

Add Title 27, Division 3, Subdivision 2, Chapters 1 and 2 of the California Code of Regulations:

Chapter 1
LABORATORY REPORTING

ACRONYMS

<u>ASCII</u>	<u>American Standard Code (for) Information Interchange</u>
<u>CAS</u>	<u>Chemical Abstract Service</u>
<u>CL</u>	<u>Control Limit</u>
<u>COC</u>	<u>Chain-of-Custody</u>
<u>COELT</u>	<u>U.S. Army Corps of Engineers Loading Tool</u>
<u>CSV</u>	<u>Comma Separated Values (AKA Comma/Quote Delimited)</u>
<u>EDCC</u>	<u>Electronic Deliverable Consistency Checker</u>
<u>EDD</u>	<u>Electronic Data Deliverable</u>
<u>EDF</u>	<u>The Electronic Deliverable Format™</u>
<u>FK</u>	<u>Foreign Key</u>
<u>LIMS</u>	<u>Laboratory Information Management System</u>
<u>NA</u>	<u>Not Applicable</u>
<u>NC</u>	<u>Non-Client</u>
<u>ND</u>	<u>Non-Detected</u>
<u>PK</u>	<u>Primary Key</u>
<u>QA</u>	<u>Quality Assurance</u>
<u>QC</u>	<u>Quality Control</u>
<u>RPD</u>	<u>Relative Percent Difference</u>
<u>VVL</u>	<u>Valid Value List</u>

Chapter 1 LABORATORY ELECTRONIC REPORTING

1. EDF – Electronic Deliverable Format

ID	Element (FIELD NAME)	Criteria	Length	Type	Definition
3000	Global ID (GLOBAL ID)		12	AN	The unique identifier for a regulated facility or site.
3001	Field Point Name (FIELD_PT_NAME)		15	AN	The unique name of the field location where the sample/field measurement has been collected.
3002	Field Point Class (FIELD_PT_CLASS)	Valid Values	5	AN	The code representing the type of field/survey point.
3003	Analysis Date (ANADATE)	YYYYMMDD	8	D	The date the sample (aliquot, extract, digest and/or leachate) is analyzed.
3004	Analytical Method (ANMCODE)	Valid Values	7	AN	The code identifying the method of analysis.
3005	Approved By (APPRVD)		3	AN	The initials of the individual approving the entire laboratory report, or a single analysis.
3006	Basis (BASIS)	Valid Values	1	AN	The code used to distinguish whether a sample is reported as dry or wet weight, filtered or not filtered.
3007	Control Limit Type (CLCODE)	Valid Values	6	AN	The code identifying the type of quality control limit.
3008	Cleanup Method (CLEANUP)	Valid Values	15	AN	The code identifying the method of cleanup performed.
3009	Control Limit Revision Date (CLREVDATE)		8	D	The date a control limit is established.
3010	Chain-of-Custody Matrix (COC_MATRIX)	Valid Values	2	AN	The code identifying the sample matrix as noted on the chain-of-custody (e.g., water, soil, etc.).
3011	Chain-of-Custody Number (COCNUM)		16	AN	The number assigned to the chain-of-custody.
3012	Cooler ID (COOLER_ID)		25	AN	The unique identifier representing a cooler used to transport samples from the field to the lab.
3013	Dilution Factor (DILFAC)		10	N	The numeric factor indicating the level of sample dilution.
3014	Data Quality Objectives ID (DOO_ID)		25	AN	The unique identifier representing the data quality objectives.
3015	Preparation Method (EXMCODE)	Valid Values	7	AN	The code identifying the method of preparation.
3016	Expected Parameter Value (EXPECTED)		14	N	The target result for a quality control sample or surrogate spike.
3017	Preparation Date (EXTDATE)	YYYYMMDD	8	D	The date that a sample is prepared for analysis.
3018	Lab Method Group (LAB METH_GRP)		25	AN	The unique identifier for a group of methods as defined by the laboratory.
3019	Laboratory Report Number (LAB_REPNO)		20	AN	The unique identifier for the laboratory report, assigned by the laboratory.
3020	Laboratory (LABCODE)	Valid Values	4	AN	The code identifying the laboratory that receives the sample.
3021	Method Detection Limit (LABDL)		9	N	The laboratory-established method detection limit (MDL) as determined using procedures outlined in 40 CFR, Part 136, Appendix B (or by equivalent statistical means), and adjusted for dilution.

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ID	Element (FIELD NAME)	Criteria	Length	Type	Definition
3022	Preparation Batch Number (LABLOTCTL)		25	AN	The unique identifier for a preparation and handling batch that groups the client samples with the QC samples with which they were prepared.
3023	Laboratory QC Sample ID (LABQCID)		25	AN	The unique identification number assigned to a quality control sample by the laboratory.
3024	Laboratory Reference ID (LABREFID)		25	AN	The laboratory sample ID of the quality control reference sample.
3025	Laboratory Sample ID (LABSAMPID)		25	AN	The unique identification number assigned to the sample by the laboratory.
3026	Work Order Number (LABWO)		7	AN	A delivery order number associated with the contract.
3027	Leach Method (LCHMETH)	Valid Values	10	AN	The code identifying the method of leaching.
3028	Laboratory Notes (LNOTE)	Valid Values	20	AN	The code identifying notes pertaining to analytical performance irregularities that apply to the entire test.
3029	Field Organization (LOGCODE)	Valid Values	4	AN	The code identifying the company collecting the samples or performing field tests.
3030	Collection Date (LOGDATE)	YYYYMMDD	8	D	The date a field sample is collected.
3031	Collection Time (LOGTIME)	HHMM	4	AN	The time that a field sample is collected, recorded using 24-hour military time.
3032	Lower Control Limit (LOWERCL)		4	N	The lower control limit of a quality control criterion.
3033	Laboratory Matrix (MATRIX)	Valid Values	2	AN	The code identifying the sample matrix as determined by the laboratory (e.g., water, soil, etc.); the matrix of the reported result.
3034	Method Design ID (METH_DESIGN_ID)		25	AN	The unique identifier for the design of an analytical method.
3035	Modified Parameter List (MODPARLIST)		1	L	A field indicating whether the parameter list of an analytical method has been modified.
3036	Parameter (PARLABEL)	Valid Values	12	AN	The code or CAS number identifying the analyte (parameter).
3037	Parameter Uncertainty (PARUN)		12	N	The uncertainty of a measured value due to a measuring technique (expressed as plus or minus some value).
3038	Parameter Value (PARVAL)		14	N14	The analytical value for a compound, analyte, or physical parameter.
3039	Parameter Value Qualifier (PARVQ)	Valid Values	2	AN	The code identifying the qualifier of an analytical result (e.g., greater than, equal to, etc.).
3040	Preservative (PRESCODE)	Valid Values	15	AN	The code identifying the type of preservative added to the sample.
3041	Procedure Name (PROCEDURE_NAME)		240	AN	The method title for an analysis or group of analyses as defined by the analysis laboratory.
3042	Project Name (PROJNAME)		25	AN	The identification assigned to the project by the organization performing the work.
3043	Primary Value Type (PVCCODE)	Valid Values	2	AN	The code identifying whether a sample result is a primary or a confirmatory value.

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ID	Element (FIELD NAME)	Criteria	Length	Type	Definition
3044	QC Type (<u>OCCODE</u>)	Valid Values	3	AN	The code identifying the type of sample (e.g., laboratory-generated, environmental, etc.).
3045	Received Date (<u>RECDATE</u>)	YYYYMMDD	8	D	The date the sample is received by the laboratory doing the analysis.
3046	Report Date (<u>REP_DATE</u>)	YYYYMMDD	8	D	The date of the laboratory report.
3047	Reporting Limit (<u>REPDL</u>)		9	N	The laboratory-established reporting limit, as defined by <u>REPDLVQ</u> , adjusted for the particular sample preparation (e.g., weight, volume, or dilution).
3048	Reporting Limit Qualifier (<u>REPDLVQ</u>)	Valid Values	3	AN	The code identifying the type of reporting limit entered into <u>REPDL</u> (e.g., practical quantitation limit, instrument detection limit, etc.).
3049	Requested Method Group (<u>REQ_METHOD_GRP</u>)		25	AN	The unique identifier for the method or group of methods requested by the client for analysis of the sample.
3050	Results Free Field 1 (<u>RES_FF_1</u>)		25	AN	Results free-entry field 1.
3051	Results Free Field 2 (<u>RES_FF_2</u>)		25	AN	Results free-entry field 2.
3052	Results Free Field 3 (<u>RES_FF_3</u>)		25	AN	Results free-entry field 3.
3053	Results Free Field 4 (<u>RES_FF_4</u>)		25	AN	Results free-entry field 4.
3054	Results Free Field 5 (<u>RES_FF_5</u>)		25	AN	Results free-entry field 5.
3055	Laboratory Result Notes (<u>RLNOTE</u>)	Valid Values	20	AN	The code identifying notes pertaining to analytical performance irregularities that apply to a single analyte.
3056	Retention Time (<u>RT</u>)		7	N	The retention time of a tentatively identified compound (TIC), reported in minutes (min).
3057	Run Number (<u>RUN_NUMBER</u>)		2	N	The numeric code distinguishing multiple or repeat analysis of a sample by the same method on the same day.
3058	Chain-of-Custody Sample ID (<u>SAMPID</u>)		25	AN	The unique identifier representing a sample, assigned by the consultant, as submitted to the laboratory on a chain-of-custody.
3059	Standard Reference Material (<u>SRM</u>)	Valid Values	12	AN	The code identifying the standard reference material used in the analysis.
3060	Subcontracted Laboratory (<u>SUB</u>)	Valid Values	4	AN	The code identifying the subcontracted laboratory.
3061	Laboratory Test Notes (<u>TLNOTE</u>)	Valid Values	20	AN	The code identifying notes pertaining to analytical performance irregularities that apply to the entire test.
3062	Units of Measure (<u>UNITS</u>)	Valid Values	10	AN	The units for the parameter value measurement.
3063	Upper Control Limit (<u>UPPERCL</u>)		4	N	The upper control limit of a quality control criterion.
3064	User Administrative ID (<u>USER_ADMIN_ID</u>)		25	AN	A user-defined administrative field.

Chapter 2
WELL AND SITE INFORMATION ELECTRONIC REPORTING Data Dictionaries

Chapter 2 WELL AND SITE INFORMATION ELECTRONIC REPORTING					
1. GEO XY – Location Measurement					
ID	Element (FIELD NAME)	Criteria	Length	Type	Definition
3000	Global ID (GLOBAL_ID)	Valid Values	12	AN	The unique identifier for a regulated facility or site.
3001	Field Point Name (FIELD_PT_NAME)	Valid Values	15	AN	The unique name of the field location where the sample/field measurement has been collected.
3002	Field Point Class (FIELD_PT_CLASS)	Valid Values	5	AN	The code representing the type of field/survey point.
3200	XY Survey Date (XY_SURVEY_DATE)	MM/DD/YYYY	10	D	The date on which the latitude & longitude coordinates were measured.
3201	Latitude (LATITUDE)		15	N	The latitude (Y coordinate) of the survey point, measured in decimal degrees, and reported to 7 decimal points.
3202	Longitude (LONGITUDE)		15	N	The longitude (X coordinate) of the survey point, measured in decimal degrees, and reported to 7 decimal points.
3203	XY Survey Method (XY_METHOD)	Valid Values	5	AN	The code representing the survey method by which the latitude/longitude measurements were collected.
3204	XY Datum (XY_DATUM)	Valid Values	5	AN	The code representing the datum from which the latitude/longitude coordinates were determined.
3205	XY Accuracy Value (XY_ACC_VAL)		15	N	The accuracy range (+/-) of the latitude and longitude reported in centimeters at a 95% confidence interval.
3206	XY Survey Organization Name (XY_SURVEY_ORG)		35	AN	The name of the organization who collected the latitude/longitude coordinates.
3207	GPS Survey Equipment (GPS_EQUIP_TYPE)	Valid Values	100	AN	The name of the GPS unit used to determine the latitude/longitude coordinates.
3208	XY Survey Description (XY_SURVEY_DESC)	Narrative	240	AN	General description/information pertaining to the survey of latitude/longitude. May describe offset azimuth, distance and slope.

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2. GEO Z – Elevation Measurement

ID	Element (<i>Field Name</i>)	Criteria	Length	Type	Definition
3000	Global ID (<i>GLOBAL_ID</i>)	Valid Values	12	AN	The unique identifier for a regulated facility or site.
3001	Field Point Name (<i>FIELD_PT_NAME</i>)	Valid Values	15	AN	The unique name of the field location where the sample/field measurement has been collected.
3300	Elevation Survey Date (<i>ELEV_SURVEY_DATE</i>)	MM/DD/YYYY	10	D	The date on which the elevation was measured.
3301	Elevation (<i>ELEVATION</i>)		15	N	The elevation of the survey point measured to top of well casing to one hundredth of a foot between well locations within the site.
3302	Elevation Survey Method (<i>ELEV_METHOD</i>)	Valid Values	5	AN	The code representing the method by which the elevation measurement was collected.
3303	Elevation Datum (<i>ELEV_DATUM</i>)	Valid Values	5	AN	The code representing the datum from which the elevation was determined.
3304	Elevation Accuracy Value (<i>ELEV_ACC_VAL</i>)		15	N	The accuracy range (+/-) of the absolute elevation measurement reported in centimeters at the 95% confidence interval.
3305	Elevation Survey Organization Name (<i>ELEV_SURVEY_ORG</i>)		35	AN	The name of the organization collecting the elevation measurement.
3306	Riser Height (<i>RISER_HT</i>)		15	N	The measured distance from ground surface to top of well casing reported as a positive or negative value to one hundredth of a foot.
3307	Elevation Survey Description (<i>ELEV_DESC</i>)	Narrative	240	AN	General description/information pertaining to the survey.

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3. GEO WELL – Groundwater Well Measurement

ID	Element (FIELD NAME)	Criteria	Length	Type	Definition
3000	Global ID (GLOBAL_ID)	Valid Values	12	AN	The unique identifier for a regulated facility or site.
3001	Field Point Name (FIELD_PT_NAME)	Valid Values	15	AN	The unique name of the field location where the sample/field measurement has been collected.
3400	Well Current Status (STATUS)	Valid Values	5	AN	The code representing the current status of well.
3401	GW Measurement Date (GW_MEAS_DATE)	MM/DD/YYYY	10	D	The date the depth to groundwater was measured.
3402	GW Measurement Time (GW_MEAS_TIME)	HHMM	4	AN	The time the depth to groundwater was measured, recorded using 24-hour military time.
3403	Depth to Floating Product (DTFPROD)		15	N	The measured depth from top of well casing to floating product surface reported to one hundredth of a foot.
3404	Depth to Groundwater Surface (DTW)		15	N	The measured depth from top of well casing to groundwater surface reported to one hundredth of a foot.
3306	Riser Height (RISER_HT)		15	N	The measured distance from ground surface to top of well casing reported as a positive or negative value to one hundredth of a foot.
3405	Total Depth (TOT_DEPTH)		15	N	Depth to bottom of well measured in the field during the sampling/ measurement event from top of well casing to “bottom” of well, reported to one hundredth of a foot.
3406	DTW Description (GW_MEAS_DESC)	Narrative	240	AN	General description/information pertaining to the groundwater measurement.