

table_name	table_label	table_description
adod_data	AirDry OvenDry Data	Air-dry-Ovendry Data table is a raw data table. The data is used to calculate the moisture content of a prepared sample. The moisture content is used to adjust the results of analyses to an oven-dry basis. The most common moisture content is the air-dry, less than 2 mm prepared sample weight to its oven-dry weight (105 degrees) ratio. Others sample preparations also need the ratio determined. That data is also stored in the adod_data table.
agg_stab_data	Aggregate Stability Data	The Aggregate Stability Data table holds raw data. The aggregate stability procedure (4G1) is performed on natural fabric samples.
analysis	Analysis	The Analysis table is a lookup table which holds the analysis name and status. The status indicates whether the analysis is presently being performed at the SSL. Additionally the analysis table holds the default preparations for the analysis and analysis costs and labor information. These data are used by the LIMS for sample preparation defaults and management evaluations.
analysis_batch	Analysis Batch	The Analysis Batch table holds the status and common meta data about the batch (worklist). The meta data is used by the LIMS to assist in tracking which analyst has worked upon the batch and what procedure was used to analyze the batch. The status is used by the LIMS to track the batch and workflow.
analysis_batch_instrument	Analysis Batch Instrument	The table contains data about instruments used in the analysis batch
analysis_batch_sample	Analysis Batch Sample	The Analysis Batch Sample table links the analysis batch table to the prepared samples by the sample identifier and the position in the batch (batch ordinal position). Also the table hold the preparation actually used in the analysis, the disposition of the analysis (condition of the prepared sample) and the status of the sample analysis (completed, rerun, abandoned, etc.).
analysis_detail	Analysis Detail	The Analysis Detail table contains instructions, options, and choices for a given analysis. The instructions are typically for including or omitting operational steps in a procedure. For example, particle size analysis has the options of saving sands for mineralogy or including fine clay.
analysis_preparation	Analysis Preparation	The Analysis Preparation table holds the preparation and prepared weight of samples. This table is used to get the prepared samples and its weight of a sample.
analysis_suite	Analysis Suite	The Analysis Suite table holds the name of the analysis suite. A suite is a set of analyses that are routinely run by the SSL as a group. The analysis requests can set analyses on a layer basis by selecting the analysis suite.
analysis_suite_analysis	Analysis Suite Analysis	The Analysis Suite Analysis table is the lookup table containing the analyses in the suite. These are the analyses that are routinely requested as a group.
analyte	Analyte	The Analyte table is a lookup table which contains information about an analyte (primary result of an analysis by a procedure). The LIMS uses this data to format the data, provide abbreviations and units of measure for reporting the data.
analytical_sample_disp	Analytical Sample Disposition	The Analytical Sample Disposition table holds information about the prepared samples. This information is about the location and condition of the prepared samples, Preparation sequence when multiple preparations are made.
anion_resin_data	Anion Resin Extractable Phosphorus Data	The raw data for anion resin extractable phosphorus
application_error	Application Error Log	A table containing information about LIMS errors
area	Area	The table contains geographic area information
atterberg_data	Atterberg Data	The raw data table for Atterberg liquid and plastic limits analyses performed at the NRCS National Soil Mechanics Laboratory
beta_glucosidase_data	Biology Beta Glucosidase Data	The raw data for biological p-nitrophenol determined by beta glucosidase

table_name	table_label	table_description
bio_hpom_data	Biology Hyper Particulate Organic Matter Data	The raw data for particulate organic matter using a hyper procedure
bio_pom_data	Biology Particulate Organic Matter Data	The raw data for particulate organic matter
bio_roots_data	Biology Root Data	The raw data for biological sample roots.
biomass_det_data	Biology Biomass Detail Data	The raw data for biomass CO ₂ -C data
biomass_mas_data	Biology Biomass Master Data	The raw data for biomass and master data table
box	Box	The Box table records the inventory of boxes used by the National Soil Survey Laboratory. Boxes are used to hold prepared samples. These boxes are stored in various location in the laboratory. The term box includes any container which hold samples, including trays.
bray1_extr_data	Bray1 Extractable Data	The Bray1 Extractable Data table contains the raw data for the Bray1 extractable phosphorus procedure.
bray2_extr_data	Bray2 Extractable Data	The raw data table for Bray 2 extractable phosphorus.
caco3_equiv_data	Calcium Carbonate Equivalent Data	The Calcium Carbonate Equivalent Data table holds the raw data for the calcium carbonate equivalent procedures. Both the less than 2mm and less than 20 mm data is stored.
calc	Calculation	The Calculation table records information about all calculations that are based on aggregated analytes and possibly other sub-calculations as well. A particular calculation in this table may represent an end result, a sub-calculation or possibly both. The result of a calculation described in this table either pertains to a layer or horizon, or to the pedon as a whole. In addition to recording attributes of calculations, this table actually stores the path to the script used to perform the calculation.
calc_analyte	Calc Analyte	The table contains information about the derived values and their calculation
calc_error	Calc Error	The table records the errors that occur in the calculation engine.
calc_queue	Calc Queue	The table contains information about the calculations scheduled and their status
calc_sub_calc	Calculation Sub-Calculation	The Calculation Sub-Calculation table records the immediate sub-calculations required for the corresponding parent calculation, if any are needed.
calibration_detail	Calibration Detail	Calibration Detail
calibration_master	Calibration Master	Calibration Master
caso4_data	Gypsum Data	The Gypsum Data table holds raw data for the gypsum procedures. Both less than 2 mm and less than 20 mm data are stored.
change_log	Change Log	The table contains information about what and when changes occur in results
check_sample_analysis	Check Sample Analysis	A table containing quality control check samples and the analyses associated with the samples
citric_acid_p_data	Citric Acid P Data	The raw data table for the citric acid extractable phosphorus analysis. Note: Additional data fields may be needed such as the amount of citric acid used to neutralize the calcium carbonate in the sample.
clod_db_data	Clod Bulk Density Data	The table contains the raw data about bulk density analysis
clod_db_field_moist_data	Clod Bulk Density Field Moist Data	The table contains the raw data about moist bulk density analysis
clod_db_rewet_data	Clod Bulk Density Rewet Data	The table contains raw data of the rewet bulk density analysis

table_name	table_label	table_description
co3_c_data	to be filled in	something to do with biology...
core_comp_cav_data	Core and Compliant Cavity Data	The Core - Compliant Cavity Data table holds raw data for the core bulk density and compliant cavity bulk density procedures.
core_db_data	Core and Water Retention Data	The table contains raw data of the core bulk density or water retention analyses
data_tier	Data Tier	A table containing the data tiers
data_tier_column	Data Tier Column	A table containing information about the columns reported in a data tier
display_columns	Display Columns	The table contains information about how LIMS displays data grids within the application
display_table	Display	The table contains information about dat grids and their properties in the LIMS application
dsc_det_data	Differential Scanning Calorimetry Detail Data	The Differential Scanning Calorimetry Detail Data table holds the raw data of the individual minerals in the procedure.
dsc_mas_data	Differential Scanning Calorimetry Master Data	The Differential Scanning Calorimetry Master Data table holds the raw data about the sample in the procedure.
dt_mcode	Date Tier Method Code	The table contains information about data tiers in the reports generated by LIMS
ec_data	Electrical Conductivity Data	The raw data for 1:20 EC and Resistivity
effervescence_data	Effervescence Data	The Effervescence Data table table is a raw data table.
egme_rsa_det_data	Ethylene Glycol Monoethyl Ether Retention Surface Area Detail Data	The EGME Detail Data table holds raw data about the individual weighings of the EGME procedure.
egme_rsa_mas_data	Ethylene Glycol Monoethyl Ether Retention Surface Area Master Data	The EGME Master Data table holds the general raw data for the EGME procedure.
equiv_gyp_cont_data	Equivalent Gypsum Content Data	Equivalent Gypsum Content Data table is a raw data table. The data is used to calculate the percent equivalent gypsum of a prepared sample. The prepared sample must be fine grind.
extr_acidity_data	Extractable Acidity Data	The Extractable Acidity Data table holds the raw data for the extractable acidity procedure.
field_db_data	Field Bulk Density Data	The Field Bulk Density Data table holds the raw data for the field bulk density procedure. This is procedure is new.
glucose_c_data	Biology Glucose-C Data	The raw data for biological carbon determined by glucose content
header	Header	A table containing the header for reports
histosol_data	Histosol Data	The Histosol Data table holds the raw data for the fiber content and pyrophosphate color procedures.
instrument	Instrument	The Instrument table is a lookup table holding information about the instruments used in the SSL. A record in this table corresponds to a specific piece of equipment set up in a specific manner. Therefore there may be more than one record for the same piece of equipment in this table.
instrument_model	Instrument Model	The table contains the instrument and model of instrument
instrument_model_set	Instrument Model Set	The table contains the instruments that compose a set of instruments used in an analysis
instrument_set	Instrument Set	The table contains the names of instruments in a set of instruments
instrument_set_proced	Instrument Set Procedure	The table contains the instrument set used in a procedure
inventory	Inventory	The table contains the items of an inventory
inventory_item	Inventory Item	The table contains a listing of the items defined for an inventory
inventory_item_data	Inventory Item Data	The table contains information about the items
inventory_item_type	Inventory Item Type	The table contains the kinds of items
inventory_item_type_def	Inventory Item Type Def	The table contains information about the item type

table_name	table_label	table_description
inventory_type	Inventory Type	The table contains the kinds of inventories
kcl_extr_det_data	Potassium Chloride Extractable Detail Data	The Potassium Chloride Extractable Detail Data table contains raw data about the analyte. The element_name identifies the cation that is measured.
kcl_extr_mas_data	Potassium Chloride Extractable Master Data	The Potassium Chloride Extract Master Data table contains raw data about the worklist (batch) level. Also if the extractable acidity is measured, the titer data is stored in the master record.
kcl_extr_no3_data	Potassium Chloride Extractable Nitrate Data	The nitrate extracted by 1.0 M KCl raw data table. This is a new procedure different from the kcl_extr_mas_data.
kmno4_extr_c_data	Biology KMnO4-C Data	The raw data for biological carbon determined by KMnO4 extraction
laboratory	Laboratory	The Laboratory table is a lookup table with information about laboratories.
layer	Layer	The Layer table contains information about the layer, including the field identifier, horizon designation, reporting, and depths. Layer in the LIMS can be a true soil horizon or a reporting layer which does not correspond to the traditional soil horizon. The lay_rpt_seq_num sets the order of display for layer reports. The layer is the intended way analytical results are reported in the LIMS. New to the LIMS is the ability to allow stratified or vertically subdivided layers to be reported.
layer_analysis_request	Layer Analysis Request	The Layer Analysis Request table is used to track the analyses requested at the layer level. Because analyses are requested at the layer level, and the analyses are performed at the sample level; both analyses request levels must be tracked. Quality control may be specified in the layer analysis request. The type of QC inter- and intra-batch replication is supported.
layer_analysis_request_detail	Layer Analysis Request Detail	The Layer Analysis Request Detail table contains the choices selected from the Analysis Detail table.
layer_analyte	Layer Analyte	The Layer Analyte table records the aggregated analyte values for a layer or soil horizon. The results are from the sample analyte table. Data values are reported out of this table.
layer_fraction	Layer Fraction	The table contains data about a layers different size-fractions
layer_horz_design_ls	Layer Horizon Designation Letter Suffix	The Layer Horizon Designation Letter Suffix table contains the layer's horizon designation suffix symbol. The symbols are defined in the Keys to Soil Taxonomy. The sequence_number allow for multiple designations.
layer_preparation_req	Layer Preparation Request	The Layer Preparation Request table holds the required sample preparations at the layer level. This table records any special layer preparation requests, such as a request to permanently store one or more preparations, or a request to ship one or more preparations somewhere. Multiple preparations of the same type can be made here. The default is one.
layer_texture	Layer Texture	The Layer Texture table holds the layer's field texture or in lieu of texture. The sequence_number is used for multiple layer textures.
layer_texture_mod	Layer Texture Modifier	The Layer Texture Modifier table holds the layer's texture modifier.
lims_ped_tax_hist	LIMS Pedon Taxonomic History	The LIMS Pedon Taxonomic History table contains the pedon classification history. Any changes to classifications will result in an archiving of the previous classification to this table.
lims_pedon	LIMS Pedon	The LIMS Pedon table holds general information about the pedon. The pedon is associated with a site. The converse is not necessarily true.
lims_site	LIMS Site	The LIMS Site table holds the site (location) information about the place where the samples or pedon originated.
limsdd_domain_detail	LIMS Data Dictionary - Domain Detail	This data dictionary table records all members of all static domains in the LIMS system.
limsdd_domain_master	LIMS Data Dictionary - Domain Master	This data dictionary table records domain level information for all static domains in the LIMS system.
limsdd_table	LIMS Data Dictionary - Table	This data dictionary table records table level information for each table in the LIMS database.

table_name	table_label	table_description
limsdd_table_column	LIMS Data Dictionary - Table Column	This data dictionary table records column level information for each column in the LIMS database.
loi_min_content_data	Loss On Ignition Mineral Content Data	The Loss On Ignition Mineral Content Data table (8F1).
master_preparation	Master Preparation	The table contains the SSL master preparations
mea_det_data	Major Elemental Analysis Detail Data	The Major Elemental Analysis Detail Data table contains the individual element's raw data. The element value is reported by the instrument's computer.
mea_mas_data	Major Elemental Analysis Master Data	The Major Elemental Analysis Master Data table contains the raw data about the sample used in the analysis.
meh3_extr_det_data	Mehlich 3 Extractable Detail Data	The Mehlich 3 Extract Detail Data table contains the raw data for extractable cations. This is a child table of the master data table.
meh3_extr_mas_data	Mehlich 3 Extractable Master Data	The Mehlich 3 Extract Master Data table holds the worklist (batch) level raw data. This table has a child table, detail data table.
mehlich3_extr_data	Mehlich 3 Extractable Data	Mehlich No. 3 multielement soil extractant raw data table.
melanic_index_data	Melanin Index Data	The Melanic Index Data table holds the raw data for the sample of the procedure. The melanic index is the ratio of absorbances which characterizes the humus properties of melanic and fulvic Andisols.
min_n_epa_data	Mineralizable Nitrogen EPA Data	The Mineralizable Nitrogen EPA Data table hold the raw data for the mineralizable nitrogen analysis for EPA.
mint_data	Mineralizable Nitrogen Data	The Mineralizable Nitrogen Data table hold the raw data for the mineralizable nitrogen analysis.
mir_scan_det_data	MIR scan Detail Data	The MIR scan Detail Data table contains the scan file name and conditions at a given time.
mir_scan_mas_data	MIR scan Master Data	The MIR scan Master Data table contains the raw data about the sample used in the analysis.
nacd_extr_det_data	Sodium Citrate - Dithionite Extractable Detail Data	The Sodium Citrate Dithionite Extract Detail Data table contains the raw data for extractable cations. This is a child table of the master data table.
nacd_extr_mas_data	Sodium Citrate - Dithionite Extractable Master Data	The Sodium Citrate Dithionite Extract Master Data table holds the worklist (batch) level raw data. This table has a child table, detail data table.
napyro_extr_det_data	Sodium Pyrophosphate Extractable Detail Data	The Sodium Pyrophosphate Extract Detail Data table holds the raw data for the extractable cations. This is the child table of the master data table.
napyro_extr_mas_data	Sodium Pyrophosphate Extractable Master Data	The Sodium Pyrophosphate Extract Master Data table holds the raw data at the worklist (batch) level. This data includes the organic carbon data. This table has a detail data child table where cation data is stored.
ncs_data	N, C, S Data	The raw data table for total nitrogen, carbon, sulfur.
newzealand_p_ret_data	New Zealand Phosphorus Retention Data	The New Zealand Phosphorus Retention Data table holds the raw data for this procedure.
nh4cl_cec_det_data	Ammonium Chloride CEC Detail Data	The NH4Cl Cation Detail Data table holds the raw data for each analyte measurement. The element_name column specifies the cation that the extr_cation_quant refers.
nh4cl_cec_mas_data	Ammonium Chloride CEC Master Data	The NH4Cl CEC Master Data Table holds the raw data for the neutral salts CEC procedure (5A9c).
nh4oac_cec_det_data	Ammonium Acetate CEC Detail Data	The NH4OAc Cation Detail Data table holds the raw data for each analyte measurement. The element_name column specifies the cation that the extr_cation_quant refers.
nh4oac_cec_mas_data	Ammonium Acetate CEC Master Data	The NH4OAc CEC Data table holds the raw data for the ammonium acetate cation exchange capacity procedure (5A8c). The data also is used in the extractable cations procedure, which is a child analysis of the CEC analysis.

table_name	table_label	table_description
nh4oxal_extr_det_data	Ammonium Oxalate Extractable Detail Data	The Ammonium Oxalate Extract Detail Data table holds the raw data for the individual analyte determinations of the procedure. This table is a child table of the master data table.
nh4oxal_extr_mas_data	Ammonium Oxalate Extractable Master Data	The Ammonium Oxalate Extract Master Data table holds the general raw data of the sample for the procedure. Individual cations data is stored in the detail data table, which is a child table of the master data table.
note	Note	The table contains notes and note information
olsen_p_data	Olsen P Data	The Olsen extract phosphorus data table holds the raw data.
opt_count_det_data	Optical Count Detail Data	The Optical Count Detail Data table holds the raw data for the individual mineral counts for the optical count type. The detail data table is a child table of the master data table.
opt_count_mas_data	Optical Count Master Data	The Optical Count Master Data table holds the raw data for the sample. The table hold what type of optical count, the size fraction and replicate number. Individual counts are held in the detail data table, which is a child table of the master data table.
organization	Organization	The table contains a list of organizations
pd_data	Particle Density Data	Particle Density Data table is a raw data table. The data is used to calculate the particle density of a prepared sample. The prepared sample may be <2 mm or >2 mm.
period	Period	The table contains information about dates
person	Person	The table contains a listing of people and related data about the people
ph_det_data	pH Detail Data	The child table of the pH master table. This table holds the individual pH measurement and kind of pH measured.
ph_mas_data	pH Master Data	The pH Master Data table holds the batch information about the pH analysis.
phox_det_data	pH by Oxidation Detail Data	The detail raw data for pH by oxidation holds observed pH over time
phox_mas_data	pH by Oxidation Master Data	The master raw data for pH by oxidation holds final results for the analysis
preparation	Preparation	The Preparation table holds the information about the type of preparation, size of the original and final fractions prepared, default container type and preparation sort order.
preparation_wt_data	Preparation Master Data	The Preparation Master Data table holds the effervescence and sample identifier of the sample being prepared. Individual weights are recorded in the detail data table, which is a child table of the master data table.
procedure	Procedure	The Procedure table is a lookup table which contains information about the procedure. The procedure is the basic analytical method applied to a prepared sample. This procedure may be applied to different sample preparations, but the default size-fraction is the most commonly used size-fraction. An analysis may have more than one procedure, one of which is chosen by the analyst to complete the analysis.
procedure_analyte	Procedure Analyte	The Procedure Analyte table holds the information about how to calculate the analyte from its raw data. The path to the calculation script is stored here, however the actual calculation instructions are in a text file stored outside the LIMS proper. The add dependency of the analyte calculation is also flagged in the table. This is used for recalculation of the analyte when the add changes.
procedure_detail	Procedure Detail	The table contains a listing of processes used in a procedure to track who performs the work
procedure_detail_history	Procedure Detail History	The table contains a log of who, what, when and procedure detail is performed
procedure_detail_procedure	Procedure Detail Procedure	The table contains the procedure details associated with a procedure
project	Project	The Project table contains information about the SSL project. The project is a high level table in the LIMS. Most work is performed on a project basis in the LIMS and the data produced reported on a project level basis. Data collected is used to track the project to completion and reporting. The LIMS uses the information to direct the analytical data to the project coordinator and submitter.
project_contact	Project Contact	The table contains a listing of who is the main contact person for an SSL project
project_sequence	Project Sequence	The table contains a listing of sequence a project is assigned in the fiscal year

table_name	table_label	table_description
psda_data	Particle Size Distribution Analysis Data	The Particle Size Distribution Analysis Data table holds the raw data collected on the worklist (batch). Some of the data elements are not recorded in the first version of the LIMS. They are expected to be implemented in future versions of the LIMS.
psdah_det_data	Particle Size Distribution Analysis Hydrometer Detail Data	The Particle Size Distribution Analysis Hydrometer Detail Data table contains the hydrometer readings at a given time.
psdah_mas_data	Particle Size Distribution Analysis Hydrometer Master Data	The Particle Size Distribution Analysis Hydrometer Master Data table contains the raw data about the sample used in the analysis.
reagent_batch	Reagent Batch	The Reagent Batch table is a lookup table where information about the reagents used is stored. Various analytes need reagent information in order for calculations to be completed. When a batch (lot) of reagent is prepared, the relevant data is stored in the reagent batch table.
report	Report	A table listing the reports within LIMS
report_body	Report Body	A table containing information about the reporting of data within the data tiers
report_list	Report List	The table contains information about the LIMS reports
result	Result	The table contains the values of the derived data
salt_predict_data	Salt Predict Data	The raw data table for the salt predict analysis (8I). The data are used to determine if analyses for soluble salts is warranted.
sample	Sample	The Sample table holds the data about the sample received in the SSL. The data is primarily that which is collected during sample login (receiving). The APHIS regulation status of the sample is also in the table. Quality control samples are introduced by sample login in a special
sample_analyte	Sample Analyte	The Sample Analyte table is where the measured (calculated) value of the analyte is stored. Other meta data about the analyte is also stored. The results of analysis are calculated, valid or invalid. The status indicates whether the result is suitable for further processing by the LIMS. The sample analyte results are rolled up to the layer analyte table when validation is completed. Reports do not use the sample analyte table. The reports use higher level tables for reportable data.
sat_paste_det_data	Saturated Paste Detail Data	The Saturated Paste Detail Data table holds the raw data for each analyte measured in the saturation extract. The saturation extract is derived from the saturated paste. This table is a child table of the master data table.
sat_paste_mas_data	Saturated Paste Master Data	The Saturated Paste Data table holds the raw data for the saturation percentage, electrical conductivity, resistivity and pH of the saturated paste. The saturation extract derived from the saturated paste is analyzed for more analytes. The raw data for these analytes are stored in other raw data tables.
site_area_overlap	Site Area Overlap	The table contains the area associated with sites
ssl_user	SSL User	The table contains information about the SSL LIMS users
ssl_user_role	SSL User Role	The table contains the roles of different kinds of users of LIMS
status_history	Status History	The table contains a historical log of the changes of statuses within LIMS
study	Study	The Study table is the highest level table in the LIMS. The study is a group of projects. This is a new feature to allow groupings of projects which are related to each other in some way. Studies were implemented to allow more flexible reporting of data. Full implementation of studies will be completed in later releases of the SSL LIMS.
study_detail	Study Detail	A table containing information about a study
surfarean2_data	Surface Area N2 Data	The raw data table for surface area measured by N2 adsorption.
tare_detail	Tare Detail	The table contains tare values
tare_master	Tare Master	The table contains the information about the tares and kind of tares used in LIMS

table_name	table_label	table_description
taxon_family_detail	Taxon Family Detail	The table contains the taxonomic family data of pedons
tea_det_data	Total Elemental Analysis Detail Data	The Total Elemental Analysis Detail Data table contains the individual element's raw data. The element value is reported by the instrument's computer.
tea_mas_data	Total Elemental Analysis Master Data	The Total Elemental Analysis Master Data table contains the raw data about the sample used in the analysis. Several different analyses can use this table. One set is the carbon, nitrogen, sulfur. These are analyzed by total combustion. The other elements are chemically digested and analyzed by ICP.
tga_det_data	Thermal Gravimetric Analysis Detail Data	The Thermal Gravimetric Analysis Detail Data table contains the raw data for the individual mineral in the procedure.
tga_mas_data	Thermal Gravimetric Analysis Master Data	The Thermal Gravimetric Analysis Master Data table holds raw data about the sample in the procedure.
thermal_standard	Thermal Standard	The Thermal Standard table is a lookup table holding information about the thermal standards.
thin_section_det_data	Thin Section Detail Data	The Thin Section Detail Data table holds the raw data for the individual features of the procedure. Depending on the microfabric_type, certain fields are recorded for each feature observed.
thin_section_mas_data	Thin Section Master Data	The Thin Section Master Data table holds raw data about the sample for the micromorphology procedure. The thin section orientation and magnifications are recorded here. The individual features are recorded in the detail data records.
transfer_project_log	Transfer Project Log	The table contains the dates of the first transfer and last transfer of project data and information
vnir_scan_det_data	VNIR scan Detail Data	The VNIR scan Detail Data table contains the scan file name and conditions at a given time.
vnir_scan_mas_data	VNIR scan Master Data	The VNIR scan Master Data table contains the raw data about the sample used in the analysis.
water_extr_det_data	Water Extract Detail Data	The Water Extract Detail Data table contains the raw data for extractable cations and anions. This is a child table of the master data table.
water_extr_mas_data	Water Extract Master Data	The Water Extract Master Data table holds the worklist (batch) level raw data. This table has a child table, detail data table.
water_retention_data	Water Retention Data	The Water Retention Data table holds the raw data about the sample and measured values for the water retention. Many points of water retention may be measured by the SSL. water_ret_type choice list identifies the pressure points the lab measures.
water_soluble_p_data	Water Soluble Phosphate Data	The Water Soluble Phosphate Data table holds the raw data for the procedure (6S7a).
xray_diff_det_data	X-Ray Diffraction Detail Data	The X-ray Diffraction Detail Data table holds the raw data for the each mineral in the sample. Values are primarily from the "DI" file of the instrument. peak_ht_code is the interpreted value. The detail table is a child table of the master data table. The master detail records hold more
xray_diff_mas_data	X-Ray Diffraction Master Data	The X-ray Diffraction Master Data table holds the raw data for the sample of the procedure (rep_num and size_fract). The master data table has a child table (detail data) which holds record about individual raw data parameters.
xray_pm_det_data	X-Ray Diffraction PM Detail Data	The X-ray Diffraction PM Detail Data table holds the raw data for the each mineral in the sample. Values are primarily from the "DI" file of the instrument. peak_ht_code is the interpreted value. The detail table is a child table of the master data table.
xray_pm_mas_data	X-Ray Diffraction PM Master Data	The X-ray Diffraction PM Master Data table holds the raw data for the sample of the procedure (rep_num and size_fract). The master data table has a child table (detail data) which holds record about individual raw data parameters.