSW
8000B	Determinative Chromatographic Separations	Revision 2, December 1996	USEPA_OSW
8000C	Determinative Chromatographic Separations	Revision 3, March 2003	USEPA_OSW
8010B	Halogenated Volatile Organics by Gas Chromatography	Revision 2, September 1994	USEPA_OSW
8011	1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography	Revision 0, July 1992	USEPA_OSW
8015B	Nonhalogenated Organics Using GC/FID	Revision 2, December 1996	USEPA_OSW
8015C	Nonhalogenated Organics Using GC/FID	Revision 3, November 2000	USEPA_OSW
8015D	Nonhalogenated Organics Using GC/FID	Revision 4, June 2003	USEPA_OSW
8020A	Aromatic Volatile Organics by Gas Chromatography	Revision 1, September 1994	USEPA_OSW
8021B	Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors	Revision 2, December 1996	USEPA_OSW
8030A	Acrolein and Acrylonitrile by Gas Chromatography	Revision 1, July 1992	USEPA_OSW
8031	Acrylonitrile by Gas Chromatography	Revision 0, September 1994	USEPA_OSW
8032A	Acrylamide by Gas Chromatography	Revision 1, December 1996	USEPA_OSW
8033	Acetonitrile by Gas Chromatography With Nitrogen-Phosphorus Detection	Revision 0, December 1996	USEPA_OSW
8040A	Phenols by Gas Chromatography	Revision 1, July 1992	USEPA_OSW
8041	Phenols by Gas Chromatography	Revision 0, December 1996	USEPA_OSW
8041A	Phenols by Gas Chromatography	Revision 1, November 2000	USEPA_OSW
8060	Phthalate Esters	Revision 0, September 1986	USEPA_OSW
8061A	Phthalate Esters by Gas Chromatography With Electron Capture Detection (GC/ECD)	Revision 1, December 1996	USEPA_OSW

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
8070A	Nitrosamines by Gas Chromatography	Revision 1, December 1996	USEPA_OSW
8080A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	Revision 1, September 1994	USEPA_OSW
8081A	Organochlorine Pesticides by Gas Chromatography	Revision 1, December 1996	USEPA_OSW
8081B	Organochlorine Pesticides by Gas Chromatography	Revision 2, November 2000	USEPA_OSW
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	Revision 0, December 1996	USEPA_OSW
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	Revision 1, November 2000	USEPA_OSW
8085	Compound-Independent Elemental Quantitation of Pesticides By Gas Chromatography With Atomic Emission Detection (GC/AED)	Revision 0, November 2000	USEPA_OSW
8090	Nitroaromatics and Cyclic Ketones	Revision 0, September 1986	USEPA_OSW
8091	Nitroaromatics and Cyclic Ketones by Gas Chromatography	Revision 0, December 1996	USEPA_OSW
8095	Explosives By Gas Chromatography	Revision 0, November 2000	USEPA_OSW
8100	Polynuclear Aromatic Hydrocarbons	Revision 0, September 1986	USEPA_OSW
8110	Haloethers by Gas Chromatography	Revision 0, July 1992	USEPA_OSW
8111	Haloethers by Gas Chromatography	Revision 0, December 1996	USEPA_OSW
8120A	Chlorinated Hydrocarbons by Gas Chromatography	Revision 1, September 1994	USEPA_OSW
8121	Chlorinated Hydrocarbons by Gas Chromatography: Capillary Column Technique	Revision 0, September 1994	USEPA_OSW
8131	Aniline and Selected Derivatives by Gas Chromatography	Revision 0, December 1996	USEPA_OSW
8140	Organophosphorus Pesticides	Revision 0, September 1986	USEPA_OSW
8141A	Organophosphorus Compounds by Gas Chromatography: Capillary Column Technique	Revision 1, September 1994	USEPA_OSW
8141B	Organophosphorus Compounds by Gas Chromatography	Revision 2, November 2000	USEPA_OSW
8150B	Chlorinated Herbicides by Gas Chromatography	Revision 2, September 1994	USEPA_OSW
8151A	Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzoylation Derivatization	Revision 1, December 1996	USEPA_OSW
8240B	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Revision 2, September 1994	USEPA_OSW
8250A	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Revision 1, September 1994	USEPA_OSW
8260B	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Revision 2, December 1996	USEPA_OSW

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
8261	Volatile Organic Compounds By Vacuum Distillation in Combination With Gas Chromatography/Mass Spectrometry (VD/GC/MS)	Revision 0, November 2000	USEPA_OSW
8265	Volatile Organic Compounds in Water, Soil, Soil Gas, and Air By Direct Sampling Ion Trap Mass Spectrometry (DSITMS)	Draft Revision 0, March 2002	USEPA_OSW
8270C	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Revision 3, December 1996	USEPA_OSW
8270D	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Revision 4, January 1998	USEPA_OSW
8275A	Semivolatile Organic Compounds (PAHs and PCBs) in Soils/Sludges and Solid Wastes Using Thermal Extraction/Gas Chromatography/Mass Spectrometry (TE/GC/MS)	Revision 1, December 1996	USEPA_OSW
8280A	The Analysis of Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by High Resolution Gas Chromatography/Low Resolution Mass Spectrometry (HRGC/LRMS)	Revision 1, December 1996	USEPA_OSW
8280B	Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by High Resolution Gas Chromatography/Low Resolution Mass Spectrometry (HRGC/LRMS)	Revision 2, January 1998	USEPA_OSW
8290	Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry (HRGC/HRMS)	Revision 0, September 1994	USEPA_OSW
8290A	Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry (HRGC/HRMS)	Revision 1, January 1998	USEPA_OSW
8310	Polynuclear Aromatic Hydrocarbons	Revision 0, September 1986	USEPA_OSW
8315A	Determination of Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)	Revision 1, December 1996	USEPA_OSW
8316	Acrylamide, Acrylonitrile and Acrolein by High Performance Liquid Chromatography (HPLC)	Revision 0, September 1994	USEPA_OSW
8318	n-Methylcarbamates by High Performance Liquid Chromatography (HPLC)	Revision 0, September 1994	USEPA_OSW
8318A	n-Methylcarbamates by High Performance Liquid Chromatography (HPLC)	Revision 1, November 2000	USEPA_OSW
8321A	Solvent Extractable Nonvolatile Compounds by High Performance Liquid Chromatography/Thermospray/Mass Spectrometry (HPLC/TS/MS) or Ultraviolet (UV) Detection	Revision 1, December 1996	USEPA_OSW
8321B	Solvent-Extractable Nonvolatile Compounds by High Performance Liquid Chromatography/Thermospray/Mass Spectrometry (HPLC/TS/MS) or Ultraviolet (UV) Detection	Revision 2, November 2000	USEPA_OSW
8323	Determination of Organotins By Micro-Liquid Chromatography - Electrospray Ion Trap Mass Spectrometry	Revision 0, January 2003	USEPA_OSW

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8325	Solvent Extractable Nonvolatile Compounds by High Performance Liquid Chromatography/Particle Beam/Mass Spectrometry (HPLC/PB/MS)	Revision 0, December 1996	USEPA_OSW
8330	Nitroaromatics and Nitramines by High Performance Liquid Chromatography (HPLC)	Revision 0, September 1994	USEPA_OSW
8330A	Nitroaromatics and Nitramines by High Performance Liquid Chromatography (HPLC)	Revision 1, January 1998	USEPA_OSW
8331	Tetrazene by Reverse Phase High Performance Liquid Chromatography (HPLC)	Revision 0, September 1994	USEPA_OSW
8332	Nitroglycerine by High Performance Liquid Chromatography	Revision 0, December 1996	USEPA_OSW
8410	Gas Chromatography/Fourier Transform Infrared (GC/FT-IR) Spectrometry for Semivolatile Organics: Capillary Column	Revision 0, September 1994	USEPA_OSW
8430	Analysis of bis(2-Chloroethyl) Ether and Hydrolysis Products by Direct Aqueous Injection GC/FT-IR	Revision 0, December 1996	USEPA_OSW
8440	Total Recoverable Petroleum Hydrocarbons by Infrared Spectrophotometry	Revision 0, December 1996	USEPA_OSW
8510	Colorimetric Screening Procedure for RDX and HMX in Soil	Revision 0, November 2000	USEPA_OSW
8515	Colorimetric Screening Method for Trinitrotoluene (TNT) in Soil	Revision 0, December 1996	USEPA_OSW
8520	Continuous Measurement of Formaldehyde in Ambient Air	Revision 0, December 1996	USEPA_OSW
8535	Screening Procedure for Total Volatile Organic Halides in Water	Revision 0, November 2000	USEPA_OSW
8540	Pentachlorophenol By UV-Induced Colorimetry	Revision 0, November 2000	USEPA_OSW
9000	Determination of Water in Waste Materials by Karl Fischer Titration	Revision 0, January 1998	USEPA_OSW
9001	Determination of Water in Waste Materials by Quantitative Calcium Hydride Reaction	Revision 0, January 1998	USEPA_OSW
9010B	Total and Amenable Cyanide: Distillation	Revision 2, December 1996	USEPA_OSW
9012A	Total and Amenable Cyanide (Automated Colorimetric, With Off-Line Distillation)	Revision 1, December 1996	USEPA_OSW
9013	Cyanide Extraction Procedure for Solids and Oils	Revision 0, July 1992	USEPA_OSW
9013A	Cyanide Extraction Procedure for Solids and Oils	Revision 1, November 2004	USEPA_OSW
9014	Titrimetric and Manual Spectrophotometric Determinative Methods for Cyanide	Revision 0, December 1996	USEPA_OSW
9015	Metal Cyanide Complexes By Anion Exchange Chromatography and UV Detection	Revision 0, November 2004	USEPA_OSW
9020B	Total Organic Halides (TOX)	Revision 2, September 1994	USEPA_OSW
9021	Purgeable Organic Halides (POX)	Revision 0, July 1992	USEPA_OSW

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9022	Total Organic Halides (TOX) by Neutron Activation Analysis	Revision 0, September 1986	USEPA_OSW
9023	Extractable Organic Halides (EOX) in Solids	Revision 0, December 1996	USEPA_OSW
9030B	Acid-Soluble and Acid-Insoluble Sulfides: Distillation	Revision 2, December 1996	USEPA_OSW
9031	Extractable Sulfides	Revision 0, July 1992	USEPA_OSW
9034	Titrimetric Procedure for Acid-Soluble and Acid Insoluble Sulfides	Revision 0, December 1996	USEPA_OSW
9035	Sulfate (Colorimetric, Automated, Chloranilate)	Revision 0, September 1986	USEPA_OSW
9036	Sulfate (Colorimetric, Automated, Methylthymol Blue, AA II)	Revision 0, September 1986	USEPA_OSW
9038	Sulfate (Turbidimetric)	Revision 0, September 1986	USEPA_OSW
9040B	pH Electrometric Measurement	Revision 2, January 1995	USEPA_OSW
9041A	pH Paper Method	Revision 1, July 1992	USEPA_OSW
9045C	Soil and Waste pH	Revision 3, January 1995	USEPA_OSW
9050A	Specific Conductance	Revision 1, December 1996	USEPA_OSW
9056	Determination of Inorganic Anions by Ion Chromatography	Revision 0, September 1994	USEPA_OSW
9056A	Determination of Inorganic Anions by Ion Chromatography	Revision 1, November 2000	USEPA_OSW
9057	Determination of Chloride From HCl/Cl ₂ Emission Sampling Train (Methods 0050 and 0051) by Anion Chromatography	Revision 0, December 1996	USEPA_OSW
9058	Determination of Perchlorate Using Ion Chromatography With Chemical Suppression Conductivity Detection	Revision 0, November 2000	USEPA_OSW
9060	Total Organic Carbon	Revision 0, September 1986	USEPA_OSW
9065	Phenolics (Spectrophotometric, Manual 4-AAP With Distillation)	Revision 0, September 1986	USEPA_OSW
9066	Phenolics (Spectrophotometric, Automated 4-AAP With Distillation)	Revision 0, September 1986	USEPA_OSW
9067	Phenolics (Spectrophotometric, MBTH With Distillation)	Revision 0, September 1986	USEPA_OSW
9070	Total Recoverable Oil and Grease (Gravimetric, Separatory Funnel Extraction)	Revision 0, September 1986	USEPA_OSW
9071A	Oil and Grease Extraction Method for Sludge and Sediment Samples	Revision 1, September 1994	USEPA_OSW
9073	Petroleum Hydrocarbons, Total Recoverable	Revision 0, September 1989	USEPA_OSW

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9074	Turbidimetric Screening Method for Total Recoverable Petroleum Hydrocarbons in Soil	Revision 0, January 1998	USEPA_OSW
9075	Test Method for Total Chlorine in New and Used Petroleum Products by X-Ray Fluorescence Spectrometry (XRF)	Revision 0, September 1994	USEPA_OSW
9076	Test Methods for Total Chlorine in New and Used Petroleum Products by Oxidative Combustion and Microcoulometry	Revision 0, September 1994	USEPA_OSW
9077	Test Methods for Total Chlorine in New and Used Petroleum Products (Field Test Kit Methods)	Revision 0, September 1994	USEPA_OSW
9078	Screening Test Method for Polychlorinated Biphenyls in Soil	Revision 0, December 1996	USEPA_OSW
9079	Screening Test Method for Polychlorinated Biphenyls in Transformer Oil	Revision 0, December 1996	USEPA_OSW
9080	Cation-Exchange Capacity of Soils (Ammonium Acetate)	Revision 0, September 1986	USEPA_OSW
9081	Cation-Exchange Capacity of Soils (Sodium Acetate)	Revision 0, September 1986	USEPA_OSW
9090A	Compatibility Test for Wastes and Membrane Liners	Revision 1, July 1992	USEPA_OSW
9095A	Paint Filter Liquids Test	Revision 1, December 1996	USEPA_OSW
9096	Liquid Release Test (LRT) Procedure	Revision 0, September 1994	USEPA_OSW
9100	Saturated Hydraulic Conductivity, Saturated Leachate Conductivity, and Intrinsic Permeability	Revision 0, September 1986	USEPA_OSW
9131	Total Coliform: Multiple Tube Fermentation Technique	Revision 0, September 1986	USEPA_OSW
9132	Total Coliform: Membrane-Filter Technique	Revision 0, September 1986	USEPA_OSW
9200	Nitrate	Revision 0, September 1986	USEPA_OSW
9210	Potentiometric Determination of Nitrate in Aqueous Samples With Ion-Selective Electrode	Revision 0, December 1996	USEPA_OSW
9210A	Potentiometric Determination of Nitrate in Aqueous Samples With an Ion-Selective Electrode	Revision 1, November 2000	USEPA_OSW
9211	Potentiometric Determination of Bromide in Aqueous Samples With Ion-Selective Electrode	Revision 0, December 1996	USEPA_OSW
9212	Potentiometric Determination of Chloride in Aqueous Samples With Ion-Selective Electrode	Revision 0, December 1996	USEPA_OSW
9213	Potentiometric Determination of Cyanide in Aqueous Samples and Distillates With Ion-Selective Electrode	Revision 0, December 1996	USEPA_OSW
9214	Potentiometric Determination of Fluoride in Aqueous Samples With Ion-Selective Electrode	Revision 0, December 1996	USEPA_OSW
9215	Potentiometric Determination of Sulfide in Aqueous Samples and Distillates With Ion-Selective Electrode	Revision 0, December 1996	USEPA_OSW
9216	Potentiometric Determination of Nitrite in Aqueous Samples With Ion-Selective Electrode	Revision 0, January 1998	USEPA_OSW

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9250	Chloride (Colorimetric, Automated Ferricyanide AAI)	Revision 0, September 1986	USEPA_OSW
9251	Chloride (Colorimetric, Automated Ferricyanide AAI)	Revision 0, September 1986	USEPA_OSW
9252A	Chloride (Titrimetric, Mercuric Nitrate)	Revision 1, September 1994	USEPA_OSW
9253	Chloride (Titrimetric, Silver Nitrate)	Revision 0, September 1994	USEPA_OSW
9310	Gross Alpha and Gross Beta	Revision 0, September 1986	USEPA_OSW
9315	Alpha-Emitting Radium Isotopes	Revision 0, September 1986	USEPA_OSW
9320	Radium-228	Revision 0, September 1986	USEPA_OSW
CBC01.0	Statement of Work For Analysis of Chlorinated Biphenyl (CB) Congeners (Multi-Media, Multi-Concentration)	May 2005	USEPA_ASB
CBC01.1	Statement of Work For Analysis of Chlorinated Biphenyl (CB) Congeners (Multi-Media, Multi-Concentration)	June 2008	USEPA_ASB
CBC01.2	Statement of Work For Analysis of Chlorinated Biphenyl (CB) Congeners (Multi-Media, Multi-Concentration)	August 2008	USEPA_ASB
DLM01.4	Statement of Work For Analysis of Chlorinated Dibenzo-p-Dioxins (CDDs) and Chlorinated Dibenzofurans (CDFs) (Multi-Media, Multi-Concentration)	January 2002	USEPA_CLP
DLM02.0	Statement of Work For Analysis of Chlorinated Dibenzo-p-Dioxins (CDDs) and Chlorinated Dibenzofurans (CDFs) (Multi-Media, Multi-Concentration)	May 2005	USEPA_ASB
DLM02.1	Statement of Work For Analysis of Chlorinated Dibenzo-p-Dioxins (CDDs) and Chlorinated Dibenzofurans (CDFs) (Multi-Media, Multi-Concentration)	June 2008	USEPA_ASB
DLM02.2	Statement of Work For Analysis of Chlorinated Dibenzo-p-Dioxins (CDDs) and Chlorinated Dibenzofurans (CDFs) (Multi-Media, Multi-Concentration)	August 2008	USEPA_ASB
ILM05.2	Statement of Work For Inorganic Analysis (Multi-Media, Multi-Concentration)	December 2001	USEPA_CLP
ILM05.3	Statement of Work For Inorganic Analysis (Multi-Media, Multi-Concentration)	March 2004	USEPA_CLP
ILM05.4	Statement of Work For Inorganic Analysis (Multi-Media, Multi-Concentration)	December 2006	USEPA_CLP
ISM01.0	Statement of Work For Inorganic Superfund Methods (Multi-Media, Multi-Concentration)	October 2007	USEPA_CLP
ISM01.1	Statement of Work For Inorganic Superfund Methods (Multi-Media, Multi-Concentration)	August 2008	USEPA_CLP

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OLM04.2	Statement of Work For Organics Analysis (Multi-Media, Multi-Concentration)	May 1999	USEPA_CLP
OLC03.2	Statement of Work For Analysis of Low Concentration Organic	December 2000	USEPA_CLP
SOM01.0	Statement of Work For Organic Analysis Multi-Media, Multi-Concentration	August 2004	USEPA_CLP
SOM01.1	Statement of Work For Organic Analysis Multi-Media, Multi-Concentration	May 2005	USEPA_CLP
SOM01.2	Statement of Work For Organic Analysis Multi-Media, Multi-Concentration	October 2006	USEPA_CLP
SVOA01.1	Statement of Work For Volatile Organic Analysis In Air	June 2008	USEPA_CLP
SVOA01.2	Statement of Work For Volatile Organic Analysis In Air	August 2008	USEPA_CLP
300.1	Determination of Inorganic Anions in Drinking Water by Ion Chromatography	Revision 1.0, 1997	USEPA_OGW DW/TSC
314.0	Determination of Perchlorate in Drinking Water Using Ion Chromatography	Revision 1.0, November 1999	USEPA_OGW DW/TSC
317.0	Determination of Inorganic Oxyhalide Disinfection By-Products in Drinking Water Using Ion Chromatography with the Addition of a Postcolumn Reagent for Trace Bromate Analysis	Revision 1.0, May 2000	USEPA_OGW DW/TSC
317.0	Determination of Inorganic Oxyhalide Disinfection By-Products in Drinking Water Using Ion Chromatography with the Addition of a Postcolumn Reagent for Trace Bromate Analysis	Revision 2.0, July 2001	USEPA_OGW DW/TSC
326.0	Determination of Inorganic Oxyhalide Disinfection By-Products in Drinking Water Using Ion Chromatography with the Addition of a Suppressor Acidified Postcolumn Reagent for Trace Bromate Analysis	Revision 1.0, June 2002	USEPA_OGW DW/TSC
327.0	Determination of Chlorine Dioxide and Chlorite Ion in Drinking Water Using Lissamine Green B and Horseradish Peroxidase with Detection by Visible Spectrophotometry	Revision 1.0, July 2003	USEPA_OGW DW/TSC
331.0	Determination of Perchlorate in Drinking Water by Liquid Chromatography Electrospray Ionization Mass Spectrometry	Revision 1.0, January 2005	USEPA_OGW DW/TSC
504.1	1,2-Dibromoethane (EDB), 1,2-Dibromo-3-Chloro-Propane (DCBP), 1,2,3-Trichloropropane (123TCP) in Water by Microextraction and Gas Chromatography	Revision 1.1, 1995	USEPA_OGW DW/TSC
507	Determination of Nitrogen- and Phosphorus-Containing Pesticides in Water by Gas Chromatography with a Nitrogen-Phosphorus Detector	Revision 2.1, 1995	USEPA_OGW DW/TSC
508	Determination of Chlorinated Pesticides in Water by Gas Chromatography with an Electron Capture Detector	Revision 3.1, 1995	USEPA_OGW DW/TSC

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508.1	Determination of Chlorinated Pesticides, Herbicides, and Organohalides by Liquid-Solid Extraction and Electron Capture Gas Chromatography	Revision 2.0, 1995	USEPA_OGW DW/TSC
515.1	Determination of Chlorinated Acids in Water by Gas Chromatography with an Electron Capture Detector	Revision 4.1, 1995	USEPA_OGW DW/TSC
515.3	Determination of Chlorinated Acids in Drinking Water by Liquid-Liquid Extraction, Derivatization and Gas Chromatography with Electron Capture Detection	Revision 1.0, July 1996	USEPA_OGW DW/TSC
515.4	Determination of Chlorinated Acids in Drinking Water by Liquid-Liquid Microextraction, Derivatization, and Fast Gas Chromatography with Electron Capture Detection	Revision 1.0, April 2000	USEPA_OGW DW/TSC
526	Determination of Selected Semivolatile Organic Compounds in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)	Revision 1.0, June 2000	USEPA_OGW DW/TSC
531.1	Measurement of N-Methylcarbamoyloximes and N-Methylcarbamates in Water by Direct Aqueous Injection High Performance Liquid Chromatography with Postcolumn Derivatization	Revision 3.1, 1995	USEPA_OGW DW/TSC
531.2	Measurement of N-Methylcarbamoyloximes and N-Methylcarbamates in Water by Direct Aqueous Injection HPLC with Postcolumn Derivatization	Revision 1.0, September 2001	USEPA_OGW DW/TSC
532	Determination of Phenylurea Compounds in Drinking Water by Solid Phase Extraction and High Performance Liquid Chromatography with UV Detection	Revision 1.0, June 2000	USEPA_OGW DW/TSC
551.1	Determination of Chlorinated Disinfection Byproducts, Chlorinated Solvents, and Halogenated Pesticides/Herbicides in Drinking Water by Liquid/Liquid Extraction and Gas Chromatography with Electron Capture Detection	Revision 1.0, 1995	USEPA_OGW DW/TSC
552.2	Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-Liquid Extraction, Derivatization and Gas Chromatography with Electron Capture Detection	Revision 1.0, 1995	USEPA_OGW DW/TSC
552.3	Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-Liquid Microextraction, Derivatization, and Gas Chromatography with Electron Capture Detection	Revision 1.0, July 2003	USEPA_OGW DW/TSC
556	Determination of Carbonyl Compounds in Drinking Water by Pentafluorobenzylhydroxylamine Derivatization and Capillary Gas Chromatography with Electron Capture Detection	Revision 1.0, June 1998	USEPA_OGW DW/TSC
556.1	Determination of Carbonyl Compounds in Drinking Water by Fast Gas Chromatography	Revision 1.0, September 1999	USEPA_OGW DW/TSC
100.1	Analytical Method for Determination of Asbestos Fibers in Water	September 1983	USEPA_NERL
100.2	Determination of Asbestos Structures Over 10 um in Length in Drinking Water	June 1994	USEPA_NERL
110.1	Colorimetric, ADMI	Issued 1978	USEPA_NERL

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110.2	Color (Colorimetric-Platinum-Cobalt)	Issued 1971	USEPA_NERL
110.3	Color by Spectrophotometry	Issued 1974	USEPA_NERL
120.1	Conductance (Specific Conductance, umhos at 25oC)	Issued 1971; Editorial Revision 1982	USEPA_NERL
130.1	Hardness, Total (mg/L as Calcium Carbonate) (Colorimetric, Automated EDTA)	Issued 1971	USEPA_NERL
130.2	Hardness, Total (mg/L as Calcium Carbonate) (Titrimetric, EDTA)	Issued 1971; Editorial Revision 1978 and 1982	USEPA_NERL
150.1	pH, Electrometric Method	Issued 1971; Editorial Revision 1978 and 1982	USEPA_NERL
150.2	pH, Continuous Monitoring (Electrometric)	December 1982	USEPA_NERL
160.1	Residue, Filterable (Gravimetric, Dried at 180oC)	Issued 1971	USEPA_NERL
160.2	Residue, Non-Filterable (Gravimetric, Dried at 103- 105oC)	Issued 1971	USEPA_NERL
160.3	Residue, Total (Gravimetric, Dried at 103-105oC)	Issued 1971	USEPA_NERL
160.4	Residue, Volatile (Gravimetric, Ignition at 550oC)	Issued 1971	USEPA_NERL
160.5	Settleable Matter (Volumetric, Imhoff Cone)	Issued 1974	USEPA_NERL
170.1	Temperature (Thermometric)	Issued 1974	USEPA_NERL
180.1	Turbidity (Nephelometric)	Revision 2.0, August 1993	USEPA_NERL
200.10	Determination of Trace Elements in Marine Waters by On-Line Chelation Preconcentration and Inductively Coupled Plasma – Mass Spectrometry	Revision 1.6, September 1997	USEPA_NERL
200.12	Determination of Trace Elements in Marine Waters by Stabilized Temperature Graphite Furnace Atomic Absorption	Revision 1.0, September 1997	USEPA_NERL
200.13	Determination of Trace Elements in Marine Waters by OffiLine Chelation Preconcentration With Graphite Furnace Atomic Absorption	Revision 1.0, September 1997	USEPA_NERL
200.5	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma – Atomic Emission Spectrometry	Revision 4.2, October 2003	USEPA_NERL
200.7	Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma – Atomic Emission Spectroscopy	Revision 4.4, 1994	USEPA_NERL
200.8	Determination of Trace Elements in Waters by Inductively Coupled Plasma – Mass Spectrometry	Revision 5.4, 1994	USEPA_NERL
200.8	Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma – Mass Spectrometry	Revision 5.5, 1999	USEPA_NERL
200.9	Determination of Trace Elements by Stabilized Temperature Graphite Furnace Atomic Absorption	Revision 2.2, 1994	USEPA_NERL
202.1	Aluminum (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974 and 1978	USEPA_NERL
202.2	Aluminum (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL

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204.1	Antimony (Atomic Absorption, Direct Aspiration)	Issued 1974; Editorial Revision 1978	USEPA_NERL
204.2	Antimony (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
206.2	Arsenic (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
206.3	Arsenic (Atomic Absorption – Gaseous Hydride)	Issued 1974	USEPA_NERL
206.4	Arsenic (Spectrophotometric – SDDC)	Issued 1971; Editorial Revision 1974	USEPA_NERL
206.5	Arsenic (Sample Digestion Prior to Total Arsenic Analysis by Silver Diethylthiocarbamate or Hydride Procedures)	Issued 1978	USEPA_NERL
208.1	Barium (Atomic Absorption, Direct Aspiration)	Issued 1974	USEPA_NERL
208.2	Barium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
210.1	Beryllium (Atomic Absorption, Direct Aspiration)	Issued 1974	USEPA_NERL
210.2	Beryllium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
212.3	Boron (Colorimetric, Curcumin)	Issued 1974	USEPA_NERL
213.1	Cadmium (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974	USEPA_NERL
213.2	Cadmium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
215.1	Calcium (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974	USEPA_NERL
215.2	Calcium (Titrimetric, EDTA)	Issued 1974; Editorial Revision 1978	USEPA_NERL
218.1	Chromium (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974 and 1978	USEPA_NERL
218.2	Chromium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
218.3	Chromium (Atomic Absorption, Chelation - Extraction)	Issued 1978	USEPA_NERL
218.4	Chromium Hexavalent (AA, Chelation Extraction)	Issued 1978	USEPA_NERL
219.1	Cobalt (Atomic Absorption, Direct Aspiration)	Issued 1974; Editorial Revision 1978	USEPA_NERL
219.2	Cobalt (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
220.1	Copper (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974 and 1978	USEPA_NERL
220.2	Copper (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
231.1	Gold (Atomic Absorption, Direct Aspiration)	Issued 1976; Technical Revision 1978	USEPA_NERL
231.2	Gold (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
235.1	Iridium (Atomic Absorption, Direct Aspiration)	Issued 1976; Technical Revision 1978	USEPA_NERL

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235.2	Iridium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
236.1	Iron (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974 and 1978	USEPA_NERL
236.2	Iron (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
239.1	Lead (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974 and 1978	USEPA_NERL
239.2	Lead (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
242.1	Magnesium (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974 and 1978	USEPA_NERL
243.1	Manganese (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974 and 1978	USEPA_NERL
243.2	Manganese (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
245.1	Mercury (Manual Cold Vapor Technique)	Revision 3.0, 1994	USEPA_NERL
245.2	Mercury (Automated Cold Vapor Technique)	Issued 1974	USEPA_NERL
246.1	Molybdenum (Atomic Absorption, Direct Aspiration)	Issued 1974; Editorial Revision 1978	USEPA_NERL
246.2	Molybdenum (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
249.1	Nickel (Atomic Absorption, Direct Aspiration)	Issued 1974; Editorial Revision 1978	USEPA_NERL
249.2	Nickel (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
252.1	Osmium (Atomic Absorption, Direct Aspiration)	Issued 1976; Technical Revision 1978	USEPA_NERL
252.2	Osmium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
253.1	Palladium (Atomic Absorption, Direct Aspiration)	Issued 1976; Technical Revision 1978	USEPA_NERL
253.2	Palladium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
255.1	Platinum (Atomic Absorption, Direct Aspiration)	Issued 1976; Technical Revision 1978	USEPA_NERL
255.2	Platinum (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
258.1	Potassium (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974	USEPA_NERL
265.1	Rhodium (Atomic Absorption, Direct Aspiration)	Issued 1976; Technical Revision 1978	USEPA_NERL
265.2	Rhodium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
267.1	Ruthenium (Atomic Absorption, Direct Aspiration)	Issued 1976; Technical Revision 1978	USEPA_NERL

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267.2	Ruthenium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
270.2	Selenium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
272.1	Silver (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974; Technical Revision 1978	USEPA_NERL
272.2	Silver (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
273.1	Sodium (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974	USEPA_NERL
279.1	Thallium (Atomic Absorption, Direct Aspiration)	Issued 1974; Technical Revision 1978	USEPA_NERL
279.2	Thallium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
282.1	Tin (Atomic Absorption, Direct Aspiration)	Issued 1974; Editorial Revision 1978	USEPA_NERL
282.2	Tin (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
283.1	Titanium (Atomic Absorption, Direct Aspiration)	Issued 1974	USEPA_NERL
283.2	Titanium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
286.1	Vanadium (Atomic Absorption, Direct Aspiration)	Issued 1974	USEPA_NERL
286.2	Vanadium (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
289.1	Zinc (Atomic Absorption, Direct Aspiration)	Issued 1971; Editorial Revision 1974	USEPA_NERL
289.2	Zinc (Atomic Absorption, Furnace Technique)	Issued 1978	USEPA_NERL
300.0	Determination of Inorganic Anions by Ion Chromatography	Revision 2.1, August 1993	USEPA_NERL
305.1	Acidity (Titrimetric)	Issued 1971; Technical Revision 1974	USEPA_NERL
310.1	Alkalinity (Titrimetric, pH 4.5)	Issued 1971; Editorial Revision 1978	USEPA_NERL
310.2	Alkalinity (Colorimetric, Automated, Methyl Orange)	Issued 1971; Editorial Revision 1974	USEPA_NERL
320.1	Bromide (Titrimetric)	Issued 1974	USEPA_NERL
321.8	Determination of Bromate in Drinking Waters by Ion Chromatography Inductively Coupled Plasma – Mass Spectrometry	Revision 1.0, December 1997	USEPA_NERL
325.1	Chloride (Colorimetric, Automated Ferricyanide AI)	Issued 1971	USEPA_NERL
325.2	Chloride (Colorimetric, Automated Ferricyanide AII)	Issued 1978	USEPA_NERL
325.3	Chloride (Titrimetric, Mercuric Nitrate)	Issued 1971; Editorial Revision 1978 and 1982	USEPA_NERL
330.1	Chlorine, Total Residual (Titrimetric, Amperometric)	Issued 1974; Editorial Revision 1978	USEPA_NERL

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
330.2	Chlorine, Total Residual (Titrimetric, Back, Iodometric (Starch or Amperometric))	Issued 1978	USEPA_NERL
330.3	Chlorine, Total Residual (Titrimetric, Iodometric)	Issued 1978	USEPA_NERL
330.4	Chlorine, Total Residual (Titrimetric, DPD-FAS)	Issued 1978	USEPA_NERL
330.5	Chlorine, Total Residual (Spectrophotometric, DPD)	Issued 1978	USEPA_NERL
335.1	Cyanides, Amenable to Chlorination (Titrimetric; Spectrophotometric)	Issued 1974	USEPA_NERL
335.2	Cyanide, Total (Titrimetric; Spectrophotometric)	Issued 1974; Editorial Revision 1974 and 1978; Technical Revision 1980	USEPA_NERL
335.3	Cyanide, Total (Colorimetric, Automated UV)	Issued 1978	USEPA_NERL
335.4	Determination of Total Cyanide by Semi-Automated Colorimetry	Revision 1.0, August 1993	USEPA_NERL
340.1	Fluoride, Total (Colorimetric, SPADNS with Bellack Distillation)	Issued 1971; Editorial Revision 1974 and 1978	USEPA_NERL
340.2	Fluoride (Potentiometric, Ion Selective Electrode)	Issued 1971; Editorial Revision 1974	USEPA_NERL
340.3	Fluoride (Colorimetric, Automated Compexone)	Issued 1971	USEPA_NERL
349.0	Determination of Ammonia in Estuarine and Coastal Waters by Gas Segmented Continuous Flow Colorimetric Analysis	Revision 1.0, September 1997	USEPA_NERL
350.1	Nitrogen, Ammonia (Colorimetric, Automated Phenate)	Revision 2.0, August 1993	USEPA_NERL
350.2 (Nesslerization)	Nitrogen, Ammonia (Colorimetric; Titrimetric; Potentiometric - Distillation Procedure)	Editorial Revision 1974	USEPA_NERL
350.2 (Titration)	Nitrogen, Ammonia (Colorimetric; Titrimetric; Potentiometric - Distillation Procedure)	Editorial Revision 1974	USEPA_NERL
350.3	Nitrogen, Ammonia (Potentiometric, Ion Selective Electrode)	Issued 1974	USEPA_NERL
351.1	Nitrogen, Kjeldahl Total (Colorimetric, Automated Phenate)	Issued 1971, Editorial Revision 1974 and 1978	USEPA_NERL
351.2	Nitrogen, Kjeldahl Total (Colorimetric, Semi-Automated Block Digestor, AAll)	Issued 1978	USEPA_NERL
351.3 (Electrode)	Nitrogen, Kjeldahl Total (Colorimetric; Titrimetric; Potentiometric)	Editorial Revision 1974, 1978	USEPA_NERL
351.3 (Nesslerization)	Nitrogen, Kjeldahl Total (Colorimetric; Titrimetric; Potentiometric)	Editorial Revision 1974, 1978	USEPA_NERL
351.3 (Titration)	Nitrogen, Kjeldahl Total (Colorimetric; Titrimetric; Potentiometric)	Editorial Revision 1974, 1978	USEPA_NERL
351.4	Nitrogen, Kjeldahl Total (Potentiometric, Ion Selective Electrode)	Issued 1978	USEPA_NERL
352.1	Nitrogen, Nitrate (Colorimetric, Brucine)	Issued 1971	USEPA_NERL

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
353.1	Nitrogen, Nitrate-Nitrite (Colorimetric, Automated Hydrazine Reduction)	Issued 1971; Reissued With Revision 1978	USEPA_NERL
353.2	Nitrogen, Nitrate-Nitrite (Colorimetric, Automated Cadmium Reduction)	Revision 2.0, August 1993	USEPA_NERL
353.3	Nitrogen, Nitrate-Nitrite (Spectrophotometric, Cadmium Reduction)	Issued 1974	USEPA_NERL
353.4	Determination of Nitrate and Nitrite in Estaurine and Coastal Waters by Gas Segmented Continuous Flow Segmented Analysis	Revision 2.0, September 1997	USEPA_NERL
354.1	Nitrogen, Nitrite (Spectrophotometric)	Issued 1971	USEPA_NERL
360.1	Oxygen, Dissolved (Membrane Electrode)	Issued 1971	USEPA_NERL
360.2	Oxygen, Dissolved (Modified Winkler, Full-Bottle Technique)	Issued 1971	USEPA_NERL
365.1	Phosphorus, All Forms (Colorimetric, Automated, Ascorbic Acid)	Revision 2.0, August 1993	USEPA_NERL
365.2	Phosphorus, All Forms (Colorimetric, Ascorbic Acid, Single Reagent)	Issued 1971	USEPA_NERL
365.3	Phosphorus, All Forms (Colorimetric, Ascorbic Acid, Two Reagent)	Issued 1978	USEPA_NERL
365.4	Phosphorus, Total (Colorimetric, Automated, Block Digestor AAll)	Issued 1974	USEPA_NERL
365.5	Determination of Orthophosphate in Estaurine and Coastal Waters by Automated Colorimetric Analysis	Revision 1.4, September 1997	USEPA_NERL
366.0	Determination of Dissolved Silicate in Estaurine and Coastal Waters by Gas Segmented Continuous Flow Colorimetric Analysis	Version 1.0, September 1997	USEPA_NERL
370.1	Silica, Dissolved (Colorimetric)	Issued 1971; Editorial Revision 1978	USEPA_NERL
375.1	Sulfate (Colorimetric, Automated, Chloranilate)	Issued 1971	USEPA_NERL
375.2	Sulfate (Colorimetric, Automated, Methylthymol Blue, AAll)	Revision 2.0, August 1993	USEPA_NERL
375.3	Sulfate (Gravimetric)	Issued 1974; Editorial Revision 1978	USEPA_NERL
375.4	Sulfate (Turbidimetric)	Issued 1971; Editorial Revision 1978	USEPA_NERL
376.1	Sulfide (Titrimetric, Iodine)	Issued 1971; Editorial Revision 1978	USEPA_NERL
376.2	Sulfide (Colorimetric, Methylene Blue)	Issued 1978	USEPA_NERL
377.1	Sulfite (Titrimetric)	Issued 1974; Editorial Revision 1978	USEPA_NERL
405.1	Biochemical Oxygen Demand (5 days, 20oC)	Issued 1971; Editorial Revision 1974	USEPA_NERL

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
410.1	Chemical Oxygen Demand (Titrimetric, Mid-Level)	Issued 1971; Editorial Revision 1978	USEPA_NERL
410.2	Chemical Oxygen Demand (Titrimetric Low Level)	Issued 1971; Editorial Revision 1974 and 1978	USEPA_NERL
410.3	Chemical Oxygen Demand (Titrimetric, High Level for Saline Waters)	Issued 1971; Editorial Revision 1978	USEPA_NERL
410.4	Chemical Oxygen Demand (Colorimetric; Automated; Manual)	Issued 1978	USEPA_NERL
413.1	Oil and Grease (Gravimetric, Separatory Funnel Extraction)	Editorial Revision 1978	USEPA_NERL
415.1	Organic Carbon, Total (Combustion or Oxidation)	Issued 1971; Editorial Revision 1974	USEPA_NERL
415.3	Determination of Total Organic Carbon and Specific UV Absorbance at 254 nm in Source Water and Drinking Water	Revision 1.0, June 2003	USEPA_NERL
420.1	Phenolics, Total Recoverable (Spectrophotometric, Manual 4-AAP with Distillation)	Issued 1971; Editorial Revision 1978	USEPA_NERL
420.2	Phenolics, Total Recoverable (Colorimetric, Automated 4-AAP with Distillation)	Issued 1974	USEPA_NERL
425.1	Methylene Blue Active Substances (MBAS) (Colorimetric)	Issued 1971	USEPA_NERL
440.0	Determination of Carbon and Nitrogen in Sediments and Particulates of Estuarine/Coastal Waters Using Elemental Analysis	Revision 1.4, September 1997	USEPA_NERL
445.0	In Vitro Determination of Chlorophyll a and Pheophytin a in Marine and Freshwater Algae by Fluorescence	Revision 1.2, September 1997	USEPA_NERL
446.0	In Vitro Determination of Chlorophylls a, b, c1 + c2 and Pheopigments in Marine and Freshwater Algae by Visible Spectrophotometry	Revision 1.2, September 1997	USEPA_NERL
447.0	Determination of Chlorophylls a and b and Identification of Other Pigments of Interest in Marine and Freshwater Algae Using High Performance Liquid Chromatography With Visible Wavelength Detection	Version 1.0, September 1997	USEPA_NERL
502.2 (by ELCD)	Volatile Organic Compounds in Water by Purge and Trap Capillary Column Gas Chromatography with Photoionization and Electrolytic Conductivity Detectors in Series	Revision 2.1, 1995	USEPA_NERL
502.2 (by PID)	Volatile Organic Compounds in Water by Purge and Trap Capillary Column Gas Chromatography with Photoionization and Electrolytic Conductivity Detectors in Series	Revision 2.1, 1995	USEPA_NERL

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
505	Analysis of Organochlorine Pesticides and Commercial Polychlorinated Biphenyl (PCB) Products in Water by Microextraction and Gas Chromatography	Revision 2.1, 1995	USEPA_NERL
506	Determination of Phthalate and Adipate Esters in Drinking Water by Liquid-Liquid Extraction or Liquid Solid Extraction and Gas Chromatography with Photoionization Detection	Revision 1.1, 1995	USEPA_NERL
507	Determination of Nitrogen- and Phosphorus-Containing Pesticides in Water by Gas Chromatography with a Nitrogen-Phosphorus Detector	Revision 2.1, 1995	USEPA_NERL
508	Determination of Chlorinated Pesticides in Water by Gas Chromatography with an Electron Capture Detector	Revision 3.1, 1995	USEPA_NERL
508A	Screening for Polychlorinated Biphenyls by Perchlorination and Gas Chromatography	Revision 1.0, 1989	USEPA_NERL
515.1	Determination of Chlorinated Acids in Water by Gas Chromatography with an Electron Capture Detector	Revision 4.1, 1995	USEPA_NERL
515.2	Determination of Chlorinated Acids in Water Using Liquid-Solid Extraction and Gas Chromatography with Electron Capture Detector	Revision 1.1, 1995	USEPA_NERL
521	Determination of Nitrosamines in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography With Large Volume Injection and Chemical Ionization Tandem Mass Spectrometry (MS/MS)	Revision 1.0, September 2004	USEPA_NERL
524.2	Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry	Revision 4.1, 1995	USEPA_NERL
525.2	Determination of Organic Compounds in Drinking Water by Liquid-Solid Extraction and Capillary Column Gas Chromatography/Mass Spectrometry	Revision 2.0, 1995	USEPA_NERL
528	Determination of Phenols in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)	Revision 1.0, April 2000	USEPA_NERL
531.1	Measurement of N-Methylcarbamoyloximes and N-Methylcarbamates in Water by Direct Aqueous Injection High Performance Liquid Chromatography with Post Column Derivitization	Revision 3.1, 1995	USEPA_NERL
535	Measurement of Chloroacetanilide and Other Acetamide Herbicide Degradates in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)	Revision 1.0, September 2004	USEPA_NERL
547	Determination of Glyphosate in Drinking Water by Direct-Aqueous-Injection HPLC, Post Column Derivitization, and Fluorescence Detection	July 1990	USEPA_NERL
548.1 (by FID)	Determination of Endothall in Drinking Water by Ion-Exchange Extraction, Acidic Methanol Methylation, and Gas Chromatography/Mass Spectrometry	Revision 1.0, August 1992	USEPA_NERL

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
548.1 (by MS)	Determination of Endothall in Drinking Water by Ion-Exchange Extraction, Acidic Methanol Methylation, and Gas Chromatography/Mass Spectrometry	Revision 1.0, August 1992	USEPA_NERL
549.2	Determination of Diquat and Paraquat in Drinking Water by Liquid-Solid Extraction and High Performance Liquid Chromatography With Ultraviolet Detection	Revision 1.0, June 1997	USEPA_NERL
550	Determination of Polycyclic Aromatic Hydrocarbons in Drinking Water by Liquid-Liquid Extraction and HPLC with Coupled Ultraviolet and Fluorescence Detection	July 1990	USEPA_NERL
550.1	Determination of Polycyclic Aromatic Hydrocarbons in Drinking Water by Liquid-Solid Extraction and HPLC with Coupled Ultraviolet and Fluorescence Detection	July 1990	USEPA_NERL
552.1	Determination of Haloacetic Acids and Dalapon in Drinking Water by Ion-Exchange Liquid-Solid Extraction and Gas Chromatography with an Electron Capture Detector	Revision 1.0, August 1992	USEPA_NERL
555	Determination of Chlorinated Acids in Water by High Performance Liquid Chromatography , with a Photodiode Array Ultraviolet Detector	Revision 1.0, August 1992	USEPA_NERL
556	Determination of Carbonyl Compounds in Drinking Water by Pentafluorobenzylhydroxylamine Derivatization and Capillary Gas Chromatography with Electron Capture Detection	Revision 1.0, June 1998	USEPA_NERL
TO-1	Method for the Determination of Volatile Organic Compounds in Ambient Air Using TENAX Adsorption and Gas Chromatography/Mass Spectrometry (GC/MS)	Revision 1.0, April 1984	USEPA_AMTIC
TO-2	Method for the Determination of Volatile Organic Compounds in Ambient Air by Carbon Molecular Sieve Adsorption and Gas Chromatography/Mass Spectrometry (GC/MS)	Revision 1.0, April 1984	USEPA_AMTIC
TO-3	Method for the Determination of Volatile Organic Compounds in Ambient Air by Using Cryogenic Preconcentration Techniques and Gas Chromatography With Flame Ionization and Electron Capture Detection	Revision 1.0, April 1984	USEPA_AMTIC
TO-4A	Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using High Volume Polyurethane Foam (PUF) Sampling Followed by Gas Chromatographic/Multi-Detector Detection (GC/MD)	Second Edition, January 1999	USEPA_AMTIC
TO-5	Method for the Determination of Aldehydes and Ketones in Ambient Air Using High Performance Liquid Chromatography (HPLC)	Revision 1.0, April 1984	USEPA_AMTIC
TO-6	Method for the Determination of Phosgene in Ambient Air Using High Performance Liquid Chromatography	Revision 1.0, September 1986	USEPA_AMTIC

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
TO-7	Method for the Determination of N-Nitrosodimethylamine in Ambient Air Using Gas Chromatography	Revision 1.0, September 1986	USEPA_AMTIC
TO-8	Method for the Determination of Phenol and Methylphenols (Cresols) in Ambient Air Using High Performance Liquid Chromatography	Revision 1.0, September 1986	USEPA_AMTIC
TO-9A	Determination of Polychlorinated, Polybrominated and Brominated/Chlorinated Dibenzo-p-Dioxins and Dibenzofurans in Ambient Air	Second Edition, January 1999	USEPA_AMTIC
TO-10A	Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using Low Volume Polyurethane Foam (PUF) Sampling Followed by Gas Chromatographic/Multi-Detector Detection (GC/MD)	Second Edition, January 1999	USEPA_AMTIC
TO-11A	Determination of Formaldehyde in Ambient Air Using Adsorbent Cartridge Followed by High Performance Chromatographic (HPLC) [Active Sampling Methodology]	Second Edition, January 1999	USEPA_AMTIC
TO-12	Method for the Determination of Non-Methane Organic Compounds (NMOC) in Ambient Air Using Cryogenic Preconcentration and Direct Flame Ionization Detection (PDFID)		USEPA_AMTIC
TO-13A	Determination of Polycyclic Aromatic Hydrocarbons (PAHS) in Ambient Air Using and Gas Chromatography/Mass Spectrometry (GC/MS)	Second Edition, January 1999	USEPA_AMTIC
TO-14A	Determination of Volatile Organic Compounds (VOCS) in Ambient Air Using Specially Prepared Canisters With Subsequent Analysis by Gas Chromatography	Second Edition, January 1999	USEPA_AMTIC
TO-15	Determination of Volatile Organic Compounds (VOCS) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)	Second Edition, January 1999	USEPA_AMTIC
TO-16	Long-Path Open-Path Fourier Transform Infrared Monitoring of Atmospheric Gases	Second Edition, January 1999	USEPA_AMTIC
TO-17	Determination of Volatile Organic Compounds in Ambient Air Using Active Sampling Onto Sorbent Tubes	Second Edition, January 1999	USEPA_AMTIC
IO-1.1	Determination of PM10 in Ambient Air Using the Andersen Continuous Beta Attenuation Monitor	June 1999	USEPA_AMTIC
IO-1.2	Determination of PM10 in Ambient Air Using the Thermo Environmental Instruments (Formerly Wedding and Associates) Continuous Beta Attenuation Monitor	June 1999	USEPA_AMTIC
IO-1.3	Determination of PM10 in Ambient Air Using a Continuous Rupprecht and Patashnick (R&P) TEOM Particle Monitor	June 1999	USEPA_AMTIC
IO-2.1	Sampling of Ambient Air for Total Suspended Particulate Matter (SPM) and PM10 Using High Volume (HV) Sampler	June 1999	USEPA_AMTIC

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
IO-2.2	Sampling of Ambient Air for PM10 Using an Andersen Dichotomous Sampler	June 1999	USEPA_AMTIC
IO-2.3	Sampling of Ambient Air for PM10 Concentration Using the Rupprecht and Patashnick (R&P) Low Volume Partisol Sampler	June 1999	USEPA_AMTIC
IO-2.4	Calculations for Standard Volume	June 1999	USEPA_AMTIC
IO-3.1	Selection, Preparation and Extraction of Filter Material	June 1999	USEPA_AMTIC
IO-3.2	Determination of Metals in Ambient Particulate Matter Using Atomic Absorption (AA) Spectroscopy	June 1999	USEPA_AMTIC
IO-3.3	Determination of Metals in Ambient Particulate Matter Using X-ray Fluorescence (XRF) Spectroscopy	June 1999	USEPA_AMTIC
IO-3.4	Determination of Metals in Ambient Particulate Matter Using Inductively Coupled Plasma (ICP) Spectroscopy	June 1999	USEPA_AMTIC
IO-3.5	Determination of Metals in Ambient Particulate Matter Using Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)	June 1999	USEPA_AMTIC
IO-3.6	Determination of Metals in Ambient Particulate Matter Using Proton Induced X-ray Emission (PIXE) Spectroscopy	June 1999	USEPA_AMTIC
IO-3.7	Determination of Metals in Ambient Particulate Matter Using Neutron Activation Analysis (NAA) Gamma Spectrometry	June 1999	USEPA_AMTIC
IO-4.1	Determination of the Strong Acidity of Atmospheric Fine-Particles (<2.5 um)	June 1999	USEPA_AMTIC
IO-4.2	Determination of Reactive Acidic and Basic Gases and Strong Acidity of Atmospheric Fine-Particles (<2.5 um)	June 1999	USEPA_AMTIC
IO-5	Sampling and Analysis for Vapor and Particle Phase Mercury in Ambient Air Utilizing Cold Vapor Atomic Fluorescence Spectrometry (CVAFS)	June 1999	USEPA_AMTIC
12	Determination of Inorganic Lead Emissions from Stationary Sources	July 1999	USEPA_CARB
13A	Determination of Total Fluoride Emissions from Stationary Sources (SPADNS Zirconium Lake Method)	July 1999	USEPA_CARB
13B	Determination of Total Fluoride Emissions from Stationary Sources (Specific Ion Electrode Method)	July 1999	USEPA_CARB
101	Determination of Particulate and Gaseous Mercury Emissions from Chlor-Alkali Plants - Air Streams	March 1986	USEPA_CARB
101A	Determination of Particulate and Gaseous Mercury Emissions from Sewage Sludge Incinerators	March 1986	USEPA_CARB
104	Determination of Beryllium Emissions from Stationary Sources	March 1986	USEPA_CARB
106	Determination of Vinyl Chloride Emissions from Stationary Sources	June 1983	USEPA_CARB
401	Determination of the Weight Percent of Volatile Organic Compounds in Waste Products (Gravimetric Purge and Trap)	March 1986	USEPA_CARB

MethodID Valid Values	MethodName Valid Values	MethodVersion Valid Values	MethodSource Valid Values
410A	Determination of Benzene from Stationary Sources (Low Concentration Gas Chromatographic Technique)	March 1986	USEPA_CARB
410B	Determination of Benzene from Stationary Sources (High Concentration Gas Chromatographic Technique)	March 1986	USEPA_CARB
421	Determination of Gaseous Chloride and Fluoride in Emissions from Stationary Sources	December 1991	USEPA_CARB
422	Determination of Volatile Organic Compounds in Emissions from Stationary Sources	December 1991	USEPA_CARB
423	Determination of Particulate and Gaseous Inorganic Arsenic Emissions from Stationary Sources	January 1987	USEPA_CARB
424	Determination of Inorganic Cadmium Emissions from Stationary Sources	January 1987	USEPA_CARB
425	Determination of Total Chromium and Hexavalent Chromium Emissions from Stationary Sources	July 1997	USEPA_CARB
426	Determination of Cyanide Emissions from Stationary Sources	January 1987	USEPA_CARB
427	Determination of Asbestos Emissions from Stationary Sources	March 1998	USEPA_CARB
428	Determination of Polychlorinated Dibenzo-p-Dioxin (PCDD), Polychlorinated Dibenzofuran (PCDF), and Polychlorinated Biphenyl (PCB) Emissions from Stationary Sources	September 1990	USEPA_CARB
429	Determination of Polycyclic Aromatic Hydrocarbon (PAH) Emissions from Stationary Sources	July 1997	USEPA_CARB
430	Determination of Formaldehyde and Acetaldehyde in Emissions from Stationary Sources	December 1991	USEPA_CARB
431	Determination of Ethylene Oxide Emissions from Stationary Sources	November 1998	USEPA_CARB
432	Determination of Dichloromethane and 1,1,1-Trichloroethane in Paints and Coatings	September 1989	USEPA_CARB
433	Determination of Total Nickel Emissions from Stationary Sources	September 1989	USEPA_CARB
434	Determination of Chlorine in Unheated Air	September 1990	USEPA_CARB
435	Determination of Asbestos Content of Serpentine Aggregate	June 1991	USEPA_CARB
436	Determination of Multiple Metals Emissions from Stationary Sources	July 1997	USEPA_CARB
D1945	Standard Test Method for Analysis of Natural Gas by Gas Chromatography	Revision:03, May 2003	ASTM
D1946	Standard Practice for Analysis of Reformed Gas by Gas Chromatography	Revision:90, 2006	ASTM
D5504	Standard Test Method for the Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels for Gas Chromatography and Chemiluminescence	Revision:01, 2006	ASTM

MethodLevel

Valid Values

Trace
Low
Medium
High

MethodName

The valid values for this data element are linked to the valid values for other data elements. See the MethodID entry for valid values.

MethodSource

The valid values for this data element are linked to the valid values for other data elements. See the MethodID entry for valid values.

Notes

USEPA_NERL = USEPA National Exposure Research Laboratory
NOAA_NST = National Oceanic and Atmospheric Administration National Status and Trends Program
USEPA_EAD = USEPA Engineering and Analysis Division
USEPA_OGWDW/TSC = USEPA Office of Ground Water and Drinking Water/Technical Support Center
USDOE_EML = USDOE Environmental Measurements Laboratory
NIOSH = The National Institute for Occupational Safety and Health
USEPA_OSW = USEPA Office of Solid Waste (SW-846)
USEPA_CLP = USEPA Contract Laboratory Program
AOAC = AOAC International
USDOE_RESL = USDOE Radiological and Environmental Services Laboratory
ASTM = American Standard Testing and Materials International
USGS = USGS Branch of Information Services
USDOE_NAMP = USDOE National Analytical Management Program
USEPA_AMTIC = USEPA Ambient Monitoring Technology Information Center
USEPA_CARB = USEPA California Air Resources Board

MethodType

Valid Values	Notes
GC	GC = Gas Chromatography
GC/MS	GC/MS = Gas Chromatography with Mass Spectrometry Detector
HRGC/HRMS	HRGC/HRMS = High Resolution Gas Chromatography/High Resolution Mass Spectrometry
LC	LC = Liquid Chromatography
LC/MS	LC/MS = Liquid Chromatography with Mass Spectrometry Detector
LC/MS/MS	LC/MS/MS = Liquid Chromatography with Mass Spectrometry/Mass Spectrometry Detector
IC	IC = Ion Chromatography
IC/MS	IC/MS = Ion Chromatography with Mass Spectrometry Detector
ICP/AES	ICP/AES = Inductively Coupled Plasma / Atomic Emission Spectroscopy
ICP/MS	ICP/MS = Inductively Coupled Plasma with Mass Spectrometry Detector
CVAA	CVAA = Cold Vapor Atomic Absorption
CVAF	CVAF = Cold Vapor Atomic Fluorescence
GFAA	GFAA = Graphite Furnace Atomic Absorption
COLOR	COLOR = Colorimetry
Spectrophotometry	Spectrophotometry
ISE	ISE = Ion Selective Electrode

MethodVersion

The valid values for this data element are linked to the valid values for other data elements. See the MethodID entry for valid values.

PeakRatioLimitType

Valid Values

Client
Laboratory
Method
Vendor

PercentBreakdownLimitType

Valid Values

Client
Laboratory
Method
Vendor

PercentDifferenceLimitType

Valid Values

Client
Laboratory
Method
Vendor

PercentRatioLimitType

Valid Values

Client
Laboratory
Method
Vendor

PercentRecoveryLimitType

Valid Values

Client
Laboratory
Method
Vendor

PercentRecoveryType

Valid Values

Not_Calculable

PercentRSDLimitType

Valid Values

Client
Laboratory
Method
Vendor

PhaseAnalyzed

Valid Values

Upper
Middle
Lower

PreparationPlusCleanupType

Valid Values

Preparation
Cleanup

PreparationUncertaintyIntervalType

Valid Values

Symmetric_Interval
Other_Interval

Notes

This interval is centered on the Result value.
This interval includes the Result value.

PreparationUncertaintyType

Valid Values

Category A
Category B

Notes

The estimate of the PreparationUncertainty is directly determined using a statistically-based method.
The estimate of the PreparationUncertainty is directly determined using some other method.

PreparationUncertaintyUnits

Valid Values

pg
pg/uL
pg/mL
pg/L
pg/mg
pg/g
pg/kg
pg/cm²
pg/cm³
pg/m²
pg/m³
ng

Notes

pg = picograms
pg/uL = picograms per microliter
pg/mL = picograms per milliliter
pg/L = picograms per liter
pg/mg = picograms per milligram
pg/g = picograms per gram
pg/kg = picograms per kilogram
pg/cm² = picograms per square centimeter
pg/cm³ = picograms per cubic centimeter
pg/m² = picograms per square meter
pg/m³ = picograms per cubic meter
ng = nanograms

Valid Values	Notes
ng/uL	ng/uL = nanograms per microliter
ng/mL	ng/mL = nanograms per milliliter
ng/L	ng/L = nanograms per liter
ng/mg	ng/mg = nanograms per milligram
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/cm ²	ng/cm ² = nanograms per square centimeter
ng/cm ³	ng/cm ³ = nanograms per cubic centimeter
ng/m ²	ng/m ² = nanograms per square meter
ng/m ³	ng/m ³ = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm ²	ug/cm ² = micrograms per square centimeter
ug/cm ³	ug/cm ³ = micrograms per cubic centimeter
ug/m ²	ug/m ² = micrograms per square meter
ug/m ³	ug/m ³ = micrograms per cubic meter
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm ²	mg/cm ² = milligrams per square centimeter
mg/cm ³	mg/cm ³ = milligrams per cubic centimeter
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ = milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoliters per milliliter
pL/L	pL/L = picoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
nL/L	nL/L = nanoliters per liter
uL/mL	uL/mL = microliters per milliliter

Valid Values	Notes
uL/L	uL/L = microliters per liter
mL/L	mL/L = milliliters per liter
pBq	pBq = picobecquerels
pBq/uL	pBq/uL = picobecquerels per microliter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/L	pBq/L = picobecquerels per liter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/cm ²	pBq/cm ² = picobequerels per square centimeter
pBq/cm ³	pBq/cm ³ = picobequerels per cubic centimeter
pBq/m ²	pBq/m ² = picobequerels per square meter
pBq/m ³	pBq/m ³ = picobequerels per cubic meter
nBq	nBq = nanobecquerels
nBq/uL	nBq/uL = nanobecquerels per microliter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/L	nBq/L = nanobecquerels per liter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/cm ²	nBq/cm ² = nanobequerels per square centimeter
nBq/cm ³	nBq/cm ³ = nanobequerels per cubic centimeter
nBq/m ²	nBq/m ² = nanobequerels per square meter
nBq/m ³	nBq/m ³ = nanobequerels per cubic meter
uBq	uBq = microbecquerels
uBq/uL	uBq/uL = microbecquerels per microliter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/L	uBq/L = microbecquerels per liter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/cm ²	uBq/cm ² = microbequerels per square centimeter
uBq/cm ³	uBq/cm ³ = microbequerels per cubic centimeter
uBq/m ²	uBq/m ² = microbequerels per square meter
uBq/m ³	uBq/m ³ = microbequerels per cubic meter
mBq	mBq = millibecquerels
mBq/uL	mBq/uL = millibecquerels per microliter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/L	mBq/L = millibecquerels per liter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/cm ²	mBq/cm ² = millibequerels per square centimeter
mBq/cm ³	mBq/cm ³ = millibequerels per cubic centimeter

Valid Values	Notes
mBq/m ²	mBq/m ² = millibequerels per square meter
mBq/m ³	mBq/m ³ = millibequerels per cubic meter
Bq	Bq = becquerels
Bq/uL	Bq/uL = becquerels per microliter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/L	Bq/L = becquerels per liter
Bq/mg	Bq/mg = becquerels per milligram
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/cm ²	Bq/cm ² = bequerels per square centimeter
Bq/cm ³	Bq/cm ³ = bequerels per cubic centimeter
Bq/m ²	Bq/m ² = bequerels per square meter
Bq/m ³	Bq/m ³ = bequerels per cubic meter
uSv	uSv = microSieverts
uSv/s	uSv/s = microSieverts per second
uSv/min	uSv/min = microSieverts per minute
uSv/h	uSv/h = microSieverts per hour
uSv/d	uSv/d = microSieverts per day
mSv	mSv = milliSieverts
mSv/s	mSv/s = milliSieverts per second
mSv/min	mSv/min = milliSieverts per minute
mSv/h	mSv/h = milliSieverts per hour
mSv/d	mSv/d = milliSieverts per day
Sv	Sv = Sieverts
Sv/s	Sv/s = Sieverts per second
Sv/min	Sv/min = Sieverts per minute
Sv/h	Sv/h = Sieverts per hour
Sv/d	Sv/d = Sieverts per day
uGy	uGy = microGrays
uGy/s	uGy/s = microGrays per second
uGy/min	uGy/min = microGrays per minute
uGy/h	uGy/h = microGrays per hour
uGy/d	uGy/d = microGrays per day
mGy	mGy = milliGrays
mGy/s	mGy/s = milliGrays per second
mGy/min	mGy/min = milliGrays per minute
mGy/h	mGy/h = milliGrays per hour
mGy/d	mGy/d = milliGrays per day
Gy	Gy = Grays
Gy/s	Gy/s = Grays per second
Gy/min	Gr/min = Grays per minute
Gy/h	Gr/h = Grays per hour
Gy/d	Gr/d = Grays per day

QC Category

Valid Values

Blank
Blank_Spike
Blank_Spike_Duplicate
Duplicate
Serial_Dilution
Spike
Spike_Duplicate

QC Linkage

Valid Values

SamplingBatch
EquipmentBatch
ShippingBatch
LabReportingBatch
MethodBatch
HandlingBatch
PreparationBatch
AnalysisBatch
CleanupBatch
StorageBatch
RunBatch

QC Type

Valid Values

Notes

Baseline
Cleanup_Blank
Continuing_Calibration
Continuing_Calibration_Blank
Continuing_Calibration_Verification
Detection_Limit_Check_Standard
Duplicate
Field_Blank
Field_Sample
Florisil_Cartridge_Check
GPC_Calibration_Check
Initial_Calibration
Initial_Calibration_Blank
Initial_Calibration_Verification

Valid Values	Notes
Instrument_Blank	
Instrument_Performance_Check_PEM	
Instrument_Performance_Check_Resolution	
Instrument_Performance_Check_Tune	
Interanalyte_Correction_Factor	
Interference_Check_Standard_A	
Interference_Check_Standard_A/B	
Laboratory_Control_Sample	
Laboratory_Control_Sample_Duplicate	
Laboratory_Fortified_Blank	
Laboratory_Fortified_Blank_Duplicate	
Linear_Range_Verification	
Matrix_Spike	
Matrix_Spike_Duplicate	
Method_Blank	
Method_Instrument_Blank	For USEPA_CLP program only.
Non-Client_Sample	
Post_Digestion_Spike	
PT_Sample	
Quantitation_Limit_Check_Standard	
Reslope	
Serial_Dilution	
Standard_Reference_Material	
Storage_Blank	

QuantitationBasis

Valid Values

External_Standard
Internal_Standard

QuantitationLimitType

Valid Values

Notes

CRQL	CRQL = Contract Required Quantitation Limit
CRQL_sa	CRQL_sa = Sample adjusted CRQL. This is the CRQL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
ML	ML = Minimum Level of Quantitation as defined by the US Environmental Protection Agency (USEPA) in Section 17.8 of EPA Method 1631 Revision B (as promulgated on June 8, 1999 (64 FR 30417)).
ML_sa	ML_sa = Sample adjusted ML. This is the ML adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).

Valid Values	Notes
MRL	MRL = Minimum Reporting Level as defined by the US Environmental Protection Agency (USEPA) is used for EPA's Safe Drinking Water Act and actual procedures to determine the MRL will be published in the Federal Register in the future.
MRL_sa	MRL_sa = Sample adjusted MRL. This is the MRL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
LCMRL	LCMRL = Lowest Concentration Minimum Reporting Level is similar to the MRL.
LCMRL_sa	LCMRL_sa = Sample adjusted LCMRL. This is the LCMRL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
LOQ	LOQ = Limit of Quantitation as defined by the American Chemical Society (ACS) and is roughly equivalent to the ML in numerical terms.
LOQ_sa	LOQ_sa = Sample adjusted LOQ. This is the LOQ adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
Lq	Lq = Quantitation Limit as defined by the International Union of Pure and Applied Chemistry (IUPAC).
Lq_sa	Lq_sa = Sample adjusted Lq. This is the Lq adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
PQL	PQL = Practical Quantitation Limit as defined by the US Environmental Protection Agency (USEPA) in 52FR 25690, July 8, 1987. This is an older term and is no longer being supported by EPA since no definitive procedure was published to determine its value.
PQL_sa	PQL_sa = Sample adjusted PQL. This is the PQL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
EQL	EQL = Estimated Quantitation Limit as defined by the US Environmental Protection Agency (USEPA) is an older term used in Chapter 1 of SW-846 and is related to the MDL but no definitive procedure was published to determine its value. The EQL often is represented by the lowest non-zero standard in the calibration curve.
EQL_sa	EQL_sa = Sample adjusted EQL. This is the EQL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
Low_Standard	The concentration of the lowest calibration standard used to establish the initial calibration curve.

QuantitationLimitUnits

Valid Values	Notes
pg	pg = picograms
pg/uL	pg/uL = picograms per microliter
pg/mL	pg/mL = picograms per milliliter
pg/L	pg/L = picograms per liter
pg/mg	pg/mg = picograms per milligram
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/cm ²	pg/cm ² = picograms per square centimeter
pg/cm ³	pg/cm ³ = picograms per cubic centimeter
pg/m ²	pg/m ² = picograms per square meter
pg/m ³	pg/m ³ = picograms per cubic meter
ng	ng = nanograms
ng/uL	ng/uL = nanograms per microliter
ng/mL	ng/mL = nanograms per milliliter
ng/L	ng/L = nanograms per liter
ng/mg	ng/mg = nanograms per milligram
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/cm ²	ng/cm ² = nanograms per square centimeter
ng/cm ³	ng/cm ³ = nanograms per cubic centimeter
ng/m ²	ng/m ² = nanograms per square meter
ng/m ³	ng/m ³ = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm ²	ug/cm ² = micrograms per square centimeter
ug/cm ³	ug/cm ³ = micrograms per cubic centimeter
ug/m ²	ug/m ² = micrograms per square meter
ug/m ³	ug/m ³ = micrograms per cubic meter
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm ²	mg/cm ² = milligrams per square centimeter

Valid Values	Notes
mg/cm ³	mg/cm ³ = milligrams per cubic centimeter
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ – milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoliters per milliliter
pL/L	pL/L = picoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
nL/L	nL/L = nanoliters per liter
uL/mL	uL/mL = microliters per milliliter
uL/L	uL/L = microliters per liter
mL/L	mL/L = milliliters per liter
pBq	pBq = picobecquerels
pBq/uL	pBq/uL = picobecquerels per microliter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/L	pBq/L = picobecquerels per liter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/cm ²	pBq/cm ² = picobequerels per square centimeter
pBq/cm ³	pBq/cm ³ = picobequerels per cubic centimeter
pBq/m ²	pBq/m ² = picobequerels per square meter
pBq/m ³	pBq/m ³ = picobequerels per cubic meter
nBq	nBq = nanobecquerels
nBq/uL	nBq/uL = nanobecquerels per microliter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/L	nBq/L = nanobecquerels per liter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/cm ²	nBq/cm ² = nanobequerels per square centimeter
nBq/cm ³	nBq/cm ³ = nanobequerels per cubic centimeter
nBq/m ²	nBq/m ² = nanobequerels per square meter
nBq/m ³	nBq/m ³ = nanobequerels per cubic meter
uBq	uBq = microbecquerels
uBq/uL	uBq/uL = microbecquerels per microliter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/L	uBq/L = microbecquerels per liter
uBq/mg	uBq/mg = microbecquerels per milligram

Valid Values	Notes
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/cm ²	uBq/cm ² = microbecquerels per square centimeter
uBq/cm ³	uBq/cm ³ = microbecquerels per cubic centimeter
uBq/m ²	uBq/m ² = microbecquerels per square meter
uBq/m ³	uBq/m ³ = microbecquerels per cubic meter
mBq	mBq = millibecquerels
mBq/uL	mBq/uL = millibecquerels per microliter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/L	mBq/L = millibecquerels per liter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/cm ²	mBq/cm ² = millibecquerels per square centimeter
mBq/cm ³	mBq/cm ³ = millibecquerels per cubic centimeter
mBq/m ²	mBq/m ² = millibecquerels per square meter
mBq/m ³	mBq/m ³ = millibecquerels per cubic meter
Bq	Bq = becquerels
Bq/uL	Bq/uL = becquerels per microliter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/L	Bq/L = becquerels per liter
Bq/mg	Bq/mg = becquerels per milligram
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/cm ²	Bq/cm ² = becquerels per square centimeter
Bq/cm ³	Bq/cm ³ = becquerels per cubic centimeter
Bq/m ²	Bq/m ² = becquerels per square meter
Bq/m ³	Bq/m ³ = becquerels per cubic meter
uSv	uSv = microSieverts
uSv/s	uSv/s = microSieverts per second
uSv/min	uSv/min = microSieverts per minute
uSv/h	uSv/h = microSieverts per hour
uSv/d	uSv/d = microSieverts per day
mSv	mSv = milliSieverts
mSv/s	mSv/s = milliSieverts per second
mSv/min	mSv/min = milliSieverts per minute
mSv/h	mSv/h = milliSieverts per hour
mSv/d	mSv/d = milliSieverts per day
Sv	Sv = Sieverts
Sv/s	Sv/s = Sieverts per second
Sv/min	Sv/min = Sieverts per minute
Sv/h	Sv/h = Sieverts per hour
Sv/d	Sv/d = Sieverts per day
uGy	uGy = microGrays

Valid Values	Notes
uGy/s	uGy/s = microGrays per second
uGy/min	uGy/min = microGrays per minute
uGy/h	uGy/h = microGrays per hour
uGy/d	uGy/d = microGrays per day
mGy	mGy = milliGrays
mGy/s	mGy/s = milliGrays per second
mGy/min	mGy/min = milliGrays per minute
mGy/h	mGy/h = milliGrays per hour
mGy/d	mGy/d = milliGrays per day
Gy	Gy = Grays
Gy/s	Gy/s = Grays per second
Gy/min	Gr/min = Grays per minute
Gy/h	Gr/h = Grays per hour
Gy/d	Gr/d = Grays per day

Quarantine

Valid Values

Yes
No

ReportingLimitType

Valid Values

Valid Values	Notes
CRRL	CRRL = Contract Required Reporting Limit
CRRL_sa	CRRL_sa = Sample adjusted CRRL. This is the CRRL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
MDL	MDL = Method Detection Limit as defined the US Environmental Protection Agency (USEPA) in 40 CFR part 136, Appendix B (49 FR 43234 dated October 26, 1984)
MDL_sa	MDL_sa = Sample adjusted MDL. This is the MDL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
IDL	IDL = Instrument Detection Limit as defined by the US Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) in ILM04.1
LOD	LOD = Limit of Detection as defined by the American Chemical Society (ACS) and is roughly equivalent to the MDL in numerical terms and conceptually equivalent to Currie's critical value.
LOD_sa	LOD_sa = Sample adjusted LOD. This is the LOD adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
Ld	Ld = Detection Limit as defined by the International Union of Pure and Applied Chemistry (IUPAC) in conjunction with Currie.
Ld_sa	Ld_sa = Sample adjusted Ld. This is the Ld adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).

Valid Values	Notes
ML	ML = Minimum Level of Quantitation as defined by the US Environmental Protection Agency (USEPA) in Section 17.8 of EPA Method 1631 Revision B (as promulgated on June 8, 1999 (64 FR 30417)).
ML_sa	ML_sa = Sample adjusted ML. This is the ML adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
MRL	MRL = Minimum Reporting Level as defined by the US Environmental Protection Agency (USEPA) is used for EPA's Safe Drinking Water Act and actual procedures to determine the MRL will be published in the Federal Register in the future.
MRL_sa	MRL_sa = Sample adjusted MRL. This is the MRL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
Lc	Lc = Critical Value as defined by the International Union of Pure and Applied Chemistry (IUPAC) in conjunction with Currie.
Lc_sa	Lc_sa = Sample adjusted Lc. This is the Lc adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
LCMRL	LCMRL = Lowest Concentration Minimum Reporting Level is similar to the MRL.
LCMRL_sa	LCMRL_sa = Sample adjusted LCMRL. This is the LCMRL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
LOQ	LOQ = Limit of Quantitation as defined by the American Chemical Society (ACS) and is roughly equivalent to the ML in numerical terms.
LOQ_sa	LOQ_sa = Sample adjusted LOQ. This is the LOQ adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
Lq	Lq = Quantitation Limit as defined by the International Union of Pure and Applied Chemistry (IUPAC).
Lq_sa	Lq_sa = Sample adjusted Lq. This is the Lq adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
PQL	PQL = Practical Quantitation Limit as defined by the US Environmental Protection Agency (USEPA) in 52FR 25690, July 8, 1987. This is an older term and is no longer being supported by EPA since no definitive procedure was published to determine its value.
PQL_sa	PQL_sa = Sample adjusted PQL. This is the PQL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
EQL	EQL = Estimated Quantitation Limit as defined by the US Environmental Protection Agency (USEPA) is an older term used in Chapter 1 of SW-846 and is related to the MDL but no definitive procedure was published to determine its value. The EQL often is represented by the lowest non-zero standard in the calibration curve.
EQL_sa	EQL_sa = Sample adjusted EQL. This is the EQL adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).
Low_Standard	The concentration of the lowest calibration standard used to establish the initial calibration curve.

ReportingLimitUnits

Valid Values	Notes
pg	pg = picograms
pg/uL	pg/uL = picograms per microliter
pg/mL	pg/mL = picograms per milliliter
pg/L	pg/L = picograms per liter
pg/mg	pg/mg = picograms per milligram
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/cm ²	pg/cm ² = picograms per square centimeter
pg/cm ³	pg/cm ³ = picograms per cubic centimeter
pg/m ²	pg/m ² = picograms per square meter
pg/m ³	pg/m ³ = picograms per cubic meter
ng	ng = nanograms
ng/uL	ng/uL = nanograms per microliter
ng/mL	ng/mL = nanograms per milliliter
ng/L	ng/L = nanograms per liter
ng/mg	ng/mg = nanograms per milligram
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/cm ²	ng/cm ² = nanograms per square centimeter
ng/cm ³	ng/cm ³ = nanograms per cubic centimeter
ng/m ²	ng/m ² = nanograms per square meter
ng/m ³	ng/m ³ = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm ²	ug/cm ² = micrograms per square centimeter
ug/cm ³	ug/cm ³ = micrograms per cubic centimeter
ug/m ²	ug/m ² = micrograms per square meter
ug/m ³	ug/m ³ = micrograms per cubic meter
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm ²	mg/cm ² = milligrams per square centimeter

Valid Values	Notes
mg/cm ³	mg/cm ³ = milligrams per cubic centimeter
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ – milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoliters per milliliter
pL/L	pL/L = picoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
nL/L	nL/L = nanoliters per liter
uL/mL	uL/mL = microliters per milliliter
uL/L	uL/L = microliters per liter
mL/L	mL/L = milliliters per liter
pBq	pBq = picobecquerels
pBq/uL	pBq/uL = picobecquerels per microliter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/L	pBq/L = picobecquerels per liter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/cm ²	pBq/cm ² = picobequerels per square centimeter
pBq/cm ³	pBq/cm ³ = picobequerels per cubic centimeter
pBq/m ²	pBq/m ² = picobequerels per square meter
pBq/m ³	pBq/m ³ = picobequerels per cubic meter
nBq	nBq = nanobecquerels
nBq/uL	nBq/uL = nanobecquerels per microliter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/L	nBq/L = nanobecquerels per liter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/cm ²	nBq/cm ² = nanobequerels per square centimeter
nBq/cm ³	nBq/cm ³ = nanobequerels per cubic centimeter
nBq/m ²	nBq/m ² = nanobequerels per square meter
nBq/m ³	nBq/m ³ = nanobequerels per cubic meter
uBq	uBq = microbecquerels
uBq/uL	uBq/uL = microbecquerels per microliter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/L	uBq/L = microbecquerels per liter
uBq/mg	uBq/mg = microbecquerels per milligram

Valid Values	Notes
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/cm ²	uBq/cm ² = microbecquerels per square centimeter
uBq/cm ³	uBq/cm ³ = microbecquerels per cubic centimeter
uBq/m ²	uBq/m ² = microbecquerels per square meter
uBq/m ³	uBq/m ³ = microbecquerels per cubic meter
mBq	mBq = millibecquerels
mBq/uL	mBq/uL = millibecquerels per microliter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/L	mBq/L = millibecquerels per liter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/cm ²	mBq/cm ² = millibecquerels per square centimeter
mBq/cm ³	mBq/cm ³ = millibecquerels per cubic centimeter
mBq/m ²	mBq/m ² = millibecquerels per square meter
mBq/m ³	mBq/m ³ = millibecquerels per cubic meter
Bq	Bq = becquerels
Bq/uL	Bq/uL = becquerels per microliter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/L	Bq/L = becquerels per liter
Bq/mg	Bq/mg = becquerels per milligram
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/cm ²	Bq/cm ² = becquerels per square centimeter
Bq/cm ³	Bq/cm ³ = becquerels per cubic centimeter
Bq/m ²	Bq/m ² = becquerels per square meter
Bq/m ³	Bq/m ³ = becquerels per cubic meter
uSv	uSv = microSieverts
uSv/s	uSv/s = microSieverts per second
uSv/min	uSv/min = microSieverts per minute
uSv/h	uSv/h = microSieverts per hour
uSv/d	uSv/d = microSieverts per day
mSv	mSv = milliSieverts
mSv/s	mSv/s = milliSieverts per second
mSv/min	mSv/min = milliSieverts per minute
mSv/h	mSv/h = milliSieverts per hour
mSv/d	mSv/d = milliSieverts per day
Sv	Sv = Sieverts
Sv/s	Sv/s = Sieverts per second
Sv/min	Sv/min = Sieverts per minute
Sv/h	Sv/h = Sieverts per hour
Sv/d	Sv/d = Sieverts per day
uGy	uGy = microGrays

Valid Values	Notes
uGy/s	uGy/s = microGrays per second
uGy/min	uGy/min = microGrays per minute
uGy/h	uGy/h = microGrays per hour
uGy/d	uGy/d = microGrays per day
mGy	mGy = milliGrays
mGy/s	mGy/s = milliGrays per second
mGy/min	mGy/min = milliGrays per minute
mGy/h	mGy/h = milliGrays per hour
mGy/d	mGy/d = milliGrays per day
Gy	Gy = Grays
Gy/s	Gy/s = Grays per second
Gy/min	Gr/min = Grays per minute
Gy/h	Gr/h = Grays per hour
Gy/d	Gr/d = Grays per day

ResolutionLimitType

Valid Values

- Client
- Laboratory
- Method
- Vendor

ResolutionLimitType

Valid Values

- Peak Width at 5% Peak Height
- Peak Width at 10% Peak Height

ResolutionUnits

Valid Values

- u
- Percent

Notes

u = Unified atomic mass units

ResponseLimitType

Valid Values

Client
Laboratory
Method
Vendor

ResponseType

Valid Values

Corrected
Corrected:Bkg;Blk;IEC;IS

Not_Corrected

Notes

Corrected
This addresses what specific corrections were made to the response. This can include corrections for the Background (Bkg), Calibration Blank (Blk), Interfering Analyte(s) (IEC), and/or Internal Standard(s) (IS). Any combination of these correction terms can be used, with each correction type separated by a ';'.
Not Corrected

ResponseUnits

Valid Values

Peak_Height
Peak_Area
Abundance
Absorbance
uAbsorbance
Counts
Pulse_Counting_ICPS
Analog_ICPS

Notes

Pulse_Counting_ICPS = Pulse Counting Intensity Counts Per Second
Analog_ICPS = Analog Intensity Counts Per Second

ResultBasis

Valid Values

Dry
Wet

Total

Dissolved

Notes

The solid result is being reported on a 'Dry'-weight basis, corrected for moisture.
The solid result is being reported on a 'Wet'-weight basis, uncorrected for moisture.
The aqueous result is being reported on a 'Total' basis, and was analyzed as collected.
The aqueous result is being reported on a 'Dissolved' basis, and was analyzed after it was filtered.

ResultLimitType

Valid Values

Client
Laboratory
Method
Vendor

ResultType

Valid Values

=
>
<
Not_Detected
Pass
Fail
Positive
Negative
Present
Absent
Not_Required

Notes

The analyte has been detected and its concentration is equal to the value reported.
The analyte has been detected and its concentration is greater than the value reported. This character must be declared as > in the actual XML file.
The analyte has been detected and its concentration is less than the value reported. This character must be declared as < in the actual XML file.

ResultUncertaintyIntervalType

Valid Values

Symmetric_Interval
Other_Interval

Notes

This interval is centered on the Result.
This interval includes the Result.

ResultUncertaintyType

Valid Values

Category A
Category B

Notes

The estimate of the ResultUncertainty is directly determined using a statistically-based method.
The estimate of the ResultUncertainty is directly determined using some other method.

ResultUncertaintyUnits

Valid Values	Notes
pg	pg = picograms
pg/uL	pg/uL = picograms per microliter
pg/mL	pg/mL = picograms per milliliter
pg/L	pg/L = picograms per liter
pg/mg	pg/mg = picograms per milligram
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/cm ²	pg/cm ² = picograms per square centimeter
pg/cm ³	pg/cm ³ = picograms per cubic centimeter
pg/m ²	pg/m ² = picograms per square meter
pg/m ³	pg/m ³ = picograms per cubic meter
ng	ng = nanograms
ng/uL	ng/uL = nanograms per microliter
ng/mL	ng/mL = nanograms per milliliter
ng/L	ng/L = nanograms per liter
ng/mg	ng/mg = nanograms per milligram
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/cm ²	ng/cm ² = nanograms per square centimeter
ng/cm ³	ng/cm ³ = nanograms per cubic centimeter
ng/m ²	ng/m ² = nanograms per square meter
ng/m ³	ng/m ³ = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm ²	ug/cm ² = micrograms per square centimeter
ug/cm ³	ug/cm ³ = micrograms per cubic centimeter
ug/m ²	ug/m ² = micrograms per square meter
ug/m ³	ug/m ³ = micrograms per cubic meter
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm ²	mg/cm ² = milligrams per square centimeter

Valid Values	Notes
mg/cm ³	mg/cm ³ = milligrams per cubic centimeter
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ - milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoliters per milliliter
pL/L	pL/L = picoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
nL/L	nL/L = nanoliters per liter
uL/mL	uL/mL = microliters per milliliter
uL/L	uL/L = microliters per liter
mL/L	mL/L = milliliters per liter
pBq	pBq = picobecquerels
pBq/uL	pBq/uL = picobecquerels per microliter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/L	pBq/L = picobecquerels per liter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/cm ²	pBq/cm ² = picobequerels per square centimeter
pBq/cm ³	pBq/cm ³ = picobequerels per cubic centimeter
pBq/m ²	pBq/m ² = picobequerels per square meter
pBq/m ³	pBq/m ³ = picobequerels per cubic meter
nBq	nBq = nanobecquerels
nBq/uL	nBq/uL = nanobecquerels per microliter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/L	nBq/L = nanobecquerels per liter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/cm ²	nBq/cm ² = nanobequerels per square centimeter
nBq/cm ³	nBq/cm ³ = nanobequerels per cubic centimeter
nBq/m ²	nBq/m ² = nanobequerels per square meter
nBq/m ³	nBq/m ³ = nanobequerels per cubic meter
uBq	uBq = microbecquerels
uBq/uL	uBq/uL = microbecquerels per microliter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/L	uBq/L = microbecquerels per liter
uBq/mg	uBq/mg = microbecquerels per milligram

Valid Values	Notes
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/cm ²	uBq/cm ² = microbecquerels per square centimeter
uBq/cm ³	uBq/cm ³ = microbecquerels per cubic centimeter
uBq/m ²	uBq/m ² = microbecquerels per square meter
uBq/m ³	uBq/m ³ = microbecquerels per cubic meter
mBq	mBq = millibecquerels
mBq/uL	mBq/uL = millibecquerels per microliter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/L	mBq/L = millibecquerels per liter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/cm ²	mBq/cm ² = millibecquerels per square centimeter
mBq/cm ³	mBq/cm ³ = millibecquerels per cubic centimeter
mBq/m ²	mBq/m ² = millibecquerels per square meter
mBq/m ³	mBq/m ³ = millibecquerels per cubic meter
Bq	Bq = becquerels
Bq/uL	Bq/uL = becquerels per microliter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/L	Bq/L = becquerels per liter
Bq/mg	Bq/mg = becquerels per milligram
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/cm ²	Bq/cm ² = becquerels per square centimeter
Bq/cm ³	Bq/cm ³ = becquerels per cubic centimeter
Bq/m ²	Bq/m ² = becquerels per square meter
Bq/m ³	Bq/m ³ = becquerels per cubic meter
uSv	uSv = microSieverts
uSv/s	uSv/s = microSieverts per second
uSv/min	uSv/min = microSieverts per minute
uSv/h	uSv/h = microSieverts per hour
uSv/d	uSv/d = microSieverts per day
mSv	mSv = milliSieverts
mSv/s	mSv/s = milliSieverts per second
mSv/min	mSv/min = milliSieverts per minute
mSv/h	mSv/h = milliSieverts per hour
mSv/d	mSv/d = milliSieverts per day
Sv	Sv = Sieverts
Sv/s	Sv/s = Sieverts per second
Sv/min	Sv/min = Sieverts per minute
Sv/h	Sv/h = Sieverts per hour
Sv/d	Sv/d = Sieverts per day
uGy	uGy = microGrays

Valid Values	Notes
uGy/s	uGy/s = microGrays per second
uGy/min	uGy/min = microGrays per minute
uGy/h	uGy/h = microGrays per hour
uGy/d	uGy/d = microGrays per day
mGy	mGy = milliGrays
mGy/s	mGy/s = milliGrays per second
mGy/min	mGy/min = milliGrays per minute
mGy/h	mGy/h = milliGrays per hour
mGy/d	mGy/d = milliGrays per day
Gy	Gy = Grays
Gy/s	Gy/s = Grays per second
Gy/min	Gr/min = Grays per minute
Gy/h	Gr/h = Grays per hour
Gy/d	Gr/d = Grays per day

ResultUnits

Valid Values	Notes
pg	pg = picograms
pg/uL	pg/uL = picograms per microliter
pg/mL	pg/mL = picograms per milliliter
pg/L	pg/L = picograms per liter
pg/mg	pg/mg = picograms per milligram
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/cm ²	pg/cm ² = picograms per square centimeter
pg/cm ³	pg/cm ³ = picograms per cubic centimeter
pg/m ²	pg/m ² = picograms per square meter
pg/m ³	pg/m ³ = picograms per cubic meter
ng	ng = nanograms
ng/uL	ng/uL = nanograms per microliter
ng/mL	ng/mL = nanograms per milliliter
ng/L	ng/L = nanograms per liter
ng/mg	ng/mg = nanograms per milligram
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/cm ²	ng/cm ² = nanograms per square centimeter
ng/cm ³	ng/cm ³ = nanograms per cubic centimeter
ng/m ²	ng/m ² = nanograms per square meter
ng/m ³	ng/m ³ = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter

Valid Values	Notes
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm ²	ug/cm ² = micrograms per square centimeter
ug/cm ³	ug/cm ³ = micrograms per cubic centimeter
ug/m ²	ug/m ² = micrograms per square meter
ug/m ³	ug/m ³ = micrograms per cubic meter
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm ²	mg/cm ² = milligrams per square centimeter
mg/cm ³	mg/cm ³ = milligrams per cubic centimeter
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ = milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoliters per milliliter
pL/L	pL/L = picoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
nL/L	nL/L = nanoliters per liter
uL/mL	uL/mL = microliters per milliliter
uL/L	uL/L = microliters per liter
mL/L	mL/L = milliliters per liter
pBq	pBq = picobecquerels
pBq/uL	pBq/uL = picobecquerels per microliter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/L	pBq/L = picobecquerels per liter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/cm ²	pBq/cm ² = picobecquerels per square centimeter
pBq/cm ³	pBq/cm ³ = picobecquerels per cubic centimeter
pBq/m ²	pBq/m ² = picobecquerels per square meter
pBq/m ³	pBq/m ³ = picobecquerels per cubic meter
nBq	nBq = nanobecquerels

Valid Values	Notes
nBq/uL	nBq/uL = nanobecquerels per microliter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/L	nBq/L = nanobecquerels per liter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/cm ²	nBq/cm ² = nanobecquerels per square centimeter
nBq/cm ³	nBq/cm ³ = nanobecquerels per cubic centimeter
nBq/m ²	nBq/m ² = nanobecquerels per square meter
nBq/m ³	nBq/m ³ = nanobecquerels per cubic meter
uBq	uBq = microbecquerels
uBq/uL	uBq/uL = microbecquerels per microliter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/L	uBq/L = microbecquerels per liter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/cm ²	uBq/cm ² = microbecquerels per square centimeter
uBq/cm ³	uBq/cm ³ = microbecquerels per cubic centimeter
uBq/m ²	uBq/m ² = microbecquerels per square meter
uBq/m ³	uBq/m ³ = microbecquerels per cubic meter
mBq	mBq = millibecquerels
mBq/uL	mBq/uL = millibecquerels per microliter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/L	mBq/L = millibecquerels per liter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/cm ²	mBq/cm ² = millibecquerels per square centimeter
mBq/cm ³	mBq/cm ³ = millibecquerels per cubic centimeter
mBq/m ²	mBq/m ² = millibecquerels per square meter
mBq/m ³	mBq/m ³ = millibecquerels per cubic meter
Bq	Bq = becquerels
Bq/uL	Bq/uL = becquerels per microliter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/L	Bq/L = becquerels per liter
Bq/mg	Bq/mg = becquerels per milligram
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/cm ²	Bq/cm ² = becquerels per square centimeter
Bq/cm ³	Bq/cm ³ = becquerels per cubic centimeter
Bq/m ²	Bq/m ² = becquerels per square meter
Bq/m ³	Bq/m ³ = becquerels per cubic meter
uSv	uSv = microSieverts

Valid Values	Notes
uSv/s	uSv/s = microSieverts per second
uSv/min	uSv/min = microSieverts per minute
uSv/h	uSv/h = microSieverts per hour
uSv/d	uSv/d = microSieverts per day
mSv	mSv = milliSieverts
mSv/s	mSv/s = milliSieverts per second
mSv/min	mSv/min = milliSieverts per minute
mSv/h	mSv/h = milliSieverts per hour
mSv/d	mSv/d = milliSieverts per day
Sv	Sv = Sieverts
Sv/s	Sv/s = Sieverts per second
Sv/min	Sv/min = Sieverts per minute
Sv/h	Sv/h = Sieverts per hour
Sv/d	Sv/d = Sieverts per day
uGy	uGy = microGrays
uGy/s	uGy/s = microGrays per second
uGy/min	uGy/min = microGrays per minute
uGy/h	uGy/h = microGrays per hour
uGy/d	uGy/d = microGrays per day
mGy	mGy = milliGrays
mGy/s	mGy/s = milliGrays per second
mGy/min	mGy/min = milliGrays per minute
mGy/h	mGy/h = milliGrays per hour
mGy/d	mGy/d = milliGrays per day
Gy	Gy = Grays
Gy/s	Gy/s = Grays per second
Gy/min	Gr/min = Grays per minute
Gy/h	Gr/h = Grays per hour
Gy/d	Gr/d = Grays per day

RetentionTimeLimitType

Valid Values

Client
Laboratory
Method
Vendor

RetentionTimeUnits

Valid Values	Notes
us	us = microseconds
ms	ms = milliseconds
s	s = seconds
min	min = minutes
h	h = hours
d	d = days

RPDLimitType

Valid Values
Client
Laboratory
Method
Vendor

RPDType

Valid Values
Not_Calculable

RRFLimitType

Valid Values
Client
Laboratory
Method
Vendor

SampleAmountUnits

Valid Values	Notes
uL	uL = microliters
mL	mL = milliliters
L	L = liters
cm ²	cm ² = square centimeters
cm ³	cm ³ = cubic centimeters
m ²	m ² = square meters
m ³	m ³ = cubic meters
pg	pg = picograms
ng	ng = nanograms
ug	ug = micrograms
mg	mg = milligrams
g	g = grams
kg	kg = kilograms

StandardConcentrationUnits

Valid Values	Notes
pg	pg = picograms
pg/uL	pg/uL = picograms per microliter
pg/mL	pg/mL = picograms per milliliter
pg/L	pg/L = picograms per liter
pg/mg	pg/mg = picograms per milligram
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/cm ²	pg/cm ² = picograms per square centimeter
pg/cm ³	pg/cm ³ = picograms per cubic centimeter
pg/m ²	pg/m ² = picograms per square meter
pg/m ³	pg/m ³ = picograms per cubic meter
ng	ng = nanograms
ng/uL	ng/uL = nanograms per microliter
ng/mL	ng/mL = nanograms per milliliter
ng/L	ng/L = nanograms per liter
ng/mg	ng/mg = nanograms per milligram
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/cm ²	ng/cm ² = nanograms per square centimeter
ng/cm ³	ng/cm ³ = nanograms per cubic centimeter
ng/m ²	ng/m ² = nanograms per square meter
ng/m ³	ng/m ³ = nanograms per cubic meter
ug	ug = micrograms
ug/uL	ug/uL = micrograms per microliter

Valid Values	Notes
ug/mL	ug/mL = micrograms per milliliter
ug/L	ug/L = micrograms per liter
ug/mg	ug/mg = micrograms per milligram
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/cm ²	ug/cm ² = micrograms per square centimeter
ug/cm ³	ug/cm ³ = micrograms per cubic centimeter
ug/m ²	ug/m ² = micrograms per square meter
ug/m ³	ug/m ³ = micrograms per cubic meter
mg	mg = milligram
mg/uL	mg/uL = milligrams per microliter
mg/mL	mg/mL = milligrams per milliliter
mg/L	mg/L = milligrams per liter
mg/mg	mg/mg = milligrams per milligram
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/cm ²	mg/cm ² = milligrams per square centimeter
mg/cm ³	mg/cm ³ = milligrams per cubic centimeter
mg/m ²	mg/m ² = milligrams per square meter
mg/m ³	mg/m ³ = milligrams per cubic meter
g	g = grams
g/uL	g/uL = grams per microliter
g/mL	g/mL = grams per milliliter
g/L	g/L = grams per liter
g/mg	g/mg = grams per milligram
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
pL/mL	pL/mL = picoLiters per milliLiter
pL/L	pL/L = picoLiters per Liter
nL/mL	nL/mL = nanoLiters per milliLiter
nL/L	nL/L = nanoLiters per Liter
uL/mL	uL/mL = microLiters per milliLiter
uL/L	uL/L = microLiters per Liter
mL/L	mL/L = milliLiters per Liter

StandardFinalAmountUnits

Valid Values	Notes
uL	uL = microliters
mL	mL = milliliters
L	L = liters
cm2	cm2 = square centimeters
cm3	cm3 = cubic centimeters
m2	m2 = square meters
m3	m3 = cubic meters
pg	pg = picograms
ng	ng = nanograms
ug	ug = micrograms
mg	mg = milligrams
g	g = grams
kg	kg = kilograms

TailingFactorLimitType

Valid Values
Client
Laboratory
Method
Vendor

TemperatureUnits

Valid Values	Notes
C	C = Celsius
K	K = Kelvin
F	F = Fahrenheit

WavelengthUnits

Valid Values	Notes
nm	nm = nanometers
Angstroms	

WeightingFactor

Valid Values

None

Inverse_Of_Concentration

Inverse_Square_Of_Concentration

Manual

Notes

To be used under the AnalysisGroup node only.

To be used under the AnalysisGroup node only.

To be used under the AnalysisGroup node only.

To be used under the AnalysisGroup node only. When this value is used, the specific WeightingFactor used should be reported in the appropriate Analyte or Peak node.
