

Field Title	Field Name	Data Type	Description
Project	ProjectName	Plain Text	The project to which the sample result is associated. Generally the Project is the purpose of the monitoring. One or more stations are associated with a project though a station may be associated with multiple projects. One or more projects are associated with a parent project and one or more parent projects are associated to a program. For monitoring that occurs over several years, the project name usually contains a time element of the larger parent project or program. A list of possible options is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=ProjectLookUp
Station Name	StationName	Plain Text	Represents a unique sampling site. A single waterbody may have multiple stations. Station name is unique for all stations. A complete list of stations and station information is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=StationLookUp
Station Code	StationCode	Plain Text	A unique code representing the Station Name and site. A complete list of stations and station information is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=StationLookUp
Sample Date	SampleDate	Date/Time	Refers to the date the sample was collected in the field. Default value equals 01/01/1950 for unknown or null values.
Collection Time	CollectionTime	Date/Time	Refers to the time when the first sample of a sampling event at a specific station was collected in the field. Format equals hh:mm. Default value equals 00:00 if unknown.
Location Code	LocationCode	Plain Text	Describes the physical location in the waterbody where the sample was collected. One sampling event may have a single or multiple locations. The default value of Not Recorded is utilized for environmental samples if unknown. A complete list of Location Codes is available at http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=LocationLookUp .
Collection Depth	CollectionDepth	Number	Records the depth or penetration, from the surface in the water or sediment column, at which the sample was collected.
Unit Collection Depth	UnitCollectionDepth	Plain Text	Refers to the units used in the CollectionDepth including cm (centimeters) and m (meters).

Sample Type Code	SampleTypeCode	Plain Text	Refers to the type of sample collected or analyzed. Default value equals Not Recorded if unknown. A list of possible options is at http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=SampleTypeLookUp .
Replicate	CollectionReplicate	Number	Used to distinguish between replicates created at a single collection in the field. Default value is 1. Replicate samples are collected at the same station and date. Therefore, samples collected on different dates from the same station should both have a value of 1 for FieldReplicate.
Lab Replicate	ResultReplicate	Number	Used to distinguish between replicates created in the laboratory. It differentiates the original field sample that was analyzed from all subsequent laboratory duplicates. Default is 1.
Lab Batch	LabBatch	Plain Text	The LabBatch is a unique code, provided by the laboratory, which represents a group of samples processed together. It groups all environmental samples with their supporting QC samples and will be used to verify completeness. This field is the primary key to ensure record uniqueness. To ensure uniqueness in the CEDEN system, the LabAgencyCode may be appended to this value when loaded to CEDEN. Please use a standard format to construct a composite Lab Batch. Format as LabBatch a dash – and the AgencyCode. Example: Batch1-SCCWRP.
Lab Sample ID	LabSampleID	Plain Text	Recommended field intended to provide lab specific identification for an analyzed sample.
Matrix	MatrixName	Plain Text	Refers to the sample matrix, e.g. samplewater. Default value equals Not Recorded if unknown. A list of possible options is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=MatrixLookUp
Method	Method	Plain Text	Refers to the analysis method used by the laboratory to analyze the sample. Default value equals Not Recorded if unknown. A list of possible options is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=MethodLookUp

Analyte	Analyte	Plain Text	Name of the analyte or parameter for which the analysis is conducted and result is reported. A list of possible options is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=AnalyteLookUp
Unit	Unit	Plain Text	Indicates the units used in the measurement of the Analyte. A list of possible options is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=UnitLookUp
Result	Result	Number	Numeric result of test. Result may be left blank as long as an appropriate ResQualCode is provided.
Result Qualifier	ResQualCode	Plain Text	The Result Qualifier Code or ResultQualCode qualifies the analytical result of the sample. Default value equals “=”. A list of possible options is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=ResQualLookUp
Method Detection Limit	MDL	Number	The MDL (method detection limit) is the lowest possible calculated detection limit associated with a given method and analyte. The MDL should be reported on the lab summary sheet with the associated measured result. If an MDL is not listed on the lab summary sheet, then the default value should be ‘-88’ with a QACode of ‘NMDL’.
Reporting Limit	RL	Number	Minimum value below which data are documented as non-quantifiable. It is the reporting limit for the sample analyzed, as determined by the laboratory. Default value of ‘-88’ is utilized for analytes such as surrogates.
Quality Assurance Code	QACode	Plain Text	Applied to the result to describe any special conditions, situations or outliers that occurred during or prior to the analysis to achieve the result. The default code, indicating no special conditions, is ‘None’. If more than one code needs to be applied to a record, the convention is to list them in alphabetical order separated by commas and no spaces. Default value equals NR if unknown. A list of possible options is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=QALookUp

Batch Verification	BatchVerification	Plain Text	Unique code referencing the Verification of a Batch. Default value equals NR if unknown. A list of possible options is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=BatchVerificationLookUp
Compliance Code	ComplianceCode	Plain Text	Unique code referencing the compliance with the associated Quality Assurance Project Plan (QAPP). Default value equals NR if unknown. A list of possible options is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=ComplianceLookUp .
Lab Result Comments	ResultComments	Plain Text	Holds any comments related to the tissue results or analysis of the sample.
Lab Batch Comments	BatchComments	Plain Text	LabBatchComments records any comments relating to the LabBatch as a whole. Comments should explain any irregularities in sample processing.
Collection Method Name	CollectionMethodName	Plain Text	Refers to the general method of collection such as Sed_Grab, Sed_Core, Water_Grab, Autosampler24h, Autosampler7d. The default value of Not Recorded is utilized for environmental samples if unknown. A list of possible options can be found at http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=CollectionMethodLookUp .
Target Latitude	TargetLatitude	Number	Represents the targeted latitude for the sample site in decimal degrees.
Target Longitude	TargetLongitude	Number	Represents the targeted longitude for the sample site in decimal degrees (must be negative).
Preparation Preservation Name	PrepPreservationName	Plain Text	References the preparation or preservation method performed on the samples prior to analysis. Default value equals Not Recorded if unknown. A list of possible options is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=PrepPreservationLookUp .
Preparation Preservation Date	PrepPreservationDate	Date/Time	Date and time the preparation or preservation was started. Default value equals 01/Jan/1950 00:00 for unknown or null values.

Digest/Extraction Method	DigestExtractMethod	Plain Text	References the digestion or extraction method performed on the sample prior to analysis. Default value equals Not Recorded if unknown. A list of possible options is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=DigestExtractLookUp
Digest/Extraction Method Date	DigestExtractDate	Date/Time	Date and time the digestion or extraction was started. Default value equals 01/Jan/1950 00:00 for unknown or null values.
Analysis Date	AnalysisDate	Date/Time	Date and time the sample was processed on the analytical instrument. Formatted as dd/mmm/yyyy hh:mm. Default value equals 01/Jan/1950 00:00 if unknown.
Lab Agency	LabAgency	Plain Text	LabAgencyCode refers to the organization, agency or laboratory that performed the analysis on the sample. Default value equals Not Recorded if unknown. A list of possible agencies is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=AgencyLookUp
Submitting Agency	SubmittingAgency	Plain Text	Organization or agency that is responsible for submission of the data to the database. This agency may be different from LabAgency if the toxicity tests were subcontracted to another agency. A list of possible options is available at: http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=AgencyLookUp
Lab Submission Code	SubmissionCode	Plain Text	The LabSubmissionCode is a unique batch qualifier code assigned to the LabBatch as a whole by the analyzing laboratory which references the quality of the data in the LabBatch. The LabSubmissionCode should be reviewed by the Project Manager or other appropriate person to ensure that the code has been applied based on project specific data quality objectives and criteria. Default value equals NR if unknown. A list of possible options can be found at http://ceden.org/CEDEN_Checker/Checker/DisplayCEDENLookUp.php?List=LabSubmissionLookUp .
Sample ID	SampleID	Plain Text	Unique identifier supplied by the organization directing the sampling or sampling agency and is used to track the sample throughout the sampling and analysis processes. This field can be used to tie a result to the sample.
Location	Location 1	Location	Latitude and longitude of the station sampled.