LABWORKS

LABWORKS LIMS v7.2

Database Dictionary

Last Updated: March 2023

Table of Contents

ACTIONCODES

Listing of Workflow Action Codes

Primary Keys

- ACTIONCODE
- OBJECTTYPE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACTIONCODE	varchar	50	False	Code
2	ACTIONLABEL	varchar	50	False	String used for display
3	OBJECTTYPE	varchar	50	False	Associated LabWorks Object Type
4	ACTIONTYPE	varchar	50	False	STANDARD or Custom
5	ACTIONCODEORDER	int	10	False	Order

ANALYSIS

Analysis Codes (Tests) assigned to samples

Primary Keys

- SAMPNO
- ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample Number
2	ACODE	varchar	24	False	Analysis Code
3	ADEPT	varchar	24	True	Department Code
4	ASTATUS	smallint		False	Status
5	QBATCHED	smallint		False	QA/QC Batched
6	ASSIGN_ANL	varchar	12	True	
7	ASSIGN_INST	varchar	24	True	
8	RADUEDATE	datetime		True	
9	ADUEDATE	datetime		True	Analysis Due Date
10	ASDATE	datetime		True	Analysis Start Date
11	AEDATE	datetime		True	Analysis End Date
12	APRICE	real		False	Analysis Price
13	ANALYST	varchar	12	True	Analyst
14	AVALUSER	varchar	12	True	Validated User
15	AVALDATE	datetime		True	Validated Date
16	RLTSOURCE	varchar	255	True	Result Source
17	ANLLIMIT	smallint		False	Analysis Limit

18	SIFORM	varchar	24	True	Special Info Form code
19	ANUM	smallint		False	Analysis Number (serial number)
20	AMODDATE	datetime		True	Last Modified Date
21	AMODUSER	varchar	12	True	Last Modified User
22	APRICESET	smallint		False	Price
23	AOWNER	varchar	24	True	Analysis Owner
24	hSec	int	10	False	Security Handle
25	RLT_TYPE	varchar	255	True	Field is used to set pick lists for results entry. The acceptable content for the field can be null or one of the following: LIST-INC:A|B|C|D, LIST-EXC:1|2|3|4, PICKLIST-EXC:POSNEG, PICKLIST-INC:POSNEG
26	RLT2_TYPE	varchar	255	True	Field is used to set pick lists for results entry. The acceptable content for the field can be null or one of the following: LIST-INC:A|B|C|D, LIST-EXC:1|2|3|4, PICKLIST-EXC:POSNEG, PICKLIST-INC:POSNEG
27	QUAL_TYPE	varchar	255	True	Field is used to set pick lists for results entry. The acceptable content for the field can be null or one of the following: LIST-INC:A|B|C|D, LIST-EXC:1|2|3|4, PICKLIST-EXC:POSNEG, PICKLIST-INC:POSNEG
28	AREADOWNER	varchar	24	True	Analysis Read Owner
29	SGACODE	varchar	24	True	Parent Study group
30	CACODE	varchar	24	True	

31	NOOFREPLICATES	int	10	False	Number of replicates
32	REPLICATEMETHOD	varchar	20	True	Replicate method. Content of the field can be null or one of the following:MIN, MAX, AVERAGE
33	AREF	varchar	50	True	Analysis method reference
34	REPSELECTION	varchar	15	True	Replicate selection on. Content of the field can be null or one of the following: ALL_REPLICATES, MDL_RANGE
35	INSTRUMENT	varchar	24	True	
36	PREPDATE	datetime		True	Preparation DateTime

ANALYST_TEAM

Listing of Analyst Team Membership

Primary Keys

- INITIALS
- TEAMNAME

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INITIALS	varchar	12	False	Initials
2	TEAMNAME	varchar	50	False	Team Name

ANALYSTS

Listing of LAB Analysts

Primary Keys

- INITIALS

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INITIALS	varchar	12	False	Initials
2	FULLNAME	varchar	50	False	Full Name
3	STATUS	smallint		False	Analyst Status
4	EmpDate	datetime		True	Employed Date
5	EmpType	smallint		False	Employment Type

6	Other	varchar	255	True	Other info
7	hSec	int	10	False	Security Handle
8	TEAMNAME	varchar	24	True	Users Team Membership
9	COMMENTTEXT	nvarchar	-1	True	

ANALYTES

Analytes List for each multi -component Analysis listed in the ANL_LIST table

Primary Keys

- ACODE
- ANLNAME

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	Analysis Code
2	ANLNAME	varchar	100	False	Analyte Name
3	ANLNUM	smallint		False	Analyte Number (serial Number)
4	ANLABBR	varchar	40	True	Analyte Abbreviation
5	ANLMDL	varchar	14	True	Analyte Minimum Detection Limit
6	CASNUMB	varchar	20	True	Chemical Abstract Number
7	ANLPQL	varchar	14	True	Practical Quantitation Limit
8	hSec	int	10	False	Security Handle
9	ANLUNIT	varchar	14	True	Units for Analyte
10	AREF	varchar	50	True	Analyte method reference
11	MODDATE	datetime		True	ModDate
12	DEFAULTQUALIFIER	varchar	14	True	Default Qualifier for analytes
13	DEFAULTRESULT	varchar	14	True	

ANALYTES_HIST

Primary Keys

- ACODE
- ANLNAME
- VERSION

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	

2	ANLNAME	varchar	40	False	
3	VERSION	int	10	False	
4	ANLNUM	smallint		False	
5	ANLABBR	varchar	40	True	
6	ANLMDL	varchar	8	True	
7	CASNUMB	varchar	20	True	
8	ANLPQL	varchar	14	True	
9	hSec	int	10	False	

ANL_LIST

Table to hold all Analyses

Primary Keys

- ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	Analysis Code
2	ANAME	varchar	40	True	Analysis Name
3	AUNIT	varchar	14	True	Analysis Unit
4	AMDL	varchar	14	True	MDL
5	ADEPT	varchar	24	True	Department
6	AREF	varchar	50	True	Method reference
7	CHOLDMINS	int	10	False	Analysis Hold Minutes
8	RHOLDMINS	int	10	False	Result Hold Minutes
9	APRICE	real		False	Analysis Price
10	NONREP	smallint		False	Reportable flag
11	NONINV	smallint		False	Invoiceable flag
12	SIGFIGS	smallint		False	Significant figures flag
13	WORKUNIT	real		False	Work unit
14	COMPFILE	varchar	255	True	
15	REPALL	smallint		False	Report All flag
16	ADDCOMPS	smallint		False	
17	SIFORM	varchar	24	True	Special Info Template name
18	MODDATE	datetime		False	Last Modified Date
19	MODUSER	varchar	12	True	Last Modified User
20	AOWNER	varchar	24	True	Owner
21	hSec	int	10	False	Security Handle
22	RLT_TYPE	varchar	255	True	Field is used to set pick lists for results entry. The acceptable content for the field can be null or one of the following: LIST-INC:A|B|C|D, LIST-

					EXC:1|2|3|4, PICKLIST-EXC:POSNEG, PICKLIST-INC:POSNEG
23	RLT2_TYPE	varchar	255	True	Field is used to set pick lists for results entry. The acceptable content for the field can be null or one of the following: LIST-INC:A|B|C|D, LIST-EXC:1|2|3|4, PICKLIST-EXC:POSNEG, PICKLIST-INC:POSNEG
24	QUAL_TYPE	varchar	255	True	Field is used to set pick lists for results entry. The acceptable content for the field can be null or one of the following: LIST-INC:A|B|C|D , LIST-EXC:1|2|3|4, PICKLIST-EXC:POSNEG, PICKLIST-INC:POSNEG
25	CURRENT_STATE	varchar	50	True	Analysis Code State
26	ANLOWNER	varchar	24	True	Analysis Code Owner
27	ANLREADOWNER	varchar	24	True	Analysis Read Owner
28	ANLRLTOWNER	varchar	24	True	Analysis Result Owner
29	NOOFREPLICATES	int	10	False	Number of replicates
30	REPLICATEMETHOD	varchar	20	True	Replicate method. Content of the field can be null or one of the following:MIN, MAX, AVERAGE
31	REPSELECTION	varchar	15	True	Replicate selection on. Content of the field can be null or one of the following: ALL_REPLICATES, MDL_RANGE
32	DEFAULTRESU	varchar	14	True	

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
	LT				
33	RLTUNIT_TYPE	varchar	255	True	Result Unit
34	DEFAULTQUALIFIER	varchar	14	True	Default Qualifier for Analysis

ANL_LIST_HIST

Primary Keys

- ACODE
- VERSION

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	
2	VERSION	int	10	False	
3	ANAME	varchar	40	True	
4	AUNIT	varchar	14	True	
5	AMDL	varchar	8	True	
6	ADEPT	varchar	24	True	
7	AREF	varchar	16	True	
8	CHOLDMINS	int	10	False	
9	RHOLDMINS	int	10	False	
10	APRICE	real		False	
11	NONREP	smallint		False	
12	NONINV	smallint		False	
13	SIGFIGS	smallint		False	
14	WORKUNIT	real		False	
15	COMPFILE	varchar	255	True	
16	REPALL	smallint		False	
17	ADDCOMPS	smallint		False	
18	SIFORM	varchar	24	True	
19	MODDATE	datetime		False	
20	MODUSER	varchar	12	True	
21	AOWNER	varchar	24	True	
22	hSec	int	10	False	
23	RLT_TYPE	varchar	255	True	
24	RLT2_TYPE	varchar	255	True	
25	QUAL_TYPE	varchar	255	True	

ANL_MATRIX

Analysis Matrix Details

Primary Keys

- ACODE
- MATRIX

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	Analysis Code
2	MATRIX	varchar	24	False	Matrix Name

3	MODDATE	datetime		False	Last Modified Date
4	MODUSER	varchar	12	True	Last Modified User
5	hSec	int	10	False	Security Handle

ANLOBJECT

Table containing listing of analysis objects. – Data migrated to LabObjObjects in v 6.3

Primary Keys

- SAMPNO
- ACODE
- OBJNUMB

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample ID
2	ACODE	varchar	24	False	Analysis Code
3	OBJNUMB	smallint		False	Object Number (In sequence – unique for SampNo)
4	OBJDESCR	varchar	255	True	Description (physical path)
5	OBJSPEC	varchar	255	False	Specification (physical path)
6	COMPRESSED	smallint		False	Compressed flag
7	MODDATE	datetime		True	Last Modified Date
8	MODUSER	varchar	12	True	Last Modified User
9	OBJDATA	image	2147483647	True	Data for Object
10	hSec	int	10	False	Security Handle

ANLSUBST

Analyte substitutions listing for each Instrument Analyte

Primary Keys

- INSTTYPE
- IANALYTE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INSTTYPE	varchar	16	False	Instrument Type
2	IANALYTE	varchar	40	False	Instrument Analyte
3	LANALYTE	varchar	40	False	Lab Analyte
4	hSec	int	10	False	Security Handle

ANLTESTS

Analysis Listing for each LABWORKS Analyst

Primary Keys

- INITIALS
- ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INITIALS	varchar	12	False	Analyst Initials
2	ACODE	varchar	24	False	Analysis Code
3	EXPDATE	datetime		True	Expiry Date
4	SOP	smallint		False	
5	hSec	int	10	False	Security Handle

APPPRIVS

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	URVALUE	varchar	16	False	
2	APPLICATION	varchar	50	True	

AUDITTRAIL

The audit trail table contains information about changes to samples and results of analyses

Primary Keys

- KEYCOUNTER

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	KEYCOUNTER	int	10	False	Serial Number
2	OBJECTTYPE	varchar	255	True	Object Type
3	OBJECTID	varchar	255	True	Object ID
4	PROPERTYNAME	varchar	255	True	Name of Object
5	USERID	varchar	50	True	User ID
6	CHANGEDATETIME	datetime		True	Change Date
7	PROPERTYDATATYPE	varchar	50	True	Data Type
8	OLDVALUETEXT	varchar	4000	True	Old Text Value
9	NEWVALUETEXT	varchar	4000	True	New Text Value

10	OLDVALUENUMBER	float		True	Old Numeric Value
11	NEWVALUENUMBER	float		True	New Numeric Value
12	OLDVALUEDATE	datetime		True	Old Date Value
13	NEWVALUEDATE	datetime		True	New Date Value
14	REASON	varchar	255	True	Change Reason
15	AdditionalInformation	text	2147483647	True	More Information
16	hSec	int	10	True	Security Reference
17	AUDITTYPE	varchar	50	True	Type of Audit
18	OLDLONGTEXT	ntext	1073741823	True	Old Long text value
19	NEWLONGTEXT	ntext	1073741823	True	New Long Text Value
20	AUDITCHECKSUM	varchar	40	True	Checksum Value
21	CHECKSUMVERSION	int	10	False	Checksum Version

AUDTRAIL

The audit trail table contains information about changes to samples and results of analyses. – Moved to AUDITTRAIL in v 6.1

Primary Keys

- KEYCOUNTER

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample ID
2	AUDTYPE	varchar	2	False	Audit Type code
3	AUDITEM1	varchar	50	False	Audit Item abbreviation
4	AUDITEM2	varchar	50	False	Audit Item description
5	OLDVALUE	varchar	50	True	Old Value
6	NEWVALUE	varchar	50	True	New Value
7	CHANGEDATE	datetime		True	Change Date
8	CUSERINIT	varchar	12	True	User Initials
9	CUSERNAME	varchar	36	True	User Name
10	REASON	varchar	255	True	Change Reason
11	KEYCOUNTER	int	10	False	Serial Number
12	hSec	int	10	False	Security Handle

AUSERFLDS

The analysis user fields, AUSERFLDS, table stores user defined information common to all analysis codes

Primary Keys

- OBJID
- OBJTYPE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	OBJID	varchar	50	False	Object ID
2	OBJTYPE	varchar	24	False	Type
3	HSEC	int	10	True	Security Reference

BATCHANALYSIS

Primary Keys

- BATCHID
- ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	BATCHID	varchar	40	False	
2	ACODE	varchar	24	False	
3	PRIMARYACODE	varchar	24	True	

BATCHHEAD

QA/QC Batch Header Details – 6.2 Batching

Primary Keys

- BATCHID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	BATCHID	varchar	40	False	Batch ID
2	BATCHDESCR	varchar	60	True	Batch Description
3	TEMPLATENAME	varchar	50	False	Batch Template
4	WORKFLOW	varchar	50	True	Batch Workflow
5	ASSIGNANALYST	varchar	12	True	Assigned Analyst
6	ASSIGNINSTR	varchar	24	True	Assigned Instrument
7	CURRENT_STATE	varchar	50	False	Batch State
8	MODUSER	varchar	12	True	Last Modified User
9	MODDATE	datetime		True	Last Modification Date
10	CREATEDBY	varchar	12	True	Created User

11	CREATEDATE	datetime		True	Creation Date
12	eWorksheetId	bigint		True	E worksheet Identifier
13	PREPDATE	datetime		True	Preparation DateTime
14	QCBATCHTYPE	varchar	24	True	QC Batch Type
15	PREPARATION QCBATCHES	varchar	2000	True	Preparation QC batches
16	COMPLETEDATE	datetime		True	Complete Date
17	TEMPLATEDESCRIPTION	varchar	50	True	Tempplate Description
18	SIGNUSER	int	10	True	Sign User
19	SIGNDATE	datetime		True	Sign Date
20	SIGNREASON	varchar	1024	True	Sign Reason
21	BATCHNUMB	int	10	False	Batch Number

BATCHITEMSTOCKS

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Batch Item Stock Identifier
2	BatchName	varchar	40	True	Batch Name
3	ItemStockID	int	10	True	Item Stock Identifier
4	Quantity	real		True	Quantity

BATCHSAMPS

Samples associated with QA/QC Batches 6.2 Batching

Primary Keys

- BATCH_NAME
- BATCH_INDEX

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	BATCH_NAME	varchar	40	False	Batch Name
2	BATCH_INDEX	int	10	False	Index in Batch
3	BATCH_SAMPNO	varchar	7	False	SampNo
4	BATCH_ANALYSES	varchar	4000	True	Analyses for Sample
5	BATCH_SAMPTYPE	varchar	50	True	Sample Type
6	hSec	int	10	False	Security Reference

| 7 | BATCH_SUBBA TCH | varchar | 1 | True | SubBatch |

BATCHTEMPLATE

QA/QC Batches Template 6.2 Batching

Primary Keys

- BATCHID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	BATCHID	varchar	40	False	Batch ID
2	TEMPLATE	text	2147483647	True	Xml description of template

BATHEAD

QA/QC Batch Header Details

Primary Keys

- BATNAME

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	BATNAME	varchar	40	False	Batch Name
2	BATNUMB	int	10	False	Batch Number
3	BATTEST	varchar	24	False	Batch Test
4	BATDATE	datetime		True	Batch Date
5	BATUSER	varchar	12	True	Batched User
6	QASAMP	varchar	7	True	QA Sample
7	hSec	int	10	False	Security Handle

BATSAMPS

Samples associated with QA/QC Batches

Primary Keys

- BATNAME
- BSAMPNO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	BATNAME	varchar	40	False	Batch Name
2	BSAMPNO	varchar	7	False	Batch Sample
3	hSec	int	10	False	Security Handle

BMESSAGEQUEUE

Messages used between programs and users

Primary Keys

- MSGNUMBER

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	MSGNUMBER	int	10	False	Message ID
2	MSGTYPE	varchar	32	True	Message Type
3	SENDER	varchar	255	True	Sender
4	DESTINATION	varchar	255	True	Destination
5	MESSAGEBODY	nvarchar	2000	True	Message
6	MessageObject	text	2147483647	True	
7	STATUS	varchar	50	True	Message Status
8	DETAIL1	varchar	64	True	Field for message detail 1
9	DETAIL2	varchar	64	True	Field for message detail 2
10	DETAIL3	varchar	64	True	Field for message detail 3
11	StatusUpdateDateTime	datetime		True	Last update
12	MsgLocked	int	10	True	Message is locked
13	MsgLockDateTime	datetime		True	When message was locked
14	CreateDateTime	datetime		True	When message was created
15	CreateUserID	varchar	50	True	Who created message
16	ModDateTime	datetime		True	Last record modification
17	ModUserID	varchar	12	True	Last modification user
18	MoveToArchive	bigint		True	Move record to archive
19	MessageText	nvarchar	2000	True	Message Text

BMessageTypes

List of message types

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	MsgTypeName	varchar	50	True	Message Type
2	Description	varchar	50	True	Message Type Description
3	IsNotification	int	10	True	Send notification

| | | | | | on message type |

BOTTLELIST

Bottle Label listing with Analysis

Primary Keys

- ACODE
- BOTTLECODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	Analysis Code
2	BOTTLECODE	varchar	24	False	Bottle Label
3	hSec	int	10	False	Security Handle
4	DEFAULTBOTTLECODE	smallint		False	Default Bottle Label

CALCDEFS

Calculation Definition for Analysis

Primary Keys

- ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	Analysis Code
2	KEYTEST	smallint		False	Key Test Index
3	CALCMDL	smallint		False	Calculated MDL
4	NNOPTION	smallint		False	Non Numeric Key value option
5	INVAR1	varchar	24	True	Input Parameter variable 1
6	INVAR2	varchar	24	True	Input Parameter variable 2
7	INVAR3	varchar	24	True	Input Parameter variable 3
8	INVAR4	varchar	24	True	Input Parameter variable 4
9	INVAR5	varchar	24	True	Input Parameter variable 5
10	INVAR6	varchar	24	True	Input Parameter variable 6
11	INVAR7	varchar	24	True	Input Parameter variable 7
12	INVAR8	varchar	24	True	Input Parameter variable 8
13	INVAR9	varchar	24	True	Input Parameter variable 9
14	INVAR10	varchar	24	True	Input Parameter

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
					variable 10
15	CFUNCT	varchar	128	False	Calculation Function
16	MODDATE	datetime		True	Modified Date
17	MODUSER	varchar	12	True	Modified User
18	hSec	int	10	False	Security Handle
19	DATETIMEOPTION	smallint		False	

CALCPARAMS

Listing of calculation parameters

Primary Keys

- ACODE
- INVAR_INDEX

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	Analysis Code
2	INVAR	varchar	24	False	Acode of Input variable
3	INVAR_INDEX	int	10	False	Index of variable

CBANLS

Analysis Listing for Certificate of Analysis Customer Base

Primary Keys

- CUSTBASE
- COANAME

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CUSTBASE	varchar	24	False	Customer Base Name
2	COANAME	varchar	100	False	COA Name
3	COAUNIT	varchar	14	True	COA Unit
4	COAFORMAT	varchar	10	True	COA Format
5	ACODE	varchar	24	True	Analysis Code
6	ANALYTE	varchar	100	False	Analyte
7	CONVFACT	real		True	Conversion factor
8	SPECTYPE	varchar	3	False	Spec Type
9	VAL1	varchar	14	True	Value 1
10	VAL2	varchar	14	True	Value 2
11	WEIGHT	smallint		False	Weight
12	ANLNUMB	smallint		False	
13	hSec	int	10	False	Security Handle
14	MULTIVALUE_OPTION	varchar	24	True	

CBCHARTANL

SQC Charting Analyte specification for Certificate of Analysis Customer Base

Primary Keys

- CUSTBASE
- COANAME
- CHARTTYPE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CUSTBASE	varchar	24	False	Customer Base Name
2	COANAME	varchar	100	False	COA Name
3	CHARTTYPE	varchar	8	False	Chart Type
4	OUTPUT	varchar	1	False	Output
5	RANGETYPE	varchar	1	False	Range Type
6	YAXISMIN	real		True	Y Axis Min value
7	YAXISMAX	real		True	Y Axis Max value
8	CHARTNUM	smallint		False	Chart number
9	hSec	int	10	False	Security Handle

CBCHARTHEAD

SQC Charting specification for Certificate of Analysis Customer Base

Primary Keys

- CUSTBASE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CUSTBASE	varchar	24	False	Customer Base Name
2	DATASELECTTYPE	varchar	1	False	Data selection type
3	DSVAL1	varchar	20	True	Data selection value 1
4	DSVAL2	varchar	20	True	Data selection value 2
5	XAXISLABEL	varchar	1	False	X Axis Label
6	SUBGROUPBY	varchar	1	False	Sub group by
7	SUBGROUPSIZE	smallint		False	Sub group size
8	LAYOUT	varchar	4	True	Chart Layout
9	OVERWRITE	smallint		False	overwrite header and run files option Flag
10	SHOWSPEC	smallint		False	Use COA specs option flag

11	RUNRULES	smallint		False	Use Pattern Rules option flag
12	NONNUMERIC	varchar	1	True	Non numeric result option
13	hSec	int	10	False	Security Handle

CBHEADER

Customer Base specification

Primary Keys

- CUSTBASE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CUSTBASE	varchar	24	False	Customer Base Name
2	PRODDESCR	varchar	32	True	Product Description
3	CUSTOMER	varchar	26	True	Customer Name
4	PRODID	varchar	16	True	Product ID
5	CUSTADsD1	varchar	30	True	Customer Address 1
6	CUSTADD2	varchar	30	True	Customer Address 2
7	CUSTADD3s	varchar	30	True	Customer Address 3
8	CUSTADD4	varchar	30	True	Customer Address 4
9	CUSTADD5	varchar	30	True	Customer Address 5
10	ATTN1	varchar	30	True	Attention Address 1
11	ATTN2	varchar	30	True	Attention Address 2
12	ATTN3	varchar	30	True	Attention Address 3
13	ATTN4	varchar	30	True	Attention Address 4
14	ATTN5	varchar	30	True	Attention Address 5
15	COPIES	smallint		False	Copies to Print
16	PROMPTGRP	varchar	8	True	Prompt Group name
17	CUSTFORM	varchar	100	True	Custom form name
18	MODDATE	datetime		True	Modified Date
19	MODUSER	varchar	12	True	Modified User
20	hSec	int	10	False	Security Handle

CBPROMPT

Prompt Groups in Customer Base. This table contains, standard Prompt Groups such as Lot No., Carrier, Ship Date, Destination etc, and the fields which are relevant to shipment

Primary Keys

- PROMPTGRP
- PRMTNUMB

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PROMPTGRP	varchar	8	False	Prompt Group
2	PRMTNUMB	smallint		False	Prompt Group Number
3	PRMTTEXT	varchar	30	True	Prompt Text
4	hSec	int	10	False	Security Handle

CBVARS

Custom form Layout variables in Customer Base

Primary Keys

- CUSTBASE
- VARNUMB

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CUSTBASE	varchar	24	False	Customer Base
2	VARNUMB	smallint		False	Variable Number (unique for each Customer Base)
3	VARCODE	varchar	6	False	Variable Code
4	VARCELL	varchar	8	True	
5	hSec	int	10	False	Security Handle

CCHARTDATA

Primary Keys

- CCGROUPNAME
- CCGROUPNUMBER
- SAMPNO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CCGROUPNAME	varchar	55	False	
2	CCGROUPNUMBER	int	10	False	
3	SAMPNO	varchar	7	False	Sample ID
4	VALIDATIONDATE	datetime		True	Validation Date
5	hSec	int	10	False	Security Handle

CCHARTHEADER

Primary Keys

- CCGROUPNAME
- CCGROUPNUMBER
- MATRIX

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CCGROUPNAME	varchar	50	False	
2	CCGROUPNUMBER	int	10	False	
3	ACODE	varchar	24	True	Analysis Code
4	ANALYTE	varchar	100	True	Analyte
5	MATRIX	varchar	24	False	Matrix
6	CCGROUPDATE	datetime		True	Grouped Date
7	hSec	int	10	False	Security Handle
8	MATRIX_INT	int	10	True	

CCHARTSETUP

Primary Keys

- ACODE
- ANALYTE
- MATRIX

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	Analysis Code
2	ANALYTE	varchar	100	False	Analyte
3	NPOINTS	int	10	False	
4	ANUM	int	10	False	
5	ANLNUM	int	10	False	
6	STARTDATE	datetime		True	Start Date
7	MATRIX	varchar	24	False	Matrix
8	hSec	int	10	False	Security Handle
9	LASTUPDATEDDATETIME	datetime		True	
10	MATRIX_INT	int	10	True	

CIM_Actions

Primary Keys

- Id

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Id	int	10	False	
2	Name	nvarchar	255	True	
3	Description	nvarchar	1024	True	
4	Manual	smallint		False	

CIM_AnlMethods

Primary Keys

- Initials
- Method

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Initials	varchar	12	False	
2	Method	varchar	255	False	
3	ExpDate	datetime		True	

CIM_ANLMETHODSSOP

Primary Keys

- INITIALS
- METHOD
- SOP_REFERENCE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INITIALS	varchar	12	False	
2	METHOD	varchar	255	False	
3	SOP_REFERENCE	varchar	24	False	
4	SOPREVIEWDATE	datetime		True	

CIM_CAPAEffectChecks

Primary Keys

- Id

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Id	int	10	False	
2	ReportId	int	10	False	

3	Type	varchar	255	False	
4	ScheduledDate	datetime		True	
5	StartSurpriseDate	datetime		True	
6	EndSurpriseDate	datetime		True	
7	Complete	smallint		False	
8	CompleteDate	datetime		True	
9	CreatedOn	datetime		False	
10	CreatedBy	int	10	False	
11	UpdatedOn	datetime		True	
12	UpdatedBy	int	10	True	

CIM_CAPAReports

Primary Keys

- Id

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Id	int	10	False	
2	ReportNumber	nvarchar	128	False	
3	ActionType	nvarchar	50	False	
4	AssignedUser	varchar	12	False	
5	AssignedDate	datetime		False	
6	DueDate	datetime		True	
7	Status	int	10	False	
8	Initiator	varchar	12	False	
9	CreatedOn	datetime		False	
10	CreatedBy	int	10	False	
11	UpdatedOn	datetime		True	
12	UpdatedBy	int	10	True	
13	InvIssue	nvarchar	2000	True	
14	InvProcess	nvarchar	2000	True	
15	InvRootCauseDetails	nvarchar	2000	True	
16	InvActions	nvarchar	2000	True	
17	InvDueDate	datetime		True	
18	InvModDate	datetime		True	
19	ImplVerifiedBy	varchar	12	True	
20	ImplVerifiedDate	datetime		True	
21	ImplAudit	smallint		False	
22	ImplAuditDate	datetime		True	
23	ImplDueDate	datetime		True	
24	ImplState	smallint		False	
25	ImplReason	nvarchar	2000	True	
26	ImplModDate	datetime		True	
27	CheckPerformedBy	varchar	12	True	
28	CheckIssueState	nvarchar	255	True	
29	CheckModDate	datetime		True	
30	CheckDueDate	datetime		True	
31	CheckFollowUp	nvarchar	2000	True	
32	CheckAction	nvarchar	2000	True	
33	SignUser	int	10	True	
34	SignDate	datetime		True	

| 35 | SignReason | nvarchar | 1024 | True | |

CIM_CAPARootCauses

Primary Keys

- Id

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Id	int	10	False	
2	ReportId	int	10	False	
3	ReportId	int	10	False	
4	RootCause	nvarchar	50	False	
5	CreatedOn	datetime		False	
6	CreatedBy	int	10	False	
7	UpdatedOn	datetime		True	
8	UpdatedBy	int	10	True	

CIM_CAPAStepApprovers

Primary Keys

- Id

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Id	int	10	False	
2	ReportId	int	10	False	
3	ReportId	int	10	False	
4	Step	int	10	False	
5	Approver	varchar	12	False	
6	ApproveDate	datetime		True	
7	CreatedOn	datetime		False	
8	CreatedBy	int	10	False	
9	UpdatedOn	datetime		True	
10	UpdatedBy	int	10	True	

CIM_CollectionGroups

Primary Keys

- Id

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Id	bigint		False	
2	Name	nvarchar	255	False	
3	Description	nvarchar	1024	True	

4	OwnerId	int	10	True	
5	Report	nvarchar	255	True	
6	CreatedOn	datetime		False	
7	CreatedBy	int	10	True	
8	UpdatedOn	datetime		True	
9	UpdatedBy	int	10	True	
10	CTReport	nvarchar	255	True	
11	IsReviewed	smallint		False	
12	BTLABELNAME	varchar	100	True	
13	BTLABELFORMAT	varchar	24	True	
14	BTPRINTCOPIES	int	10	True	
15	LogBatch	varchar	24	True	

CIM_CollectionGroupSamples

Primary Keys

- CollectionGroupId
- SampNo

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CollectionGroupId	bigint		False	
2	CollectionGroupId	bigint		False	
3	SampNo	varchar	7	False	
4	SampNo	varchar	7	False	
5	SampOrder	int	10	False	
6	Report	nvarchar	255	True	
7	CreatedOn	datetime		False	
8	CreatedBy	int	10	False	
9	UpdatedOn	datetime		True	
10	UpdatedBy	int	10	True	
11	CollectionStatus	int	10	False	
12	SignUser	int	10	True	
13	SignReason	nvarchar	1024	True	
14	SignDate	datetime		True	

CIM_InstMethods

Primary Keys

- InstCode
- Method

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	InstCode	varchar	24	False	
2	Method	varchar	255	False	
3	ExpDate	datetime		True	

CIM_NotificationActions

Primary Keys

- NotificationId
- ActionId

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	NotificationId	bigint		False	
2	NotificationId	bigint		False	
3	ActionId	int	10	False	
4	ActionId	int	10	False	
5	Completed	smallint		False	

CIM_Notifications

Primary Keys

- Id

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Id	bigint		False	
2	Header	nvarchar	512	False	
3	Text	nvarchar	2000	True	
4	NotificationType	int	10	False	
5	ObjectType	int	10	True	
6	ObjectId	varchar	255	True	
7	NotificationStatus	int	10	False	
8	RecipientUserId	int	10	True	
9	RecipientGroupId	varchar	24	True	
10	ApplicationId	int	10	True	
11	CreatedOn	datetime		False	
12	UpdatedOn	datetime		True	
13	NotificationKey	varchar	300	True	

CIM_Project

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	

2	NAME	nvarchar	255	False	
3	DESCRIPTION	nvarchar	1024	True	
4	PROJECT_TYPE	varchar	50	True	
5	STARTDATE	datetime		True	
6	ENDDATE	datetime		True	
7	CURRENT_STATE	varchar	50	True	
8	CUSTOMER	nvarchar	255	True	
9	PARENTID	int	10	True	
10	SORTORDER	int	10	True	
11	CREATEDON	datetime		False	
12	CREATEDBY	int	10	True	
13	UPDATEDON	datetime		True	
14	UPDATEDBY	int	10	True	
15	LEGACY_PROJECT	varchar	24	True	
16	SIGNUSER	int	10	True	
17	SIGNDATE	datetime		True	
18	SIGNREASON	varchar	1024	True	

CIM_ProjectFormulationItems

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	
2	FORMULATIONID	int	10	False	
3	ITEM	nvarchar	255	False	
4	QUANTITY	real		True	
5	MEASUREUNIT	varchar	50	True	
6	COMMENTTEXT	nvarchar	2000	True	
7	SORTORDER	int	10	True	
8	CREATEDON	datetime		False	
9	CREATEDBY	int	10	True	
10	UPDATEDON	datetime		True	
11	UPDATEDBY	int	10	True	

CIM_ProjectFormulations

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	
2	PROJECTID	int	10	False	

3	PROJECTID	int	10	False	
4	PROCESS	nvarchar	-1	True	
5	SUMMARY	nvarchar	-1	True	
6	CREATEDON	datetime		False	
7	CREATEDBY	int	10	True	
8	UPDATEDON	datetime		True	
9	UPDATEDBY	int	10	True	

CIM_ProjectUserFields

Primary Keys

- PROJECTID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PROJECTID	int	10	False	
2	PROJECTID	int	10	False	

CIM_SampleLog

Primary Keys

- Id

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Id	int	10	False	
2	SampleId	varchar	7	False	
3	CurrentState	varchar	50	True	
4	ChangedOn	datetime		False	

CIM_Schedule

Primary Keys

- Id

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Id	bigint		False	
2	ApplicationId	int	10	True	
3	ObjectType	int	10	True	
4	ObjectId	varchar	255	True	
5	Type	int	10	False	
6	Active	smallint		False	
7	Text	nvarchar	2000	True	
8	Header	nvarchar	512	False	
9	SendMail	smallint		False	

10	SendPush	smallint		False	
11	StartDate	datetime		False	
12	EndDate	datetime		True	
13	Period	int	10	True	
14	PeriodType	int	10	False	
15	LastRunTime	datetime		True	
16	CreatedBy	int	10	False	
17	CreatedOn	datetime		False	
18	UpdatedBy	int	10	True	
19	UpdatedOn	datetime		True	

CIM_ScheduleAction

Primary Keys

- ScheduleId
- ActionId

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ScheduleId	bigint		False	
2	ScheduleId	bigint		False	
3	ActionId	int	10	False	
4	ActionId	int	10	False	

CIM_ScheduledPrograms

Primary Keys

- Id

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Id	int	10	False	
2	ScheduleId	int	10	False	
3	Program	varchar	4096	False	
4	ProgramParams	varchar	255	True	
5	RequiredTime	datetime		True	
6	RunTime	datetime		True	

CIM_ScheduleRecipientGroup

Primary Keys

- ScheduleId
- UserGroup

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description

1	ScheduleId	bigint		False	
2	ScheduleId	bigint		False	
3	UserGroup	varchar	24	False	

CIM_ScheduleRecipientUser

Primary Keys

- ScheduleId
- UserId

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ScheduleId	bigint		False	
2	ScheduleId	bigint		False	
3	UserId	int	10	False	
4	UserId	int	10	False	

CIM_Settings

Primary Keys

- Key

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Key	nvarchar	255	False	
2	Value	nvarchar	2000	True	
3	CreatedOn	datetime		False	
4	CreatedBy	int	10	True	
5	UpdatedOn	datetime		True	
6	UpdatedBy	int	10	True	

CInv_Analysis

Analysis details in Inventory Management

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample Number
2	ACODE	varchar	24	False	Analysis Code
3	ASTATUS	smallint		True	Status
4	STATUSCOUNTER	smallint		True	

CInv_Certifications

Certifications in Inventory Management

Primary Keys

- CertificationDate
- Transaction_ID
- Item_ID
- Lot_No

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CertificationDate	datetime		False	Certification Date
2	Transaction_ID	int	10	False	Transaction Identifier
3	Item_ID	int	10	False	Item Identifier
4	Lot_No	varchar	24	False	Lot number
5	NextCertification Date	datetime		False	Next certification date
6	CreationTime	datetime		False	Creation time
7	Creator	int	10	False	Creator

CInv_ItemAttachments

Item attachment details in Inventory Management

Primary Keys

- Item_ID
- Attachment_Type
- Attachment_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Item_ID	int	10	False	Item Identifier
2	Attachment_Type	varchar	100	False	Attachment Type
3	Attachment_ID	int	10	False	Attachment Identifier
4	AttachedFileName	varchar	1000	True	Attached File name
5	Comments	varchar	255	True	Comments
6	DeleteFlag	varchar	1	False	Start Date

CInv_ItemInst

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Item Instrument Identifier
2	Item_ID	int	10	False	Item Identifier
3	InstrumentType	varchar	50	False	Instrument Type
4	Description	varchar	200	True	Description

CInv_ItemMixtureInst

Instrument details related to item mixture

Primary Keys

- ID
- ItemMixtureMaster_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Item Identifier
2	ItemMixtureMaster_ID	int	10	False	Item Mixture Master Identifier
3	InstrumentType	varchar	50	False	Instrument Type

CInv_ItemMixtureMaster

Item mixture master details in Inventory Management

Primary Keys

- ID
- Item_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Identifier
2	MixtureItem_ID	int	10	False	Mixture Item Identifier
3	Item_ID	int	10	False	Item Identifier
4	Quantity	real		False	Quantity
5	Unit	varchar	50	True	Unit
6	Detail1	varchar	4000	True	Detail 1
7	Detail2	varchar	4000	True	Detail 2

CInv_Items

Item details in Inventory Management

Primary Keys

- Item_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Item_ID	int	10	False	Item Identifier
2	Item_Code	varchar	24	False	Item Code
3	Item_Name	varchar	100	False	Item Name
4	Item_Description	varchar	255	True	Item Description
5	CASNumber	varchar	20	True	CAS Number
6	NeedsCertification	bit		False	Needs Certification
7	HasShelfLife	bit		False	Has Shelf Life
8	ShelfLife	real		True	Shelf Life
9	ShelfLifeUnit	varchar	50	True	Shelf Life Unit
10	Item_Type	varchar	50	False	Item Type
11	StorageUnit	varchar	50	False	Storage Unit
12	ConsumptionUnit	varchar	50	False	Consumption Unit
13	ConversionFactor	real		False	Conversion Factor
14	RecommendedStock	real		False	Recommended Stock
15	AllowableStock	real		False	Allowable Stock
16	ThresholdValue	real		False	Threshold Value
17	WarningDescription	varchar	255	True	Warning Description
18	PrecautionDescription	varchar	255	True	Precaution Description
19	Manufacturer	varchar	100	True	Manufacturer
20	CreationTime	datetime		True	Creation Time
21	Creator	int	10	False	Creator
22	DeleteFlag	bit		False	Delete Flag
23	Comments	varchar	255	True	Comments
24	MSDS_ID	varchar	24	True	SDS Identifier
25	MSDS_ReviewedDate	datetime		True	SDS Review Date
26	MSDS_ExpiryDate	datetime		True	SDS Expiry Date
27	MSDS_Location	varchar	1000	True	SDS Location
28	MSDS_Comments	varchar	255	True	SDS Comments
29	ExpiryAlertDays	int	10	True	Expiry Alert Days
30	ExpiryDays	int	10	True	Expiry Days
31	IsMixture	bit		True	Is Mixture
32	SINFOFRM	varchar	24	True	SI Info Form
33	LabelFormatID	int	10	True	Label Format Identifier
34	LabelPrefix	varchar	50	False	Label Prefix
35	SOP	varchar	4000	True	SOP
36	GRADE	varchar	40	True	Grade of an Item (Container, Batch or Material)
37	QCAnalysisCode	text	2147483647	True	

CInv_ItemsSafteyInformation

Safety information for items details in Inventory Management

Primary Keys

- ID
- Item_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Identifier
2	Item_ID	int	10	False	Item Identifier
3	Type	varchar	15	False	Type
4	Name	varchar	15	False	Name
5	Value	bit		False	Value

CInv_ItemStock

Item stock details in Inventory Management

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Identifier
2	Item_ID	int	10	False	Item Identifier
3	SL_ID	int	10	False	Storage Location Identifier
4	Lot_No	varchar	24	False	Lot Number
5	Batch_No	varchar	24	True	Batch Number
6	Container_ID	varchar	24	True	Container Identifier
7	ExpiryDate	datetime		True	Expiry Date
8	AvailableQuantity	real		False	Available Quantity
9	QuarantineQuantity	real		False	Quarantine Quantity
10	TotalQuantity	real		False	Total Quantity
11	ConsumedQuantity	real		False	Consumed Quantity
12	ReceivedQuantity	real		False	Received Quantity
13	ReconsiledQuantity	real		False	Reconsiled Quantity
14	Current_State	varchar	20	False	Current State
15	IsQuarantined	bit		True	Is Quarantined
16	SheduledExpiryDate	datetime		False	Scheduled Expiry date
17	Barcode	varchar	50	False	Barcode
18	Price	real		True	Price
19	QCSample	varchar	10	True	QC Sample

20	VerifiedBy	varchar	20	True	Verified By
21	VerifiedDate	datetime		True	Verified Date
22	SDS	varchar	255	True	SDS
23	EXT_Cert_Analysis	varchar	255	True	Ext Cert Analysis
24	DeleteFlag	bit		True	Delete Flag
25	PhysicalReconcileVerifiedBy	varchar	20	True	Physical Reconcile Verified By
26	PhysicalReconcileVerifiedDate	datetime		True	Physical Reconcile Verified Date
27	PREPARED_BY	varchar	40	True	Prepared By
28	SupplierID	int	10	True	Supplier Id
29	PARENTSTOCKID	int	10	True	
30	Manufacturer	varchar	100	True	Manufacturer details
31	DESCRIPTION	varchar	100	True	Item Stock Description
32	LASTUPDATEDDATE	datetime		True	Last Updated Date
33	PRNO_EXT_REFERENCE	varchar	20	True	PR No ext reference
34	PRNO_TYPE	varchar	8	False	PR No Type

CInv_ItemStockInst

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Item Stock Instrument Identifier
2	ItemStockID	int	10	False	Item Stock Identifier
3	InstCode	varchar	24	False	Instrument Code
4	ItemInstID	int	10	False	Item Instrument Identifier

CInv_ItemStockMixture

Item stock mixture details in Inventory Management

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description

1	ID	int	10	False	Identifier
2	MixtureItemStockID	int	10	False	Mixture Item Stock Identifier
3	ItemStockID	int	10	False	Item Stock Identifier
4	Quantity	real		False	Quantity
5	Unit	varchar	50	True	Unit
6	Detail1	varchar	4000	True	Detail 1
7	Detail2	varchar	4000	True	Detail 2

CInv_ItemStockMixtureInst

Item stock mixture details in Inventory Management

Primary Keys

- ID
- ItemStockMixtureID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Identifier
2	ItemStockMixtureID	int	10	False	Mixture Item Stock Identifier
3	InstCode	varchar	24	False	Item Stock Identifier

CInv_ItemSuppliers

Item supplier details in Inventory Management

Primary Keys

- ID
- Item_ID
- Supplier_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Identifier
2	Item_ID	int	10	False	Item Identifier
3	Supplier_ID	int	10	False	Supplier Identifier
4	DeleteFlag	bit		True	Delete Flag
5	IsPrefered	bit		True	Is Prefered

CInv_KitItems

Items related to kit details in Inventory Management

Primary Keys

- ID
- Kit_ID
- Item_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Identifier
2	Kit_ID	int	10	False	Kit Identifier
3	Item_ID	int	10	False	Item Identifier
4	ConsumptionQuantity	real		False	Consumption Quantity
5	DeleteFlag	bit		False	Delete Flag

CInv_Kits

Kit details in Inventory Management

Primary Keys

- Kit_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Kit_ID	int	10	False	Kit identifier
2	Kit_Code	varchar	24	False	Kit Code
3	Kit_Name	varchar	50	False	Kit Name
4	Kit_Description	varchar	255	True	Kit Description
5	DeleteFlag	bit		False	Delete Flag
6	CreationTime	datetime		False	Creation time
7	Creator	int	10	False	Creator

CInv_Picklists

Pick list details in Inventory Management

Primary Keys

- PLName
- PLItemNo

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PLName	varchar	20	False	Pick list name
2	PLItemNo	int	10	False	Pick list item number
3	PLItem	varchar	50	False	Pick list item
4	PLDescr	varchar	50	True	Pick list description
5	hSec	int	10	True	Security Handle

CInv_PurchaseReq

Purchase Requisition in Inventory Management

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Identifier
2	PRNO	varchar	20	False	Purchase Requisition Number
3	RequestedBy	varchar	12	True	Requested By
4	RequestDate	datetime		True	Request Date
5	SpecialInstructions	varchar	4000	True	Special Instructions
6	ExpectedReceiptDate	datetime		True	Expected Receipt Date
7	EstimatedCost	real		True	Estimated Cost
8	CreationTime	datetime		False	Creation Time
9	Current_State	varchar	20	True	Current State
10	OrderNumber	varchar	20	True	Order Number
11	OrderDate	datetime		True	Order Date

CInv_PurchaseReqDet

Purchase Requisition details in Inventory Management

Primary Keys

- ID
- PurchaseReqID
- Item_ID
- SupplierID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Identifier
2	PurchaseReqID	int	10	False	Purchase Requisition Identifier
3	Item_ID	int	10	False	Item Identifier
4	Lot_No	varchar	24	True	
5	ReceivedQuantity	real		True	Received Quantity
6	ExpectedQuantity	real		True	Expected Quantity
7	SupplierID	int	10	False	Supplier Identifier
8	Status	varchar	20	True	Status
9	CreationTime	datetime		False	Creation Time

CInv_ReceiptItemPrice

Receipt item price details in Inventory Management

Primary Keys

- Transaction_ID
- Item_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Transaction_ID	int	10	False	Transaction Identifier
2	Item_ID	int	10	False	Item Identifier
3	Price	real		False	Price

CInv_Sample

Sample details in Inventory Management

Primary Keys

- ID
- ItemStockID
- KitID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Identifier
2	SampleNo	varchar	7	False	Sample Number
3	ItemStockID	int	10	False	Item Stock Identifier
4	SL_ID	int	10	False	Storage Location Identifier
5	Lot_No	varchar	24	False	Lot Number
6	ACode	varchar	24	False	Analysis Code
7	KitID	int	10	False	Kit Identifier
8	CreateTime	datetime		False	Creation Time
9	Quantity	real		False	Quantity

CInv_StorageLocations

Storage location details in Inventory Management

Primary Keys

- SL_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description

1	SL_ID	int	10	False	Storage Location Identifier
2	SL_Name	varchar	50	False	Storage Location Name
3	SL_FullName	varchar	1000	False	Storage Location Full Name
4	SL_Description	varchar	255	True	Storage Location Description
5	SL_ParentID	int	10	False	Storage Location Parent Identifier
6	CanConsume	bit		True	Can consume
7	CreationTime	datetime		True	Creation Time
8	Creator	int	10	False	Creator
9	DeleteFlag	bit		True	Delete Flag

CInv_Suppliers

Supplier details in Inventory Management

Primary Keys

- Supplier_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Supplier_ID	int	10	False	Supplier Identifier
2	Supplier_Code	varchar	24	False	Supplier Code
3	Supplier_Name	varchar	100	True	Supplier Name
4	Address1	varchar	60	True	Address 1
5	Address2	varchar	60	True	Address 2
6	City	varchar	60	True	City
7	State	varchar	60	True	State
8	Country	varchar	60	True	Country
9	Zip	varchar	15	True	Zip
10	Telephone	varchar	24	True	Telephone
11	Fax	varchar	24	True	Fax
12	Email	varchar	100	True	Email
13	ContactPerson	varchar	100	True	Contact Person
14	CreationTime	datetime		True	Contact Time
15	Creator	int	10	False	Creator
16	DeleteFlag	bit		False	Delete Flag

CInv_TestConfig

Test Config in Inventory Management

Primary Keys

- Config_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description

1	Config_ID	int	10	False	Config Identifier
2	ACODE	varchar	24	False	Analysis Code
3	Config_Code	varchar	24	False	Configuration Code
4	CreationTime	datetime		False	Creation Time
5	Creator	int	10	False	Creator
6	DeleteFlag	bit		False	Delete Flag

CInv_TestConfigDetails

Test Config details in Inventory Management

Primary Keys

- ID
- Config_ID
- Kit_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Config Identifier
2	Config_ID	int	10	False	Analysis Code
3	Kit_ID	int	10	False	Configuration Code
4	SL_ID	int	10	False	
5	DeleteFlag	bit		False	Delete Flag

CInv_Transaction

Transaction details in Inventory Management

Primary Keys

- Transaction_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Transaction_ID	int	10	False	Transaction Identifier
2	Transaction_Date	datetime		False	Transaction Date
3	TransactionType	varchar	24	False	Transaction Type
4	VoucherCode	varchar	24	True	Voucher Code
5	IssuingAgentID	int	10	False	Issuing Agent Identifier
6	IssuingAgentType	varchar	150	True	Issuing Agent Type
7	ReceivingAgentID	int	10	False	Receiving Agent Identifier
8	ReceivingAgentType	varchar	150	True	Receiving Agent Type
9	Narration	varchar	255	True	Narration

| 10 | CreationTime | datetime | | False | Creation Time |
| 11 | Creator | int | 10 | False | Creator |

CInv_TransactionItems

Items associated with transaction in Inventory Management

Primary Keys

- ID
- Transaction_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Identifier
2	Transaction_ID	int	10	False	Transaction Identifier
3	AgentType	varchar	150	True	Agent Type
4	AgentID	int	10	False	Agent Identifier
5	ItemStockID	int	10	False	Item Stock Identifier
6	Quantity	real		False	Quantity

CMDP_EXPORT_LOOKUP

Export Lookup details related to CMDP in Inventory Management

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Identifier
2	Code	varchar	10	False	Code
3	Description	varchar	500	False	Description

COAANLS

Analytes listing for defined Certificate of Analysis

Primary Keys

- COANUMBER
- COAANALYTE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	COANUMBER	int	10	False	COA Number
2	COAANALYTE	varchar	40	False	Analyte

					Abbreviation
3	ANLNUMB	smallint		False	Analyte Number (unique within a COA Number)
4	COARESULT	varchar	20	True	Result Status
5	COAUNIT	varchar	14	True	Unit
6	COASPEC	varchar	20	True	Specification
7	SPECTYPE	varchar	20	False	Specification Type
8	VAL1	varchar	14	True	Value 1
9	VAL2	varchar	14	True	Value 2
10	INSPEC	smallint		False	
11	ACODE	varchar	24	True	Analysis Code
12	ANALYTE	varchar	100	True	Analyte Name
13	METREF	varchar	20	True	Method Reference
14	hSec	int	10	False	Security Handle

COAHEAD

Listing of all COA reports generated and its details

Primary Keys

- COANUMBER

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	COANUMBER	int	10	False	COA Number
2	COADATE	datetime		True	COA generation Date
3	COAUSER	varchar	12	True	COA generated User
4	CUSTBASE	varchar	24	False	Customer Base
5	SAMPNOS	varchar	255	True	Sample ID
6	PASSED	smallint		False	Passed Flag
7	SCORE	int	10	False	Evaluation Score
8	PRODDESCR	varchar	32	True	Product Description
9	CUSTOMER	varchar	26	True	Customer name
10	PRODID	varchar	16	True	Product ID
11	CUSTADD1	varchar	30	True	Customer Address 1
12	CUSTADD2	varchar	30	True	Customer Address 2
13	CUSTADD3	varchar	30	True	Customer Address 3
14	CUSTADD4	varchar	30	True	Customer Address 4
15	CUSTADD5	varchar	30	True	Customer Address 5
16	ATTN1	varchar	30	True	Attention Address 1
17	ATTN2	varchar	30	True	Attention Address 2
18	ATTN3	varchar	30	True	Attention Address 3

19	ATTN4	varchar	30	True	Attention Address 4
20	ATTN5	varchar	30	True	Attention Address 5
21	RTPROMPT1	varchar	30	True	Report Prompt 1
22	RTVALUE1	varchar	30	True	Report Value 1
23	RTPROMPT2	varchar	30	True	Report Prompt 2
24	RTVALUE2	varchar	30	True	Report Value 2
25	RTPROMPT3	varchar	30	True	Report Prompt 3
26	RTVALUE3	varchar	30	True	Report Value 3
27	RTPROMPT4	varchar	30	True	Report Prompt 4
28	RTVALUE4	varchar	30	True	Report Value 4
29	RTPROMPT5	varchar	30	True	Report Prompt 5
30	RTVALUE5	varchar	30	True	Report Value 5
31	RTPROMPT6	varchar	30	True	Report Prompt 6
32	RTVALUE6	varchar	30	True	Report Value 6
33	RTPROMPT7	varchar	30	True	Report Prompt 7
34	RTVALUE7	varchar	30	True	Report Value 7
35	RTPROMPT8	varchar	30	True	Report Prompt 8
36	RTVALUE8	varchar	30	True	Report Value 8
37	APPROVEDBY	varchar	30	True	COA Approved by (user)
38	APPRVTITLE	varchar	30	True	Approver Title
39	OTHER1	varchar	80	True	Comments 1
40	OTHER2	varchar	80	True	Comments 2
41	OTHER3	varchar	80	True	Comments 3
42	hSec	int	10	False	Security Handle

COMMENTS

Sample / Analysis comments (The value of the field ACODE is "_SAMPLE_" for sample comments and the actual analysis code for analysis comments) - Moved to LabObjComments in 6.4

Primary Keys

- SAMPNO
- ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample ID
2	ACODE	varchar	24	False	Analysis Code / "_SAMPLE_" specification – for Sample
3	COMMENTS	text	2147483647	True	Comments
4	hSec	int	10	False	Security Handle

COMPONENT

Primary Keys

- COMPONENT_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	COMPONENT_ID	varchar	50	False	Component Identifier
2	OWNER	varchar	50	True	Owner
3	ASSEMBLY_NAME	varchar	255	True	Assembly Name
4	TYPE_NAME	varchar	255	True	Type Name
5	METHOD_NAME	varchar	255	True	Method Name
6	CREATED_BY	varchar	50	True	Created By
7	CREATED_ON	varchar	50	True	Created On

CONTAINER_ANALYSIS

Primary Keys

- CONT_NO
- ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CONT_NO	bigint		False	Container No
2	ACODE	varchar	24	False	Analysis Code

CONTAINER_HEADER

Primary Keys

- CONT_NO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CONT_NO	bigint		False	Container Number
2	OBJID	varchar	50	True	Object Identifier
3	PSSAMPLEID	bigint		True	PS Sample Identifier
4	CONT_CODE	nvarchar	50	True	Container Type
5	CONT_DESC	nvarchar	60	True	Container Description
6	CONT_PRESERVE	nvarchar	50	True	Container Preserve
7	CONT_ID	nvarchar	50	True	Container Identifier
8	CONT_KIT	nvarchar	50	True	Container Kit
9	CONT_VOLUME	nvarchar	50	True	Container Volume
10	CONT_LOCATION	nvarchar	50	True	Container Location
11	CONT_DISPOSAL	nvarchar	50	True	Container Disposal
12	CONT_DISPOS	datetime		True	Container

	AL_DATE				Disposal Date
13	CONT_DISPOSED	int	10	True	Container Disposed
14	CONT_LOCKED	int	10	True	Container Locked
15	CONT_LOCKED_USER	nvarchar	50	True	Container Locked User
16	CONT_LOT_NUM	nvarchar	50	True	Container Lot Number
17	CONT_MFG_SEQNUM	nvarchar	50	True	Container Manufacturing Sequence Number
18	MODDATE	datetime		True	ModDate
19	OBJTYPE	varchar	40	False	Object Type
20	CONT_SIZE	nvarchar	50	True	Container Size
21	CONTTYPE	nvarchar	50	True	Container Type
22	CONT_RECEIVING_TEMPERATURE	nvarchar	100	True	
23	CONT_STATUS	nvarchar	50	True	

CONTAINER_HISTORY

Primary Keys

- CONT_KEY

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CONT_KEY	bigint		False	Container Key
2	SAMPNO	varchar	7	True	Sample Number
3	PSSAMPLEID	bigint		True	PS Sample Identifier
4	CONT_NO	bigint		True	Container Number
5	CONT_LOCATION	nvarchar	50	True	Container Location
6	CONT_RELEASED_BY	nvarchar	50	True	Container Released By
7	CONT_RECEIVED_BY	nvarchar	50	True	Container Received By
8	CONT_TRANSFER_DATE	datetime		True	Container Transfer Date
9	CONT_TRANSFER_REASON	nvarchar	50	True	Container Transfer Reason
10	CONT_MOVE_SIGNATURE	bigint		True	Container Move Signature
11	CONT_MOD_DATE	datetime		True	Container Modification Date
12	CONT_MOD_USER	nvarchar	50	True	Container Modified by User

DATASTORE

The DATASTORE table stores the configuration settings for the Labworks desktop as well as a number of the other programs. The actual configuration information is stored in the Data field as an XML string

Primary Keys

- Key1
- Key2
- Key3
- Version

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Key1	varchar	50	False	
2	Key2	varchar	50	False	
3	Key3	varchar	50	False	
4	Version	int	10	False	
5	Data	text	2147483647	True	XML string with configuration settings
6	DateTime_Created	datetime		True	Creation date/time
7	Created_By	varchar	50	True	Name of person who created the record
8	DateTime_Modified	datetime		True	Modification date/time
9	Modified_By	varchar	50	True	Name of person who modified the record
10	hSec	int	10	False	Security Handle
11	CURRENT_STATE	varchar	50	True	Object State

DCL_ChartPoints

Primary Keys

- ChartNumb
- SampleID
- ReplNumber
- PointDateTime

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ChartNumb	int	10	False	
2	SampleID	varchar	7	False	
3	ReplNumber	int	10	False	
4	PointDateTime	datetime		False	
5	PointValue	real		True	
6	AnalystID	varchar	12	True	
7	AnalystName	varchar	50	True	

8	PointComment	varchar	255	True	
9	ComtUserID	varchar	12	True	
10	ComtEditDate	datetime		True	
11	MODDATE	datetime		True	
12	MODUSER	varchar	12	True	
13	hSec	int	10	False	

DCL_Charts

Primary Keys

- ChartNumb

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ChartNumb	int	10	False	
2	TeamName	varchar	50	False	
3	ACODE	varchar	24	False	
4	ANLNAME	varchar	100	False	
5	ChartType	varchar	50	True	
6	ResultUnit	varchar	14	True	
7	MaxPoints	smallint		False	
8	ChartDateType	varchar	8	False	
9	ChartStatus	varchar	12	True	
10	OpenDate	datetime		True	
11	ApprID	varchar	12	True	
12	ApprDate	datetime		True	
13	ApprComment	varchar	255	True	
14	MeanValue	real		True	
15	UpperCL	real		True	
16	UpperWL	real		True	
17	LowerCL	real		True	
18	LowerWL	real		True	
19	PriorMeanValue	real		True	
20	PriorUpperCL	real		True	
21	PriorUpperWL	real		True	
22	PriorLowerCL	real		True	
23	PriorLowerWL	real		True	
24	MODDATE	datetime		True	
25	MODUSER	varchar	12	True	
26	hSec	int	10	False	

DCL_Template

Primary Keys

- TeamName
- ACODE
- ANLNAME
- ChartType

Sr.No.	Name	Type	Size	Allow Null	Description

			(Characters)	(True/False)	
1	TeamName	varchar	50	False	
2	ACODE	varchar	24	False	
3	ANLNAME	varchar	100	False	
4	ChartType	varchar	50	False	
5	ResultUnit	varchar	14	True	
6	MaxPoints	smallint		False	
7	CalcPoints	smallint		False	
8	ChartDateType	varchar	8	False	
9	MeanValue	real		True	
10	MODDATE	datetime		True	
11	MODUSER	varchar	12	True	
12	hSec	int	10	False	

DCL_TemplLimit

Primary Keys

- TeamName
- ACODE
- ANLNAME
- ChartType
- LimitName

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	TeamName	varchar	50	False	
2	ACODE	varchar	24	False	
3	ANLNAME	varchar	100	False	
4	ChartType	varchar	50	False	
5	LimitName	varchar	50	False	
6	Description	varchar	50	True	
7	LimitType	varchar	10	False	
8	RelationType	varchar	50	True	
9	Value1	varchar	24	True	
10	Value2	varchar	16	True	
11	MODDATE	datetime		True	
12	MODUSER	varchar	12	True	
13	hSec	int	10	False	

DCL_TemplPoints

Primary Keys

- TeamName
- ACODE
- ANLNAME
- ChartType
- SampleID
- ReplNumber

Sr.No.	Name	Type	Size	Allow Null	Description

			(Characters)	(True/False)	
1	TeamName	varchar	50	False	
2	ACODE	varchar	24	False	
3	ANLNAME	varchar	100	False	
4	ChartType	varchar	50	False	
5	SampleID	varchar	7	False	
6	ReplNumber	int	10	False	
7	PointDateTime	datetime		False	
8	PointValue	real		True	
9	AnalystID	varchar	12	True	
10	AnalystName	varchar	50	True	
11	PointComment	varchar	255	True	
12	ComtUserID	varchar	12	True	
13	ComtEditDate	datetime		True	
14	MODDATE	datetime		True	
15	MODUSER	varchar	12	True	
16	hSec	int	10	False	

DE_HISTORY

Primary Keys

- SAMPNO
- ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	
2	ACODE	varchar	24	False	
3	EXPANSION_COUNT	int	10	True	
4	EXPANSION_PREV_SAMPNO	varchar	7	True	
5	MODDATE	datetime		True	

DE_SETUP

Primary Keys

- EXPANSION_CODE
- EXPANSION_INDEX

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	EXPANSION_CODE	varchar	24	False	
2	EXPANSION_INDEX	int	10	False	
3	EXPANSION_DESC	varchar	50	True	
4	EXPANSION_LINE	varchar	50	True	
5	EXPANSION_A	varchar	24	True	

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
	CODE				
6	EXPANSION_ACTIVE	int	10	True	
7	EXPANSION_FREQ	int	10	True	
8	EXPANSION_COUNT	int	10	True	
9	EXPANSION_RESET_TYPE	varchar	24	True	
10	EXPANSION_RESET_PERIOD	varchar	24	True	
11	EXPANSION_RESET_PERIOD_TIME	datetime		True	
12	EXPANSION_RESET_FREQ	int	10	True	
13	EXPANSION_RESET_TIME	datetime		True	
14	EXPANSION_RESET_DAY	int	10	True	
15	EXPANSION_RESET_FIELD	varchar	24	True	
16	EXPANSION_MASTER_FIELD	varchar	24	True	
17	EXPANSION_MASTER_VALUE	varchar	50	True	
18	EXPANSION_FILL_TYPE	int	10	True	
19	EXPANSION_PREV_VALUE	varchar	50	True	
20	EXPANSION_PREV_SAMPNO	varchar	7	True	
21	EXPANSION_PREV_DATE	datetime		True	
22	MODUSER	varchar	12	True	
23	MODDATE	datetime		True	

DE_TRANSITION

Primary Keys

- EXPANSION_CODE
- EXPANSION_LINE
- MATERIAL

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	EXPANSION_CODE	varchar	24	False	
2	EXPANSION_LINE	varchar	50	False	
3	MATERIAL	varchar	50	False	
4	FORCE_RESET	int	10	True	

DEPENDENT_ANALYSIS

Primary Keys

- ACODE
- DEPENDENT_ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	
2	ACODE	varchar	24	False	
3	DEPENDENT_A CODE	varchar	24	False	
4	DEPENDENT_A CODE	varchar	24	False	
5	SEQ_NO	int	10	False	

DLCOMMENTS

The DLCOMMENTS table stored the default comments for a location code. At the time of sample login the default comments for the location code are loaded so they can be edited and stored in the COMMENTS table after login is completed. Moved to LabObjComments in ver 6.4

Primary Keys

- LOCCODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	LOCCODE	varchar	24	False	Location Code
2	COMMENTS	text	2147483647	True	Comments
3	hSec	int	10	False	Security Handle

DOCREFERENCE

Listing of Document References (for Reference Maintenance Program)

Primary Keys

- REFNAME
- REFTYPE
- CREATEDATE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	REFNAME	varchar	24	False	Reference Name
2	REFTYPE	varchar	8	False	Reference Type (MAP, MSDS, SOP)
3	CREATEDATE	datetime		False	Creation Date

4	REFERENCE	varchar	255	True	Reference File specification
5	REFTITLE	varchar	60	True	Reference Title
6	REMARKS	varchar	255	True	Remarks
7	CREATEINIT	varchar	12	False	User Initial
8	CREATENAME	varchar	50	True	User Name
9	hSec	int	10	False	Security Handle

DV_NARRATIVE_STATUS

DataViewer Narrative text status

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	S_OPERATOR	varchar	4000	True	Operator Name
2	S_VALUE1	real		True	Value 1
3	S_VALUE2	real		True	Value 2
4	S_NAME	varchar	50	True	Name

DV_NARRATIVE_VALUES

DataViewer Narrative text values

Primary Keys

- CODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	CODE	varchar	10	False	Code
2	VALUE	text	2147483647	True	Point Value
3	POINT	int	10	True	Point Index

ERDETAIL

Exception Report Details

Primary Keys

- ERNAME
- ITEMTYPE
- ITEMNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ERNAME	varchar	16	False	Exception Report Name
2	ITEMTYPE	varchar	8	False	Report Item

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
					Type
3	ITEMNUM	smallint		False	Item Number (unique for each Report)
4	ITEMVAL1	varchar	80	True	Value 1
5	ITEMVAL2	varchar	80	True	Value 2
6	hSec	int	10	False	Security Handle

ERHEADER

Exception Report Header details

Primary Keys

- ERNAME

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ERNAME	varchar	16	False	Exception Report Name
2	DESCR	varchar	60	True	Description
3	TIMEOPT	varchar	8	True	Time Option
4	ENDTIME	varchar	8	True	End Time
5	DURATION	int	10	False	Duration
6	SORTBY	varchar	8	True	Sort By
7	INCWARNING	smallint		False	Include Warnings violations option flag
8	VALOPTION	varchar	8	True	Validation option
9	CREATEDATE	datetime		True	Created Date
10	CREATEUSER	varchar	12	True	Created User
11	MODDATE	datetime		True	Last Modified Date
12	MODUSER	varchar	12	True	Last Modified User
13	hSec	int	10	False	Security Handle

ErrorLog

Recorded Errors

Primary Keys

- ErrorID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ErrorID	int	10	False	Error Index
2	ErrorDescription	nvarchar	2000	True	Description
3	ErrorDateTime	datetime		True	When error occurred
4	ErrorApplication	varchar	50	True	Application

5	UserID	varchar	50	True	User Index
6	UserInitials	varchar	50	True	User Initials
7	SecurityLevel	varchar	50	True	Security Level
8	LogType	varchar	50	True	Error Type
9	ErrorClass	varchar	4000	True	Error Class
10	ErrorMethod	varchar	4000	True	Error Method
11	ErrorAssembly	varchar	4000	True	Error Assembly
12	AssemblyVersion	varchar	4000	True	Version
13	WorkStationID	varchar	50	True	Workstation
14	Detail1	varchar	4000	True	Error Details
15	Detail2	varchar	4000	True	Error Details

EWORKSHEETDATA

EWorksheet data

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	bigint		False	Identifier
2	NAME	varchar	40	False	Name
3	DESCRIPTION	varchar	2000	True	Description
4	TEMPLATE_NAME	varchar	50	False	Template Name
5	SAMPLEOPTION	int	10	False	Sample Option
6	CURRENT_STATE	varchar	20	False	Current Status
7	CREATED_BY	varchar	12	False	Created By
8	CREATED_DATE	datetime		False	Created Date
9	MODUSER	varchar	12	True	Modified by User
10	MODDATE	datetime		True	Modification Date
11	HSEC	int	10	True	Security Handle
12	SAMPLE_SELECTION_CONFIGURATION	text	2147483647	True	

EWRKSHEETSAMPS

EWorksheet Samples

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	EWORKSHEETID	bigint		True	Identifier

2	SAMPNO	varchar	7	True	Sample ID
3	ACODE	varchar	24	True	Analysis Code

FileObjMgmt

Contains the list of file objects being managed

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Index
2	ObjectDesc	varchar	255	True	Description
3	ObjectFileSpec	varchar	255	True	Location of file
4	ObjectState	varchar	255	True	Object State
5	ObjectType	varchar	255	True	Type
6	Moduser	varchar	12	True	Initials of User
7	ModDate	datetime		True	Modification Date
8	FileObjectType	varchar	50	True	File Type
9	CURRENT_STATE	varchar	50	True	Object State
10	ObjectVersion	varchar	50	True	File Version
11	FileCheckSum	varchar	255	True	CheckSum of file
12	SubFolder	varchar	50	True	File Folder
13	FOWNER	varchar	24	True	Full Owner
14	FREADOWNER	varchar	24	True	Read Owner
15	ReadOwner	varchar	50	True	Read Owner
16	FullOwner	varchar	50	True	Full Owner
17	OutputFormat	varchar	50	True	

GROUPHEADER

Persited Group Header

Primary Keys

- GRPID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	GRPID	varchar	300	False	Group ID
2	GRPTYPE	varchar	24	False	Group Type
3	TITLE	varchar	300	True	Group Title
4	CREATEDATE	datetime		True	When Created
5	CREATEDBY	varchar	12	True	Who Created
6	CURRENT_STATE	varchar	40	True	Object State
7	MODUSER	varchar	12	True	Last Modified By
8	MODDATE	datetime		True	Last Modified

GROUPMEMBERS

Persited Group Members

Primary Keys

- GRPID
- MEMBTYPE
- MEMBID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	MEMBNUM	int	10	False	Member Index
2	GRPID	varchar	300	False	Group ID
3	MEMBTYPE	varchar	8	False	Member Type
4	MEMBID	varchar	50	False	Member ID

GROUPPARAMS

Persited Group Parameters

Primary Keys

- GRPID
- PARAMNAME

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	GRPID	varchar	300	False	Group ID
2	PARAMNAME	varchar	50	False	Parameter Name
3	PARAMNUMB	int	10	False	Parameter Index
4	PARAMVALUE	varchar	1024	True	Value
5	TYPE	varchar	255	True	Type
6	PICKLIST	varchar	20	True	Paramenter Picklist Name

GROUPSIPROMPTS

Persited Group Special Info Prompts

Primary Keys

- GRPID
- PROMPTNO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	GRPID	varchar	300	False	Group ID
2	PROMPTNO	int	10	False	Prompt Index
3	SIPROMPT	varchar	50	False	Special Info

					Prompt
4	SIFORM	varchar	24	True	SI Form Name

HOLIDAYS

List of Holidays

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	HOLIDAY_DATE	datetime		False	Date
2	DESCRIPTION	varchar	50	False	Description

I18NApplications

Contains the list of applications that have been internationalized

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	AppID	smallint		True	Application code
2	AppName	nvarchar	50	False	Name of the application
3	AppProjFile	nvarchar	255	True	Application Project File Location
4	Appdescription	nvarchar	100	True	Description of the application
5	hSec	int	10	True	Security Handle

I18NAppModules

Contains the list of modules that are used by an application

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	AppID	smallint		True	Application code
2	ModID	smallint		True	Module code
3	hSec	int	10	True	Security Handle

I18NLanguages

Contains the list of the languages that can be used with this database

Primary Keys

- LangID
- LangName

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	LangID	smallint		False	Language Identifier
2	LangName	nvarchar	50	False	Name of the Language
3	LangDescription	nvarchar	80	True	Description of the language
4	hSec	int	10	True	Security Handle

I18NListStrings

There are places in Labworks where the strings originate from the database and are not part of the code base. The PRIVS table is one of the places where this occurs. This table is used as a reverse lookup table. It contains the name of the list and the string identification codes for the strings in the list

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ListName	nvarchar	16	True	
2	StrID	int	10	True	String identification code
3	hSec	int	10	True	Security Handle

I18NLocalStrings

Contains the list of the localized strings

Primary Keys

- StrID
- LangID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	StrID	bigint		False	String identification code
2	LangID	bigint		False	Language identification code
3	LocalText	nvarchar	255	True	Localized text for User interface
4	hSec	int	10	True	Security Handle

I18NModStrings

Contains the list of modules and the strings that used for that module

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ModID	smallint		True	Module code
2	StrID	int	10	True	String Identification Code
3	hSec	int	10	True	Security Handle

I18NSourceModules

Contains the list of modules that have been internationalized

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ModID	smallint		True	Module code
2	ModSpec	nvarchar	255	False	Path of the Module
3	ModDescription	nvarchar	80	True	Description of the Module
4	hSec	int	10	True	Security Handle

I18NStrings

Contains the list of the UI context for each of the strings

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	StrID	int	10	False	String Identification Code
2	StrContext	nvarchar	120	False	User Interface context for string
3	hSec	int	10	True	Security Handle

IMCINSTCALI

Instrument Calibration details

Primary Keys

- InstCode
- CaliDate
- SampNo

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	InstCode	varchar	24	False	Instrument Code
2	CaliDate	datetime		False	Calibration date
3	CaliUser	varchar	25	True	Calibration User
4	SampNo	varchar	7	False	Sample ID
5	WorkDone	text	2147483647	True	
6	Completed	smallint		False	Completed option flag
7	hSec	int	10	False	Security Handle
8	CALIB_EMAIL_WARN_DATETIME	datetime		True	Calibration Email Warning DateTime

IMCINSTMAINT

Instrument Maintenance Details

Primary Keys

- INSTCODE
- MAINTDATE
- TYPEOFWORK

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INSTCODE	varchar	24	False	Instrument Code
2	MAINTDATE	datetime		False	
3	INSTDESC	text	2147483647	True	
4	DONEBY	varchar	25	True	
5	TYPEOFWORK	varchar	50	False	
6	PONUMBER	varchar	35	True	PO Number
7	COST	real		True	
8	DOWNTIME	real		True	
9	DOWNFROM	datetime		True	
10	DOWNTO	datetime		True	
11	COMPLETED	smallint		False	
12	SCHEDULEDATE	datetime		True	
13	hSec	int	10	False	Security Handle
14	MAINT_EMAIL_WARN_DATETIME	datetime		True	Maintenance Email Warning DateTime

IMCPROCS

Instrument Procedure Details

Primary Keys

- INSTCODE
- PROCTYPE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INSTCODE	varchar	24	False	Instrument Code
2	PROCTYPE	varchar	6	False	Procedure Type
3	PROCTEXT	text	2147483647	True	Procedure Text
4	hSec	int	10	False	Security Handle

INSTLIST

Instruments Listing

Primary Keys

- INSTCODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INSTCODE	varchar	24	False	Instrument Code
2	INSTNAME	varchar	100	True	Procedure Type
3	INSTSTATUS	smallint		False	Procedure Text
4	Manufactor	varchar	40	True	Manufacturer Name
5	Installed	datetime		True	Installed Date
6	Serial_No	varchar	40	True	Serial Number
7	hSec	int	10	False	Security Handle
8	INSTLOCATION	varchar	24	True	Location/Room
9	INST_PROGRAM	varchar	255	True	Program associated with instrument
10	INSTTYPE	varchar	50	True	Type associated with instrument
11	SOFTWARE_VERSION	varchar	50	True	Software Version
12	USE_SCHUMAKER	bit		True	
13	COMMENTTEXT	nvarchar	-1	True	

INSTTESTS

Analysis Listing for Instruments

Primary Keys

- INSTCODE
- ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INSTCODE	varchar	24	False	Instrument Code
2	ACODE	varchar	24	False	Analysis Code

3	EXPDATE	datetime		True	Analysis Expiration Date
4	hSec	int	10	False	Security Handle

INVCOMMENTS

Table listing Invoice Comments

Primary Keys

- INVNO
- ACODE
- CMTLINE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INVNO	int	10	False	Instrument Code
2	ACODE	varchar	24	False	Analysis Code
3	CMTLINE	smallint		False	Comment Line number
4	CMTTEXT	varchar	80	True	Comment
5	hSec	int	10	False	Security Handle

INVDETAIL

Generated Invoice Details

Primary Keys

- INVNO
- DETNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INVNO	int	10	False	Invoice Number
2	DETNUM	smallint		False	Invoice Details Line number
3	DETTYPE	varchar	8	False	Detail Type (TAX, DISCOUNT, ANALYSIS etc)
4	DESCRIPTION	varchar	40	True	Description
5	QUANTITY	smallint		False	Quantity
6	UNITPRICE	real		True	Unit Price
7	TOTALPRICE	real		True	Total Price
8	hSec	int	10	False	Security Handle

INVHEAD

Listing of Invoices generated in LABWORKS

Primary Keys

- INVNO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INVNO	int	10	False	Invoice Number
2	INVDATE	datetime		True	Invoice Date
3	INVUSER	varchar	12	True	Invoice generated User
4	PRICETYPE	varchar	8	True	Price Type
5	INVAPP	varchar	50	True	
6	SAMPNOS	varchar	4000	True	Sample ID
7	INVADD1	varchar	40	True	Invoice Address 1
8	INVADD2	varchar	40	True	Invoice Address 2
9	INVADD3	varchar	40	True	Invoice Address 3
10	INVADD4	varchar	40	True	Invoice Address 4
11	INVADD5	varchar	40	True	Invoice Address 5
12	INVNAME	varchar	24	True	Invoice Name
13	BILLRATE	real		False	Bill Rate
14	PRICELIST	varchar	24	True	Price List
15	PONUMBER	varchar	24	True	PO Number
16	PROJECT	varchar	2000	True	Project Name
17	SSTATUS	varchar	1	False	Sample status
18	LOCCODE	varchar	24	True	Location Code
19	LOCDESCR	varchar	60	True	Location Description
20	LOGBATCH	varchar	30	True	Log batch Name
21	LOGUSER	varchar	12	True	Log User
22	SUBDATE	datetime		True	Submitted Date
23	SAMPCOL	varchar	24	True	
24	COLDATE	datetime		True	Collection Date
25	RDUEDATE	datetime		True	
26	DUEDATE	datetime		True	Due Date
27	REPNAME	varchar	24	True	Report Name
28	REPDATE	datetime		True	Report Date
29	REPADD1	varchar	40	True	Report Address 1
30	REPADD2	varchar	40	True	Report Address 2
31	REPADD3	varchar	40	True	Report Address 3
32	REPADD4	varchar	40	True	Report Address 4
33	REPADD5	varchar	40	True	Report Address 5
34	VALDATE	datetime		True	Validation Date
35	VALUSER	varchar	12	True	Validation User
36	EXPDATE	datetime		True	Expiration Date
37	MODDATE	datetime		True	Last Modified Date
38	MODUSER	varchar	12	True	Last Modified User
39	hSec	int	10	False	Security Handle

INVSPECINFO

Special Info field values associated with Invoice

Primary Keys

- INVNO
- ACODE
- SIFLDNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INVNO	int	10	False	Invoice Number
2	ACODE	varchar	24	False	Analysis Code
3	SIFLDNUM	smallint		False	Special Info (SI) Field Number
4	FLDTITLE	varchar	80	True	SI Field Title
5	FLDVALUE	varchar	60	True	SI Field Value
6	hSec	int	10	False	Security Handle

INVUSRFLDS

User Field Values associated with Invoice

Primary Keys

- INVNO
- UFLDNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	INVNO	int	10	False	Invoice Number
2	UFLDNUM	smallint		False	User Field Number
3	UFVALUE	varchar	160	True	User Field Value
4	hSec	int	10	False	Security Handle

IPP_ACTION

Action Definitions of Industrial Pretreatment

Primary Keys

- ACTIONNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	LOCCODE	varchar	24	False	Location Code
2	ACTIONCODE	varchar	20	False	Action Code
3	INITDATE	datetime		True	Initiation Date
4	DUEDATE	datetime		True	Action

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
					Completion Due Date
5	CLOSEDATE	datetime		True	Close Date
6	INITBY	varchar	50	False	Initialized by
7	CLOSEBY	varchar	50	True	Close by
8	ACTIONNUM	int	10	False	Action Number
9	NOTES	text	2147483647	True	Notes
10	CREATEDATE	datetime		True	Creation Date
11	CREATEUSER	varchar	12	True	Created User
12	MODDATE	datetime		True	Last Modified Date
13	MODUSER	varchar	12	True	Last Modified User
14	hSec	int	10	False	Security Handle

IPP_PERMIT

Permit definitions of Industrial Pretreatment Program

Primary Keys

- PERMITNO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PERMITNO	varchar	20	False	Permit Number
2	IUNAME	varchar	50	True	Industrial User Name
3	CONTACT	varchar	40	True	Contact Person
4	CTITLE	varchar	40	True	Title
5	ADD1	varchar	40	True	Address 1
6	ADD2	varchar	40	True	Address 2
7	CITY	varchar	40	True	City
8	STATE	varchar	2	True	State
9	ZIP	varchar	10	True	Zip
10	PHONE	varchar	20	True	Phone
11	FAX	varchar	20	True	Fax
12	EMAIL	varchar	50	True	Email
13	URL	varchar	128	True	Url
14	MUNICODE	varchar	16	False	Municipality Code
15	CAREP	varchar	40	True	Representative
16	CAREPTITLE	varchar	40	True	Representative Title
17	ISSUEDATE	datetime		True	Issue Date
18	EFFDATE	datetime		True	Effective Date
19	EXPDATE	datetime		True	Expiration Date
20	FEEAMT	real		True	Fee Amount
21	FEEPERIOD	varchar	1	True	Fee Period
22	COMMENTS	varchar	255	True	Comments
23	MODDATE	datetime		True	Last Modified Date
24	MODUSER	varchar	12	True	Last Modified User
25	hSec	int	10	False	Security Handle

IPP2LWANLS

Industrial Pretreatment Program (IPP) to LABWORKS Analyte Reference

Primary Keys

- IANALYTE
- ACODE
- ANALYTE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	IANALYTE	varchar	40	False	Analysis Name
2	ACODE	varchar	24	False	Analysis Code
3	ANALYTE	varchar	40	False	Analysis Name
4	CONVFACT	real		True	Conversion factor
5	RANK	smallint		False	Rank
6	ANLNUMB	smallint		False	Analysis Number
7	MODDATE	datetime		True	Last Modified Date
8	MODUSER	varchar	12	True	Last Modified User
9	hSec	int	10	False	Security Handle

IPPLIMITS

Site IPP limits of Industrial Pretreatment Program

Primary Keys

- LOCCODE
- IANALYTE
- LIMITTYPE
- EFFDATE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	LOCCODE	varchar	24	False	Location Code
2	IANALYTE	varchar	40	False	Analyte Name
3	IUNIT	varchar	16	True	
4	LIMITTYPE	varchar	16	False	Limit Type
5	VALUE	varchar	16	False	Value
6	EFFDATE	datetime		False	Effective Date
7	EXPDATE	datetime		True	Expiration Date
8	VERSION	int	10	False	Version
9	MODDATE	datetime		True	Last Modified Date
10	MODUSER	varchar	12	True	Last Modified User
11	hSec	int	10	False	Security Handle

IPPMUNI

Municipality listing of Industrial Pretreatment Program

Primary Keys

- MUNICODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	MUNICODE	varchar	16	False	Municipality Code
2	MUNINAME	varchar	60	True	Municipality Name
3	ADD1	varchar	40	True	Address 1
4	ADD2	varchar	40	True	Address 2
5	CITY	varchar	30	True	City
6	STATE	varchar	2	True	State
7	ZIP	varchar	10	True	Zip
8	FAX	varchar	20	True	Fax
9	PHONE	varchar	20	True	Phone
10	EMAIL	varchar	60	True	Email
11	URL	varchar	80	True	Url
12	CONTACT	varchar	40	True	Contact
13	CTITLE	varchar	40	True	Title
14	VOLCHRGIN	real		True	
15	VOLCHRGOUT	real		True	
16	COMMENTS	varchar	255	True	Comments
17	hSec	int	10	False	Security Handle

IPPSAMPFREQ

Site Sample Frequencies of Industrial Pretreatment Program

Primary Keys

- LOCCODE
- IANALYTE
- EFFDATE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	LOCCODE	varchar	24	False	Location Code
2	IANALYTE	varchar	40	False	Analyte Name
3	EFFDATE	datetime		False	Effective date
4	EXPDATE	datetime		True	Expiration Date
5	POTWFREQ	smallint		False	POTW Frequency
6	POTWTIMEUNIT	varchar	1	False	POTW Interval
7	SELFFREQ	smallint		False	Self Frequency
8	SELFTIMEUNIT	varchar	1	False	Self Interval
9	MODDATE	datetime		True	Last Modified Date
10	MODUSER	varchar	12	True	Last Modified User

| 11 | hSec | int | 10 | False | Security Handle |

IPPSTATUS

Site Compliance status of Industrial Pretreatment Program

Primary Keys

- LOCCODE
- STARTDATE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	LOCCODE	varchar	24	False	Location Code
2	STARTDATE	datetime		False	Start Date
3	STATUS	varchar	3	False	Status
4	CALCDATE	datetime		True	Calculation Date
5	CALCUSER	varchar	12	True	Calculation User
6	hSec	int	10	False	Security Handle

IPPVIOLS

Site Violation Details of Industrial Pretreatment Program

Primary Keys

- LOCCODE
- VIOLTYPE
- VIOLDATE
- IANALYTE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	LOCCODE	varchar	24	False	Location Code
2	VIOLTYPE	varchar	50	False	Violation Type
3	VIOLDATE	datetime		False	Violation Date
4	IANALYTE	varchar	40	False	Analyte
5	VIOLDESCR	varchar	50	False	Violation Description
6	CALCDATE	datetime		True	
7	CALCUSER	varchar	12	True	
8	hSec	int	10	False	Security Handle

LABOBJCOMMENTS

Primary Keys

- OBJID

- OBJTYPE
- COMMENTNUMB

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	OBJID	varchar	300	False	Object ID
2	OBJTYPE	varchar	40	False	Type
3	COMMENTNUMB	int	10	False	Index
4	COMMENTTEXT	varchar	4000	True	Comment
5	MODDATE	datetime		False	Last Modified
6	MODUSER	varchar	12	False	Last Modified By
7	HSEC	int	10	False	Security Reference

LABOBJMAILLIST

Primary Keys

- OBJID
- OBJTYPE
- MLREFERENCE
- OBJNUMB

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	OBJID	varchar	300	False	Object ID
2	OBJTYPE	varchar	40	False	Type
3	MLREFERENCE	varchar	24	False	Reference to Parent
4	OBJNUMB	int	10	False	Index
5	DOCTYPE	varchar	24	False	Document Type
6	ADDRTYPE	varchar	24	False	Address Type
7	PRIMARY	smallint		False	
8	ADDRESSEE	varchar	50	True	
9	STREET1	varchar	50	True	
10	STREET2	varchar	50	True	
11	CITY	varchar	50	True	
12	STATE	varchar	50	True	
13	POST_CODE	varchar	20	True	
14	COUNTRY	varchar	50	True	
15	PHONE_NUM	varchar	30	True	
16	FAX_NUM	varchar	50	True	
17	EMAIL_ADDR	varchar	50	True	
18	CONTACT	varchar	50	True	
19	CONTACT_PHONE	varchar	50	True	
20	CONTACT_EMAIL	varchar	50	True	
21	MODUSER	varchar	12	False	Last Modified By
22	MODDate	datetime		True	Last Modified
23	hsec	int	10	False	Security Reference

LABOBJJOBJECTS

Primary Keys

- OBJID
- OBJTYPE
- OBJNUMB

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	OBJID	varchar	300	False	Object ID
2	OBJTYPE	varchar	40	False	Type
3	OBJNUMB	int	10	False	Index
4	OBJDESCR	varchar	255	True	Description
5	OBJSPEC	varchar	255	True	File Specification
6	MODDATE	datetime		False	Last Modified
7	MODUSER	varchar	12	False	Last Modified By
8	OBJDATA	image	2147483647	True	Object Data
9	HSEC	int	10	False	Security Reference

LABOBJSPECINFO

Primary Keys

- OBJID
- OBJTYPE
- SIFLDNAME
- FORMNO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	OBJID	varchar	300	False	Object ID
2	OBJTYPE	varchar	40	False	Type
3	SIFLDNAME	varchar	80	False	Field Name
4	FORMNO	int	10	False	Form Index
5	SIFORMNAME	varchar	24	False	Form Name
6	FIELDNUM	int	10	False	Field Number
7	FLDVALUE	varchar	60	True	Field Value
8	FLDPROMPT	varchar	80	True	Field Prompt
9	MODDATE	datetime		False	Last Modified
10	MODUSER	varchar	12	False	Last Modified By

LICENSEKEYINFO

Primary Keys

- APP_NAME
- LIC_KEY

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	APP_NAME	varchar	255	False	
2	LIC_KEY	varchar	50	False	

LOCLIST

Primary Keys

- LOCCODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	LOCCODE	varchar	24	False	Location Code
2	DESCR	varchar	60	True	Location Description
3	OWNER	varchar	24	True	Location Owner
4	PROJECT	varchar	24	True	Project Account Code
5	REPNAME	varchar	24	True	Report Name
6	INVNAME	varchar	24	True	Invoice Name
7	USERPROG	varchar	12	True	User Program for sample login
8	PRICELIST	varchar	24	True	List Price, basic Price per Analysis
9	REPADD1	varchar	40	True	Report Address 1
10	REPADD2	varchar	40	True	Report Address 2
11	REPADD3	varchar	40	True	Report Address 3
12	REPADD4	varchar	40	True	Report Address 4
13	REPADD5	varchar	40	True	Report Address 5
14	INVADD1	varchar	40	True	Invoice Address 1
15	INVADD2	varchar	40	True	Invoice Address 2
16	INVADD3	varchar	40	True	Invoice Address 3
17	INVADD4	varchar	40	True	Invoice Address 4
18	INVADD5	varchar	40	True	Invoice Address 5
19	DOINV	smallint		False	Do Invoice Option Flag
20	DOVAL	smallint		False	Do Validation Option Flag
21	DOSPEC	smallint		False	Do Specification Option Flag
22	DCOPY	smallint		False	Disk Copy Final Report option flag
23	REPCOPIES	smallint		False	Number of Report Copies

24	BILLRATE	real		False	Percentage List Price
25	CHOLDMINS	int	10	False	Analysis Hold Minutes
26	RHOLDMINS	int	10	False	Result Hold Minutes
27	DUEOPT	varchar	1	True	Due Date Base Option for Due Date calculation
28	COMTMASK	varchar	24	True	Comment Mask
29	MODDATE	datetime		True	Last Modification Date
30	MODUSER	varchar	12	True	Last Modified User
31	hSec	int	10	False	Security Handle
32	CURRENT_STATE	varchar	50	True	Object State
33	LREADOWNER	varchar	24	True	Location ReadOwner
34	LSAMPOWNER	varchar	24	True	Created Sample Owner
35	LATITUDE	decimal		True	Latitude
36	LONGITUDE	decimal		True	Longitude
37	ADDRESS	varchar	255	True	Address
38	LW_PROJECTID	int	10	True	Project ID

LOCTESTS

Primary Keys

- LOCCODE
- ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	LOCCODE	varchar	24	False	Location Code
2	ACODE	varchar	24	False	Analysis Code
3	CHOLDMINS	int	10	False	Analysis Hold Minutes
4	RHOLDMINS	int	10	False	Result Hold Minutes
5	LTESTNUM	smallint		False	Number of Tests for Location
6	hSec	int	10	False	Security Handle
7	NOOFREPLICATES	int	10	False	Number of replicates
8	REPLICATEMETHOD	varchar	20	True	Replicate method. Content of the field can be null or one of the following:MIN, MAX, AVERAGE
9	AREF	varchar	50	True	Analysis Reference method

| 10 | REPSELECTIO N | varchar | 15 | True | Replicate selection on. Content of the field can be null or one of the following: ALL_REPLICAT ES, MDL_RANGE |

LWObjects

Primary Keys

- Object_Name

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Object_Name	varchar	50	False	Name
2	Object_Descripti on	varchar	50	True	Description
3	Is_Audit_Trail_R equired	int	10	False	Audit Trailed?
4	Is_Audit_From_ Null_Transaction	int	10	False	Audit Creation
5	DialogType	varchar	50	True	Type of Audit Prompt
6	ObjectTableNam e	varchar	50	True	Primary Table
7	Display_Audit_R eason	int	10	False	Display audit prompt to user to enter reason
8	Object_DisplayN ame	varchar	50	True	Object Display Name

MDLCALCHEADER

Primary Keys

- GROUPNAME
- GROUPNUMBER
- MATRIX

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	GROUPNAME	varchar	50	False	Group Name
2	GROUPNUMBE R	int	10	False	Group Number
3	ACODE	varchar	24	True	Analysis Code
4	ANALYTE	varchar	100	True	Analyte Name
5	MATRIX	varchar	24	False	
6	GROUPDATE	datetime		True	
7	hSec	int	10	False	

MDLCALCSETUP

Primary Keys

- ACODE
- ANALYTE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	Analysis Code
2	ANALYTE	varchar	100	False	Analyte Name
3	NPOINTS	int	10	False	
4	ANUM	int	10	False	
5	ANLNUM	int	10	False	
6	STARTDATE	datetime		True	
7	ENDDATE	datetime		True	
8	RULESET	varchar	24	True	
9	BLANKACODE	varchar	24	True	
10	BLANKANALYTE	varchar	100	True	
11	hSec	int	10	False	
12	LASTUPDATEDDATETIME	datetime		True	
13	EMAIL_RECEPIENTS	varchar	500	True	
14	PERIODICITY_MONTHS	int	10	True	
15	NOTIFICATION_SENT_DATE	datetime		True	

MDLCHARTDATA

Primary Keys

- GROUPNAME
- GROUPNUMBER
- SAMPNO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	GROUPNAME	varchar	55	False	Group Name
2	GROUPNUMBER	int	10	False	Group Number
3	SAMPNO	varchar	7	False	Sample ID
4	VALIDATIONDATE	datetime		True	
5	hSec	int	10	False	

MESSAGEQUEUE

Primary Keys

- MsgNumber

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	MsgNumber	int	10	False	
2	MsgType	varchar	25	False	Send Confirm/Send Results
3	Detail1	varchar	40	True	for email app, confirm#
4	Detail2	varchar	40	True	for email app, confirm+batch+increment
5	Detail3	varchar	40	True	
6	DispositionState	varchar	25	True	Complete/Partial Complete
7	DispositionTime	datetime		True	date/time last report sent out
8	MsgLocked	smallint		False	Flag if record locked, -1 = locked, 0 = unlocked
9	MsgLockTime	datetime		True	Empty if not locked
10	CreateDate	datetime		False	Date / time message created
11	CreateUserID	varchar	12	True	
12	ModDate	datetime		True	Date / time of last message modification
13	ModUserID	varchar	12	True	
14	hSec	int	10	False	Security Handle

MLADDRESSES

Primary Keys

- MLREFERENCE
- MLRNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	MLREFERENCE	varchar	24	False	Mail list reference
2	MLRNUM	smallint		False	Mail list row ordinal for reference
3	DOCTYPE	varchar	24	False	Mail list document type

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
					(FinalReport / Invoice / All)
4	ADDRTYPE	varchar	24	False	Mail list address type (Postal / Email / Fax / All)
5	PRIMARY	smallint		False	Address is primary for its doc type and addr type (0=false else=true)
6	ADDRESSEE	varchar	50	True	Name of addressee
7	STREET1	varchar	50	True	First street address line
8	STREET2	varchar	50	True	Second street address line
9	CITY	varchar	50	True	City
10	STATE	varchar	50	True	State or province
11	POST_CODE	varchar	20	True	Postal code (zip)
12	COUNTRY	varchar	50	True	Country
13	PHONE_NUM	varchar	30	True	Phone number
14	FAX_NUM	varchar	30	True	Fax number
15	EMAIL_ADDR	varchar	50	True	Email address
16	CONTACT	varchar	50	True	Name of contact
17	CONTACT_PHONE	varchar	30	True	Phone number for contact
18	CONTACT_EMAIL	varchar	50	True	Contact email address
19	MODUSER	varchar	12	True	Row modified by
20	MODDATE	datetime		True	Row modified on
21	hSec	int	10	False	Security Handle

MORDETAIL

Primary Keys

- MORCODE
- MORCELL
- MORSHEETNAME

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	MORCODE	varchar	16	False	Monthly Operations Report Code
2	MORLOCCODE	varchar	24	True	MOR Location Code
3	MORACODE	varchar	24	True	MOR Analysis Code
4	MORANALYTE	varchar	100	True	MOR Analyte Initials
5	CALC_TYPE	varchar	5	True	Defines type of MOR – Monthly, Daily, Annual by week, Annual by Month

6	MORCELL	varchar	12	False	MOR Cell
7	MORSHEETNAME	varchar	31	False	MOR Sheet name
8	hSec	int	10	False	Security Handle

MORHEADER

Primary Keys

- MORCODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	MORCODE	varchar	16	False	Monthly Operations Report Code
2	MORDESC	varchar	50	True	MOR Description
3	MOREXCELFILENAME	varchar	40	True	MOR Excel File Name
4	MORDATE	varchar	10	True	Full date for MOR
5	MORMONTH	varchar	10	True	MOR Month Specification
6	MORDAY	varchar	10	True	Day of the month (number)
7	MORYEAR	varchar	10	True	MOR Year Specification
8	MORTYPE	varchar	10	True	MOR Type
9	MORROWLIMITS	smallint		False	Switch that changes the report format – on produces one sample per row
10	hSec	int	10	False	Security Handle
11	WSMACRO	varchar	50	True	
12	CROSSREFSEARCH	varchar	50	True	Corss Reference Search name
13	EXPORTFORMAT	varchar	50	True	Export format
14	EXPORTSHEETNAME	varchar	31	True	Export Excel sheet name
15	EXPORTSTARTCELL	varchar	12	True	Starting address of Export cell
16	SELECTIONTYPE	varchar	40	True	
17	SEARCHROUTINE	varchar	100	True	

NTRLTS

Narrative Text Results

Primary Keys

- SAMPNO

- ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample Number
2	ACODE	varchar	24	False	Analysis Code
3	NTRESULT	text	2147483647	True	Narrative Text Result
4	hSec	int	10	False	Security Handle
5	RESULTCHECK SUM	varchar	40	True	CheckSum
6	CHECKSUMVE RSION	int	10	False	CheckSum Version
7	AREF	varchar	50	True	Result method reference
8	RMODDATE	datetime		True	

NTTEXT

Default Text Result Description for Narrative Tests

Primary Keys

- ACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	Analysis Code
2	NTRESULT	text	2147483647	True	Narrative Text Result
3	hSec	int	10	False	Security Handle

OGROUPS

Owner Group Details

Primary Keys

- GROUPNAME

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	GROUPNAME	varchar	24	False	Owner Group Name
2	GROUPDESCR	varchar	40	True	Owner Group Description
3	ACTIVE	smallint		True	Has Active Properties flag option
4	MODDATE	datetime		True	Last Modified Date
5	MODUSER	varchar	12	True	Last Modified User
6	hSec	int	10	False	Security Handle

OGRPMEMBS

Owner Group Members Listing Information

Primary Keys

- GROUPNAME
- LASTNAME
- FIRSTNAME

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	GROUPNAME	varchar	24	False	Owner Group Name
2	LASTNAME	varchar	20	False	Owner Group member's last name
3	FIRSTNAME	varchar	20	False	Group member's first name
4	TITLE	varchar	8	True	Group Title
5	INITIALS	varchar	12	False	Group member's Initial
6	PASSWORD	varchar	12	False	Group member's Password
7	LEADER	smallint		True	Group Leader Option
8	MODDATE	datetime		True	Last Modified date
9	MODUSER	varchar	12	True	Last Modified User
10	hSec	int	10	False	Security Handle

OGRPPERMIT

Owner Group's Permit Group Details

Primary Keys

- GROUPNAME
- PERMITGROUP

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	GROUPNAME	varchar	24	False	Owner Group Name
2	PERMITGROUP	varchar	24	False	Trusted Group or Permitted groups to access Group owned samples
3	hSec	int	10	False	Security Handle

OLDMESSAGEQUEUE

Old Privileges Listing for Individuals Primary Keys (Not used 6.0+)

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	MsgNumber	int	10	True	
2	MsgType	nvarchar	25	False	
3	Sender	nvarchar	50	True	
4	Destination	nvarchar	50	True	
5	MessageBody	ntext	1073741823	True	
6	Status	nvarchar	50	True	
7	Detail1	nvarchar	40	True	
8	Detail2	nvarchar	40	True	
9	Detail3	nvarchar	40	True	
10	StatusUpdateDateTime	smalldatetime		True	
11	MsgLocked	smallint		True	
12	MsgLockDateTime	smalldatetime		True	
13	CreateDateTime	smalldatetime		False	
14	CreateUserID	nvarchar	12	True	
15	ModDateTime	smalldatetime		True	
16	ModUserID	nvarchar	12	True	
17	MoveToArchive	int	10	True	

PASSHISTORY

Table to track password changes for each user. (Not used in 6.0+)

Primary Keys

- UNUMBER

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	UNUMBER	int	10	False	User ID
2	OLDPASSWORD	varchar	11	False	Old Password
3	LOCKOUT	smallint		False	Password Lockout option flag
4	MODDATE	datetime		True	Last Modified Date
5	hSec	int	10	False	Security Handle

PICKLISTS

Pick List Maintenance table

Primary Keys

- PLNAME

- PLITEMNO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PLNAME	varchar	20	False	Pick List Name
2	PLITEMNO	smallint		False	Pick List Item Number
3	PLITEM	varchar	50	False	Pick List Item Name
4	PLDESCR	varchar	50	True	Pick List Item Description
5	hSec	int	10	False	Security Handle
6	MODDATE	datetime		True	ModDate

PRIVS

System Privileges list that can be assigned/ revoked to each LABWORKS user

Primary Keys

- URVALUE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	URVALUE	varchar	16	False	User ID
2	PRIVDESCR	varchar	50	False	Privilege Description

PSAUDIT

Audit Trail details for Process Scheduler

Primary Keys

- AUDITID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	AUDITID	int	10	False	Audit Trail ID
2	PSSAMPLEID	int	10	True	Process Scheduler Sample ID
3	PSAUDITITEM	varchar	50	True	Process Scheduler Audit Item
4	PSAUDITTIME	datetime		True	Process Scheduler Audit Time
5	PSMACHINEID	varchar	60	True	Process Scheduler Machine ID
6	PSUSER	varchar	24	True	Process Scheduler User
7	hSec	int	10	False	Security Handle

| 8 | PSSAMPNO | varchar | 7 | True | PS Sample ID |

PSCONTAINER

Audit Trail details for Process Scheduler

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PSSAMPLEID	int	10	True	Process Scheduler Sample Identifier
2	PSCONTAINERINDEX	int	10	False	Process Scheduler Container Index
3	PSCONTAINERNLABELS	int	10	False	Process Scheduler Container Labels
4	PSCONTAINERDESC	varchar	20	True	Process Scheduler Container Description
5	PSCONTAINERANALYSES	varchar	4096	True	Process Scheduler Container Analysis
6	PSCONTAINERCOMMENT	varchar	30	True	Process Scheduler Container Comment
7	hSec	int	10	False	Security Handle
8	PSSAMPNO	varchar	7	True	
9	ID	int	10	False	

PSCONTAINER_PRELOG

Table is used to schedule samples from the Process Scheduler module

Primary Keys

- PSID
- PSTIME
- PSLOCCODE
- PSINTERVALTYPE
- PSCONTAINERINDEX

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PSID	varchar	20	False	
2	PSTIME	datetime		False	
3	PSLOCCODE	varchar	24	False	

4	PSINTERVALTYPE	varchar	10	False	
5	PSCONTAINERINDEX	int	10	False	
6	PSCONTAINERNLABELS	int	10	False	
7	PSCONTAINERDESC	varchar	20	True	
8	PSCONTAINERANALYSES	varchar	4096	True	
9	PSCONTAINERCOMMENT	varchar	30	True	
10	hSec	int	10	False	Security Handle

PSPRIORITY

User-defined Priority Definitions for Process Scheduler associated with priority number. No user-interface available for this table in LABWORKS

Primary Keys

- PSLPRIORITY

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PSLPRIORITY	int	10	False	Process Scheduler Priority
2	PSPRIORITYABREV	varchar	10	True	Process Scheduler Priority Abbreviation
3	PSPRIORITYDESCR	varchar	50	True	Process Scheduler Priority Description
4	hSec	int	10	False	Security Handle

PSSCHEDULE

Scheduled Samples for Process Scheduler

Primary Keys

- PSSAMPLEID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PSSAMPLEID	int	10	False	Scheduler Sample ID
2	PSSAMPNO	varchar	7	True	LABWORKS Sample ID
3	PSPRIORITY	int	10	False	Scheduler Priority
4	PSOWNER	varchar	24	True	Scheduler Owner

5	PSLOCCODE	varchar	24	False	Location code
6	PSLOCDESCR	varchar	60	True	Location Description
7	PSLOCOWNER	varchar	24	True	Location Owner
8	PSNUMBEROFLABELS	smallint		False	Number of Labels
9	PSSTATUS	varchar	20	True	Sample Status
10	PSREQTIME	datetime		True	Request Time
11	PSCOLOKTIME	datetime		True	Collection OK Time
12	PSCOLTIME	datetime		True	Collection Time
13	PSSUBTIME	datetime		True	Submittal Time
14	PSANLDONETIME	datetime		True	Analysis done time
15	PSLABRELEASETIME	datetime		True	
16	PSPRODUCTOKTIME	datetime		True	Production OK Time
17	PSPARENTID	varchar	10	True	
18	PSPAUSED	smallint		False	Paused option flag
19	PSANALYSES	varchar	4096	True	Analyses list
20	PSANALYSES2	varchar	255	True	
21	PSCOMMENT	varchar	255	True	Comments
22	PSSPARETIME	datetime		True	
23	PSCUSTOMER	varchar	50	True	Customer
24	PSSHIPTIME	datetime		True	Ship Time
25	PSDISABLED	smallint		False	Scheduler Disable Option flag
26	PSOKTOCOLLECT	smallint		False	Ok to Collect Status Option
27	PSUSER1	varchar	50	True	
28	PSUSER2	varchar	50	True	
29	PSUSER3	varchar	50	True	
30	PSUSER4	varchar	50	True	
31	PSUSERNUMBER1	real		True	
32	PSUSERNUMBER2	real		True	
33	PSPRELOGBATCH	varchar	30	True	Login Batch
34	PSORIGINALTIME	datetime		True	Original schedule time for sample
35	hSec	int	10	False	Security Handle
36	PSMODDATE	datetime		True	

PSSHELFLIFE

Help File for Process Scheduler

Primary Keys

- PSSHELFLIFEID

Sr.No.	Name	Type	Size	Allow Null	Description

				(Characters)	(True/False)	
1	PSSHELFLIFEID	int		10	False	Process Scheduler Help File Identifier
2	PSSAMPLEID	int		10	True	Process Scheduler Sample Identifier
3	PSSAMPNO	nvarchar		7	True	Process Scheduler Sample Number
4	PSID	nvarchar		50	True	Process Scheduler Identifier
5	PSSHELFLIFE_OFFSET	real			True	Process Scheduler Help File Offset
6	PSANALYSES	varchar		4096	True	Process Scheduler Analysis
7	PSCOMMENT	nvarchar		50	True	Process Scheduler Comment
8	PSMASTERTEMPLATE	int		10	True	Process Scheduler Master Template
9	PSMASTERID	int		10	True	Process Scheduler Master Identifier

PSTIMEHEAD

Timed Sample detailed information for Process Scheduler

Primary Keys

- PSTIMEHEADID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PSTIMEHEADID	int	10	False	Auto key for table
2	PSID	varchar	20	False	Process Scheduler Group ID
3	PSTIME	datetime		False	Schedule Time
4	PSLOCCODE	varchar	24	False	Location Code
5	PSINTERVALTYPE	varchar	10	False	s
6	PSLOCDESCR	varchar	60	True	Location Description
7	PSLOCOWNER	varchar	24	True	s
8	PSNUMBEROFLABELS	smallint		False	Number of Labels
9	PSPRIORITY	int	10	False	s
10	PSOWNER	varchar	24	True	Schedule Owner
11	PSCOMMENT	varchar	255	True	Comments
12	PSANALYSES	varchar	4096	True	Scheduler command

13	PSANALYSES2	varchar	255	True	Scheduler command parameters
14	PSEVENT	smallint		False	Scheduler Event
15	PSCUSTOMER	varchar	50	True	Customer
16	PSOKTOCOLLECT	int	10	False	OK to collect
17	PSUSER1	varchar	50	True	
18	PSUSER2	varchar	50	True	
19	PSUSER3	varchar	50	True	
20	PSUSER4	varchar	50	True	
21	PSUSERNUMBER1	real		True	
22	PSUSERNUMBER2	real		True	
23	PSPRELOGBATCH	varchar	30	True	
24	hSec	int	10	False	Security Handle
25	PSACTIVEFROM	datetime		True	
26	PSACTIVETO	datetime		True	
27	PRINTERNAME	varchar	100	True	
28	LABELNAME	varchar	100	True	
29	LW_PROJECTID	int	10	True	

PSTIMEHEADEXTENSION

Primary Keys

- PSTIMEEXTID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PSTIMEEXTID	int	10	False	
2	PSTIMEHEADID	int	10	False	
3	PSINTERVALTYPE	varchar	10	False	
4	PSINTERVAL	varchar	20	False	
5	PSANALYSES	varchar	4000	False	

PSTIMEMAIN

Timed Samples listing in Process Scheduler

Primary Keys

- PSID
- PSTIME
- PSINTERVALTYPE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PSID	varchar	20	False	Process

					Scheduler Group ID
2	PSTIME	datetime		False	Schedule Time
3	PSINTERVAL	varchar	20	True	Interval
4	PSINTERVALTYPE	varchar	10	False	Interval Type
5	PSSTARTTIME	datetime		True	Schedule Start Time
6	PSENDTIME	datetime		True	Schedule End Time
7	PSENABLED	smallint		False	Schedule Enable Option
8	hSec	int	10	False	Security Handle
9	LW_PROJECTOVERRIDE	smallint		True	
10	LW_PROJECTID	int	10	True	

PTExperience

Experience of each Personal Training Analysts configured in LABWORKS Personal Training module

Primary Keys

- Initials
- Lab
- StartDate

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Initials	varchar	50	False	Analyst Initials
2	Lab	varchar	40	False	Laboratory name
3	StartDate	datetime		False	Training Start Date
4	EndDate	datetime		True	Training End Date
5	Position	varchar	30	True	Position of the Analyst
6	Experience	varchar	255	True	Experience in years
7	hSec	int	10	False	Security Handle

PTLicense

License details of each Personal Training Analyst of LABWORKS

Primary Keys

- Initials
- License
- Granted

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description

1	Initials	varchar	50	False	Analyst Initials
2	License	varchar	40	False	License
3	Granted	datetime		False	License Grant Date
4	Expire	datetime		True	License Expiration Date
5	LicenseNo	varchar	30	True	License Number
6	hSec	int	10	False	Security Handle

PTSchools

Defined Schools in Personal Training module of LABWORKS

Primary Keys

- SchoolType

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SchoolType	varchar	25	False	School Type
2	SchoolDesc	varchar	40	True	School Description
3	hSec	int	10	False	Security Handle

PTTraining

List of defined Personal Training Analysts in Personal Training module of LABWORKS. The user is referenced from LABWORKS User list

Primary Keys

- Initials
- SchoolType
- DateAttended

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Initials	varchar	50	False	Analyst Initials
2	SchoolType	varchar	25	False	School Type
3	DateAttended	datetime		False	Attended Date
4	DateEnded	datetime		True	End Date
5	SchoolName	varchar	40	True	School Name
6	hSec	int	10	False	Security Handle
7	SchoolDesc	varchar	40	True	

QUALIFIERS

Qualifiers

Primary Keys

- equationname

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	equationname	varchar	50	False	Equation Name
2	equation	varchar	200	True	Equation
3	qualifier	varchar	5	True	Qualifier
4	acode	varchar	24	True	Analysis Code

REASONMASTER

AuditTrail Reasons

Primary Keys

- ReasonID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ReasonID	int	10	False	Reason Index
2	ReasonDesc	varchar	255	True	Description
3	UseTimeStamp	datetime		True	Last Used
4	REASONORDER	int	10	False	Sort Order

REPLICATEGRAPHCONFIG

This is the Replicate configuration table. It stores replicate configuration Sample, Analysis code and Analyte in xml format

Primary Keys

- SAMPNO
- ACODE
- ANALYTE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample ID
2	ACODE	varchar	24	False	Analysis Code
3	ANALYTE	varchar	100	False	Analyte Name
4	GRAPHCONFIG	text	2147483647	True	Replicate configuration in xml format
5	CREATED_BY	varchar	12	True	Created user
6	CREATED_DATE	datetime		True	Creation date
7	MODUSER	varchar	12	True	Last modified user
8	MODDATE	datetime		True	Last modified date
9	HSEC	int	10	True	Security Handle

REPORTHEAD

Primary Keys

- REPORTNUMBER

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	REPORTNUMBER	int	10	False	
2	REPORTTYPE	varchar	24	True	
3	REPORTDESCRIPTION	varchar	60	True	
4	REPORTDATE	datetime		True	
5	REPORTUSER	varchar	12	True	
6	hSec	int	10	True	

REPORTSAMPS

Primary Keys

- REPORTNUMBER
- RSAMPNO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	REPORTNUMBER	int	10	False	
2	RSAMPNO	varchar	7	False	

RESULT

Primary Keys

- SAMPNO
- ACODE
- ANALYTE
- RESULTPART
- REPLNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample ID
2	ACODE	varchar	24	False	Analysis Code
3	ANALYTE	varchar	100	False	Analyte Name
4	RESULT	varchar	14	True	Result 1
5	RESULT2	varchar	14	True	Result 2

6	QUALIFY	varchar	14	True	
7	MDL	varchar	14	True	Minimum Detection Limit
8	VIOLTYPE	smallint		False	Violation Type
9	VIOLVALUE	varchar	14	True	Violation Value
10	VIOLDATE	datetime		True	Violation Date
11	VIOLUSER	varchar	12	True	Violation User
12	RLTNUM	smallint		False	Result Number
13	RMODDATE	datetime		True	Result Modified Date
14	RMODUSER	varchar	12	True	Result Modified User
15	DILFACTOR	real		False	Dilution Factor
16	RAWRESULT	varchar	14	True	Raw Result
17	STARTDATE	datetime		True	Start Date
18	ENDDATE	datetime		True	End Date
19	ANALYST	varchar	12	True	Analyst
20	hSec	int	10	False	Security Handle
21	PQL	varchar	16	True	PQL
22	RAWMDL	varchar	16	True	Untreated MDL
23	RAWPQL	varchar	16	True	Untreated PQL
24	RLTUNIT	varchar	16	True	Units for Result
25	RLTSOURCE	varchar	255	True	Soure of result
26	RESULTPART	varchar	8	False	Type of Result
27	REPLNUM	int	10	False	Replicate Number
28	RESULTCHECKSUM	varchar	40	True	CheckSum
29	CHECKSUMVERSION	int	10	False	CheckSum Version
30	AREF	varchar	50	True	Result method reference
31	QCBATCHID	varchar	40	True	QC Batch Identifier
32	PREPBATCHID	varchar	40	True	PreBatch Identifier
33	INSTRUMENT	varchar	24	True	Instrument Name
34	LABORATORY	varchar	40	True	Laboratory Name

RESULTSPECS

Specifications for Results

Primary Keys

- OBJECTTYPE
- OBJECTID
- SPECNAME
- ANALYSISCODE
- ANALYTENAME
- RESULTPART

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	OBJECTTYPE	varchar	12	False	Type
2	OBJECTID	varchar	24	False	Identifier

3	SPECNAME	varchar	24	False	Type of Spec
4	ANALYSISCODE	varchar	24	False	Analysis Code
5	ANALYTENAME	varchar	100	False	Analyte Name
6	RESULTPART	varchar	12	False	Result Part
7	NUMVALUE1	varchar	14	True	Spec Value 1
8	NUMVALUE2	varchar	14	True	Spec Value 2
9	TEXTVALUE	varchar	1024	True	Text Value
10	HSEC	bigint		False	Security Handle

RLDEFANL

Reporting Limit Default Analytes listing for Project Analyte Management (PAM) Groups

Primary Keys

- RLGROUP
- ACODE
- ANALYTE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	RLGROUP	varchar	16	False	Report Limiting Group Name
2	ACODE	varchar	24	False	Analysis Code
3	ANALYTE	varchar	100	False	Analyte
4	REPLIMIT	real		False	Report Limit
5	LTRLRESULT	varchar	14	True	
6	LTRLQUAL	varchar	6	True	
7	GTRLQUAL	varchar	6	True	
8	LTMDLRESULT	varchar	14	True	
9	LTMDLQUAL	varchar	6	True	
10	ANLNUM	smallint		False	Analyte Number
11	hSec	int	10	False	Security Handle

RLDEFHED

Reporting Limit Project Analyte Management Group listing

Primary Keys

- RLGROUP

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	RLGROUP	varchar	16	False	Report Limiting Group Name
2	RLDESCR	varchar	40	True	Report Limiting Group Description
3	MODDATE	datetime		True	Last Modified Date
4	MODUSER	varchar	12	True	Last Modified User

5	hSec	int	10	False	Security Handle
6	LW_PROJECTID	int	10	True	

RLSMPANL

Reporting Limit Sample Analyte details for Project Analyte Management Module

Primary Keys

- SAMPNO
- ACODE
- ANALYTE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample ID
2	ACODE	varchar	24	False	Analysis Code
3	ANALYTE	varchar	100	False	Analyte
4	REPLIMIT	real		False	Reporting Limit
5	LTRLRESULT	varchar	14	True	
6	LTRLQUAL	varchar	6	True	
7	GTRLQUAL	varchar	6	True	
8	LTMDLRESULT	varchar	14	True	
9	LTMDLQUAL	varchar	6	True	
10	ANLNUM	smallint		False	Analyte Number
11	DILFACTOR	real		False	Dilution Factor
12	hSec	int	10	False	Security Handle

RLSMPHED

Reporting Limit Sample Header details for Project Analyte Management Module

Primary Keys

- SAMPNO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample ID
2	RLGROUP	varchar	16	False	Reporting Limit Group Name
3	RLDESCR	varchar	40	True	Reporting Limit Group Description
4	MODDATE	datetime		True	Last Modified Date
5	MODUSER	varchar	12	True	Last Modified User
6	hSec	int	10	False	Security Handle

RLTSPECS

Reporting Limit Specifications for Project Analyte Management Module. (Migrated to ResultSpecs in 6.2)

Primary Keys

- LOCCODE
- ACODE
- ANLNAME

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	LOCCODE	varchar	24	False	Location Code
2	ACODE	varchar	24	False	Analysis Code
3	ANLNAME	varchar	40	False	Analyte Name
4	LSPEC	varchar	14	True	Lower Specification Limit
5	LWARN	varchar	14	True	Lower Warning Limit
6	TARGET	varchar	14	True	Target Value
7	UWARN	varchar	14	True	Upper Warning Limit
8	USPEC	varchar	14	True	Upper Specification Limit
9	MODDATE	datetime		False	Last Modified Date
10	MODUSER	varchar	12	False	Last Modified User
11	hSec	int	10	False	Security Handle

SAMPLE

Primary Keys

- SAMPNO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample ID
2	OWNER	varchar	24	True	Sample Owner
3	SSTATUS	varchar	1	False	Sample Status
4	LOCCODE	varchar	24	True	Sample Point Code
5	LOCDESCR	varchar	60	True	Sample Point Description
6	LOGBATCH	varchar	300	True	Login Batch Name
7	LOGUSER	varchar	12	True	Login User
8	SUBDATE	datetime		True	Sample Submission Date
9	SAMPCOL	varchar	24	True	Sample Collector
10	COLDATE	datetime		True	Sample

					Collection Date
11	RDUEDATE	datetime		True	Due Date
12	DUEDATE	datetime		True	Sample Due Date
13	DOVAL	smallint		False	Do Validation Option Value
14	VALUSER	varchar	12	True	Sample Validator
15	VALDATE	datetime		True	Sample Validation Date
16	REPNAME	varchar	24	True	Report Name
17	REPCOPIES	smallint		False	Report Copies
18	DCOPY	smallint		False	Do Disk Copy Option Value
19	REPDATE	datetime		True	Report Date
20	REPADD1	varchar	40	True	Report Address Line 1
21	REPADD2	varchar	40	True	Report Address Line 2
22	REPADD3	varchar	40	True	Report Address Line 3
23	REPADD4	varchar	40	True	Report Address Line 4
24	REPADD5	varchar	40	True	Report Address Line 5
25	DOINV	smallint		False	Do Invoicing Option Value
26	INVNAME	varchar	24	True	Invoice Name
27	BILLRATE	real		False	Percentage of List price used for calculating charges
28	PRICELIST	varchar	24	True	Price List Name
29	INVDATE	datetime		True	Invoice Date
30	INVNO	int	10	False	Invoice Number
31	INVADD1	varchar	40	True	Invoice Address Line 1
32	INVADD2	varchar	40	True	Invoice Address Line 2
33	INVADD3	varchar	40	True	Invoice Address Line 3
34	INVADD4	varchar	40	True	Invoice Address Line 4
35	INVADD5	varchar	40	True	Invoice Address Line 5
36	PONUMBER	varchar	24	True	Purchase Order Number
37	PROJECT	varchar	24	True	Project Code
38	DOSPEC	smallint		False	Do Specification Check Option Value
39	COMTMASK	varchar	24	True	
40	EXPDATE	datetime		True	Expiration Date
41	MODDATE	datetime		True	Last Modified Date
42	MODUSER	varchar	12	True	Last Modified User
43	hSec	int	10	False	Security Handle
44	CURRENT_STATE	varchar	50	True	Sample Current State
45	SREADOWNER	varchar	24	True	Sample Read

46	LATITUDEREAL	decimal		True	LATITUDEREAL
47	LONGITUDEREAL	decimal		True	LONGITUDEREAL
48	LATITUDEEXPECTED	decimal		True	LATITUDEEXPECTED
49	LONGITUDEEXPECTED	decimal		True	LONGITUDEEXPECTED
50	COLDUEDATE	datetime		True	Collection Due Date
51	ADDRESS	varchar	255	True	Address
52	ADDRESSREAL	varchar	255	True	Real Address
53	IsReviewed	smallint		False	Is reviewed
54	SignUser	int	10	True	Sign User Id
55	SignDate	datetime		True	Sign Date
56	SignReason	nvarchar	1024	True	Sign Reason
57	CTReport	nvarchar	255	True	Custody Tracking report path
58	SPRIORITY	int	10	True	Sample Priority
59	DEPARTMENT	varchar	24	True	Department
60	NUMBEROFLABELS	int	10	True	Number of Labels
61	PSSTATUS	varchar	20	True	Sample Status
62	REQTIME	datetime		True	Request Time
63	COLOKTIME	datetime		True	Collection OK Time
64	LABRELEASETIME	datetime		True	Date/Time
65	PRODUCTOKTIME	datetime		True	Production OK Time
66	PARENTID	varchar	10	True	
67	PAUSED	smallint		True	Paused option flag
68	CUSTOMER	varchar	50	True	Customer
69	SHIPTIME	datetime		True	Ship Time
70	DISABLED	smallint		False	Scheduler Disable Option flag
71	OKTOCOLLECT	smallint		True	Ok to Collect Status Option
72	ORIGINALTIME	datetime		True	Original schedule time for sample
73	CREATEDATE	datetime		True	Create date time
74	COMPLETEDATE	datetime		True	Complete date time
75	INITIALSTATE	varchar	50	True	Initial State of sample
76	LW_PROJECTID	int	10	True	

SAMPMAILLIST

This table stores client (or mail list) data records associated with specific samples

Primary Keys

- SAMPNO

- MLRNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample ID
2	MLRNUM	smallint		False	Mail list row ordinal for reference
3	DOCTYPE	varchar	24	False	Mail list document type (FinalReport / Invoice / All)
4	ADDRTYPE	varchar	24	False	Mail list address type (Postal / Email / Fax / All)
5	PRIMARY	smallint		False	Address is primary for its doc type and addr type (0=false else=true)
6	ADDRESSEE	varchar	50	True	Name of addresses
7	STREET1	varchar	50	True	First street address line
8	STREET2	varchar	50	True	Second street address line
9	CITY	varchar	50	True	City
10	STATE	varchar	50	True	State State or province
11	POST_CODE	varchar	20	True	Postal code (zip)
12	COUNTRY	varchar	50	True	Country
13	PHONE_NUM	varchar	30	True	Phone number
14	FAX_NUM	varchar	30	True	Fax number
15	EMAIL_ADDR	varchar	50	True	Email address
16	CONTACT	varchar	50	True	Name of contact
17	CONTACT_PHONE	varchar	30	True	Phone number for contact
18	CONTACT_EMAIL	varchar	50	True	Contact email address
19	MODUSER	varchar	12	True	Row modified by
20	MODDATE	datetime		True	Row modified on
21	hSec	int	10	False	Security Handle

SAMPRELOGINGRP

Prelogin Group Information

Primary Keys

- PreLogGroupName

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	PreLogGroupName	varchar	50	False	Name
2	PreLogGroupXML	text	2147483647	True	XML Data

3	MODDATE	datetime		False	Last Modified
4	MODUSER	varchar	50	True	Last Modified By
5	hSec	int	10	False	Security Handle
6	DESCRIPTION	varchar	2000	True	Group description
7	STATUS	varchar	20	True	Group status
8	PRELOGGROUPID	numeric		False	Pre Login Group ID
9	PreLogGroupCategory	varchar	50	True	Pre Login Group Category

SECURITY_EVENT

Primary Keys

- SecEventID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SecEventID	int	10	False	
2	SecPointID	int	10	False	
3	Context	varchar	50	True	
4	DateTime_Event	datetime		True	
5	Event_Machine	varchar	50	True	
6	Event_UserID	varchar	50	True	
7	Event_hSec	int	10	False	
8	Detail1	varchar	50	True	
9	Detail2	varchar	50	True	

SECURITYLIC

Security License table tracking down each machine ID

Primary Keys

- hLic

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	hLic	int	10	False	Security License Number
2	MACHINE_ID	varchar	40	False	Machine ID
3	USERID	varchar	40	False	User ID
4	LIC_TYPE	varchar	16	False	License Type
5	RENEW_DATE	datetime		False	License Renewal Date

SECURITYLOG

Session tracking details of LABWORKS.

Primary Keys

- hSecLog

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	hSecLog	int	10	False	Security Log ID
2	EVENT_TYPE	varchar	16	False	Event Type
3	EVENT_DATE	datetime		False	Event Date
4	MACHINE_ID	varchar	60	True	Machine ID
5	PROGRAM_ID	varchar	40	True	Program ID
6	USERID	varchar	40	True	User ID
7	DETAIL1	varchar	255	True	Session event description
8	DETAIL2	varchar	255	True	Event action code
9	ACTIVESESSIONS	int	10	False	Active Sessions

SESSIONPROCESSES

Session process details of LABWORKS

Primary Keys

- WorkstationID
- ApplicationName

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	WorkstationID	nvarchar	50	False	WorkStation Identifier
2	ApplicationName	nvarchar	50	False	Application Name
3	ProcessName	nvarchar	50	True	Process Name
4	IsLoggedIn	int	10	True	Is Loggedin
5	ProcessStartTime	datetime		True	Process start time

SESSIONS

Session details of LABWORKS

Primary Keys

- WorkstationID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	WorkstationID	nvarchar	50	False	WorkStation Identifier
2	SessionType	nvarchar	50	False	Session Type
3	OpenDateTime	datetime		True	Open Date Time
4	ActivityNotifyDat	datetime		True	Activity Notify

	eTime				Date
5	UserId	int	10	True	User Identifier

SFRANGES

Ranges for rounding

Primary Keys

- ACODE
- ANLNAME

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	Analysis Code
2	ANLNAME	varchar	100	False	Analyte Name
3	MRL	real		False	Method Reporting Limit
4	XVAL	varchar	24	False	Replacement Value
5	RANGES	text	2147483647	True	XML Range Data

SGTESTS

The SGTESTS table stores lists of analyses in sample analyses groups (#XXXXX)

Primary Keys

- ACODE
- SGACODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	Analysis Code
2	SGACODE	varchar	24	False	Study Group Test Code
3	SGANUM	smallint		False	Study Group Test Number
4	hSec	int	10	False	Security Handle

SIADEFLT

The Special Analysis Info Default (SIADEFLT) table stores information used with special information forms. An analysis special information form permits the creating of a data structure, which is specific to one or more analysis codes. The defaults for the special information form are store in this table. (Moved to LabObjSpecInfo)

Primary Keys

- ACODE

- SIFLDNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	varchar	24	False	Analysis Code
2	SIFLDNUM	smallint		False	Special Information Field ID
3	FLDTITLE	varchar	80	True	Default Field Name
4	FLDVALUE	varchar	60	True	Default Field Value
5	MODDATE	datetime		True	Last Modified Date
6	MODUSER	varchar	12	True	Last Modified User
7	hSec	int	10	False	Security Handle

SIDEFLT

Special Info default values for fields listing available in the Special Info form template definition.(Moved to LabObjSpecInfo)

Primary Keys

- LOCCODE
- SIFLDNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	LOCCODE	varchar	24	False	Location Code
2	SIFLDNUM	smallint		False	Special Information Field ID
3	FLDTITLE	varchar	80	True	Default Field Name
4	FLDVALUE	varchar	60	True	Default Field Value
5	MODDATE	datetime		True	Last Modified Date
6	MODUSER	varchar	12	True	Last Modified User
7	hSec	int	10	False	Security Handle

SIFORMDEF

Special Info Fields definition for each form

Primary Keys

- SINFOFRM
- SIFLDNAME

Sr.No.	Name	Type	Size	Allow Null	Description

			(Characters)	(True/False)	
1	SINFOFRM	varchar	24	False	Special Information Form Name
2	FIELDNUM	smallint		False	Field ID
3	FLDPROMPT	varchar	80	True	Field Prompt
4	FLDTYPE	varchar	2	True	Field Type
5	FLDMAXCHARS	smallint		False	Maximum Characters for Field
6	FLDTOP	int	10	False	Top Coordinate for the Field
7	FLDLEFT	int	10	False	Left Coordinate for the Field
8	FLDFONTSIZE	smallint		False	Field Font Size
9	FLDFONTPROPS	smallint		False	Font Properties
10	FLDFONTCOLOR	int	10	False	Field Font Color
11	FLDREQUIRED	smallint		False	Field Mandatory Flag
12	FLDFONTNAME	varchar	65	True	Field Font Name
13	CTLLENGTH	int	10	False	Field length
14	FLDOTHER	varchar	20	True	Other value associated with a field (ex: a picture file)
15	TABORDER	smallint		False	Tab Order for the Field
16	hSec	int	10	False	Security Handle
17	SIFLDNAME	nvarchar	85	False	FieldName

SIGNATURE_OBJ

Primary Keys

- SIGNATURE_ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SIGNATURE_ID	bigint		False	
2	SIGNATURE_OBJECT	image	2147483647	True	

SPECIALPRICELIST

Special Pricing

Primary Keys

- PRICELIST_NAME
- ACODE

Sr.No.	Name	Type	Size	Allow Null	Description

1	PRICELIST_NAME	varchar	24	False	PriceList
2	ACODE	varchar	24	False	Analysis Code
3	APRICE	float		False	Price

SPECINFO

This table stores information from the special information fields. (Moved to LabObjSpecInfo)

Primary Keys

- SAMPNO
- ACODE
- SIFLDNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	Sample ID
2	ACODE	varchar	24	False	Analysis Code
3	SIFLDNUM	smallint		False	Special Information Field ID
4	FLDTITLE	varchar	80	True	Special Information Field Name
5	FLDVALUE	varchar	60	True	Special Information Field Value
6	MODDATE	datetime		True	Last Modified Date
7	MODUSER	varchar	12	True	Last Modified User
8	hSec	int	10	False	Security Handle

SPECMASTER

Specification Definition

Primary Keys

- SPECNAME
- VIOLTYPE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SPECNAME	varchar	24	False	Specification Name
2	SPECTYPE	varchar	12	False	Type
3	UIDESCRIPTION	varchar	40	False	Description
4	PRIORITY	smallint		False	Evaluation Priority
5	SEVERITY	varchar	1	False	Compatilibty

					Severity
6	VIOLTYPE	int	10	False	Type
7	VIOLTYPE	int	10	False	Type

State_Location

State Location

Primary Keys

- Object_Name
- State

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Object_Name	nvarchar	50	False	Object Name
2	State	nvarchar	50	False	State
3	XLocation	int	10	True	X location
4	YLocation	int	10	True	Y Location

StateMaster

State Definitions

Primary Keys

- StateName
- ObjectType

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	StateName	varchar	50	False	Name
2	StateType	varchar	50	True	Type
3	StateDescr	varchar	80	True	Description
4	ObjectType	varchar	50	False	Object Type
5	Active	int	10	True	Is Active
6	Color	int	10	True	Color of the state
7	SortOrder	int	10	True	Sort Order
8	SSTATUS	varchar	1	True	Sample Status
9	PSSTATUS	varchar	20	True	Process Scheduler sample Status

StateTransitions

State Definitions

Primary Keys

- ObjectType

- StartState
- EndState
- TransMode
- AutoPriority

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ObjectType	varchar	50	False	Type
2	StartState	varchar	50	False	Start
3	EndState	varchar	50	False	End
4	TransMode	varchar	50	False	Transition Type
5	AutoPriority	int	10	False	Priority for AutoTransistions
6	AutoRules	varchar	255	True	Method for evaluation
7	ManualPrivs	varchar	255	True	Privs Required
8	ManualESignDialog	varchar	255	True	Auth Dialog
9	NotifyType	varchar	50	True	Notify
10	NotifyTarget	varchar	255	True	Notify Target
11	Comments	varchar	255	True	Comments
12	ActionCode	varchar	50	True	Action
13	ActionLabel	varchar	50	True	Descriptive Label
14	TempRowOrder	int	10	True	Index

SUSERFLDS

The sample user fields, SUSERFLDS, table stores user defined information common to all location codes and samples. The USERFLDS table stores the default user field data for a location code, and the SUSERFLDS stores the User Field data associated with a sample. The function can handle up to 50 user defined fields

Primary Keys

- SAMPNO

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SAMPNO	varchar	7	False	
2	MYSAMPNO	varchar	50	True	
3	MYUSER2	varchar	50	True	
4	hSec	int	10	False	
5	DV_STATUS	varchar	50	True	
6	SAMPLER_ID	varchar	50	True	

SYSMGR

System Manager Parameter listing and their values (settings).

Primary Keys

- SYSMGROPT

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	SYSMGROPT	varchar	100	False	System Manager Setting
2	SYSMGRVAL	varchar	100	True	System Manager Setting String Value
3	SYSMGRLVAL	int	10	False	System Manager Setting Long Value
4	SYSMGRBVAL	smallint		False	System Manager Setting Boolean Value
5	SYSFIELDTYPE	varchar	2	True	System Manager Setting Type
6	hSec	int	10	False	Security Handle

TPHEADER

Trend Plot Group Definition

Primary Keys

- TGRPNAME

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	TGRPNAME	varchar	20	False	Trend Plot Group Name
2	TGRPTITLE	varchar	80	True	Trend Plot Group Title
3	LAYOUT	varchar	4	True	Trend Plot Layout Option
4	PAGESECS	int	10	False	Paging Rate
5	REFRESHMINS	int	10	False	Data Refresh Rate
6	hSec	int	10	False	Security Handle

TPPLOT

Trend Plot Definition

Primary Keys

- TGRPNAME
- PLOTNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	TGRPNAME	varchar	20	False	Trend Plot Group Name
2	LOCCODE	varchar	24	True	Location Code
3	ACODE	varchar	24	False	Analysis Code
4	ANALYTE	varchar	100	True	Analyte Name

5	COLOR	int	10	False	Color Code for the Lines
6	YMAX	varchar	14	True	Maximum on Y-Axis
7	YMIN	varchar	14	True	Minimum on Y-Axis
8	YGRID	varchar	10	True	Y-Axis Increment Value
9	XLABELOPT	varchar	4	True	X-Axis Label Option Code
10	XSORTOPT	varchar	4	True	X-Axis Sort Option Code
11	POINTS	smallint		False	Number of points to be Plotted
12	SHOWUSPC	smallint		False	Option to Display Upper Specification Limit
13	SHOWUWAR	smallint		False	Option to Display Upper Warning Limit
14	SHOWTARG	smallint		False	Option to Display Target Value
15	SHOWLWAR	smallint		False	Option to Display Lower Warning Limit
16	SHOWLSPC	smallint		False	Option to Display Lower Specification Limit
17	PLOTNUM	smallint		False	Plot Number
18	hSec	int	10	False	Security Handle
19	YLABELOPT	varchar	4	True	Y-Axis Label Option Code

Transition_Location

Primary Keys

- Object_Name
- Transition

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	Object_Name	nvarchar	50	False	
2	StartState	nvarchar	50	True	
3	EndState	nvarchar	50	True	
4	Transition	nvarchar	50	False	
5	XLocation	int	10	True	
6	YLocation	int	10	True	

URESOURCE

Resource to Privilege mapping. Each resource will have a row entry for each of the privilege type it is associated with.

Primary Keys

- UNUMBER
- URTYPE
- URVALUE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	UNUMBER	int	10	False	User ID
2	URTYPE	varchar	8	False	User Resource Type
3	URVALUE	varchar	24	False	User Resource Value
4	UMODDATE	datetime		True	Last Modified Date
5	hSec	int	10	False	Security Handle
6	URDATA	text	2147483647	True	

USERFLDS

Table to store User Field Names, this table must have the matching field in exactly the same sequence as in SUSERFLDS table. This table contains default values for each user field for all location codes. The function can handle up to 50 user defined fields

Primary Keys

- LOCCODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	LOCCODE	varchar	24	False	
2	MYSAMPNO	varchar	50	True	
3	MYUSER2	varchar	50	True	
4	hSec	int	10	False	
5	DV_STATUS	varchar	50	True	
6	SAMPLER_ID	varchar	50	True	

USERHEAD

LABWORKS User Table

Primary Keys

- UNUMBER

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	UNUMBER	int	10	False	User ID
2	LASTNAME	varchar	20	False	User Last Name
3	FIRSTNAME	varchar	20	True	User First Name
4	TITLE	varchar	8	True	User Title
5	INITIALS	varchar	12	False	User Initials
6	PASSWORD	varchar	11	False	User Password
7	MODDATE	datetime		True	Last Modified

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
					Date
8	hSec	int	10	False	Security Handle
9	UGROUP	varchar	24	True	Grouping
10	EMAIL_ADDRESS	varchar	80	True	Email
11	CURRENT_STATE	varchar	50	True	Active/Suspended
12	USER_SITE	varchar	50	False	License Site
13	USER_CLASS	int	10	False	User License Type
14	ENCRYPT_PWD	varchar	40	True	Hash of Password
15	LDAPUSERID	varchar	256	True	LDAP User Identidier

VIOLATIONREORDERDETAILS

Sequential Testing Configuration. This table is used by new Violation reorder application for storing configured rules

Primary Keys

- ID
- VIOLID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Unique ID
2	VIOLID	int	10	False	Violation Master ID
3	FIELD	varchar	15	True	Field name
4	VALUE	varchar	24	True	Field Value
5	ADDASREPLICATE	smallint		False	Add as a replicate setting
6	ANUM	smallint		True	Analysis sequence number
7	ONLYVIOLATEDANALYTES	smallint		True	Violated Analytes

VIOLATIONREORDERMASTER

Sequential Testing Configuration. This table is used by new Violation reorder application for storing configured rules

Primary Keys

- ID

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ID	int	10	False	Unique ID
2	ANALYSISRULENAME	varchar	50	False	Name of the analysis rule
3	ACODE	varchar	24	False	Analysis Code
4	ANLNAME	varchar	100	True	Analyte Name

5	LOCCODE	varchar	40	False	Location Code
6	ANLDUEOPT	char	1	True	Analysis due date calculation options
7	TRIGGEREXE	nvarchar	250	True	
8	TRIGGERARGS	nvarchar	2000	True	
9	TRIGGERONLY ONVIOL	smallint		True	

VIOLREORDER

Sequential Testing Configuration. This table is only used by legacy application

Primary Keys

- ACODE
- ANLNAME
- ANUM
- LOCCODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	nvarchar	24	False	Analysis Code
2	ANLNAME	nvarchar	100	False	Analyte Name
3	ANUM	int	10	False	Analysis Index
4	LOCCODE	nvarchar	24	False	Location Code
5	DUEOPT	nvarchar	1	True	Type
6	COMPLETE	nvarchar	24	True	Acode to assign on completion
7	VIOLCODE	nvarchar	24	True	Acode to assign on violation
8	TARGETCODE	nvarchar	24	True	Acode to assign on target violation
9	LSPECCODE	nvarchar	24	True	Acode to assign on lspec violation
10	LWARNCODE	nvarchar	24	True	Acode to assign on lwarn violation
11	UWARNCODE	nvarchar	24	True	Acode to assign on uwarn violation
12	USPECCODE	nvarchar	24	True	Acode to assign on uspec violation
13	RECALCCODE	nvarchar	24	True	Code to use as base for new calculation

WORKINGDAYTIME

Day of work working times

Primary Keys

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	DAY	varchar	50	False	Day of week
2	STARTTIME	varchar	50	False	Start Time
3	ENDTIME	varchar	50	False	End Time

XLCALCHEAD

Listing of EXCEL Calculation Fields as defined in EXCEL Calculation Setup program

Primary Keys

- XLCALCCODE

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	XLCALCCODE	varchar	16	False	Excel Calculation Code
2	XLCALCDESC	varchar	40	True	Excel Calculation Description
3	XLSNAME	varchar	8	False	Excel Workbook (.XLS) file
4	WSNAME	varchar	16	True	Excel Worksheet Name
5	MODUSER	varchar	12	True	Last Modified User
6	MODDATE	datetime		True	Last Modified Date
7	hSec	int	10	False	Security Handle
8	WSMACRO	varchar	50	True	Excel Worksheet Macro name

XLPARAMS

Listing of Calculation parameters for each calculation definition in XLCALCHEAD table, including details of cell location

Primary Keys

- XLCALCCODE
- PARAMNUM

Sr.No.	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	XLCALCCODE	varchar	16	False	Excel Calculation Code
2	PARAMNUM	smallint		False	Parameter ID
3	PARAMTYPE	smallint		False	Parameter Type
4	ACODE	varchar	24	False	Analysis Code
5	ANALYTE	varchar	100	True	Analyte Name
6	AITEM	varchar	4	True	Analysis Item
7	WSCELL	varchar	6	True	Cell Address

| 8 | hSec | int | 10 | | False | Security Handle |
| 9 | DATETIMEOPTI ON | smallint | | | False | |

Appendix: LABWORKS 7.2 Entry Relationship Diagrams

Location Code / Analysis Definition

LOCLIST
- 🔑 LOCCODE
- DESCR
- OWNER
- PROJECT
- REPNAME
- INVNAME
- USERPROG
- PRICELIST
- REPADD1
- REPADD2
- REPADD3
- REPADD4
- REPADD5
- INVADD1
- INVADD2
- INVADD3
- INVADD4
- INVADD5
- DOINV
- DOVAL
- DOSPEC
- DCOPY
- REPCOPIES
- BILLRATE
- CHOLDMINS
- RHOLDMINS
- DUEOPT
- COMTMASK
- MODDATE
- MODUSER
- hSec
- CURRENT_STATE
- LREADOWNER
- LSAMPOWNER
- LATITUDE
- LONGITUDE
- ADDRESS
- LW_PROJECTID

LOCTESTS
- 🔑 LOCCODE
- 🔑 ACODE
- CHOLDMINS
- RHOLDMINS
- LTESTNUM
- hSec
- NOOFREPLICATES
- REPLICATEMETHOD
- AREF
- REPSELECTION

USERFLDS
- 🔑 LOCCODE
- MYSAMPNO
- MYUSER2
- hSec
- DV_STATUS
- SAMPLER_ID

LABOBJCOMMENTS
- 🔑 OBJID
- 🔑 OBJTYPE
- 🔑 COMMENTNUMB
- COMMENTTEXT
- MODDATE
- MODUSER
- HSEC

ANALYTES
- 🔑 ACODE
- 🔑 ANLNAME
- ANLNUM
- ANLABBR
- ANLMDL
- CASNUMB
- ANLPQL
- hSec
- ANLUNIT
- AREF
- MODDATE
- DEFAULTQUALIFIER

ANL_LIST
- 🔑 ACODE
- ANAME
- AUNIT
- AMDL
- ADEPT
- AREF
- CHOLDMINS
- RHOLDMINS
- APRICE
- NONREP
- NONINV
- SIGFIGS
- WORKUNIT
- COMPFILE
- REPALL
- ADDCOMPS
- SIFORM
- MODDATE
- MODUSER
- AOWNER
- hSec
- RLT_TYPE
- RLT2_TYPE
- QUAL_TYPE
- CURRENT_STATE
- ANLOWNER
- ANLREADOWNER
- ANLRLTOWNER
- NOOFREPLICATES
- REPLICATEMETHOD
- REPSELECTION
- DEFAULTRESULT
- RLTUNIT_TYPE
- DEFAULTQUALIFIER

NTTEXT
- 🔑 ACODE
- NTRESULT
- hSec

Sampe And Result Data

SAMPLE
- SAMPNO
- OWNER
- SSTATUS
- LOCCODE
- LOCDESCR
- LOGBATCH
- LOGUSER
- SUBDATE
- SAMPCOL
- COLDATE
- RDUEDATE
- DUEDATE
- DOVAL
- VALUSER
- VALDATE
- REPNAME
- REPCOPIES
- DCOPY
- REPDATE
- REPADD1
- REPADD2
- REPADD3
- REPADD4
- REPADD5
- DOINV
- INVNAME
- BILLRATE
- PRICELIST
- INVDATE
- INVNO
- INVADD1
- INVADD2
- INVADD3
- INVADD4
- INVADD5
- PONUMBER
- PROJECT
- DOSPEC
- COMTMASK
- EXPDATE
- MODDATE
- MODUSER
- hSec
- CURRENT_STATE
- SREADOWNER
- LATITUDEREAL
- LONGITUDEREAL
- LATITUDEEXPECTED
- LONGITUDEEXPECTED
- COLDUEDATE
- ADDRESS
- ADDRESSREAL
- IsReviewed
- SignUser
- SignDate
- SignReason
- CTReport
- SPRIORITY
- DEPARTMENT
- NUMBEROFLABELS
- PSSTATUS
- REQTIME
- COLOKTIME
- LABRELEASETIME
- PRODUCTOKTIME
- PARENTID
- PAUSED
- CUSTOMER
- SHIPTIME
- DISABLED
- OKTOCOLLECT
- ORIGINALTIME
- CREATEDATE
- COMPLETEDATE
- INITIALSTATE
- LW_PROJECTID

ANALYSIS
- SAMPNO
- ACODE
- ADEPT
- ASTATUS
- QBATCHED
- ASSIGN_ANL
- ASSIGN_INST
- RADUEDATE
- ADUEDATE
- ASDATE
- AEDATE
- APRICE
- ANALYST
- AVALUSER
- AVALDATE
- RLTSOURCE
- ANLLIMIT
- SIFORM
- ANUM
- AMODDATE
- AMODUSER
- APRICESET
- AOWNER
- hSec
- RLT_TYPE
- RLT2_TYPE
- QUAL_TYPE
- AREADOWNER
- SGACODE
- CACODE
- NOOFREPLICATES
- REPLICATEMETHOD
- AREF
- REPSELECTION
- INSTRUMENT
- PREPDATE

SUSERFLDS
- SAMPNO
- MYSAMPNO
- MYUSER2
- hSec
- DV_STATUS
- SAMPLER_ID

RESULT
- SAMPNO
- ACODE
- ANALYTE
- RESULT
- RESULT2
- QUALIFY
- MDL
- VIOLTYPE
- VIOLVALUE
- VIOLDATE
- VIOLUSER
- RLTNUM
- RMODDATE
- RMODUSER
- DILFACTOR
- RAWRESULT
- STARTDATE
- ENDDATE
- ANALYST
- hSec
- PQL
- RAWMDL
- RAWPQL
- RLTUNIT
- RLTSOURCE
- RESULTPART
- REPLNUM
- RESULTCHECKSUM
- CHECKSUMVERSION
- AREF

NTRLTS
- SAMPNO
- ACODE
- NTRESULT
- hSec
- RESULTCHECKSUM
- CHECKSUMVERSION
- AREF
- RMODDATE

LABOBJCOMMENTS
- OBJID
- OBJTYPE
- COMMENTNUMB
- COMMENTTEXT
- MODDATE
- MODUSER
- HSEC

Common Tables

RESULTSPECS

🔑	OBJECTTYPE
🔑	OBJECTID
🔑	SPECNAME
🔑	ANALYSISCODE
🔑	ANALYTENAME
🔑	RESULTPART
	NUMVALUE1
	NUMVALUE2
	TEXTVALUE
	HSEC

LABOBJSPECINFO

🔑	OBJID
🔑	OBJTYPE
🔑	SIFLDNAME
🔑	FORMNO
	SIFORMNAME
	FIELDNUM
	FLDVALUE
	FLDPROMPT
	MODDATE
	MODUSER

LABOBJMAILLIST

🔑	OBJID
🔑	OBJTYPE
🔑	MLREFERENCE
🔑	OBJNUMB
	DOCTYPE
	ADDRTYPE
	[PRIMARY]
	ADDRESSEE
	STREET1
	STREET2
	CITY
	STATE
	POST_CODE
	COUNTRY
	PHONE_NUM
	FAX_NUM
	EMAIL_ADDR
	CONTACT
	CONTACT_PHONE
	CONTACT_EMAIL
	MODUSER
	MODDate
	hsec

LABOBJOBJECTS

🔑	OBJID
🔑	OBJTYPE
🔑	OBJNUMB
	OBJDESCR
	OBJSPEC
	MODDATE
	MODUSER
	OBJDATA
	HSEC

Process Scheduler

PSTIMEMAIN

🔑	PSID
🔑	PSTIME
	PSINTERVAL
🔑	PSINTERVALTYPE
	PSSTARTTIME
	PSENDTIME
	PSENABLED
	hSec
	LW_PROJECTOVERRIDE
	LW_PROJECTID

PSPRIORITY

🔑	PSLPRIORITY
	PSPRIORITYABREV
	PSPRIORITYDESCR
	hSec

PSSHELFLIFE

🔑	PSSHELFLIFEID
	PSSAMPLEID
	PSSAMPNO
	PSID
	PSSHELFLIFE_OFFSET
	PSANALYSES
	PSCOMMENT
	PSMASTERTEMPLATE
	PSMASTERID

PSTIMEHEAD

🔑	PSTIMEHEADID
	PSID
	PSTIME
	PSLOCCODE
	PSINTERVALTYPE
	PSLOCDESCR
	PSLOCOWNER
	PSNUMBEROFLABELS
	PSPRIORITY
	PSOWNER
	PSCOMMENT
	PSANALYSES
	PSANALYSES2
	PSEVENT
	PSCUSTOMER
	PSOKTOCOLLECT
	PSUSER1
	PSUSER2
	PSUSER3
	PSUSER4
	PSUSERNUMBER1
	PSUSERNUMBER2
	PSPRELOGBATCH
	hSec
	PSACTIVEFROM
	PSACTIVETO
	PRINTERNAME
	LABELNAME
	LW_PROJECTID

PSTIMEHEADEXTENSION

🔑	PSTIMEEXTID
	PSTIMEHEADID
	PSINTERVALTYPE
	PSINTERVAL
	PSANALYSES

PSCONTAINER_PRELOG

🔑	PSID
🔑	PSTIME
🔑	PSLOCCODE
🔑	PSINTERVALTYPE
🔑	PSCONTAINERINDEX
	PSCONTAINERNLABELS
	PSCONTAINERDESC
	PSCONTAINERANALYSES
	PSCONTAINERCOMMENT
	hSec

PSCONTAINER

	PSSAMPLEID
	PSCONTAINERINDEX
	PSCONTAINERNLABELS
	PSCONTAINERDESC
	PSCONTAINERANALYSES
	PSCONTAINERCOMMENT
	hSec
	PSSAMPNO
🔑	ID

LABWORKS Built-In Calculation

CALCDEFS

🔑	ACODE
	KEYTEST
	CALCMDL
	NNOPTION
	INVAR1
	INVAR2
	INVAR3
	INVAR4
	INVAR5
	INVAR6
	INVAR7
	INVAR8
	INVAR9
	INVAR10
	CFUNCT
	MODDATE
	MODUSER
	hSec
	DATETIMEOPTION

CALCPARAMS

🔑	ACODE
	INVAR
🔑	INVAR_INDEX

LABWORKS Excel Calculation

XLCALCHEAD

🔑	XLCALCCODE
	XLCALCDESC
	XLSNAME
	WSNAME
	MODUSER
	MODDATE
	hSec
	WSMACRO

XLPARAMS

🔑	XLCALCCODE
🔑	PARAMNUM
	PARAMTYPE
	ACODE
	ANALYTE
	AITEM
	WSCELL
	hSec
	DATETIMEOPTION

Project Analyte Management

RLDEFHED

🔑	RLGROUP
	RLDESCR
	MODDATE
	MODUSER
	hSec

RLDEFANL

🔑	RLGROUP
🔑	ACODE
🔑	ANALYTE
	REPLIMIT
	LTRLRESULT
	LTRLQUAL
	GTRLQUAL
	LTMDLRESULT
	LTMDLQUAL
	ANLNUM
	hSec

RLSMPHED

🔑	SAMPNO
	RLGROUP
	RLDESCR
	MODDATE
	MODUSER
	hSec

RLSMPANL

🔑	SAMPNO
🔑	ACODE
🔑	ANALYTE
	REPLIMIT
	LTRLRESULT
	LTRLQUAL
	GTRLQUAL
	LTMDLRESULT
	LTMDLQUAL
	ANLNUM
	DILFACTOR
	hSec

Analysis Qualification - Personal

ANALYSTS
- 🔑 INITIALS
- FULLNAME
- STATUS
- EmpDate
- EmpType
- Other
- hSec
- TEAMNAME
- COMMENTTEXT

ANALYST_TEAM
- 🔑 INITIALS
- 🔑 TEAMNAME

ANLTESTS
- 🔑 INITIALS
- 🔑 ACODE
- EXPDATE
- SOP
- hSec

PTExperience
- 🔑 Initials
- 🔑 Lab
- 🔑 StartDate
- EndDate
- Position
- Experience
- hSec

PTLicense
- 🔑 Initials
- 🔑 License
- 🔑 Granted
- Expire
- LicenseNo
- hSec

PTTraining
- 🔑 Initials
- 🔑 SchoolType
- 🔑 DateAttended
- DateEnded
- SchoolName
- hSec
- SchoolDesc

PTSchools
- 🔑 SchoolType
- SchoolDesc
- hSec

Instrument Qualification - Maintenance

INSTLIST
- 🔑 INSTCODE
- INSTNAME
- INSTSTATUS
- Manufactor
- Installed
- Serial_No
- hSec
- INSTLOCATION
- INST_PROGRAM
- INSTTYPE
- SOFTWARE_VERSION
- USE_SCHUMAKER
- COMMENTTEXT

INSTTESTS
- 🔑 INSTCODE
- 🔑 ACODE
- EXPDATE
- hSec

IMCINSTMAINT
- 🔑 INSTCODE
- 🔑 MAINTDATE
- INSTDESC
- DONEBY
- 🔑 TYPEOFWORK
- PONUMBER
- COST
- DOWNTIME
- DOWNFROM
- DOWNTO
- COMPLETED
- SCHEDULEDATE
- hSec
- MAINT_EMAIL_WARN_DATETI...

IMCINSTCALI
- 🔑 InstCode
- 🔑 CaliDate
- CaliUser
- 🔑 SampNo
- WorkDone
- Completed
- hSec
- CALIB_EMAIL_WARN_DATETIME

IMCPROCS
- 🔑 INSTCODE
- 🔑 PROCTYPE
- PROCTEXT
- hSec

QA-QC Templates and Samples

BATCHHEAD

🔑	BATCHID
	BATCHDESCR
	TEMPLATENAME
	WORKFLOW
	ASSIGNANALYST
	ASSIGNINSTR
	CURRENT_STATE
	MODUSER
	MODDATE
	CREATEDBY
	CREATEDATE
	eWorksheetId
	PREPDATE

BATCHTEMPLATE

🔑	BATCHID
	TEMPLATE

BATCHSAMPS

🔑	BATCH_NAME
🔑	BATCH_INDEX
	BATCH_SAMPNO
	BATCH_ANALYSES
	BATCH_SAMPTYPE
	hSec
	BATCH_SUBBATCH

BATCHITEMSTOCKS

🔑	ID
	BatchName
	ItemStockID
	Quantity

BATHEAD

🔑	BATNAME
	BATNUMB
	BATTEST
	BATDATE
	BATUSER
	QASAMP
	hSec

BATSAMPS

🔑	BATNAME
🔑	BSAMPNO
	hSec

Persisted Groups

GROUPHEADER

🔑	GRPID
	GRPTYPE
	TITLE
	CREATEDATE
	CREATEDBY
	CURRENT_STATE
	MODUSER
	MODDATE

GROUPPARAMS

🔑	GRPID
🔑	PARAMNAME
	PARAMNUMB
	PARAMVALUE
	TYPE
	PICKLIST

GROUPMEMBERS

	MEMBNUM
🔑	GRPID
🔑	MEMBTYPE
🔑	MEMBID

GROUPSIPROMPTS

🔑	GRPID
🔑	PROMPTNO
	SIPROMPT
	SIFORM