AliquotAmountUnits

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

AmountAddedLocation

VALID_VALUE	NOTES
Aliquot	Analyte was added to an original 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.
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.
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.
Sample	Analyte was added to the original sample container prior to taking the sample aliquot.
Standard	Analyte was added to prepare a standard.

AmountAddedUncertaintyInterval

VALID_VALUE	NOTES
Other_Interval	This interval includes the AmountAdded value.
Symmetric_Interval	This interval is centered on the AmountAdded value.

AmountAddedUncertaintyType

VALID_VALUE	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_VALUE	NOTES
L	L = liters
cm2	cm2 = square centimeters

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

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AmountAddedUnits

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

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AnalysisDurationUnits

VALID_VALUE	NOTES
d	d = days
h	h = hours
min	min = minutes
ms	ms = milliseconds
s	s = seconds
us	us = microseconds

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AnalysisType

VALID_VALUE	NOTES
Average	For use under the AnalysisGroup node only. To be used when multiple analyses are used to generate an averaged reported result value.

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CF-1

CF-2

CF-3

CF-4

CF-5

CF-6

CF-7

CF-8

CF-9

Confirmation

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.

Dilution-01

Dilution-02

Dilution-03

Dilution-04

Dilution-05

Dilution-06

Dilution-07

Dilution-08

Dilution-09

Initial

Initial_Calibration   For use under the AnalysisGroup node only. To be used when multiple analyses are used to generate initial calibration curve data.

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.

MSA-1

MSA-2

MSA-3

MSA-4

MSA-5

MSA-6

MSA-7

MSA-8

MSA-9

RRF-1

RRF-2

RRF-3

RRF-4

RRF-5

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RRF-6

RRF-7

RRF-8

RRF-9

Reanalysis-01

Reanalysis-02

Reanalysis-03

Reanalysis-04

Reanalysis-05

Reanalysis-06

Reanalysis-07

Reanalysis-08

Reanalysis-09

Reinjection-01

Reinjection-02

Reinjection-03

Reinjection-04

Reinjection-05

Reinjection-06

Reinjection-07

Reinjection-08

Reinjection-09

Replicate-1

Replicate-2

Replicate-3

Replicate-4

Replicate-5

Replicate-6

Replicate-7

Replicate-8

Replicate-9

Standard-1

Standard-2

Standard-3

Standard-4

Standard-5

Standard-6

Standard-7

Standard-8

Standard-9

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Sum	For use under the AnalysisGroup node only. To be used when multiple analyses are used to generate a summed reported result value.

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AnalyteNameContext

VALID_VALUE	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/)

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AnalyteType

VALID_VALUE	NOTES
Derived	An analyte that is derived or calculated from other method measured analyte(s).
Instrument_Performance	For USEPA_CLP use only.
Interferent	This type of analyte might be added to a sample but never actually measured.
Internal_Standard	
Monitor	This type of analyte might be added to a sample and a result actually determined.
Spike	
Surrogate	Also used for Dueterated Monitoring Compounds by the CLP
System_Monitoring_Compound	
TIC	TIC = Tentatively Identified Compound
Target	Target is the default valid value.
Tracer	

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AnalyzedAmountUnits

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

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BackgroundCorrection

VALID_VALUE	NOTES

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No

Yes

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BackgroundRawData

VALID_VALUE	NOTES
No	
Yes	

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BackgroundType

VALID_VALUE	NOTES
Deuterium_Arc	
Smith_Hieftje	
Zeeman	

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BottleType

VALID_VALUE	NOTES
1-L Amber_Glass_Bottle w/Teflon_Lined_Cap	32 oz.
1-L Amber_Glass_Jar w/Teflon_Lined_Caps	32 oz.
1-L Amber_HDPE_Bottle w/PP_Cap	32 oz. High Density Polyethylene Bottle with Polypropylene Cap
1-L Amber_HDPE_Jar w/PP_Cap	32 oz. High Density Polyethylene Jar with Polypropylene Cap
1-L Clear_Glass_Bottle w/Teflon_Lined_Cap	32 oz.
1-L Clear_Glass_Jar w/Teflon_Lined_Caps	32 oz.
1-L HDPE_Bottle w/PP_Cap	32 oz. High Density Polyethylene Bottle with Polypropylene Cap
1-L HDPE_Jar w/PP_Cap	32 oz. High Density Polyethylene Jar with Polypropylene Cap
1-L LDPE Cubitainer w/PP_Cap	1 qt. Low Density Polyethylene Cubitainer with Polypropylene Cap
1.5-L Amber_Glass_Jar w/Teflon_Lined_Caps	40 oz.
125-mL Amber_Glass_Bottle w/Teflon_Lined_Cap	4 oz.
125-mL Amber_Glass_Jar w/Teflon_Lined_Caps	4 oz.
125-mL Amber_HDPE_Bottle w/PP_Cap	4 oz. High Density Polyethylene Bottle with Polypropylene Cap
125-mL Amber_HDPE_Jar w/PP_Cap	4 oz. High Density Polyethylene Jar with Polypropylene Cap
125-mL Clear_Glass_Bottle w/Teflon_Lined_Cap	4 oz.
125-mL Clear_Glass_Jar w/Teflon_Lined_Caps	4 oz.
125-mL HDPE_Bottle w/PP_Cap	4 oz. High Density Polyethylene Bottle with Polypropylene Cap

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125-mL HDPE_Jar w/PP_Cap	4 oz. High Density Polyethylene Jar 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
2.5-L Amber_Glass_Bottle w/Teflon_Lined_Cap	80 oz.
2.5-L Amber_Glass_Jar w/Teflon_Lined_Caps	80 oz.
2.5-L Clear_Glass_Bottle w/Teflon_Lined_Cap	80 oz.
20-mL Amber_Glass_Vial w/Teflon_Lined_Septa	
20-mL Clear_Glass_Vial w/Teflon_Lined_Septa	
250-mL Amber_Glass_Bottle w/Teflon_Lined_Cap	8 oz.
250-mL Amber_Glass_Jar w/Teflon_Lined_Caps	8 oz.
250-mL Amber_HDPE_Bottle w/PP_Cap	8 oz. High Density Polyethylene Bottle with Polypropylene Cap
250-mL Amber_HDPE_Jar w/PP_Cap	8 oz. High Density Polyethylene Jar with Polypropylene Cap
250-mL Clear_Glass_Bottle w/Teflon_Lined_Cap	8 oz.
250-mL Clear_Glass_Jar w/Teflon_Lined_Caps	8 oz.
250-mL HDPE_Bottle w/PP_Cap	8 oz. High Density Polyethylene Bottle with Polypropylene Cap
250-mL HDPE_Jar w/PP_Cap	8 oz. High Density Polyethylene Jar with Polypropylene Cap
4-L Amber_Glass_Bottle w/Teflon_Lined_Cap	128 oz.
4-L Clear_Glass_Bottle w/Teflon_Lined_Cap	128 oz.
4-L LDPE Cubitainer w/PP_Cap	1 gal. Low Density Polyethylene Cubitainer with Polypropylene Cap
40-mL Amber_Glass_Vial w/Teflon_Lined_Septa	
40-mL Clear_Glass_Vial w/Teflon_Lined_Septa	
500-mL Amber_Glass_Bottle w/Teflon_Lined_Cap	16 oz.
500-mL Amber_Glass_Jar w/Teflon_Lined_Caps	16 oz.
500-mL Amber_HDPE_Bottle w/PP_Cap	16 oz. High Density Polyethylene Bottle with Polypropylene Cap
500-mL Amber_HDPE_Jar w/PP_Cap	16 oz. High Density Polyethylene Jar with Polypropylene Cap
500-mL Clear_Glass_Bottle w/Teflon_Lined_Cap	16 oz.

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500-mL Clear_Glass_Jar w/Teflon_Lined_Caps	16 oz.
500-mL HDPE_Bottle w/PP_Cap	16 oz. High Density Polyethylene Bottle with Polypropylene Cap
500-mL HDPE_Jar w/PP_Cap	16 oz. High Density Polyethylene Jar with Polypropylene Cap
60-mL Amber_Glass_Jar w/Teflon_Lined_Caps	2-oz.
60-mL Amber_Glass_Vial w/Teflon_Lined_Septa	
60-mL Clear_Glass_Jar w/Teflon_Lined_Caps	2-oz.
60-mL Clear_Glass_Vial w/Teflon_Lined_Septa	
9-L LDPE Cubitainer w/PP_Cap	1 gal. Low Density Polyethylene Cubitainer with Polypropylene Cap
Glass_Bottle	
Glass_Jar	
Metal_Sleeve	
Paper_Bag	
Plastic_Bag	
Plastic_Bottle	
Plastic_Jar	

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CalibrationBasis

VALID_VALUE	NOTES
Analyte	
Peak	

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CalibrationType

VALID_VALUE	NOTES
Average_Calibration_Factor	
Average_Relative_Response_ 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	

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Weighted_Linear_Regression_
With_Zero_Force

Weighted_Quadratic_Regression

Weighted_Quadratic_Regression_
With_Blank_Force

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CharacteristicType

VALID_VALUE	NOTES
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.
Clarity	The clarity of the sample or aliquot.
Color	The color of the sample or aliquot.
Conductance	The conductance of the sample.
Consolidation	The degree of consolidation of the sample.
Density	The density of the sample
Dissolved_Solids	The amount of solid material remaining after evaporation of the sample.
Melting_Point	The melting point of the sample.
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.
Pressure	The pressure of the sample.
Refractive_Index	The refractive index of the sample.
Suspended_Solids	The amount of solid material remaining after filtration of the sample.
Temperature	C (Centigrade), K (Kelvin), F (Fahrenheit)
Texture	Descriptive information about a solid sample.
Turbidity	The turbidity of the sample.
pH	The negative of the logarithm of the hydrogen ion potenial in the sample.

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CharacteristicUnits

VALID_VALUE	NOTES
C	For CharatceristicType = Boiling_Point or Melting_Point
F	For CharatceristicType = Boiling_Point or Melting_Point
K	For CharatceristicType = Boiling_Point or Melting_Point
NTU	For CharatceristicType = Turbidity
Pa	For CharatceristicType = Pressure
Percent	Percent (%)
S	For CharatceristicType = Conductance
g/cm3	For CharatceristicType = Desity
kg/m3	For CharatceristicType = Desity

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mg/L	For CharatceristicType = Disolved_Solids or Suspended_Solids
pH_Units	negative log H+ concentration - units
ug/L	For CharatceristicType = Disolved_Solids or Suspended_Solids

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ClientDetectionLimitUnits

VALID_VALUE	NOTES
Bq	Bq = becquerels
Bq/L	Bq/L = becquerels per liter
Bq/cm2	Bq/cm2 = bequerels per square centimeter
Bq/cm3	Bq/cm3 = bequerels per cubic centimeter
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/m2	Bq/m2 = bequerels per square meter
Bq/m3	Bq/m3 = bequerels per cubic meter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/mg	Bq/mg = becquerels per milligram
Bq/uL	Bq/uL = becquerels per microliter
Gy	Gy = Grays
Gy/d	Gr/d = Grays per day
Gy/h	Gr/h = Grays per hour
Gy/min	Gr/min = Grays per minute
Gy/s	Gy/s = Grays per second
Sv	Sv = Sieverts
Sv/d	Sv/d = Sieverts per day
Sv/h	Sv/h = Sieverts per hour
Sv/min	Sv/min = Sieverts per minute
Sv/s	Sv/s = Sieverts per second
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mBq	mBq = millibecquerels
mBq/L	mBq/L = millibecquerels per liter
mBq/cm2	mBq/cm2 = millibequerels per square centimeter
mBq/cm3	mBq/cm3 = millibequerels per cubic centimeter
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram

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mBq/m2	mBq/m2 = millibequerels per square meter
mBq/m3	mBq/m3 = millibequerels per cubic meter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/uL	mBq/uL = millibecquerels per microliter
mGy	mGy = milliGrays
mGy/d	mGy/d = milliGrays per day
mGy/h	mGy/h = milliGrays per hour
mGy/min	mGy/min = milliGrays per minute
mGy/s	mGy/s = milliGrays per second
mL/L	mL/L = milliliters per liter
mSv	mSv = milliSieverts
mSv/d	mSv/d = milliSieverts per day
mSv/h	mSv/h = milliSieverts per hour
mSv/min	mSv/min = milliSieverts per minute
mSv/s	mSv/s = milliSieverts per second
mg	mg = milligram
mg/L	mg/L = milligrams per liter
mg/cm2	mg/cm2 = milligrams per square centimeter
mg/cm3	mg/cm3 = milligrams per cubic centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter
mg/m3	mg/m3 - milligrams per cubic meter
mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram
mg/uL	mg/uL = milligrams per microliter
nBq	nBq = nanobecquerels
nBq/L	nBq/L = nanobecquerels per liter
nBq/cm2	nBq/cm2 = nanobequerels per square centimeter
nBq/cm3	nBq/cm3 = nanobequerels per cubic centimeter
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/m2	nBq/m2 = nanobequerels per square meter
nBq/m3	nBq/m3 = nanobequerels per cubic meter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/uL	nBq/uL = nanobecquerels per microliter
nL/L	nL/L = nanoliters per liter
nL/mL	nL/mL = nanoliters per milliliter

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ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter
pBq	pBq = picobecquerels
pBq/L	pBq/L = picobecquerels per liter
pBq/cm2	pBq/cm2 = picobequerels per square centimeter
pBq/cm3	pBq/cm3 = picobequerels per cubic centimeter
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/m2	pBq/m2 = picobequerels per square meter
pBq/m3	pBq/m3 = picobequerels per cubic meter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/uL	pBq/uL = picobecquerels per microliter
pL/L	pL/L = picoliters per liter
pL/mL	pL/mL = picoliters per milliliter
pg	pg = picograms
pg/L	pg/L = picograms per liter
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uBq	uBq = microbecquerels
uBq/L	uBq/L = microbecquerels per liter
uBq/cm2	uBq/cm2 = microbequerels per square centimeter
uBq/cm3	uBq/cm3 = microbequerels per cubic centimeter
uBq/g	uBq/g = microbecquerels per gram

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uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/m2	uBq/m2 = microbequerels per square meter
uBq/m3	uBq/m3 = microbequerels per cubic meter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/uL	uBq/uL = microbecquerels per microliter
uGy	uGy = microGrays
uGy/d	uGy/d = microGrays per day
uGy/h	uGy/h = microGrays per hour
uGy/min	uGy/min = microGrays per minute
uGy/s	uGy/s = microGrays per second
uL/L	uL/L = microliters per liter
uL/mL	uL/mL = microliters per milliliter
uSv	uSv = microSieverts
uSv/d	uSv/d = microSieverts per day
uSv/h	uSv/h = microSieverts per hour
uSv/min	uSv/min = microSieverts per minute
uSv/s	uSv/s = microSieverts per second
ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

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ClientInstrumentQCType

VALID_VALUE	NOTES

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ClientQuantitationLimitUnits

VALID_VALUE	NOTES
Bq	Bq = becquerels
Bq/L	Bq/L = becquerels per liter
Bq/cm2	Bq/cm2 = bequerels per square centimeter
Bq/cm3	Bq/cm3 = bequerels per cubic centimeter

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Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/m2	Bq/m2 = bequerels per square meter
Bq/m3	Bq/m3 = bequerels per cubic meter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/mg	Bq/mg = becquerels per milligram
Bq/uL	Bq/uL = becquerels per microliter
Gy	Gy = Grays
Gy/d	Gr/d = Grays per day
Gy/h	Gr/h = Grays per hour
Gy/min	Gr/min = Grays per minute
Gy/s	Gy/s = Grays per second
Sv	Sv = Sieverts
Sv/d	Sv/d = Sieverts per day
Sv/h	Sv/h = Sieverts per hour
Sv/min	Sv/min = Sieverts per minute
Sv/s	Sv/s = Sieverts per second
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mBq	mBq = millibecquerels
mBq/L	mBq/L = millibecquerels per liter
mBq/cm2	mBq/cm2 = millibequerels per square centimeter
mBq/cm3	mBq/cm3 = millibequerels per cubic centimeter
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/m2	mBq/m2 = millibequerels per square meter
mBq/m3	mBq/m3 = millibequerels per cubic meter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/uL	mBq/uL = millibecquerels per microliter
mGy	mGy = milliGrays
mGy/d	mGy/d = milliGrays per day
mGy/h	mGy/h = milliGrays per hour
mGy/min	mGy/min = milliGrays per minute
mGy/s	mGy/s = milliGrays per second

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mL/L	mL/L = milliliters per liter
mSv	mSv = milliSieverts
mSv/d	mSv/d = milliSieverts per day
mSv/h	mSv/h = milliSieverts per hour
mSv/min	mSv/min = milliSieverts per minute
mSv/s	mSv/s = milliSieverts per second
mg	mg = milligram
mg/L	mg/L = milligrams per liter
mg/cm2	mg/cm2 = milligrams per square centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter
mg/m3	mg/m3 - milligrams per cubic meter
mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram
mg/uL	mg/uL = milligrams per microliter
nBq	nBq = nanobecquerels
nBq/L	nBq/L = nanobecquerels per liter
nBq/cm2	nBq/cm2 = nanobequerels per square centimeter
nBq/cm3	nBq/cm3 = nanobequerels per cubic centimeter
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/m2	nBq/m2 = nanobequerels per square meter
nBq/m3	nBq/m3 = nanobequerels per cubic meter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/uL	nBq/uL = nanobecquerels per microliter
nL/L	nL/L = nanoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter

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pBq	pBq = picobecquerels
pBq/L	pBq/L = picobecquerels per liter
pBq/cm2	pBq/cm2 = picobequerels per square centimeter
pBq/cm3	pBq/cm3 = picobequerels per cubic centimeter
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/m2	pBq/m2 = picobequerels per square meter
pBq/m3	pBq/m3 = picobequerels per cubic meter
pBq/mL	pBq/mL = picobequerels per milliliter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/uL	pBq/uL = picobecquerels per microliter
pL/L	pL/L = picoliters per liter
pL/mL	pL/mL = picoliters per milliliter
pg	pg = picograms
pg/L	pg/L = picograms per liter
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uBq	uBq = microbecquerels
uBq/L	uBq/L = microbecquerels per liter
uBq/cm2	uBq/cm2 = microbequerels per square centimeter
uBq/cm3	uBq/cm3 = microbequerels per cubic centimeter
uBq/g	uBq/g = microbecquerels per gram
uBq/m2	uBq/m2 = microbequerels per square meter
uBq/m3	uBq/m3 = microbequerels per cubic meter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/uL	uBq/uL = microbecquerels per microliter
uGy	uGy = microGrays
uGy/d	uGy/d = microGrays per day
uGy/min	uGy/min = microGrays per minute
uGy/s	uGy/s = microGrays per second
uL/L	uL/L = microliters per liter
uL/mL	uL/mL = microliters per milliliter

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uSv	uSv = microSieverts
uSv/d	uSv/d = microSieverts per day
uSv/h	uSv/h = microSieverts per hour
uSv/min	uSv/min = microSieverts per minute
uSv/s	uSv/s = microSieverts per second
ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

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CoeffOfDeterminationLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

_____

ColumnInternalDiameterUnits

VALID_VALUE	NOTES
cm	cm = centimeters
m	m = meters
mm	mm = millimeters

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ColumnLengthUnits

VALID_VALUE	NOTES
cm	cm = centimeters
m	m = meters
mm	mm = millimeters

_____

Composite

VALID_VALUE	NOTES
No	
Yes	

_____

_____

CorrelationCoeffLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

_____

CountsUncertaintyIntervalType

VALID_VALUE	NOTES
Other_Interval	This interval includes the Counts value.
Symmetric_Interval	This interval is centered on the Counts value.

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CountsUnits

VALID_VALUE	NOTES
Disintegrations/d	The number of disintegrations per day.
Disintegrations/h	The number of disintegrations per hour.
Disintegrations/min	The number of disintegrations per minute.
Disintegrations/s	The number of disintegrations per second.

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DateFormat

VALID_VALUE	NOTES
MM/DD/YYThh:mm:ss.sTZD	
MM/DD/YYThhmmss.sTZD	
MM/DD/YYYYThh:mm:ss.sTZD	
MM/DD/YYYYThhmmss.sTZD	
MMDDYYThh:mm:ss.sTZD	
MMDDYYThhmmss.sTZD	
MMDDYYYYThh:mm:ss.sTZD	
MMDDYYYYThhmmss.sTZD	
YYMMDDThh:mm:ss.sTZD	
YYMMDDThhmmss.sTZD	
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
YYYYMMDDThh:mm:ss.sTZD	
YYYYMMDDThhmmss.sTZD	

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DetectionLimitType

VALID_VALUE	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).

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IDL	IDL = Instrument Detection Limit as defined by the US Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) in ILM04.1
LOD_ACS	LOD_ACS = 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 (Lc).
LOD_ACS_sa	LOD_ACS_sa = Sample adjusted LOD_ACS. 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).
Lc	Lc = Critical value as defined by the International Union of Pure and Applied Chemistry (IUPAC) in conjunction with Currie. The false positive rate (Type I error) is typically set at 1%.
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).
Ld	Ld = Detection Limit as defined by the International Union of Pure and Applied Chemistry (IUPAC) in conjunction with Currie. The false negative rate (Type II error) is typically set at 1%.
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).
MDL	MDL = Method Detection Limit as defined by the US Environmental Protection Agency (USEPA) in 40 CFR part 136, Appendix B (49 FR 43234 dated October 26, 1984). The false positive rate (Type I error) is set at 1%.
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).

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DetectionLimitUnits

VALID_VALUE	NOTES
Bq	Bq = becquerels
Bq/L	Bq/L = becquerels per liter
Bq/cm2	Bq/cm2 = bequerels per square centimeter
Bq/cm3	Bq/cm3 = bequerels per cubic centimeter
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/m2	Bq/m2 = bequerels per square meter
Bq/m3	Bq/m3 = bequerels per cubic meter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/mg	Bq/mg = becquerels per milligram
Bq/uL	Bq/uL = becquerels per microliter
Gy	Gy = Grays
Gy/d	Gr/d = Grays per day
Gy/h	Gr/h = Grays per hour
Gy/min	Gr/min = Grays per minute
Gy/s	Gy/s = Grays per second
Sv	Sv = Sieverts
Sv/d	Sv/d = Sieverts per day

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Sv/h	Sv/h = Sieverts per hour
Sv/min	Sv/min = Sieverts per minute
Sv/s	Sv/s = Sieverts per second
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mBq	mBq = millibecquerels
mBq/L	mBq/L = millibecquerels per liter
mBq/cm2	mBq/cm2 = millibequerels per square centimeter
mBq/cm3	mBq/cm3 = millibequerels per cubic centimeter
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/m2	mBq/m2 = millibequerels per square meter
mBq/m3	mBq/m3 = millibequerels per cubic meter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/uL	mBq/uL = millibecquerels per microliter
mGy	mGy = milliGrays
mGy/d	mGy/d = milliGrays per day
mGy/h	mGy/h = milliGrays per hour
mGy/min	mGy/min = milliGrays per minute
mGy/s	mGy/s = milliGrays per second
mL/L	mL/L = milliliters per liter
mSv	mSv = milliSieverts
mSv/d	mSv/d = milliSieverts per day
mSv/h	mSv/h = milliSieverts per hour
mSv/min	mSv/min = milliSieverts per minute
mSv/s	mSv/s = milliSieverts per second
mg	mg = milligram
mg/L	mg/L = milligrams per liter
mg/cm2	mg/cm2 = milligrams per square centimeter
mg/cm3	mg/cm3 = milligrams per cubic centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter
mg/m3	mg/m3 - milligrams per cubic meter

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mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram
mg/uL	mg/uL = milligrams per microliter
nBq	nBq = nanobecquerels
nBq/L	nBq/L = nanobecquerels per liter
nBq/cm2	nBq/cm2 = nanobequerels per square centimeter
nBq/cm3	nBq/cm3 = nanobequerels per cubic centimeter
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/m2	nBq/m2 = nanobequerels per square meter
nBq/m3	nBq/m3 = nanobequerels per cubic meter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/uL	nBq/uL = nanobecquerels per microliter
nL/L	nL/L = nanoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter
pBq	pBq = picobecquerels
pBq/L	pBq/L = picobecquerels per liter
pBq/cm2	pBq/cm2 = picobequerels per square centimeter
pBq/cm3	pBq/cm3 = picobequerels per cubic centimeter
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/m2	pBq/m2 = picobequerels per square meter
pBq/m3	pBq/m3 = picobequerels per cubic meter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/uL	pBq/uL = picobecquerels per microliter
pL/L	pL/L = picoliters per liter
pL/mL	pL/mL = picoliters per milliliter

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pg	pg = picograms
pg/L	pg/L = picograms per liter
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uBq	uBq = microbecquerels
uBq/L	uBq/L = microbecquerels per liter
uBq/cm2	uBq/cm2 = microbequerels per square centimeter
uBq/cm3	uBq/cm3 = microbequerels per cubic centimeter
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/m2	uBq/m2 = microbequerels per square meter
uBq/m3	uBq/m3 = microbequerels per cubic meter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/uL	uBq/uL = microbecquerels per microliter
uGy	uGy = microGrays
uGy/d	uGy/d = microGrays per day
uGy/h	uGy/h = microGrays per hour
uGy/min	uGy/min = microGrays per minute
uGy/s	uGy/s = microGrays per second
uL/L	uL/L = microliters per liter
uL/mL	uL/mL = microliters per milliliter
uSv	uSv = microSieverts
uSv/d	uSv/d = microSieverts per day
uSv/h	uSv/h = microSieverts per hour
uSv/min	uSv/min = microSieverts per minute
uSv/s	uSv/s = microSieverts per second
ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram

ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

DetectorType

VALID_VALUE	NOTES
CCD	CCD=Charge-Coupled Devices
CID	CID = Charge Injection Detector
COND	COND = Conductivity
ECD	ECD = Electron Capture Detector
FID	FID = Flame Ionization Detector
FL	FL = Fluorescence Detector
IR	IR = Infrared Detector
MS	MS = Mass Spectrometry Detector
PDA	PDA=Photo Diode Array
PID	PID = Photo Ionization Detector
PMT	PMT = Photo Multiplier Tube
SCD	SCD = Sulfur Chemiluminescence Detector
Spectrophotometer	
TCD	TCD = Thermal Conductivity Detector
UV	UV = Ultraviolet Detector

EDDID

VALID_VALUE	NOTES
SEDD	Staged Electronic Data Deliverable.

EDDImplementationID

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

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EDDImplementationVersion

VALID_VALUE	NOTES

_____

EDDVersion

VALID_VALUE	NOTES
Draft 4.2	
Draft 5.0	
Draft 5.1	

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ExpectedResultUncertaintyInter

VALID_VALUE	NOTES
Other_Interval	This interval includes the ExpectedResult value.
Symmetric_Interval	This interval is centered on the ExpectedResult value.

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ExpectedResultUncertaintyType

VALID_VALUE	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_VALUE	NOTES
Bq	Bq = becquerels
Bq/L	Bq/L = becquerels per liter
Bq/cm2	Bq/cm2 = bequerels per square centimeter
Bq/cm3	Bq/cm3 = bequerels per cubic centimeter
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/m2	Bq/m2 = bequerels per square meter
Bq/m3	Bq/m3 = bequerels per cubic meter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/mg	Bq/mg = becquerels per milligram
Bq/uL	Bq/uL = becquerels per microliter
Gy	Gy = Grays
Gy/d	Gr/d = Grays per day
Gy/h	Gr/h = Grays per hour
Gy/min	Gr/min = Grays per minute
Gy/s	Gy/s = Grays per second
Sv	Sv = Sieverts

_____

Sv/d	Sv/d = Sieverts per day
Sv/h	Sv/h = Sieverts per hour
Sv/min	Sv/min = Sieverts per minute
Sv/s	Sv/s = Sieverts per second
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mBq	mBq = millibecquerels
mBq/L	mBq/L = millibecquerels per liter
mBq/cm2	mBq/cm2 = millibequerels per square centimeter
mBq/cm3	mBq/cm3 = millibequerels per cubic centimeter
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/m2	mBq/m2 = millibequerels per square meter
mBq/m3	mBq/m3 = millibequerels per cubic meter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/uL	mBq/uL = millibecquerels per microliter
mGy	mGy = milliGrays
mGy/d	mGy/d = milliGrays per day
mGy/h	mGy/h = milliGrays per hour
mGy/min	mGy/min = milliGrays per minute
mGy/s	mGy/s = milliGrays per second
mL/L	mL/L = milliliters per liter
mSv	mSv = milliSieverts
mSv/d	mSv/d = milliSieverts per day
mSv/h	mSv/h = milliSieverts per hour
mSv/min	mSv/min = milliSieverts per minute
mSv/s	mSv/s = milliSieverts per second
mg	mg = milligram
mg/L	mg/L = milligrams per liter
mg/cm2	mg/cm2 = milligrams per square centimeter
mg/cm3	mg/cm3 = milligrams per cubic centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter

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mg/m3	mg/m3 - milligrams per cubic meter
mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram
mg/uL	mg/uL = milligrams per microliter
nBq	nBq = nanobecquerels
nBq/L	nBq/L = nanobecquerels per liter
nBq/cm2	nBq/cm2 = nanobequerels per square centimeter
nBq/cm3	nBq/cm3 = nanobequerels per cubic centimeter
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/m2	nBq/m2 = nanobequerels per square meter
nBq/m3	nBq/m3 = nanobequerels per cubic meter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/uL	nBq/uL = nanobecquerels per microliter
nL/L	nL/L = nanoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter
pBq	pBq = picobecquerels
pBq/L	pBq/L = picobecquerels per liter
pBq/cm2	pBq/cm2 = picobequerels per square centimeter
pBq/cm3	pBq/cm3 = picobequerels per cubic centimeter
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/m2	pBq/m2 = picobequerels per square meter
pBq/m3	pBq/m3 = picobequerels per cubic meter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/uL	pBq/uL = picobecquerels per microliter
pL/L	pL/L = picoliters per liter

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pL/mL	pL/mL = picoliters per milliliter
pg	pg = picograms
pg/L	pg/L = picograms per liter
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uBq	uBq = microbecquerels
uBq/L	uBq/L = microbecquerels per liter
uBq/cm2	uBq/cm2 = microbequerels per square centimeter
uBq/cm3	uBq/cm3 = microbequerels per cubic centimeter
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/m2	uBq/m2 = microbequerels per square meter
uBq/m3	uBq/m3 = microbequerels per cubic meter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/uL	uBq/uL = microbecquerels per microliter
uGy	uGy = microGrays
uGy/d	uGy/d = microGrays per day
uGy/h	uGy/h = microGrays per hour
uGy/min	uGy/min = microGrays per minute
uGy/s	uGy/s = microGrays per second
uL/L	uL/L = microliters per liter
uL/mL	uL/mL = microliters per milliliter
uSv	uSv = microSieverts
uSv/d	uSv/d = microSieverts per day
uSv/h	uSv/h = microSieverts per hour
uSv/min	uSv/min = microSieverts per minute
uSv/s	uSv/s = microSieverts per second
ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram

ug/kg	ug/kg = micrograms per kilogram
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

ExpectedResultUnits

VALID_VALUE	NOTES
Bq	Bq = becquerels
Bq/L	Bq/L = becquerels per liter
Bq/cm2	Bq/cm2 = bequerels per square centimeter
Bq/cm3	Bq/cm3 = bequerels per cubic centimeter
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/m2	Bq/m2 = bequerels per square meter
Bq/m3	Bq/m3 = bequerels per cubic meter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/mg	Bq/mg = becquerels per milligram
Bq/uL	Bq/uL = becquerels per microliter
Gy	Gy = Grays
Gy/d	Gr/d = Grays per day
Gy/h	Gr/h = Grays per hour
Gy/min	Gr/min = Grays per minute
Gy/s	Gy/s = Grays per second
Sv	Sv = Sieverts
Sv/d	Sv/d = Sieverts per day
Sv/h	Sv/h = Sieverts per hour
Sv/min	Sv/min = Sieverts per minute
Sv/s	Sv/s = Sieverts per second
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mBq	mBq = millibecquerels
mBq/L	mBq/L = millibecquerels per liter
mBq/cm2	mBq/cm2 = millibequerels per square centimeter

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mBq/cm3	mBq/cm3 = millibequerels per cubic centimeter
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/m2	mBq/m2 = millibequerels per square meter
mBq/m3	mBq/m3 = millibequerels per cubic meter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/uL	mBq/uL = millibecquerels per microliter
mGy	mGy = milliGrays
mGy/d	mGy/d = milliGrays per day
mGy/h	mGy/h = milliGrays per hour
mGy/min	mGy/min = milliGrays per minute
mGy/s	mGy/s = milliGrays per second
mL/L	mL/L = milliliters per liter
mSv	mSv = milliSieverts
mSv/d	mSv/d = milliSieverts per day
mSv/h	mSv/h = milliSieverts per hour
mSv/min	mSv/min = milliSieverts per minute
mSv/s	mSv/s = milliSieverts per second
mg	mg = milligram
mg/L	mg/L = milligrams per liter
mg/cm2	mg/cm2 = milligrams per square centimeter
mg/cm3	mg/cm3 = milligrams per cubic centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter
mg/m3	mg/m3 - milligrams per cubic meter
mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram
mg/uL	mg/uL = milligrams per microliter
nBq	nBq = nanobecquerels
nBq/L	nBq/L = nanobecquerels per liter
nBq/cm2	nBq/cm2 = nanobequerels per square centimeter
nBq/cm3	nBq/cm3 = nanobequerels per cubic centimeter
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/m2	nBq/m2 = nanobequerels per square meter
nBq/m3	nBq/m3 = nanobequerels per cubic meter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/mg	nBq/mg = nanobecquerels per milligram

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nBq/uL	nBq/uL = nanobecquerels per microliter
nL/L	nL/L = nanoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter
pBq	pBq = picobecquerels
pBq/L	pBq/L = picobecquerels per liter
pBq/cm2	pBq/cm2 = picobequerels per square centimeter
pBq/cm3	pBq/cm3 = picobequerels per cubic centimeter
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/m2	pBq/m2 = picobecquerels per square meter
pBq/m3	pBq/m3 = picobequerels per cubic meter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/uL	pBq/uL = picobecquerels per microliter
pL/L	pL/L = picoliters per liter
pL/mL	pL/mL = picoliters per milliliter
pg	pg = picograms
pg/L	pg/L = picograms per liter
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uBq	uBq = microbecquerels
uBq/L	uBq/L = microbecquerels per liter

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uBq/cm2	uBq/cm2 = microbequerels per square centimeter
uBq/cm3	uBq/cm3 = microbequerels per cubic centimeter
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/m2	uBq/m2 = microbequerels per square meter
uBq/m3	uBq/m3 = microbequerels per cubic meter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/uL	uBq/uL = microbecquerels per microliter
uGy	uGy = microGrays
uGy/d	uGy/d = microGrays per day
uGy/h	uGy/h = microGrays per hour
uGy/min	uGy/min = microGrays per minute
uGy/s	uGy/s = microGrays per second
uL/L	uL/L = microliters per liter
uL/mL	uL/mL = microliters per milliliter
uSv	uSv = microSieverts
uSv/d	uSv/d = microSieverts per day
uSv/h	uSv/h = microSieverts per hour
uSv/min	uSv/min = microSieverts per minute
uSv/s	uSv/s = microSieverts per second
ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

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Filtered

VALID_VALUE	NOTES
No	
Yes	

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FinalAmountUnits

VALID_VALUE	NOTES

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

_____

HeatedPurge

VALID_VALUE	NOTES
No	
Yes	

_____

Inclusion

VALID_VALUE	NOTES
No	
Yes	

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InitialAmountUnits

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

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InjectionVolumeUnits

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

InterelementCorrection

VALID_VALUE	NOTES
No	
Yes	

IntermediateResultLimitType

VALID_VALUE	NOTES
Calibrated_Range	
Client	
Lab	
Linear_Range	
Method	
Vendor	

IntermediateResultUncertaintyI

VALID_VALUE	NOTES
Other_Interval	This interval includes the IntermediateResult value.
Symmetric_Interval	This interval is centered on the IntermediateResult value.

IntermediateResultUncertaintyT

VALID_VALUE	NOTES
Category A	The estimate of the IntermediateResultUncertainty is directly determined using a statistically-based method.
Category B	The estimate of the IntermediateResultUncertainty is directly determined using some other method.

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IntermediateResultUncertaintyU

VALID_VALUE	NOTES
Bq	Bq = becquerels
Bq/L	Bq/L = becquerels per liter
Bq/cm2	Bq/cm2 = bequerels per square centimeter
Bq/cm3	Bq/cm3 = bequerels per cubic centimeter
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/m2	Bq/m2 = bequerels per square meter
Bq/m3	Bq/m3 = bequerels per cubic meter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/mg	Bq/mg = becquerels per milligram
Bq/uL	Bq/uL = becquerels per microliter
Gy	Gy = Grays
Gy/d	Gr/d = Grays per day
Gy/h	Gr/h = Grays per hour
Gy/min	Gr/min = Grays per minute
Gy/s	Gy/s = Grays per second
Sv	Sv = Sieverts
Sv/d	Sv/d = Sieverts per day
Sv/h	Sv/h = Sieverts per hour
Sv/min	Sv/min = Sieverts per minute
Sv/s	Sv/s = Sieverts per second
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mBq	mBq = millibecquerels
mBq/L	mBq/L = millibecquerels per liter
mBq/cm2	mBq/cm2 = millibequerels per square centimeter
mBq/cm3	mBq/cm3 = millibequerels per cubic centimeter
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/m2	mBq/m2 = millibequerels per square meter
mBq/m3	mBq/m3 = millibequerels per cubic meter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/mg	mBq/mg = millibecquerels per milligram

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mBq/uL	mBq/uL = millibecquerels per microliter
mGy	mGy = milliGrays
mGy/d	mGy/d = milliGrays per day
mGy/h	mGy/h = milliGrays per hour
mGy/min	mGy/min = milliGrays per minute
mGy/s	mGy/s = milliGrays per second
mL/L	mL/L = milliliters per liter
mSv	mSv = milliSieverts
mSv/d	mSv/d = milliSieverts per day
mSv/h	mSv/h = milliSieverts per hour
mSv/min	mSv/min = milliSieverts per minute
mSv/s	mSv/s = milliSieverts per second
mg	mg = milligram
mg/L	mg/L = milligrams per liter
mg/cm2	mg/cm2 = milligrams per square centimeter
mg/cm3	mg/cm3 = milligrams per cubic centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter
mg/m3	mg/m3 - milligrams per cubic meter
mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram
mg/uL	mg/uL = milligrams per microliter
nBq	nBq = nanobecquerels
nBq/L	nBq/L = nanobecquerels per liter
nBq/cm2	nBq/cm2 = nanobequerels per square centimeter
nBq/cm3	nBq/cm3 = nanobequerels per cubic centimeter
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/m2	nBq/m2 = nanobequerels per square meter
nBq/m3	nBq/m3 = nanobequerels per cubic meter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/uL	nBq/uL = nanobecquerels per microliter
nL/L	nL/L = nanoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter

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ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter
pBq	pBq = picobecquerels
pBq/L	pBq/L = picobecquerels per liter
pBq/cm2	pBq/cm2 = picobequerels per square centimeter
pBq/cm3	pBq/cm3 = picobequerels per cubic centimeter
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/m2	pBq/m2 = picobequerels per square meter
pBq/m3	pBq/m3 = picobequerels per cubic meter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/uL	pBq/uL = picobecquerels per microliter
pL/L	pL/L = picoliters per liter
pL/mL	pL/mL = picoliters per milliliter
pg	pg = picograms
pg/L	pg/L = picograms per liter
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uBq	uBq = microbecquerels
uBq/L	uBq/L = microbecquerels per liter
uBq/cm2	uBq/cm2 = microbequerels per square centimeter
uBq/cm3	uBq/cm3 = microbequerels per cubic centimeter
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/m2	uBq/m2 = microbequerels per square meter
uBq/m3	uBq/m3 = microbequerels per cubic meter
uBq/mL	uBq/mL = microbecquerels per milliliter

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uBq/mg	uBq/mg = microbecquerels per milligram
uBq/uL	uBq/uL = microbecquerels per microliter
uGy	uGy = microGrays
uGy/d	uGy/d = microGrays per day
uGy/h	uGy/h = microGrays per hour
uGy/min	uGy/min = microGrays per minute
uGy/s	uGy/s = microGrays per second
uL/L	uL/L = microliters per liter
uL/mL	uL/mL = microliters per milliliter
uSv	uSv = microSieverts
uSv/d	uSv/d = microSieverts per day
uSv/h	uSv/h = microSieverts per hour
uSv/min	uSv/min = microSieverts per minute
uSv/s	uSv/s = microSieverts per second
ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

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IntermediateResultUnits

VALID_VALUE	NOTES
Bq	Bq = becquerels
Bq/L	Bq/L = becquerels per liter
Bq/cm2	Bq/cm2 = bequerels per square centimeter
Bq/cm3	Bq/cm3 = bequerels per cubic centimeter
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/m2	Bq/m2 = bequerels per square meter
Bq/m3	Bq/m3 = bequerels per cubic meter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/mg	Bq/mg = becquerels per milligram
Bq/uL	Bq/uL = becquerels per microliter
Gy	Gy = Grays

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Gy/d	Gr/d = Grays per day
Gy/h	Gr/h = Grays per hour
Gy/min	Gr/min = Grays per minute
Gy/s	Gy/s = Grays per second
Sv	Sv = Sieverts
Sv/d	Sv/d = Sieverts per day
Sv/h	Sv/h = Sieverts per hour
Sv/min	Sv/min = Sieverts per minute
Sv/s	Sv/s = Sieverts per second
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mBq	mBq = millibecquerels
mBq/L	mBq/L = millibecquerels per liter
mBq/cm2	mBq/cm2 = millibequerels per square centimeter
mBq/cm3	mBq/cm3 = millibequerels per cubic centimeter
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/m2	mBq/m2 = millibequerels per square meter
mBq/m3	mBq/m3 = millibequerels per cubic meter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/uL	mBq/uL = millibecquerels per microliter
mGy	mGy = milliGrays
mGy/d	mGy/d = milliGrays per day
mGy/h	mGy/h = milliGrays per hour
mGy/min	mGy/min = milliGrays per minute
mGy/s	mGy/s = milliGrays per second
mL/L	mL/L = milliliters per liter
mSv	mSv = milliSieverts
mSv/d	mSv/d = milliSieverts per day
mSv/h	mSv/h = milliSieverts per hour
mSv/min	mSv/min = milliSieverts per minute
mSv/s	mSv/s = milliSieverts per second
mg	mg = milligram
mg/L	mg/L = milligrams per liter

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mg/cm2	mg/cm2 = milligrams per square centimeter
mg/cm3	mg/cm3 = milligrams per cubic centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter
mg/m3	mg/m3 - milligrams per cubic meter
mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram
mg/uL	mg/uL = milligrams per microliter
nBq	nBq = nanobecquerels
nBq/L	nBq/L = nanobecquerels per liter
nBq/cm2	nBq/cm2 = nanobequerels per square centimeter
nBq/cm3	nBq/cm3 = nanobequerels per cubic centimeter
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/m2	nBq/m2 = nanobequerels per square meter
nBq/m3	nBq/m3 = nanobequerels per cubic meter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/uL	nBq/uL = nanobecquerels per microliter
nL/L	nL/L = nanoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter
pBq	pBq = picobecquerels
pBq/L	pBq/L = picobecquerels per liter
pBq/cm2	pBq/cm2 = picobequerels per square centimeter
pBq/cm3	pBq/cm3 = picobequerels per cubic centimeter
pBq/g	pBq/g = picobequerels per gram
pBq/kg	pBq/kg = picobequerels per kilogram
pBq/m2	pBq/m2 = picobequerels per square meter

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pBq/m3	pBq/m3 = picobequerels per cubic meter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/uL	pBq/uL = picobecquerels per microliter
pL/L	pL/L = picoliters per liter
pL/mL	pL/mL = picoliters per milliliter
pg	pg = picograms
pg/L	pg/L = picograms per liter
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uBq	uBq = microbecquerels
uBq/L	uBq/L = microbequerels per liter
uBq/cm2	uBq/cm2 = microbequerels per square centimeter
uBq/cm3	uBq/cm3 = microbequerels per cubic centimeter
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/m2	uBq/m2 = microbequerels per square meter
uBq/m3	uBq/m3 = microbequerels per cubic meter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/uL	uBq/uL = microbecquerels per microliter
uGy	uGy = microGrays
uGy/d	uGy/d = microGrays per day
uGy/h	uGy/h = microGrays per hour
uGy/min	uGy/min = microGrays per minute
uGy/s	uGy/s = microGrays per second
uL/L	uL/L = microliters per liter
uL/mL	uL/mL = microliters per milliliter
uSv	uSv = microSieverts
uSv/d	uSv/d = microSieverts per day
uSv/h	uSv/h = microSieverts per hour
uSv/min	uSv/min = microSieverts per minute
uSv/s	uSv/s = microSieverts per second

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ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

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LabPointOfContactType

VALID_VALUE	NOTES
Primary	
Secondary	

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LabResultStatus

VALID_VALUE	NOTES
Final	
Preliminary	

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LabType

VALID_VALUE	NOTES
Field	
Fixed	
Mobile	

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ManualIntegration

VALID_VALUE	NOTES
No	
Yes	

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MassLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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MassUnits

VALID_VALUE	NOTES

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u	u = Unified Atomic Mass Units

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MatrixID

VALID_VALUE	NOTES
Air	For MatrixMedium = Air
Ambient_Air	For MatrixMedium = Air
Ash	For MatrixMedium = Solid
Canal	For MatrixMedium = Aqueous
Construction_Material	For MatrixMedium = Solid
Consumer_Product	For MatrixMedium = Solid
Ditch	For MatrixMedium = Aqueous
Drinking_Water	For MatrixMedium = Aqueous
Dust	For MatrixMedium = Solid
Fallout	For MatrixMedium = Solid
Filter	For MatrixMedium = Solid
Finished_Water	For MatrixMedium = Aqueous
Gasoline	For MatrixMedium = Non_Aqueous_Liquid
Ground_Water	For MatrixMedium = Aqueous
Indoor_Air	For MatrixMedium = Air
Industrial_Waste	For MatrixMedium = Aqueous
Lake	For MatrixMedium = Aqueous
Leachate	For MatrixMedium = Aqueous
Municipal_Waste	For MatrixMedium = Aqueous
Oil	For MatrixMedium = Non_Aqueous_Liquid
Oily_Sludge	For MatrixMedium = Non_Aqueous_Liquid
Other_Air	For MatrixMedium = Air
Other_Aqueous	For MatrixMedium = Aqueous
Other_Non_Aqueous	For MatrixMedium = Non_Aqueous_Liquid
Other_Solid	For MatrixMedium = Solid
Pond	For MatrixMedium = Aqueous
Process_Waste	For MatrixMedium = Solid
Pure_Product	For MatrixMedium = Non_Aqueous_Liquid
Reservoir	For MatrixMedium = Aqueous
Saline_Water	For MatrixMedium = Aqueous
Sediment	For MatrixMedium = Solid
Soil	For MatrixMedium = Solid
Stack_Gases	For MatrixMedium = Air
Storm_Water	For MatrixMedium = Aqueous
Subsurface_Soil	For MatrixMedium = Solid
Surface_Soil	For MatrixMedium = Solid

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Surface_Water	For MatrixMedium = Aqueous
Tissue	For MatrixMedium = Solid
Water	For MatrixMedium = Aqueous
Wipe	For MatrixMedium = Solid

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MatrixMedium

VALID_VALUE	NOTES
Air	
Aqueous	
Biological_Tissue	
Non_Aqueous_Liquid	
Solid	

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MeanRelativeResponseLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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MeanRetentionTimeLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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MeanRetentionTimeUnits

VALID_VALUE	NOTES
d	d = days
h	h = hours
min	min = minutes
ms	ms = milliseconds
s	s = seconds
us	us = microseconds

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MeanRRFLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	

Vendor

MethodLevel

VALID_VALUE	NOTES
High	
Low	
Medium	
Trace	

MethodSource

VALID_VALUE	NOTES
AK_UST	State of Alaska Department of Environmental Conservation Underground Storage Tank Program (Contaminated Sites)
AOAC	AOAC = AOAC International
ASTM	ASTM = American Standard Testing and Materials International
NIOSH	NIOSH = The National Institute for Occupational Safety and Health
NOAA_NST	NOAA_NST = National Oceanic and Atmospheric Administration National Status and Trends Program
USDOE_EML	USDOE_EML = USDOE Environmental Measurements Laboratory
USDOE_NAMP	USDOE_NAMP = USDOE National Analytical Management Program
USDOE_RESL	USDOE_RESL = USDOE Radiological and Environmental Services Laboratory
USEPA_AMTIC	USEPA_AMTIC = USEPA Ambient Monitoring Technology Information Center
USEPA_CARB	USEPA_CARB = USEPA California Air Resources Board
USEPA_CLP	USEPA_CLP = USEPA Contract Laboratory Program
USEPA_EAD	USEPA_EAD = USEPA Engineering and Analysis Division
USEPA_NERL	USEPA_NERL = USEPA National Exposure Research Laboratory
USEPA_OGWDW/TSC	USEPA_OGWDW/TSC = USEPA Office of Ground Water and Drinking Water/Technical Support Center
USEPA_OSW	USEPA_OSW = USEPA Office of Solid Waste (SW-846)
USEPA_R2_ESD	USEPA Region 2 Environmental Services Division
USGS	USGS = USGS Branch of Information Services

MethodType

VALID_VALUE	NOTES
COLOR	COLOR = Colorimetry
CVAA	CVAA = Cold Vapor Atomic Absorption
CVAF	CVAF = Cold Vapor Atomic Fluorescence
GC	GC = Gas Chromatography
GC/MS	GC/MS = Gas Chromatography with Mass Spectrometry Detector
GFAA	GFAA = Graphite Furnace Atomic Absorption
HRGC/HRMS	HRGC/HRMS = High Resolution Gs Chromatography/High Resolution Mass Spectrometry

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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
ISE	ISE = Ion Selective Electrode
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
Spectrophotometry	Spectrophotometry
Wet	Wet Chemistry Method

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PeakRatioLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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PercentBreakdownLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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PercentDifferenceLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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PercentRatioLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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PercentRecoveryLimitType

VALID_VALUE	NOTES

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Client

Laboratory

Method

Vendor

_____

PercentRecoveryType

VALID_VALUE	NOTES
Not_Calculable	

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PercentRSDLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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PhaseAnalyzed

VALID_VALUE	NOTES
Lower	
Middle	
Upper	

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PreparationPlusCleanupType

VALID_VALUE	NOTES
Cleanup	
Preparation	

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PreparationUncertaintyInterval

VALID_VALUE	NOTES
Other_Interval	This interval includes the Result value.
Symmetric_Interval	This interval is centered on the Result value.

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PreparationUncertaintyType

VALID_VALUE	NOTES
Category A	The estimate of the PreparationUncertainty is directly determined using a statistically-based method.
Category B	The estimate of the PreparationUncertainty is directly determined using some other method.

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PreparationUncertaintyUnits

VALID_VALUE	NOTES
Bq	Bq = becquerels
Bq/L	Bq/L = becquerels per liter

Bq/cm2	Bq/cm2 = bequerels per square centimeter
Bq/cm3	Bq/cm3 = bequerels per cubic centimeter
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/m2	Bq/m2 = bequerels per square meter
Bq/m3	Bq/m3 = bequerels per cubic meter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/mg	Bq/mg = becquerels per milligram
Bq/uL	Bq/uL = becquerels per microliter
Gy	Gy = Grays
Gy/d	Gr/d = Grays per day
Gy/h	Gr/h = Grays per hour
Gy/min	Gr/min = Grays per minute
Gy/s	Gy/s = Grays per second
Sv	Sv = Sieverts
Sv/d	Sv/d = Sieverts per day
Sv/h	Sv/h = Sieverts per hour
Sv/min	Sv/min = Sieverts per minute
Sv/s	Sv/s = Sieverts per second
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mBq	mBq = millibecquerels
mBq/L	mBq/L = millibecquerels per liter
mBq/cm2	mBq/cm2 = millibequerels per square centimeter
mBq/cm3	mBq/cm3 = millibequerels per cubic centimeter
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/m2	mBq/m2 = millibequerels per square meter
mBq/m3	mBq/m3 = millibequerels per cubic meter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/uL	mBq/uL = millibecquerels per microliter
mGy	mGy = milliGrays
mGy/d	mGy/d = milliGrays per day
mGy/h	mGy/h = milliGrays per hour

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mGy/min	mGy/min = milliGrays per minute
mGy/s	mGy/s = milliGrays per second
mL/L	mL/L = milliliters per liter
mSv	mSv = milliSieverts
mSv/d	mSv/d = milliSieverts per day
mSv/h	mSv/h = milliSieverts per hour
mSv/min	mSv/min = milliSieverts per minute
mSv/s	mSv/s = milliSieverts per second
mg	mg = milligram
mg/L	mg/L = milligrams per liter
mg/cm2	mg/cm2 = milligrams per square centimeter
mg/cm3	mg/cm3 = milligrams per cubic centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter
mg/m3	mg/m3 – milligrams per cubic meter
mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram
mg/uL	mg/uL = milligrams per microliter
nBq	nBq = nanobecquerels
nBq/L	nBq/L = nanobecquerels per liter
nBq/cm2	nBq/cm2 = nanobequerels per square centimeter
nBq/cm3	nBq/cm3 = nanobequerels per cubic centimeter
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/m2	nBq/m2 = nanobequerels per square meter
nBq/m3	nBq/m3 = nanobequerels per cubic meter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/uL	nBq/uL = nanobecquerels per microliter
nL/L	nL/L = nanoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter

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ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter
pBq	pBq = picobecquerels
pBq/L	pBq/L = picobecquerels per liter
pBq/cm2	pBq/cm2 = picobequerels per square centimeter
pBq/cm3	pBq/cm3 = picobequerels per cubic centimeter
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/m2	pBq/m2 = picobequerels per square meter
pBq/m3	pBq/m3 = picobequerels per cubic meter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/uL	pBq/uL = picobecquerels per microliter
pL/L	pL/L = picoliters per liter
pL/mL	pL/mL = picoliters per milliliter
pg	pg = picograms
pg/L	pg/L = picograms per liter
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uBq	uBq = microbecquerels
uBq/L	uBq/L = microbecquerels per liter
uBq/cm2	uBq/cm2 = microbequerels per square centimeter
uBq/cm3	uBq/cm3 = microbequerels per cubic centimeter
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/m2	uBq/m2 = microbequerels per square meter
uBq/m3	uBq/m3 = microbequerels per cubic meter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/uL	uBq/uL = microbecquerels per microliter
uGy	uGy = microGrays
uGy/d	uGy/d = microGrays per day

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uGy/h	uGy/h = microGrays per hour
uGy/min	uGy/min = microGrays per minute
uGy/s	uGy/s = microGrays per second
uL/L	uL/L = microliters per liter
uL/mL	uL/mL = microliters per milliliter
uSv	uSv = microSieverts
uSv/d	uSv/d = microSieverts per day
uSv/h	uSv/h = microSieverts per hour
uSv/min	uSv/min = microSieverts per minute
uSv/s	uSv/s = microSieverts per second
ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

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QCCategory

VALID_VALUE	NOTES
Blank	
Blank_Spike	
Blank_Spike_Duplicate	
Duplicate	
Serial_Dilution	
Spike	
Spike_Duplicate	

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QCLinkage

VALID_VALUE	NOTES
AnalysisBatch	
CleanupBatch	
EquipmentBatch	
HandlingBatch	
LabReportingBatch	
MethodBatch	

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PreparationBatch

RunBatch

SamplingBatch

ShippingBatch

StorageBatch

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QCType

VALID_VALUE	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	
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	

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Method_Blank	
Method_Instrument_Blank	For USEPA_CLP program only.
Non-Client_Sample	
PT_Sample	
Post_Digestion_Spike	
Quantitation_Limit_Check_ Standard	
Reslope	
Serial_Dilution	
Standard_Reference_Material	
Storage_Blank	

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QuantitationBasis

VALID_VALUE	NOTES
External_Standard	
Internal_Standard	

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QuantitationLimitType

VALID_VALUE	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).
EQL	EQL = Estimated Quantitation Limit as defined by the US Environmental Protection Agency (USEPA). This 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
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).
LCMRL	LCMRL = Lowest Concentration Minimum Reporting Level. This 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_ACS	LOQ_ACS = Limit of Quantitation as defined by the American Chemical Society (ACS) and is roughly equivalent to the ML in numerical terms.
LOQ_ACS_sa	LOQ_ACS_sa = Sample adjusted LOQ_ACS. This is the LOQ_ACS 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_QSM_V4.1	LOQ_QSM_V4.1 = The Limit of Quantitation as defined by the Department of Defense (DOD) Quality System Manual (QSM) Version 4.1. This is the lowest concentration that produces a quantitative result within specified limits of precision and bias.
LOQ_QSM_V4.1_sa	LOQ_QSM_V4.1_sa = Sample adjusted LOQ_QSM_V4.1. This is the LOQ_QSM_V4.1 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	Low_Standard = The concentration of the lowest non-zero calibration standard used to establish the initial calibration curve.

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Lq	Lq = Quantitation Limit as defined by the International Union of Pure and Applied Chemistry (IUPAC) in conjunction with Currie.
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).
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). This 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).
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).

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QuantitationLimitUnits

VALID_VALUE	NOTES
Bq	Bq = becquerels
Bq/L	Bq/L = becquerels per liter
Bq/cm2	Bq/cm2 = bequerels per square centimeter
Bq/cm3	Bq/cm3 = bequerels per cubic centimeter
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/m2	Bq/m2 = bequerels per square meter
Bq/m3	Bq/m3 = bequerels per cubic meter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/mg	Bq/mg = becquerels per milligram
Bq/uL	Bq/uL = becquerels per microliter
Gy	Gy = Grays
Gy/d	Gr/d = Grays per day
Gy/h	Gr/h = Grays per hour
Gy/min	Gr/min = Grays per minute
Gy/s	Gy/s = Grays per second
Sv	Sv = Sieverts
Sv/d	Sv/d = Sieverts per day
Sv/h	Sv/h = Sieverts per hour
Sv/min	Sv/min = Sieverts per minute

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Sv/s	Sv/s = Sieverts per second
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mBq	mBq = millibecquerels
mBq/L	mBq/L = millibecquerels per liter
mBq/cm2	mBq/cm2 = millibequerels per square centimeter
mBq/cm3	mBq/cm3 = millibequerels per cubic centimeter
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/m2	mBq/m2 = millibequerels per square meter
mBq/m3	mBq/m3 = millibequerels per cubic meter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/uL	mBq/uL = millibecquerels per microliter
mGy	mGy = milliGrays
mGy/d	mGy/d = milliGrays per day
mGy/h	mGy/h = milliGrays per hour
mGy/min	mGy/min = milliGrays per minute
mGy/s	mGy/s = milliGrays per second
mL/L	mL/L = milliliters per liter
mSv	mSv = milliSieverts
mSv/d	mSv/d = milliSieverts per day
mSv/h	mSv/h = milliSieverts per hour
mSv/min	mSv/min = milliSieverts per minute
mSv/s	mSv/s = milliSieverts per second
mg	mg = milligram
mg/L	mg/L = milligrams per liter
mg/cm2	mg/cm2 = milligrams per square centimeter
mg/cm3	mg/cm3 = milligrams per cubic centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter
mg/m3	mg/m3 – milligrams per cubic meter
mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram

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mg/uL	mg/uL = milligrams per microliter
nBq	nBq = nanobecquerels
nBq/L	nBq/L = nanobecquerels per liter
nBq/cm2	nBq/cm2 = nanobequerels per square centimeter
nBq/cm3	nBq/cm3 = nanobequerels per cubic centimeter
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/m2	nBq/m2 = nanobequerels per square meter
nBq/m3	nBq/m3 = nanobequerels per cubic meter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/uL	nBq/uL = nanobecquerels per microliter
nL/L	nL/L = nanoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter
pBq	pBq = picobecquerels
pBq/L	pBq/L = picobecquerels per liter
pBq/cm2	pBq/cm2 = picobequerels per square centimeter
pBq/cm3	pBq/cm3 = picobequerels per cubic centimeter
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/m2	pBq/m2 = picobequerels per square meter
pBq/m3	pBq/m3 = picobequerels per cubic meter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/uL	pBq/uL = picobecquerels per microliter
pL/L	pL/L = picoliters per liter
pL/mL	pL/mL = picoliters per milliliter
pg	pg = picograms
pg/L	pg/L = picograms per liter

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pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uBq	uBq = microbecquerels
uBq/L	uBq/L = microbecquerels per liter
uBq/cm2	uBq/cm2 = microbequerels per square centimeter
uBq/cm3	uBq/cm3 = microbequerels per cubic centimeter
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/m2	uBq/m2 = microbequerels per square meter
uBq/m3	uBq/m3 = microbequerels per cubic meter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/uL	uBq/uL = microbecquerels per microliter
uGy	uGy = microGrays
uGy/d	uGy/d = microGrays per day
uGy/h	uGy/h = microGrays per hour
uGy/min	uGy/min = microGrays per minute
uGy/s	uGy/s = microGrays per second
uL/L	uL/L = microliters per liter
uL/mL	uL/mL = microliters per milliliter
uSv	uSv = microSieverts
uSv/d	uSv/d = microSieverts per day
uSv/h	uSv/h = microSieverts per hour
uSv/min	uSv/min = microSieverts per minute
uSv/s	uSv/s = microSieverts per second
ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter

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ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

Quarantine

VALID_VALUE	NOTES
No	
Yes	

ReportingLimitType

VALID_VALUE	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).
EQL	EQL = Estimated Quantitation Limit as defined by the US Environmental Protection Agency (USEPA). This 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
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).
IDL	IDL = Instrument Detection Limit as defined by the US Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) in ILM04.1
LCMRL	LCMRL = Lowest Concentration Minimum Reporting Level. This 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).
LOD_ACS	LOD_ACS = 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 (Lc).
LOD_ACS_sa	LOD_ACS_sa = Sample adjusted LOD_ACS. 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).
LOQ_ACS	LOQ_ACS = Limit of Quantitation as defined by the American Chemical Society (ACS) and is roughly equivalent to the ML in numerical terms.
LOQ_ACS_sa	LOQ_ACS_sa = Sample adjusted LOQ_ACS. This is the LOQ_ACS 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_QSM_V4.1	LOQ_QSM_V4.1 = The Limit of Quantitation as defined by the Department of Defense (DOD) Quality System Manual (QSM) Version 4.1. This is the lowest concentration that produces a quantitative result within specified limits of precision and bias.
LOQ_QSM_V4.1_sa	LOQ_QSM_V4.1_sa = Sample adjusted LOQ_QSM_V4.1. This is the LOQ_QSM_V4.1 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 = Critical value as defined by the International Union of Pure and Applied Chemistry (IUPAC) in conjunction with Currie. The false positive rate (Type I error) is typically set at 1%.

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).
Ld	Ld = Detection Limit as defined by the International Union of Pure and Applied Chemistry (IUPAC) in conjunction with Currie. The false negative rate (Type II error) is typically set at 1%.
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).
Low_Standard	Low_Standard = The concentration of the lowest non-zero calibration standard used to establish the initial calibration curve.
Lq	Lq = Quantitation Limit as defined by the International Union of Pure and Applied Chemistry (IUPAC) in conjunction with Currie.
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).
MDL	MDL = Method Detection Limit as defined by the US Environmental Protection Agency (USEPA) in 40 CFR part 136, Appendix B (49 FR 43234 dated October 26, 1984). The false positive rate (Type I error) is set at 1%.
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).
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). This 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).
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).
RL_QSM_V4.1	RL_QSM_V4.1 = The Reporting Limit as defined by the Department of Defense (DOD) Quality System Manual (QSM) Version 4.1. This is the client-specified lowest concentration value that meets project requirements for quantitative data with known precision an
RL_QSM_V4.1_sa	RL_QSM_V4.1_sa = Sample adjusted RL_QSM_V4.1. This is the RL_QSM_V4.1 adjusted for variable method conditions (e.g., dilutions or amount of sample used) and sample characteristics (e.g., amount of moisture in the sample).

ReportingLimitUnits

VALID_VALUE	NOTES
Bq	Bq = becquerels
Bq/L	Bq/L = becquerels per liter

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Bq/cm2	Bq/cm2 = bequerels per square centimeter
Bq/cm3	Bq/cm3 = bequerels per cubic centimeter
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/m2	Bq/m2 = bequerels per square meter
Bq/m3	Bq/m3 = bequerels per cubic meter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/mg	Bq/mg = becquerels per milligram
Bq/uL	Bq/uL = becquerels per microliter
Gy	Gy = Grays
Gy/d	Gr/d = Grays per day
Gy/h	Gr/h = Grays per hour
Gy/min	Gr/min = Grays per minute
Gy/s	Gy/s = Grays per second
Sv	Sv = Sieverts
Sv/d	Sv/d = Sieverts per day
Sv/h	Sv/h = Sieverts per hour
Sv/min	Sv/min = Sieverts per minute
Sv/s	Sv/s = Sieverts per second
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mBq	mBq = millibecquerels
mBq/L	mBq/L = millibecquerels per liter
mBq/cm2	mBq/cm2 = millibequerels per square centimeter
mBq/cm3	mBq/cm3 = millibequerels per cubic centimeter
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/m2	mBq/m2 = millibequerels per square meter
mBq/m3	mBq/m3 = millibequerels per cubic meter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/uL	mBq/uL = millibecquerels per microliter
mGy	mGy = milliGrays
mGy/d	mGy/d = milliGrays per day
mGy/h	mGy/h = milliGrays per hour

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mGy/min	mGy/min = milliGrays per minute
mGy/s	mGy/s = milliGrays per second
mL/L	mL/L = milliliters per liter
mSv	mSv = milliSieverts
mSv/d	mSv/d = milliSieverts per day
mSv/h	mSv/h = milliSieverts per hour
mSv/min	mSv/min = milliSieverts per minute
mSv/s	mSv/s = milliSieverts per second
mg	mg = milligram
mg/L	mg/L = milligrams per liter
mg/cm2	mg/cm2 = milligrams per square centimeter
mg/cm3	mg/cm3 = milligrams per cubic centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter
mg/m3	mg/m3 – milligrams per cubic meter
mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram
mg/uL	mg/uL = milligrams per microliter
nBq	nBq = nanobecquerels
nBq/L	nBq/L = nanobecquerels per liter
nBq/cm2	nBq/cm2 = nanobequerels per square centimeter
nBq/cm3	nBq/cm3 = nanobequerels per cubic centimeter
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/m2	nBq/m2 = nanobequerels per square meter
nBq/m3	nBq/m3 = nanobequerels per cubic meter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/uL	nBq/uL = nanobecquerels per microliter
nL/L	nL/L = nanoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter

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ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter
pBq	pBq = picobecquerels
pBq/L	pBq/L = picobecquerels per liter
pBq/cm2	pBq/cm2 = picobequerels per square centimeter
pBq/cm3	pBq/cm3 = picobequerels per cubic centimeter
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/m2	pBq/m2 = picobequerels per square meter
pBq/m3	pBq/m3 = picobequerels per cubic meter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/uL	pBq/uL = picobecquerels per microliter
pL/L	pL/L = picoliters per liter
pL/mL	pL/mL = picoliters per milliliter
pg	pg = picograms
pg/L	pg/L = picograms per liter
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uBq	uBq = microbecquerels
uBq/L	uBq/L = microbecquerels per liter
uBq/cm2	uBq/cm2 = microbequerels per square centimeter
uBq/cm3	uBq/cm3 = microbequerels per cubic centimeter
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/m2	uBq/m2 = microbequerels per square meter
uBq/m3	uBq/m3 = microbequerels per cubic meter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/uL	uBq/uL = microbecquerels per microliter
uGy	uGy = microGrays
uGy/d	uGy/d = microGrays per day

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uGy/h	uGy/h = microGrays per hour
uGy/min	uGy/min = microGrays per minute
uGy/s	uGy/s = microGrays per second
uL/L	uL/L = microliters per liter
uL/mL	uL/mL = microliters per milliliter
uSv	uSv = microSieverts
uSv/d	uSv/d = microSieverts per day
uSv/h	uSv/h = microSieverts per hour
uSv/min	uSv/min = microSieverts per minute
uSv/s	uSv/s = microSieverts per second
ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

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ResolutionLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Peak Width at 10% Peak Height	
Peak Width at 5% Peak Height	
Vendor	

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ResolutionUnits

VALID_VALUE	NOTES
Percent	
u	u = Unified atomic mass units

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ResponseLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	

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Vendor

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ResponseType

VALID_VALUE	NOTES
Corrected	Corrected
Corrected:Bkg;Blk;IEC;IS	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
Not_Corrected	Not Corrected

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ResponseUnits

VALID_VALUE	NOTES
Absorbance	
Abundance	
Analog_ICPS	Analog_ICPS = Analog Intensity Counts Per Second
Counts	
Peak_Area	
Peak_Height	
Pulse_Counting_ICPS	Pulse_Counting_ICPS = Pulse Counting Intensity Counts Per Second
uAbsorbance	

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ResultBasis

VALID_VALUE	NOTES
Dissolved	The aqueous result is being reported on a 'Dissolved' basis, and was analyzed after it was filtered.
Dry	The solid result is being reported on a 'Dry'-weight basis, corrected for moisture.
Leachate	The aqueous result is being reported on a 'Leachate' basis from a solid sample extracted by TCLP or SPLP.
Total	The aqueous result is being reported on a 'Total' basis, and was analyzed as collected.
Wet	The solid result is being reported on a 'Wet'-weight basis, uncorrected for moisture.

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ResultLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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ResultType

VALID_VALUE	NOTES
<	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.
=	The analyte has been detected and its concentration is equal to the value reported.

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>	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.
Absent	
Fail	
Negative	
Not_Detected	
Not_Required	
Pass	
Positive	
Present	

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ResultUncertaintyIntervalType

VALID_VALUE	NOTES
Other_Interval	This interval includes the Result.
Symmetric_Interval	This interval is centered on the Result.

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ResultUncertaintyType

VALID_VALUE	NOTES
Category A	The estimate of the ResultUncertainty is directly determined using a statistically-based method.
Category B	The estimate of the ResultUncertainty is directly determined using some other method.

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ResultUncertaintyUnits

VALID_VALUE	NOTES
Bq	Bq = becquerels
Bq/L	Bq/L = becquerels per liter
Bq/cm2	Bq/cm2 = bequerels per square centimeter
Bq/cm3	Bq/cm3 = bequerels per cubic centimeter
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/m2	Bq/m2 = bequerels per square meter
Bq/m3	Bq/m3 = bequerels per cubic meter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/mg	Bq/mg = becquerels per milligram
Bq/uL	Bq/uL = becquerels per microliter
Gy	Gy = Grays
Gy/d	Gr/d = Grays per day
Gy/h	Gr/h = Grays per hour
Gy/min	Gr/min = Grays per minute
Gy/s	Gy/s = Grays per second
Sv	Sv = Sieverts
Sv/d	Sv/d = Sieverts per day

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Sv/h	Sv/h = Sieverts per hour
Sv/min	Sv/min = Sieverts per minute
Sv/s	Sv/s = Sieverts per second
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mBq	mBq = millibecquerels
mBq/L	mBq/L = millibecquerels per liter
mBq/cm2	mBq/cm2 = millibequerels per square centimeter
mBq/cm3	mBq/cm3 = millibequerels per cubic centimeter
mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/m2	mBq/m2 = millibequerels per square meter
mBq/m3	mBq/m3 = millibequerels per cubic meter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/uL	mBq/uL = millibecquerels per microliter
mGy	mGy = milliGrays
mGy/d	mGy/d = milliGrays per day
mGy/h	mGy/h = milliGrays per hour
mGy/min	mGy/min = milliGrays per minute
mGy/s	mGy/s = milliGrays per second
mL/L	mL/L = milliliters per liter
mSv	mSv = milliSieverts
mSv/d	mSv/d = milliSieverts per day
mSv/h	mSv/h = milliSieverts per hour
mSv/min	mSv/min = milliSieverts per minute
mSv/s	mSv/s = milliSieverts per second
mg	mg = milligram
mg/L	mg/L = milligrams per liter
mg/cm2	mg/cm2 = milligrams per square centimeter
mg/cm3	mg/cm3 = milligrams per cubic centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter
mg/m3	mg/m3 - milligrams per cubic meter

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mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram
mg/uL	mg/uL = milligrams per microliter
nBq	nBq = nanobecquerels
nBq/L	nBq/L = nanobecquerels per liter
nBq/cm2	nBq/cm2 = nanobequerels per square centimeter
nBq/cm3	nBq/cm3 = nanobequerels per cubic centimeter
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/m2	nBq/m2 = nanobequerels per square meter
nBq/m3	nBq/m3 = nanobequerels per cubic meter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/uL	nBq/uL = nanobecquerels per microliter
nL/L	nL/L = nanoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter
pBq	pBq = picobecquerels
pBq/L	pBq/L = picobecquerels per liter
pBq/cm2	pBq/cm2 = picobequerels per square centimeter
pBq/cm3	pBq/cm3 = picobequerels per cubic centimeter
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/m2	pBq/m2 = picobequerels per square meter
pBq/m3	pBq/m3 = picobequerels per cubic meter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/uL	pBq/uL = picobecquerels per microliter
pL/L	pL/L = picoliters per liter
pL/mL	pL/mL = picoliters per milliliter

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pg	pg = picograms
pg/L	pg/L = picograms per liter
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uBq	uBq = microbecquerels
uBq/L	uBq/L = microbecquerels per liter
uBq/cm2	uBq/cm2 = microbequerels per square centimeter
uBq/cm3	uBq/cm3 = microbequerels per cubic centimeter
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/m2	uBq/m2 = microbequerels per square meter
uBq/m3	uBq/m3 = microbequerels per cubic meter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/uL	uBq/uL = microbecquerels per microliter
uGy	uGy = microGrays
uGy/d	uGy/d = microGrays per day
uGy/h	uGy/h = microGrays per hour
uGy/min	uGy/min = microGrays per minute
uGy/s	uGy/s = microGrays per second
uL/L	uL/L = microliters per liter
uL/mL	uL/mL = microliters per milliliter
uSv	uSv = microSieverts
uSv/d	uSv/d = microSieverts per day
uSv/h	uSv/h = microSieverts per hour
uSv/min	uSv/min = microSieverts per minute
uSv/s	uSv/s = microSieverts per second
ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram

ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

ResultUnits

VALID_VALUE	NOTES
Bq	Bq = becquerels
Bq/L	Bq/L = becquerels per liter
Bq/cm2	Bq/cm2 = bequerels per square centimeter
Bq/cm3	Bq/cm3 = bequerels per cubic centimeter
Bq/g	Bq/g = becquerels per gram
Bq/kg	Bq/kg = becquerels per kilogram
Bq/m2	Bq/m2 = bequerels per square meter
Bq/m3	Bq/m3 = bequerels per cubic meter
Bq/mL	Bq/mL = becquerels per milliliter
Bq/mg	Bq/mg = becquerels per milligram
Bq/uL	Bq/uL = becquerels per microliter
Gy	Gy = Grays
Gy/d	Gr/d = Grays per day
Gy/h	Gr/h = Grays per hour
Gy/min	Gr/min = Grays per minute
Gy/s	Gy/s = Grays per second
Sv	Sv = Sieverts
Sv/d	Sv/d = Sieverts per day
Sv/h	Sv/h = Sieverts per hour
Sv/min	Sv/min = Sieverts per minute
Sv/s	Sv/s = Sieverts per second
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mBq	mBq = millibecquerels
mBq/L	mBq/L = millibecquerels per liter
mBq/cm2	mBq/cm2 = millibequerels per square centimeter
mBq/cm3	mBq/cm3 = millibequerels per cubic centimeter

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mBq/g	mBq/g = millibecquerels per gram
mBq/kg	mBq/kg = millibecquerels per kilogram
mBq/m2	mBq/m2 = millibequerels per square meter
mBq/m3	mBq/m3 = millibequerels per cubic meter
mBq/mL	mBq/mL = millibecquerels per milliliter
mBq/mg	mBq/mg = millibecquerels per milligram
mBq/uL	mBq/uL = millibecquerels per microliter
mGy	mGy = milliGrays
mGy/d	mGy/d = milliGrays per day
mGy/h	mGy/h = milliGrays per hour
mGy/min	mGy/min = milliGrays per minute
mGy/s	mGy/s = milliGrays per second
mL/L	mL/L = milliliters per liter
mSv	mSv = milliSieverts
mSv/d	mSv/d = milliSieverts per day
mSv/h	mSv/h = milliSieverts per hour
mSv/min	mSv/min = milliSieverts per minute
mSv/s	mSv/s = milliSieverts per second
mg	mg = milligram
mg/L	mg/L = milligrams per liter
mg/cm2	mg/cm2 = milligrams per square centimeter
mg/cm3	mg/cm3 = milligrams per cubic centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter
mg/m3	mg/m3 – milligrams per cubic meter
mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram
mg/uL	mg/uL = milligrams per microliter
nBq	nBq = nanobecquerels
nBq/L	nBq/L = nanobecquerels per liter
nBq/cm2	nBq/cm2 = nanobequerels per square centimeter
nBq/cm3	nBq/cm3 = nanobequerels per cubic centimeter
nBq/g	nBq/g = nanobecquerels per gram
nBq/kg	nBq/kg = nanobecquerels per kilogram
nBq/m2	nBq/m2 = nanobequerels per square meter
nBq/m3	nBq/m3 = nanobequerels per cubic meter
nBq/mL	nBq/mL = nanobecquerels per milliliter
nBq/mg	nBq/mg = nanobecquerels per milligram
nBq/uL	nBq/uL = nanobecquerels per microliter

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nL/L	nL/L = nanoliters per liter
nL/mL	nL/mL = nanoliters per milliliter
ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter
pBq	pBq = picobecquerels
pBq/L	pBq/L = picobecquerels per liter
pBq/cm2	pBq/cm2 = picobequerels per square centimeter
pBq/cm3	pBq/cm3 = picobequerels per cubic centimeter
pBq/g	pBq/g = picobecquerels per gram
pBq/kg	pBq/kg = picobecquerels per kilogram
pBq/m2	pBq/m2 = picobequerels per square meter
pBq/m3	pBq/m3 = picobequerels per cubic meter
pBq/mL	pBq/mL = picobecquerels per milliliter
pBq/mg	pBq/mg = picobecquerels per milligram
pBq/uL	pBq/uL = picobecquerels per microliter
pL/L	pL/L = picoliters per liter
pL/mL	pL/mL = picoliters per milliliter
pg	pg = picograms
pg/L	pg/L = picograms per liter
pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uBq	uBq = microbecquerels
uBq/L	uBq/L = microbecquerels per liter
uBq/cm2	uBq/cm2 = microbequerels per square centimeter

uBq/cm3	uBq/cm3 = microbequerels per cubic centimeter
uBq/g	uBq/g = microbecquerels per gram
uBq/kg	uBq/kg = microbecquerels per kilogram
uBq/m2	uBq/m2 = microbequerels per square meter
uBq/m3	uBq/m3 = microbequerels per cubic meter
uBq/mL	uBq/mL = microbecquerels per milliliter
uBq/mg	uBq/mg = microbecquerels per milligram
uBq/uL	uBq/uL = microbecquerels per microliter
uGy	uGy = microGrays
uGy/d	uGy/d = microGrays per day
uGy/h	uGy/h = microGrays per hour
uGy/min	uGy/min = microGrays per minute
uGy/s	uGy/s = microGrays per second
uL/L	uL/L = microliters per liter
uL/mL	uL/mL = microliters per milliliter
uSv	uSv = microSieverts
uSv/d	uSv/d = microSieverts per day
uSv/h	uSv/h = microSieverts per hour
uSv/min	uSv/min = microSieverts per minute
uSv/s	uSv/s = microSieverts per second
ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

RetentionTimeLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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RetentionTimeUnits

VALID_VALUE	NOTES
d	d = days
h	h = hours
min	min = minutes
ms	ms = milliseconds
s	s = seconds
us	us = microseconds

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RPDLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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RPDType

VALID_VALUE	NOTES
Not_Calculable	

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RRFLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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SampleAmountUnits

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

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| ug | ug = micrograms |

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StandardConcentrationUnits

VALID_VALUE	NOTES
g	g = grams
g/L	g/L = grams per liter
g/g	g/g = grams per gram
g/kg	g/kg = grams per kilogram
g/mL	g/mL = grams per milliliter
g/mg	g/mg = grams per milligram
g/uL	g/uL = grams per microliter
mL/L	mL/L = milliLiters per Liter
mg	mg = milligram
mg/L	mg/L = milligrams per liter
mg/cm2	mg/cm2 = milligrams per square centimeter
mg/cm3	mg/cm3 = milligrams per cubic centimeter
mg/g	mg/g = milligrams per gram
mg/kg	mg/kg = milligrams per kilogram
mg/m2	mg/m2 = milligrams per square meter
mg/m3	mg/m3 - milligrams per cubic meter
mg/mL	mg/mL = milligrams per milliliter
mg/mg	mg/mg = milligrams per milligram
mg/uL	mg/uL = milligrams per microliter
nL/L	nL/L = nanoLiters per Liter
nL/mL	nL/mL = nanoLiters per milliLiter
ng	ng = nanograms
ng/L	ng/L = nanograms per liter
ng/cm2	ng/cm2 = nanograms per square centimeter
ng/cm3	ng/cm3 = nanograms per cubic centimeter
ng/g	ng/g = nanograms per gram
ng/kg	ng/kg = nanograms per kilogram
ng/m2	ng/m2 = nanograms per square meter
ng/m3	ng/m3 = nanograms per cubic meter
ng/mL	ng/mL = nanograms per milliliter
ng/mg	ng/mg = nanograms per milligram
ng/uL	ng/uL = nanograms per microliter
pL/L	pL/L = picoLiters per Liter
pL/mL	pL/mL = picoLiters per milliLiter
pg	pg = picograms
pg/L	pg/L = picograms per liter

pg/cm2	pg/cm2 = picograms per square centimeter
pg/cm3	pg/cm3 = picograms per cubic centimeter
pg/g	pg/g = picograms per gram
pg/kg	pg/kg = picograms per kilogram
pg/m2	pg/m2 = picograms per square meter
pg/m3	pg/m3 = picograms per cubic meter
pg/mL	pg/mL = picograms per milliliter
pg/mg	pg/mg = picograms per milligram
pg/uL	pg/uL = picograms per microliter
uL/L	uL/L = microLiters per Liter
uL/mL	uL/mL = microLiters per milliLiter
ug	ug = micrograms
ug/L	ug/L = micrograms per liter
ug/cm2	ug/cm2 = micrograms per square centimeter
ug/cm3	ug/cm3 = micrograms per cubic centimeter
ug/g	ug/g = micrograms per gram
ug/kg	ug/kg = micrograms per kilogram
ug/m2	ug/m2 = micrograms per square meter
ug/m3	ug/m3 = micrograms per cubic meter
ug/mL	ug/mL = micrograms per milliliter
ug/mg	ug/mg = micrograms per milligram
ug/uL	ug/uL = micrograms per microliter

StandardFinalAmountUnits

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

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TailingFactorLimitType

VALID_VALUE	NOTES
Client	
Laboratory	
Method	
Vendor	

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TemperatureUnits

VALID_VALUE	NOTES
C	C = Celsius
F	F = Fahrenheit
K	K = Kelvin

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WavelengthUnits

VALID_VALUE	NOTES
Angstroms	
nm	nm = nanometers

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WeightingFactor

VALID_VALUE	NOTES
Inverse_Of_Concentration	To be used under the AnalysisGroup node only.
Inverse_Square_Of_Concentration	To be used under the AnalysisGroup node only.
Manual	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.
None	To be used under the AnalysisGroup node only.

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