



Labworks, LLC
230 North 1200 E #202
Lehi, UT 84043
Phone: 844 452-2967
www.labworks.com

LABWORKS LIMS v6.9

Database Dictionary

Last Updated: May 2019

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ACTIONCODES

Listing of Workflow Action Codes.

Primary Keys

- ACTIONCODE

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

ANALYSIS

Analysis Codes (Tests) assigned to samples

Primary Keys

- SAMPNO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SAMPNO	Text	7	False	Sample Number
2.	ACODE	Text	24	False	Analysis Code
3.	ADEPT	Text	24	True	Department Code
4.	ASTATUS	Integer	2	True	Status
5.	QBATCHED	Integer	2	True	QA/QC Batched
6.	ASSIGN_ANL	Text	12	True	
7.	ASSIGN_INST	Text	24	True	
8.	RADUEDATE	Date/Time	8	True	
9.	ADUEDATE	Date/Time	8	True	Analysis Due Date
10.	ASDATE	Date/Time	8	True	Analysis Start Date
11.	AEDATE	Date/Time	8	True	Analysis End Date
12.	APRICE	Single	4	True	Analysis Price
13.	ANALYST	Text	12	True	Analyst
14.	AVALUSER	Text	12	True	Validated User
15.	AVALDATE	Date/Time	8	True	Validated Date
16.	RLTSOURCE	Text	128	True	Result Source
17.	ANLLIMIT	Integer	2	True	Analysis Limit

18.	SIFORM	Text	24	True	Special Info Form code
19.	ANUM	Integer	2	True	Analysis Number (serial number)
20.	AMODDATE	Date/Time	8	True	Last Modified Date
21.	AMODUSER	Text	12	True	Last Modified User
22.	APRICESET	Integer	2	False	Price
23.	AOWNER	Text	24	True	Analysis Owner
24.	hSec	Long Integer	4	True	Security Handle
25.	RLT_TYPE	Text	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	Text	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	Text	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	Text	24	True	Analysis Read Owner
29.	SGACODE	Text	24	True	Parent Study group
30.	CACODE	Text	24	True	
31.	NOOFREPLICATES	Integer	2	True	Number of replicates
32.	REPLICATEMETHOD	Text	20	True	Replicate method. Content of the field can be null or one of the following: MIN, MAX, AVERAGE

33.	REPSELECTION	Text	15	True	Replicate selection on. Content of the field can be null or one of the following: ALL_REPLICATES, MDL_RANGE
34.	AREF	Text	50	True	Analysis method reference

ANALYST_TEAM

Listing of Analyst Team Membership.

Primary Keys

- INITIALS

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

ANALYSTS

Listing of LAB Analysts.

Primary Keys

- INITIALS

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INITIALS	Text	12	False	Initials
2.	FULLNAME	Text	50	False	Full Name
3.	STATUS	Integer	2	True	Analyst Status
4.	EmpDate	Date/Time	8	True	Employed Date
5.	EmpType	Integer	2	True	Employment Type
6.	Other	Text	255	True	Other info
7.	hSec	Long Integer	4	True	Security Handle
8.	TeamName	Text	24	True	Users Team Membership

ANALYTES

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

Primary Keys

- ACODE
- ANLNAME

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ACODE	Text	24	False	Analysis Code
2.	ANLNAME	Text	40	False	Analyte Name
3.	ANLNUM	Integer	2	True	Analyte Number (serial Number)
4.	ANLABBR	Text	40	True	Analyte Abbreviation
5.	ANLMDL	Text	8	True	Analyte Minimum Detection Limit
6.	CASNUMB	Text	20	True	Chemical Abstract Number
7.	ANLPQL	Text	14	True	Practical Quantitation Limit
8.	ANLUNIT	Text	14	True	Units for Analyte
9.	Hsec	Long Integer	4	True	Security Handle
10.	AREF	Text	50	True	Analyte method reference
11.	MODDATE	Date/Time		True	ModDate

ANL_LIST

Table to hold all Analyses.

Primary Keys

- ACODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ACODE	Text	24	False	Analysis Code
2.	ANAME	Text	40	True	Analysis Name
3.	AUNIT	Text	14	True	Analysis Unit
4.	AMDLM	Text	8	True	MDL
5.	ADEPT	Text	24	True	Department
6.	AREF	Text	50	True	Method reference
7.	CHOLDMINS	Long Integer	4	True	Analysis Hold Minutes
8.	RHOLDMINS	Long Integer	4	True	Result Hold Minutes
9.	APRICE	Single	4	True	Analysis Price
10.	NONREP	Integer	2	True	Reportable flag
11.	NONINV	Integer	2	True	Invoiceable flag
12.	SIGFIGS	Integer	2	True	Significant figures flag

13.	WORKUNIT	Single	4	True	Work unit
14.	COMPFILE	Text	64	True	
15.	REPALL	Integer	2	True	Report All flag
16.	ADDCOMPS	Integer	2	True	
17.	SIFORM	Text	24	True	Special Info Template name
18.	MODDATE	Date/Time	8	False	Last Modified Date
19.	MODUSER	Text	12	True	Last Modified User
20.	AOWNER	Text	24	True	Owner
21.	hSec	Long Integer	4	True	Security Handle
22.	RLT_TYPE	Text	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	Text	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	Text	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	Text	50	True	Analysis Code State
26.	ANLOWNER	Text	24	True	Analysis Code Owner
27.	ANLREADOWNER	Text	24	True	Analysis Read Owner
28.	ANLRLTOWNER	Text	24	True	Analysis Result Owner
29.	NOOFREPLICATES	Integer	2	True	Number of replicates

30.	REPLICATEMETHOD	Text	20	True	Replicate method. Content of the field can be null or one of the following: MIN, MAX, AVERAGE
31.	REPSELECTION	Text	15	True	Replicate selection on. Content of the field can be null or one of the following: ALL_REPLICATES, MDL_RANGE
32.	DEFAULTRESULT	Text	14	True	

ANL_MATRIX

Analysis Matrix Details.

Primary Keys

- ACODE
- MATRIX

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ACODE	Text	24	False	Analysis Code
2.	MATRIX	Text	24	False	Matrix Name
3.	MODDATE	Date/Time	8	False	Last Modified Date
4.	MODUSER	Text	12	True	Last Modified User
5.	hSec	Long Integer	4	True	Security Handle

ANOBJECT

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

Foreign Keys

- SAMPNO
- ACODE
- OBJNUMB

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SAMPNO	Text	7	False	Sample ID
2.	ACODE	Text	24	False	Analysis Code
3.	OBJNUMB	Integer	2	False	Object Number (In sequence – unique for SampNo)
4.	OBJDESCR	Text	255		Description (physical path)

5.	OBJSPEC	Text	255	False	Specification (physical path)
6.	COMPRESSED	Integer	2		Compressed flag
7.	MODDATE	Date/Time	8		Last Modified Date
8.	MODUSER	Text	12		Last Modified User
9.	OBJDATA	Memo	-		Data for Object
10.	hSec	Long Integer	4		Security Handle

ANLSUBST

Analyte substitutions listing for each Instrument Analyte.

Primary Keys

- INSTTYPE
- IANALYTE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INSTTYPE	Text	16	False	Instrument Type
2.	IANALYTE	Text	40	False	Instrument Analyte
3.	LANALYTE	Text	40	False	Lab Analyte
4.	hSec	Long Integer	4		Security Handle

ANLTESTS

Analysis Listing for each LABWORKS Analyst.

Primary Keys

- INITIALS
- ACODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INITIALS	Text	12	False	Analyst Initials
2.	ACODE	Text	24	False	Analysis Code
3.	EXPDATE	Date/Time	8	True	Expiry Date
4.	SOP	Integer	2	True	
5.	hSec	Long Integer	4	True	Security Handle

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

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

AUDITTRAIL

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

Primary Keys

- KEYCOUNTER

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

10.	OLDVALUENUMBER	Float		True	Old Numeric Value
11.	NEWVALUENUMBER	Float		True	New Numeric Value
12.	OLDVALUEDATE	Date/Time	8	True	Old Date Value
13.	NEWVALUEDATE	Date/Time	8	True	New Date Value
14.	REASON	Text	255	True	Change Reason
15.	AdditionalInformation	Text		TRUE	More Information
16.	hSec	Integer		TRUE	Security Reference
17.	AUDITTYPE	Text	50	TRUE	Type of Audit
18.	OLDLONGTEXT	Ntext		TRUE	Old Long text value
19.	NEWLONGTEXT	Ntext		TRUE	New Long Text Value
20.	AUDITCHECKSUM	Text	40	TRUE	Checksum Value
21.	CHECKSUMVERSION	Integer		TRUE	Checksum Version

BATCHHEAD

QA/QC Batch Header Details – 6.2 Batching.

Primary Keys

- BATCHID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	BATCHID	Text	40	False	Batch ID
2.	BATCHDESCR	Text	60	True	Batch Description
3.	TEMPLATENAME	Text	50	False	Batch Template
4.	WORKFLOW	Text	50	True	Batch Workflow
5.	ASSIGNANALYST	Text	12	True	Assigned Analyst
6.	ASSIGNINSTR	Text	24	True	Assigned Instrument
7.	CURRENT_STATE	Text	50	True	Batch State
8.	MODUSER	Text	12	True	Last Modified User

9.	MODDATE	Date/Time		True	Last Modification Date
10.	CREATEDBY	Text	12	True	Created User
11.	CREATEDATE	Date/Time		TRUE	Creation Date
12.	eWorksheetId	Long Integer		True	E worksheet Identifier

BATCHSAMPS

Samples associated with QA/QC Batches 6.2 Batching

Primary Keys

- BATCH_NAME
- BATCH_INDEX
- BATCH_SAMPNO

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

BATCHTEMPLATE

QA/QC Batches Template 6.2 Batching

Primary Keys

- BATCH_ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	BATCHID	Text	40	False	Batch ID
2.	TEMPLATE	nText		False	Xml description of template

BATHEAD

QA/QC Batch Header Details.

Primary Keys

- BATNAME

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	BATNAME	Text	16	False	Batch Name
2.	BATNUMB	Long Integer	4	False	Batch Number
3.	BATTEST	Text	24	False	Batch Test
4.	BATDATE	Date/Time	8	True	Batch Date
5.	BATUSER	Text	12	True	Batched User
6.	QASAMP	Text	7	True	QA Sample
7.	hSec	Long Integer	4	True	Security Handle

BATSAMPS

Samples associated with QA/QC Batches

Primary Keys

- BATNAME
- BSAMPNO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	BATNAME	Text	16	False	Batch Name
2.	BSAMPNO	Text	7	False	Batch Sample
3.	hSec	Integer	4	True	Security Handle

BMESSAGEQUEUE

Messages used between programs and users

Primary Keys

- MSGNUMBER

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	MSGNUMBER	Int		False	Message ID
2.	MSGBYPE	Text	32	True	Message Type

3.	SENDER	Text	255	True	Sender
4.	DESTINATION	Text	255	True	Destination
5.	MESSAGEBODY	Text	2000	True	Message
6.	STATUS	Text	50	True	Message Status
7.	DETAIL1	Text	64	True	Field for message detail 1
8.	DETAIL2	Text	64	True	Field for message detail 2
9.	DETAIL3	Text	64	True	Field for message detail 3
10.	StatusUpdateDateTime	DateTime		True	Last update
11.	MsgLocked	Integer		True	Message is locked
12.	MsgLockDateTime	DateTime		True	When message was locked
13.	CreateDateTime	DateTime		True	When message was created
14.	CreateUserID	Text	50	True	Who created message
15.	ModDateTime	DateTime		True	Last record modification
16.	ModUserID	Text	12	True	Last modification user
17.	MoveToArchive	Int		True	Move record to archive
19.	MessageText	Text	2000	True	Message Text

BMESSAGEYPES

List of message types

Primary Keys

- MsgTypeName

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	MsgTypeName	Text	50	False	Message Type
2.	Description	Text	50	False	Message Type Description
3.	IsNotification	Int		False	Send notification on message type

BOTTLELIST

Bottle Label listing with Analysis.

Primary Keys

- ACODE
- BOTTLECODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ACODE	Text	24	False	Analysis Code
2.	BOTTLECODE	Text	24	False	Bottle Label

3.	hsec	Long Integer	4	True	Security Handle
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CALCDEFS

Calculation Definition for Analysis.

Primary Keys

- ACODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ACODE	Text	24	False	Analysis Code
2.	KEYTEST	Integer	2	True	Key Test Index
3.	CALCMDL	Integer	2	True	Calculated MDL
4.	NNOPTION	Integer	2	False	Non Numeric Key value option
5.	INVAR1	Text	24	True	Input Parameter variable 1
6.	INVAR2	Text	24	True	Input Parameter variable 2
7.	INVAR3	Text	24	True	Input Parameter variable 3
8.	INVAR4	Text	24	True	Input Parameter variable 4
9.	INVAR5	Text	24	True	Input Parameter variable 5
10.	INVAR6	Text	24	True	Input Parameter variable 6
11.	INVAR7	Text	24	True	Input Parameter variable 7
12.	INVAR8	Text	24	True	Input Parameter variable 8
13.	INVAR9	Text	24	True	Input Parameter variable 9
14.	INVAR10	Text	24	True	Input Parameter variable 10
15.	CFUNCT	Text	128	False	Calculation Function
16.	MODDATE	Date/Time	8	True	Modified Date
17.	MODUSER	Text	12	True	Modified User
18.	hSec	Long Integer	4	True	Security Handle

CALCPARAMS

Listing of calculation parameters

Primary Keys

- ACODE
- INVAR_INDEX

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

CBANLS

Analysis Listing for Certificate of Analysis Customer Base.

Primary Keys

- CUSTBASE
- COANAME

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	CUSTBASE	Text	24	False	Customer Base Name
2.	COANAME	Text	40	True	COA Name
3.	COAUNIT	Text	14	True	COA Unit
4.	COAFORMAT	Text	10	False	COA Format
5.	ACODE	Text	24	True	Analysis Code
6.	ANALYTE	Text	40	True	Analyte
7.	CONVFACT	Single	4	True	Conversion factor
8.	SPECTYPE	Text	3	True	Spec Type
9.	VAL1	Text	14	True	Value 1
10.	VAL2	Text	14	True	Value 2
11.	WEIGHT	Integer	2	True	Weight
12.	ANLNUMB	Integer	2	True	
13.	Hsec	Long Integer	4	True	Security Handle
14.	MULTIVALUE_OPTION	Text	24	True	

CBCHARTANL

SQC Charting Analyte specification for Certificate of Analysis Customer Base.

Primary Keys

- CUSTBASE
- COANAME
- CHARTTYPE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	CUSTBASE	Text	24	False	Customer Base Name
2.	COANAME	Text	40	False	COA Name
3.	CHARTTYPE	Text	8	False	Chart Type
4.	OUTPUT	Text	1	False	Output
5.	RANGETYPE	Text	1	False	Range Type
6.	YAXISMIN	Single	4	True	Y Axis Min value
7.	YAXISMAX	Single	4	True	Y Axis Max value
8.	CHARTNUM	Integer	2	True	Chart number
9.	hSec	Long Integer	4	True	Security Handle

CBCHARTHEAD

SQC Charting specification for Certificate of Analysis Customer Base.

Primary Keys

- CUSTBASE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	CUSTBASE	Text	24	False	Customer Base Name
2.	DATASELECTIONTYPE	Text	1	False	Data selection type
3.	DSVAL1	Text	20	True	Data selection value 1
4.	DSVAL2	Text	20	True	Data selection value 2
5.	XAXISLABEL	Text	1	False	X Axis Label
6.	SUBGROUPBY	Text	1	False	Sub group by
7.	SUBGROUPSIZE (CHARACTERS)	Integer	2	True	Sub group size
8.	LAYOUT	Text	4	True	Chart Layout
9.	OVERWRITE	Integer	2	True	overwrite header and run files option Flag
10.	SHOWSPEC	Integer	2	True	Use COA specs option flag
11.	RUNRULES	Integer	2	True	Use Pattern Rules option flag
12.	NONNUMERIC	Text	1	True	Non numeric result option

13.	hSec	Long Integer	4	True	Security Handle
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CBHEADER

Customer Base specification.

Primary Keys

- CUSTBASE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	CUSTBASE	Text	24	False	Customer Base Name
2.	PRODDSCR	Text	32	True	Product Description
3.	CUSTOMER	Text	26	True	Customer Name
4.	PRODID	Text	16	True	Product ID
5.	CUSTADD1	Text	30	True	Customer Address 1
6.	CUSTADD2	Text	30	True	Customer Address 2
7.	CUSTADD3	Text	30	True	Customer Address 3
8.	CUSTADD4	Text	30	True	Customer Address 4
9.	CUSTADD5	Text	30	True	Customer Address 5
10.	ATTN1	Text	30	True	Attention Address 1
11.	ATTN2	Text	30	True	Attention Address 2
12.	ATTN3	Text	30	True	Attention Address 3
13.	ATTN4	Text	30	True	Attention Address 4
14.	ATTN5	Text	30	True	Attention Address 5
15.	COPIES	Integer	2	True	Copies to Print
16.	PROMPTGRP	Text	8	True	Prompt Group name
17.	CUSTFORM	Text	100	True	Custom form name
18.	MODDATE	Date/Ti me	8	True	Modified Date
19.	MODUSER	Text	12	True	Modified User
20.	hSec	Long Integer	4	True	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

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PROMPTGRP	Text	8	False	Prompt Group
2.	PRMTNUMB	Integer	2	False	Prompt Group Number
3.	PRMTTEXT	Text	30	True	Prompt Text
4.	hSec	Long Integer	4	True	Security Handle

CBVARS

Custom form Layout variables in Customer Base.

Primary Keys

- CUSTBASE
- VARNUMB

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

CCHARTDATA

Primary Keys

- CCGROUPNAME
- CCGROUPNUMBER
- SAMPNO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	CCGROUPNAME	Text	55	False	
2.	CCGROUPNUMBER	Long Integer	4	False	
3.	SAMPNO	Text	7	False	Sample ID

4.	VALIDATIONDATE	Date/Time	8	True	Validation Date
5.	hSec	Long Integer	4	True	Security Handle

CCHARTHEADER

Primary Keys

- CCGROUPNAME
- CCGROUPNUMBER
- MATRIX

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	CCGROUPNAME	Text	50	False	
2.	CCGROUPNUMBER	Long Integer	4	False	
3.	ACODE	Text	24	True	Analysis Code
4.	ANALYTE	Text	40	True	Analyte
5.	MATRIX	Text	24	False	Matrix
6.	CCGROUPDATE	Date/Time	8	True	Grouped Date
7.	hSec	Long Integer	4	True	Security Handle

CCHARTSETUP

Primary Keys

- ACODE
- ANALYTE
- MATRIX

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ACODE	Text	24	False	Analysis Code
2.	ANALYTE	Text	40	False	Analyte
3.	NPOINTS	Long Integer	4	True	
4.	ANUM	Long Integer	4	True	

5.	ANLNUM	Long Integer	4	True	
6.	STARTDATE	Date/Time	8	True	Start Date
7.	MATRIX	Text	24	False	Matrix
8.	hSec	Long	4	True	Security Handle
		Integer			

CINV_ANALYSIS

Analysis details in Inventory Management.

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SAMPNO	Text	7	False	Sample number
2.	ACODE	Text	24	False	Analysis Code
3.	ASTATUS	Integer	2	True	Status
4.	STATUSCOUNTER	Integer	2	True	

CINV_CERTIFICATIONS

Certifications in Inventory Management.

Primary Keys

- CERTIFICATIONDATE
- TRANSACTION_ID
- ITEM_ID
- LOT_NO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	CERTIFICATIONDATE	Date/Time	8	False	Certification Date
2.	TRANSACTION_ID	Integer	2	False	Transaction Identifier
3.	ITEM_ID	Integer	2	False	Item Identifier
4.	LOT_NO	Text	24	False	Lot number
5.	NEXTCERTIFICATIONDATE	Date/Time	8	False	Next certification date
6.	CREATIONTIME	Date/Time	8	False	Creation time
7.	CREATOR	Integer	2	False	Creator

CINV_ITEMATTACHMENTS

Item attachment details in Inventory Management.

Primary Keys

- ITEM_ID
- ATTACHMENT_TYPE
- ATTACHMENT_ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ITEM_ID	Integer	2	False	Item Identifier
2.	ATTACHMENT_TYPE	Text	100	False	Attachment Type
3.	ATTACHMENT_ID	Integer	2	False	Attachment Identifier
4.	ATTACHEDFILENAME	Text	1000	True	Attached File name
5.	COMMENTS	Text	255	True	Comments
6.	DELETEFLAG	Text	1	False	Start Date

CINV_ITEMMIXTUREINST

Instrument details related to item mixture.

Primary Keys

- ID
- ITEM MIXTURE MASTER_ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Item Identifier
2.	ITEM MIXTURE MASTER_ID	Integer	2	False	Item Mixture Master Identifier
3.	INSTRUMENTTYPE	Text	50	False	Instrument Type

CINV_ITEMMIXTUREMASTER

Item mixture master details in Inventory Management.

Primary Keys

- ID

- ITEM_ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Identifier
2.	MIXTUREITEM_ID	Integer	2	False	Mixture Item Identifier
3.	ITEM_ID	Integer	2	False	Item Identifier
4.	QUANTITY	Real		False	Quantity
5.	UNIT	Text	50	True	Unit
6.	DETAIL1	Text	4000	True	Detail 1
7.	DETAIL2	Text	4000	True	Detail 2

CINV_ITEMS

Item details in Inventory Management.

Primary Keys

- ITEM_ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ITEM_ID	Integer	2	False	Item Identifier
2.	ITEM_CODE	Text	24	False	Item Code
3.	ITEM_NAME	Text	100	False	Item Name
4.	ITEM_DESCRIPTION	Text	255	True	Item Description
5.	CASNUMBER	Text	20	True	CAS Number
6.	NEEDSCERTIFICATION	Bit	1	False	Needs Certification
7.	HASSHELF LIFE	Bit	1	False	Has Shelf Life
8.	SHELF LIFE	Real	32	True	Shelf Life
9.	SHELF LIFEUNIT	Text	50	True	Shelf Life Unit
10.	ITEM_TYPE	Text	50	False	Item Type
11.	STORAGEUNIT	Text	50	False	Storage Unit
12.	CONSUMPTIONUNIT	Text	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	Text	255	True	Warning Description
18.	PRECAUTIONDESCRIPTION	Text	255	True	Precaution Description
19.	MANUFACTURER	Text	100	False	Manufacturer
20.	CREATIONTIME	Date/Time	8	True	Creation Time
21.	CREATOR	Integer	2	False	Creator
22.	DELETEFLAG	Bit	1	False	Delete Flag
23.	COMMENTS	Text	255	True	Comments
24.	MSDS_ID	Text	24	True	MSDS Identifier
25.	MSDS_REVIEWEDDATE	Date/Time	8	True	MSDS Review Date
26.	MSDS_EXPIRYDATE	Date/Time	8	True	MSDS Expiry Date
27.	MSDS_LOCATION	Text	1000	True	MSDS Location
28.	MSDS_COMMENTS	Text	255	True	MSDS Comments
29.	EXPIRYALERTDAYS	Integer	2	True	Expiry Alert Days
30.	EXPIRYDAYS	Integer	2	True	Expiry Days
31.	ISMIXTURE	Bit	1	True	Is Mixture
32.	SINFOFRM	Text	24	True	SI Info Form
33.	LABELFORMATID	Integer	2	True	Label Format Identifier
34.	LABELPREFIX	Text	50	True	Label Prefix
35.	SOP	Text	4000	True	SOP

CINV_ITEMSSAFTEYINFORMATION

Safety information for items details in Inventory Management.

Primary Keys

- ID
- ITEM_ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Identifier
2.	ITEM_ID	Integer	2	False	Item Identifier
3.	TYPE	Text	15	False	Type
4.	NAME	Text	15	False	Name

5.	VALUE	Bit	1	False	Value
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CINV_ITEMSTOCK

Item stock details in Inventory Management.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Identifier
2.	ITEM_ID	Integer	24	False	Item Identifier
3.	SL_ID	Integer	100	False	Storage Location Identifier
4.	LOT_NO	Text	24	True	Lot Number
5.	BATCH_NO	Text	24	True	Batch Number
6.	CONTAINER_ID	Text	24	False	Container Identifier
7.	EXPIRYDATE	Date/Time	8	False	Expiry Date
8.	AVAILABLEQUANTITY	Real		True	Available Quantity
9.	QUARANTINEQUANTITY	Real		True	Quarantine Quantity
10.	TOTALQUANTITY	Real		False	Total Quantity
11.	CONSUMEDQUANTITY	Real		False	Consumed Quantity
12.	CONSUMPTIONUNIT	Real		False	Consumption Unit
13.	RECEIVEDQUANTITY	Real		False	Received Quantity
14.	RECONSIDEREDQUANTITY	Real		False	Reconsidered Quantity
15.	ALLOWABLESTOCK	Real		False	Allowable Stock
16.	CURRENT_STATE	Real		False	Current State
17.	ISQUARANTINED	Bit	1	True	Is Quarantined
18.	SCHEDULEDEXPIRYDATE	Date/Time	8	True	Scheduled Expiry date
19.	BARCODE	Text	50	False	Barcode
20.	PRICE	Real		True	Price
21.	QCSAMPLE	Text	10	False	QC Sample
22.	VERIFIEDBY	Text	20	False	Verified By
23.	VERIFIEDDATE	Date/Time	8	True	Verified Date
24.	SDS	Text	255	True	SDS
25.	EXT_CERT_ANALYSIS	Text	255	True	Ext Cert Analysis

26.	DELETEFLAG	Bit	1	True	Delete Flag
27.	PHYSICALRECONCILEVERIFIEDBY	Text	20	True	Physical Reconcile Verified By
28.	PHYSICALRECONCILEVERIFIEDDATE	Date/Time	8	True	Physical Reconcile Verified Date
29.	PREPARED_BY	Text	40	True	Prepared By
30.	SUPPLIERID	Integer	2	True	Supplier Id

CINV_ITEMSTOCKMIXTURE

Item stock mixture details in Inventory Management.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Identifier
2.	MIXTUREITEMSTOCKID	Integer	2	False	Mixture Item Stock Identifier
3.	ITEMSTOCKID	Integer	2	False	Item Stock Identifier
4.	QUANTITY	Real		False	Quantity
5.	UNIT	Text	50	True	Unit
6.	DETAIL1	Text	4000	True	Detail 1
7.	DETAIL2	Text	4000	True	Detail 2

CINV_ITEMSTOCKMIXTUREINST

Item stock mixture details in Inventory Management.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Identifier
2.	ITEMSTOCKMIXTUREID	Integer	2	False	Mixture Item Stock Identifier
3.	INSTCODE	Text	24	False	Item Stock Identifier

CINV_ITEMSUPPLIERS

Item supplier details in Inventory Management.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Identifier
2.	ITEM_ID	Integer	2	False	Item Identifier
3.	SUPPLIER_ID	Integer	2	False	Supplier Identifier
4.	DELETEFLAG	Bit	1	False	Delete Flag
5.	ISPREFERRED	Bit	1	False	Is Preferred

CINV_KITITEMS

Items related to kit details in Inventory Management.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Identifier
2.	KIT_ID	Integer	2	False	Kit Identifier
3.	ITEM_ID	Integer	2	False	Item Identifier
4.	CONSUMPTIONQUANTITY	Real		False	Consumption Quantity
5.	DELETEFLAG	Bit	1	False	Delete Flag

CINV_KITS

Kit details in Inventory Management.

Primary Keys

- KIT_ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	KIT_ID	Integer	2	False	Kit identifier
2.	KIT_CODE	Text	24	False	Kit code
3.	KIT_NAME	Text	50	False	Kit name

4.	KIT_DESCRIPTION	Text	255	True	Kit description
5.	DELETEFLAG	Bit	1	False	Delete flag
6.	CREATIONTIME	Date/Time	8	False	Creation time
7.	CREATOR	Integer	2	False	Creator

CINV_PICKLISTS

Pick list details in Inventory Management.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PLNAME	Text	2	False	Pick list name
2.	PLITEMNO	Integer	2	False	Pick list item number
3.	PLITEM	Text	50	False	Pick list item
4.	PLDESCR	Text	50	True	Pick list description
5.	HSEC	Integer	2	True	Security Handle

CINV_PURCHASEREQ

Purchase Requisition in Inventory Management.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Identifier
2.	PRNO	Text	20	False	Purchase Requisition Number
3.	REQUESTEDBY	Text	12	True	Requested By
4.	REQUESTDATE	Date/Time	8	True	Request Date
5.	SPECIALINSTRUCTIONS	Text	4000	True	Special Instructions
6.	EXPECTEDRECEIPTDATE	Date/Time	8	True	Expected Receipt Date
7.	ESTIMATEDCOST	Real		True	Estimated Cost
8.	CREATIONTIME	Date/Time	8	False	Creation Time

9.	CURRENT_STATE	Text	20	True	Current State
10.	ORDERNUMBER	Text	20	True	Order Number
11.	ORDERDATE	Date/Time	8	True	Order Date

CINV_PURCHASEREQDET

Purchase Requisition details in Inventory Management.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Identifier
2.	PURCHASEREQID	Integer	2	False	Purchase Requisition Identifier
3.	ITEM_ID	Integer	2	False	Item Identifier
4.	LOT_NO	Text	24	True	Lot Number
5.	RECEIVEDQUANTITY	Real		True	Received Quantity
6.	EXPECTEDQUANTITY	Real		True	Expected Quantity
7.	SUPPLIERID	Integer	2	True	Supplier Identifier
8.	STATUS	Text	20	True	Status
9.	CREATIONTIME	Date/Time	8	False	Creation Time

CINV_RECEIPTITEMPRICE

Receipt item price details in Inventory Management.

Primary Keys

- Transaction_ID
- Item_ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	TRANSACTION_ID	Integer	2	False	Transaction Identifier
2.	ITEM_ID	Integer	2	False	Item Identifier
3.	PRICE	Real		False	Price

CINV_SAMPLE

Sample details in Inventory Management.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Identifier
2.	SAMPLENO	Text	7	False	Sample Number
3.	ITEMSTOCKID	Integer	2	False	Item Stock Identifier
4.	SL_ID	Integer	2	False	Storage Location Identifier
5.	LOT_NO	Text	24	False	Lot Number
6.	ACODE	Text	24	False	Analysis Code
7.	KITID	Integer	2	False	Kit Identifier
8.	CREATETIME	Date/Time	8	False	Creation Time
9.	QUANTITY	Real		False	Quantity

CINV_STORAGELOCATIONS

Storage location details in Inventory Management.

Primary Keys

- SL_ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SL_ID	Integer	2	False	Storage Location Identifier
2.	SL_NAME	Text	7	False	Storage Location Name
3.	SL_FULLNAME	Text	24	False	Storage Location Full Name
4.	SL_DESCRIPTION	Text	24	False	Storage Location Description
5.	SL_PARENTID	Integer	2	False	Storage Location Parent Identifier
6.	CANCONSUME	Text	24	False	Can consume
7.	CREATIONTIME	Date/Time	8	False	Creation Time
8.	CREATOR	Text	24	False	Creator
9.	DELETEFLAG	Real		False	Delete Flag

CINV_SUPPLIERS

Supplier details in Inventory Management.

Primary Keys

- Supplier_ID

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

CINV_TESTCONFIG

Test Config in Inventory Management.

Primary Keys

- Config_ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	CONFIG_ID	Integer	2	False	Config Identifier
2.	ACODE	Text	24	False	Analysis Code
3.	CONFIG_CODE	Text	24	False	Configuration Code
4.	CREATIONTIME	Date/Time	8	False	Creation Time
5.	CREATOR	Integer	2	False	Creator

6.	DELETEFLAG	Bit	1	False	Delete Flag
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CINV_TESTCONFIGDETAILS

Test Config details in Inventory Management.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Config Identifier
2.	CONFIG_ID	Integer	24	False	Analysis Code
3.	KIT_ID	Integer	24	False	Configuration Code
4.	SL_ID	Integer	8	False	Creation Time
5.	DELETEFLAG	Bit	1	False	Delete Flag

CINV_TRANSACTION

Transaction details in Inventory Management.

Primary Keys

- Transaction_ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	TRANSACTION_ID	Integer	2	False	Transaction Identifier
2.	TRANSACTION_DATE	Date/Time	8	False	Transaction Date
3.	TRANSACTIONTYPE	Text	24	False	Transaction Type
4.	VOUCHERCODE	Text	24	False	Voucher Code
5.	ISSUINGAGENTID	Integer	2	False	Issuing Agent Identifier
6.	ISSUINGAGENTTYPE	Text	24	False	Issuing Agent Type
7.	RECEIVINGAGENTID	Integer	2	False	Receiving Agent Identifier
8.	RECEIVINGAGENTTYPE	Text	24	False	Receiving Agent Type
9.	NARRATION	Text	255	True	Narration
10.	CREATIONTIME	Date/Time	8	False	Creation Time
11.	CREATOR	Integer	2	False	Creator

CINV_TRANSACTIONITEMS

Items associated with transaction in Inventory Management.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Identifier
2.	TRANSACTION_ID	Integer	2	False	Transaction Identifier
3.	AGENTTYPE	Text	24	False	Agent Type
4.	AGENTID	Integer	2	False	Agent Identifier
5.	ITEMSTOCKID	Integer	2	False	Item Stock Identifier
6.	QUANTITY	Real		False	Quantity

CMDP_EXPORT_LOOKUP

Export Lookup details related to CMDP in Inventory Management.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer	2	False	Identifier
2.	CODE	Text	10	False	Code
3.	DESCRIPTION	Text	500	False	Description

COANLS

Analytes listing for defined Certificate of Analysis.

Primary Keys

- COANUMBER
- COAANALYTE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	COANUMBER	Long Integer	4	False	COA Number
2.	COAANALYTE	Text	40	False	Analyte Abbreviation
3.	ANLNUMB	Integer	2	True	Analyte Number (unique within a COA Number)

4.	COARESULT	Text	20	True	Result Status
5.	COAUNIT	Text	14	True	Unit
6.	COASPEC	Text	20	True	Specification
7.	SPECTYPE	Text	20	False	Specification Type
8.	VAL1	Text	14	True	Value 1
9.	VAL2	Text	14	True	Value 2
10.	INSPEC	Integer	2	True	
11.	ACODE	Text	24	True	Analysis Code
12.	ANALYTE	Text	40	True	Analyte Name
13.	METREF	Text	20	True	Method Reference
14.	hSec	Long Integer	4	True	Security Handle

COAHEAD

Listing of all COA reports generated and its details.

Primary Keys

- COANUMBER

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	COANUMBER	Long Integer	4	False	COA Number
2.	COADATE	Date/Time	8	True	COA generation Date
3.	COAUSER	Text	12	True	COA generated User
4.	CUSTBASE	Text	24	False	Customer Base
5.	SAMPNOS	Text	255	True	Sample ID
6.	PASSED	Integer	2	True	Passed Flag
7.	SCORE	Long Integer	4	True	Evaluation Score
8.	PRODESCR	Text	32	True	Product Description
9.	CUSTOMER	Text	26	True	Customer name
10.	PRODID	Text	16	True	Product ID
11.	CUSTADD1	Text	30	True	Customer Address 1
12.	CUSTADD2	Text	30	True	Customer Address 2
13.	CUSTADD3	Text	30	True	Customer Address 3
14.	CUSTADD4	Text	30	True	Customer Address 4
15.	CUSTADD5	Text	30	True	Customer Address 5

16.	ATTN1	Text	30	True	Attention Address 1
17.	ATTN2	Text	30	True	Attention Address 2
18.	ATTN3	Text	30	True	Attention Address 3
19.	ATTN4	Text	30	True	Attention Address 4
20.	ATTN5	Text	30	True	Attention Address 5
21.	RTPROMPT1	Text	30	True	Report Prompt 1
22.	RTVALUE1	Text	30	True	Report Value 1
23.	RTPROMPT2	Text	30	True	Report Prompt 2
24.	RTVALUE2	Text	30	True	Report Value 2
25.	RTPROMPT3	Text	30	True	Report Prompt 3
26.	RTVALUE3	Text	30	True	Report Value 3
27.	RTPROMPT4	Text	30	True	Report Prompt 4
28.	RTVALUE4	Text	30	True	Report Value 4
29.	RTPROMPT5	Text	30	True	Report Prompt 5
30.	RTVALUE5	Text	30	True	Report Value 5
31.	RTPROMPT6	Text	30	True	Report Prompt 6
32.	RTVALUE6	Text	30	True	Report Value 6
33.	RTPROMPT7	Text	30	True	Report Prompt 7
34.	RTVALUE7	Text	30	True	Report Value 7
35.	RTPROMPT8	Text	30	True	Report Prompt 8
36.	RTVALUE8	Text	30	True	Report Value 8
37.	APPROVEDBY	Text	30	True	COA Approved by (user)
38.	APPRVTITLE	Text	30	True	Approver Title
39.	OTHER1	Text	80	True	Comments 1
40.	OTHER2	Text	80	True	Comments 2
41.	OTHER3	Text	80	True	Comments 3
42.	hSec	Long Integer	4	True	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

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SAMPNO	Text	7	False	Sample ID
2.	ACODE	Text	24	False	Analysis Code / “_SAMPLE_” specification – for Sample
3.	COMMENTS	Memo	-	True	Comments
4.	hSec	Long Integer	4	True	Security Handle

COMPONENT

Primary Keys

- COMPONENT_ID

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

CONTAINER_ANALYSIS

Primary Keys

- CONT_NO
-

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	COMPONENT_ID	Text	50	False	Component Identifier
2.	OWNER	Text	50	True	Owner

CONTAINER_HEADER

Primary Keys

- CONT_NO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	CONT_NO	Long Integer	4	False	COA Number
2.	SAMPNO	Text	7	True	Sample Number
3.	PSSAMPLEID	Long Integer	4	True	PS Sample Identifier
4.	CONT_TYPE	Text	50	True	Container Type
5.	CONT_DESC	Text	60	True	Container Description
6.	CONT_PRESERVE	Text	50	True	Container Preserve
7.	CONT_ID	Text	50	True	Container Identifier
8.	CONT_KIT	Text	50	True	Container Kit
9.	CONT_VOLUME	Text	50	True	Container Volume
10.	CONT_LOCATION	Text	50	True	Container Location
11.	CONT_DISPOSAL	Text	50	True	Container Disposal
12.	CONT_DISPOSAL_DATE	Date/Time	8	True	Container Disposal Date
13.	CONT_DISPOSED	Integer	2	True	Container Disposed
14.	CONT_LOCKED	Integer	2	True	Container Locked
15.	CONT_LOCKED_USER	Text	50	True	Container Locked User
16.	CONT_LOT_NUM	Text	50	True	Container Lot Number
17.	CONT_MFG_SEQNUM	Text	50	True	Container Manufacturing Sequence Number
18.	MODDATE	Date/Time		True	ModDate

CONTAINER_HISTORY

Primary Keys

- CONT_KEY

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	CONT_KEY	Long Integer	4	False	Container Key
2.	SAMPNO	Text	7	True	Sample Number
3.	PSSAMPLEID	Long Integer	4	True	PS Sample Identifier
4.	CONT_NO	Long Integer	4	True	Container Number
5.	CONT_LOCATION	Text	50	True	Container Location

6.	CONT_RELEASED_BY	Text	50	True	Container Released By
7.	CONT_RECEIVED_BY	Text	50	True	Container Received By
8.	CONT_TRANSFER_DATE	Date/Time	8	True	Container Transfer Date
9.	CONT_TRANSFER_REASON	Text	50	True	Container Transfer Reason
10.	CONT_MOVE_SIGNATURE	Long Integer	4	True	Container Move Signature
11.	CONT_MOD_DATE	Date/Time	8	True	Container Modification Date
12.	CONT_MOD_USER	Text	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

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

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

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	LOCCODE	Text	24	False	Location Code
2.	COMMENTS	Memo	-	False	Comments
3.	hSec	Long Integer	4	True	Security Handle

DOCREference

Listing of Document References (for Reference Maintenance Program).

Primary Keys

- REFNAME
- REFTYPE
- CREATEDATE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	REFNAME	Text	20	False	Reference Name
2.	REFTYPE	Text	8	False	Reference Type (MAP, MSDS, SOP)
3.	CREATEDATE	Date/Time	8	False	Creation Date
4.	REFERENCE	Text	255	True	Reference File specification
5.	REFTITLE	Text	60	True	Reference Title
6.	REMARKS	Text	255	True	Remarks
7.	CREATEINIT	Text	12	False	User Initial
8.	CREATENAME	Text	50	True	User Name
9.	hSec	Long Integer	4	True	Security Handle

DV_NARATIVE_STATUS

DataViewer Narrative text status

Primary Keys

- S_OPERATOR

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	S_OPERATOR	Text	4000	False	Operator Name
2.	S_VALUE1	Real		False	Value 1
3.	S_VALUE2	Real		False	Value 2

4.	S_NAME	Text	50	False	Name
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DV_NARATIVE_VALUES

DataViewer Narrative text values

Primary Keys

- CODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	CODE	Text	10	False	Code
2.	VALUE	Text		True	Point value
3.	POINT	Integer		True	Point Index

ERDETAIL

Exception Report Details

Primary Keys

- ERNAME
- ITEMTYPE
- ITEMNUM

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ERNAME	Text	16	False	Exception Report Name
2.	ITEMTYPE	Text	8	False	Report Item Type
3.	ITEMNUM	Integer	2	False	Item Number (unique for each Report)
4.	ITEMVAL1	Text	80	True	Value 1
5.	ITEMVAL2	Text	80	True	Value 2
6.	hSec	Long Integer	4	True	Security Handle

ERHEADER

Exception Report Header details.

Primary Keys

- ERNAME

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

ERRORLOG

Recorded Errors

Primary Keys

- ErrorID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ErrorID	Integer		False	Error Index
2.	ErrorDescription	Text	2000	True	Description
3.	ErrorDateTime	DateTime		True	When error occurred
4.	ErrorApplication	Text	50	True	Application
5.	UserID	Text	50	True	User Index
6.	UserInitials	Text	50	True	User Initials
7.	SecurityLevel	Text	50	True	Security Level
8.	LogType	Text	50	True	Error Type
9.	ErrorClass	Text	4000	True	Error Class
10.	ErrorMethod	Text	4000	True	Error Method
11.	ErrorAssembly	Text	4000	True	Error Assembly
12.	AssemblyVersion	Text	4000	True	Version

13.	WorkStationID	Text	50	True	Workstation
14.	Detail1	Text	4000	True	Error Details
15.	Detail2	Text	4000	True	Error Details

EWORKSHEETDATA

EWorksheet data

Primary Keys

- ID

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

FileObjMgmt

Contains the list of file objects being managed.

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer		False	Index
2.	ObjectDesc	Text	255	True	Description
3.	ObjectFileSpec	Text	255	True	Location of file
4.	ObjectState	Text	255	True	Object State

5.	ObjectType	Text	255	True	Type
6.	ModUser	Text	12	True	Initials of User
7.	ModDate	DateTime	8	True	Modification Date
8.	FileObjectType	Text	50	True	File Type
9.	Current_State	Text	50	True	Object State
10.	ObjectVersion	Text	50	True	File Version
11.	FileChecksum	Text	255	True	Checksum of file
12.	SubFolder	Text	50	True	File Folder
13.	FOWNER	Text	24	True	Full Owner
14.	FREADOWNER	Text	24	True	Read Owner
15.	ReadOwner	Text	50	True	Read Owner
16.	FullOwner	Text	50	True	Full Owner

GroupHeader

Persisted Group Header

Primary Keys

- GRPID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	GRPID	Text	50	False	Group ID
2.	GRPTYPE	Text	24	False	Group Type
3.	TITLE	Text	128	False	Group Title
4.	CREATEDATE	DateTime	8	True	When Created
5.	CREATEDBY	Text	12	True	Who Created
6.	CURRENT_STATE	Text	40	True	Object State

7.	MODUSER	Text	12	True	Last Modified By
8.	MODDATE	DateTime	8	True	Last Modified

GroupMembers

Persited Group Members

Primary Keys

- GRPID
- MEMBTYPE
- MEMBID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	MEMBNUM	Integer		False	Member Index
2.	GRPID	Text	50	False	Group ID
3.	MEMBTYPE	Text	8	False	Member Type
4.	MEMBID	Text	50	False	Member ID

GroupParams

Persited Group Parameters

Primary Keys

- GRPID
- PARAMNUMB

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

GroupSIPrompts

Persited Group Special Info Prompts

Primary Keys

- GRPID
- PROMPTNO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	GRPID	Text	50	False	Group ID
2.	PROMPTNO	Integer		False	Prompt Index
3.	SIPROMPT	Text	50	False	Special Info Prompt
4.	SIFORM	Text	24	True	SI Form Name

Holidays

List of Holidays

Primary Keys

- HOLIDAY_DATE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	HOLIDAY_DATE	DateTime		False	Date
2.	Description	Text	50	False	Description

I18NApplications

Contains the list of applications that have been internationalized.

Primary Keys

- AppID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	AppID	Integer	2	False	Application code
2.	AppName	Text	50	False	Name of the application
3.	AppProjFile	Text	255	True	Application Project File Location
3.	Appdescription	Text	100	True	Description of the application

4.	hSec	Long Integer	4	True	Security Handle
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I18NSourceModules

Contains the list of modules that have been internationalized.

Primary Keys

- ModID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ModID	Integer	2	False	Module code
2.	ModSpec	Text	255	False	Path of the Module
3.	ModDescription	Text	80	True	Description of the Module
4.	hSec	Long Integer	4	True	Security Handle

I18NAppModules

Contains the list of modules that are used by an application.

Primary Keys

- AppID
- ModID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	AppID	Integer	2	False	Application code
2.	ModID	Integer	2	False	Module code
3.	hSec	Long Integer	4	True	Security Handle

I18NLanguages

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

Primary Keys

- AppID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	AppID	Integer	2	False	Application code

2.	LangName	Text	50	False	Name of the Language
3.	LandDescription	Text	80	True	Description of the language
4.	hSec	Long Integer	4	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

- ListName
- StrID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ListName	Text	16	False	
2.	StrID	Long Integer	4	False	String identification code
3.	hSec	Long Integer	4	True	Security Handle

I18NLocalStrings

Contains the list of the localized strings.

Primary Keys

- StrID
- LangID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	StrID	Long Integer	4	False	String identification code
2.	LangID	Integer	2	False	Language identification code
3.	LocalText	Text	255	True	Localized text for User interface
4.	hSec	Long Integer	4	True	Security Handle

I18NModStrings

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

Primary Keys

- ModID
- StrID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ModID	Integer	2	False	Module code
2.	StrID	Long Integer	4	False	String Identification Code
3.	hSec	Long Integer	4	True	Security Handle

I18NStrings

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

Primary Keys

- StrID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	StrID	Long Integer	4	False	String Identification Code
2.	StrContext	Text	120	True	User Interface context for string
3.	hSec	Long Integer	4	True	Security Handle

IMCINSTCALI

Instrument Calibration details.

Primary Keys

- INSTCODE
- CALIDATE
- SAMPNO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INSTCODE	Text	24	False	Instrument Code
2.	CALIDATE	Date/Time	8	False	Calibration date

3.	CALIUSER	Text	25	True	Calibration User
4.	SAMPNO	Text	7	False	Sample ID
5.	WORKDONE	Memo	-	True	
6.	COMPLETED	Integer	2	True	Completed option flag
7.	hSec	Long Integer	4	True	Security Handle
8.	CALIB_EMAIL_WARN_DATETIME	Date/Time	8	True	Calibration Email Warning DateTime

IMCINSTMAINT

Instrument Maintenance Details.

Primary Keys

- INSTCODE
- MAINTDATE
- TYPEOFWORK

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INSTCODE	Text	24	False	Instrument Code
2.	MAINTDATE	Date/Time	8	False	
3.	INSTDESC	Memo	-	True	
4.	DONEBY	Text	25	True	
5.	TYPEOFWORK	Text	50	False	
6.	PONUMBER	Text	35	True	PO Number
7.	COST	Double	8	True	
8.	DOWNTIME	Double	8	True	
9.	DOWNFROM	Date/Time	8	True	
10.	DOWNTOW	Date/Time	8	True	
11.	COMPLETED	Integer	2	True	
12.	SCHEDULEDATE	Date/Time	8	True	
13.	hSec	Long Integer	4	True	Security Handle
14.	MAINT_EMAIL_WARN_DATETIME	Date/Time	8	True	Maintenance Email Warning DateTime

IMCPROCS

Instrument Procedure Details.

Primary Keys

- INSTCODE
- PROCTYPE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INSTCODE	Text	24	False	Instrument Code
2.	PROCTYPE	Text	6	False	Procedure Type
3.	PROCTEXT	Memo	-	True	Procedure Text
4.	hSec	Long Integer	4	True	Security Handle

INSTLIST

Instruments Listing.

Primary Keys

- INSTCODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INSTCODE	Text	24	False	Instrument Code
2.	INSTNAME	Text	100	True	Procedure Type
3.	INSTSTATUS	Integer	2	True	Procedure Text
4.	MANUFACTOR	Text	40	True	Manufacturer Name
5.	INSTALLED	Date/Time	8	True	Installed Date
6.	SERIAL_NO	Text	40	True	Serial Number
7.	HSec	Long Integer	4	True	Security Handle
8.	INSTLOCATION	Text	24	True	Location/Room
9.	INST_PROGRAM	Text	255	True	Program associated with instrument
10.	INSTTYPE	Text	50	True	Type associated with instrument
11.	SOFTWARE_VERSION	Text	50	True	Software Version
12.	USE_SCHUMAKER	Bit	1	True	

INSTTESTS

Analysis Listing for Instruments.

Primary Keys

- INSTCODE
- ACODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INSTCODE	Text	24	False	Instrument Code
2.	ACODE	Text	24	False	Analysis Code
3.	EXPDATE	Date/Time	8	True	Analysis Expiration Date
4.	hSec	Long Integer	4	True	Security Handle

INVCOMMENTS

Table listing Invoice Comments.

Primary Keys

- INVNO
- ACODE
- CMTLINE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INVNO	Long Integer	4	False	Instrument Code
2.	ACODE	Text	24	False	Analysis Code
3.	CMTLINE	Integer	2	False	Comment Line number
4.	CMTTEXT	Text	80	True	Comment
5.	hSec	Long Integer	4	True	Security Handle

INVDDETAIL

Generated Invoice Details.

Primary Keys

- INVNO
- DETNUM

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INVNO	Long Integer	4	False	Invoice Number

2.	DETNUM	Integer	2	False	Invoice Details Line number
3.	DETTYPE	Text	8	False	Detail Type (TAX, DISCOUNT, ANALYSIS etc)
4.	DESCRIPTION	Text	40	True	Description
5.	QUANTITY	Integer	2	False	Quantity
6.	UNITPRICE	Single	4	True	Unit Price
7.	TOTALPRICE	Single	4	True	Total Price
8.	hSec	Long Integer	4	False	Security Handle

INVHEAD

Listing of Invoices generated in LABWORKS.

Primary Keys

- INVNO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INVNO	Long Integer	4	False	Invoice Number
2.	INVDAT	Date/Time	8	True	Invoice Date
3.	INVUSER	Text	12	True	Invoice generated User
4.	PRICETYPE	Text	8	True	Price Type
5.	INVAPP	Text	50	True	
6.	SAMPNOS	Text	255	True	Sample ID
7.	INVADD1	Text	40	True	Invoice Address 1
8.	INVADD2	Text	40	True	Invoice Address 2
9.	INVADD3	Text	40	True	Invoice Address 3
10.	INVADD4	Text	40	True	Invoice Address 4
11.	INVADD5	Text	40	True	Invoice Address 5
12.	INVNAME	Text	24	True	Invoice Name
13.	BILLRATE	Single	4	True	Bill Rate
14.	PRICELIST	Text	24	True	Price List
15.	PONUMBER	Text	24	True	PO Number
16.	PROJECT	Text	24	True	Project Name
17.	SSTATUS	Text	1	False	Sample status
18.	LOCCODE	Text	24	True	Location Code
19.	LOCDESCR	Text	60	True	Location Description
20.	LOGBATCH	Text	24	True	Log batch Name

21.	LOGUSER	Text	12	True	Log User
22.	SUBDATE	Date/Time	8	True	Submitted Date
23.	SAMPCOL	Text	24	True	
24.	COLDATE	Date/Time	8	True	Collection Date
25.	RDUEDATE	Date/Time	8	True	
26.	DUEDATE	Date/Time	8	True	Due Date
27.	REPNAME	Text	24	True	Report Name
28.	REPDAT	Date/Time	8	True	Report Date
29.	REPADD1	Text	40	True	Report Address 1
30.	REPADD2	Text	40	True	Report Address 2
31.	REPADD3	Text	40	True	Report Address 3
32.	REPADD4	Text	40	True	Report Address 4
33.	REPADD5	Text	40	True	Report Address 5
34.	VALDATE	Date/Time	8	True	Validation Date
35.	VALUSER	Text	12	True	Validation User
36.	EXPDATE	Date/Time	8	True	Expiration Date
37.	MODDATE	Date/Time	8	True	Last Modified Date
38.	MODUSER	Text	12	True	Last Modified User
39.	hSec	Long Integer	4	True	Security Handle

INVSPECINFO

Special Info field values associated with Invoice.

Primary Keys

- INVNO
- ACODE
- SIFLDNUM

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INVNO	Long Integer	4	False	Invoice Number
2.	ACODE	Text	24	False	Analysis Code
3.	SIFLDNUM	Integer	2	False	Special Info (SI) Field Number
4.	FLDTITLE	Text	80	True	SI Field Title
5.	FLDVALUE	Text	60	True	SI Field Value

6.	hSec	Long Integer	4	True	Security Handle
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INVUSRFLDS

User Field Values associated with Invoice.

Primary Keys

- INVNO
- UFLDNUM

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	INVNO	Long Integer	4	False	Invoice Number
2.	UFLDNUM	Integer	2	False	User Field Number
3.	UFVALUE	Text	40	True	User Field Value
4.	hSec	Long Integer	4	True	Security Handle

IPP_ACTION

Action Definitions of Industrial Pretreatment.

Primary Keys

- ACTIONNUM

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	LOCCODE	Text	24	False	Location Code
2.	ACTIONCODE	Text	20	False	Action Code
3.	INITDATE	Date/Time	8	True	Initiation Date
4.	DUE DATE	Date/Time	8	True	Action Completion Due Date
5.	CLOSEDATE	Date/Time	8	True	Close Date
6.	INITBY	Text	50	False	Initialized by
7.	CLOSEBY	Text	50	True	Close by
8.	ACTIONNUM	Long Integer	4	False	Action Number
9.	NOTES	Memo	-	True	Notes
10.	CREATEDATE	Date/Time	8	True	Creation Date
11.	CREATEUSER	Text	12	True	Created User
12.	MODDATE	Date/Time	8	True	Last Modified Date

13.	MODUSER	Text	12	True	Last Modified User
14.	hSec	Long Integer	4	True	Security Handle

IPP_PERMIT

Permit definitions of Industrial Pretreatment Program.

Primary Keys

- PERMITNO

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

IPP2LWANLS

Industrial Pretreatment Program (IPP) to LABWORKS Analyte Reference

Primary Keys

- IANALYTE
- ACODE
- ANALYTE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	IANALYTE	Text	40	False	Analysis Name
2.	ACODE	Text	24	False	Analysis Code
3.	ANALYTE	Text	40	False	Analysis Name
4.	CONVFACT	Single	4	False	Conversion factor
5.	RANK	Integer	2	True	Rank
6.	ANLNUMB	Integer	2	True	Analysis Number
7.	MODDATE	Date/Time	8	True	Last Modified Date
8.	MODUSER	Text	12	True	Last Modified User
9.	hSec	Long Integer	4	True	Security Handle

IPPLIMITS

Site IPP limits of Industrial Pretreatment Program.

Primary Keys

- LOCCODE
- IANALYTE
- LIMITTYPE
- EFFDATE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	LOCCODE	Text	24	False	Location Code
2.	IANALYTE	Text	40	False	Analyte Name
3.	IUNIT	Text	16	False	
4.	LIMITTYPE	Text	16	False	Limit Type
5.	VALUE	Text	16	True	Value
6.	EFFDATE	Date/Time	8	True	Effective Date
7.	EXPDATE	Date/Time	8		Expiration Date

8.	VERSION	Long Integer	4		Version
9.	MODDATE	Date/Time	8	True	Last Modified Date
10.	MODUSER	Text	12	True	Last Modified User
11.	hSec	Long Integer	4	True	Security Handle

IPPMUNI

Municipality listing of Industrial Pretreatment Program.

Primary Keys

- MUNICODE

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

IPPSAMPREQ

Site Sample Frequencies of Industrial Pretreatment Program

Primary Keys

- LOCCODE

- IANALYTE
- EFFDATE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	LOCCODE	Text	24	False	Location Code
2.	IANALYTE	Text	40	False	Analyte Name
3.	EFFDATE	Date/Time	8	False	Effective date
4.	EXPDATE	Date/Time	8	True	Expiration Date
5.	POTWFREQ	Integer	2	False	POTW Frequency
6.	POTWTIMEUNIT	Text	1	False	POTW Interval
7.	SELFFREQ	Integer	2	True	Self Frequency
8.	SELFTIMEUNIT	Text	1	False	Self Interval
9.	MODDATE	Date/Time	8	True	Last Modified Date
10.	MODUSER	Text	12	True	Last Modified User
11.	hSec	Long Integer	4	True	Security Handle

IPPSTATUS

Site Compliance status of Industrial Pretreatment Program.

Primary Keys

- LOCCODE
- STARTDATE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	LOCCODE	Text	24	False	Location Code
2.	STARTDATE	Date/Time	8	False	Start Date
3.	STATUS	Text	3	False	Status
4.	CALCDATE	Date/Time	8	True	Calculation Date
5.	CALCUSER	Text	12	True	Calculation User
6.	hSec	Long Integer	4	True	Security Handle

IPPVIOLS

Site Violation Details of Industrial Pretreatment Program

Primary Keys

- LOCCODE

- VIOLTYPE
- VIOLDATE
- IANALYTE

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

LabObjComments

Comments

Primary Keys

- OBJID
- OBJTYPE
- COMMENTNUMB

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	OBJID	Text	100	False	Object ID
2.	OBJTYPE	Text	40	False	Type
3.	COMMENTNUMB	Integer		False	Index
4.	COMMENTTEXT	nText		True	Comment
5.	MODDATE	DateTime		False	Last Modified
6.	MODUSER	Text	12	False	Last Modified By
7.	hSec	Integer		False	Security Reference

LabObjMailList

Comments

Primary Keys

- OBJID
- OBJTYPE
- OBJNUMB
- MLREFERENCE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	OBJID	Text	50	False	Object ID
2.	OBJTYPE	Text	40	False	Type
3.	MLREFERENCE	Text	24	False	Reference to Parent
4.	OBJNUMB	Integer		False	Index
5.	DOCTYPE	Text	24	False	Document Type
6.	ADDTYPE	Text	24	False	Address Type
7.	[PRIMARY]	Integer		False	Is Primary?
8 – X	User defined fields				
	MODUSER	Text	12	False	Last Modified By
	MODDATE	DateTime		False	Last Modified
	hSec	Integer		False	Security Reference

LabObjObjects

Comments

Primary Keys

- OBJID
- OBJTYPE
- OBJNUMB

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
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1.	OBJID	Text	50	False	Object ID
2.	OBJTYPE	Text	40	False	Type
3.	OBJNUMB	Integer		False	Index
4.	OBJDESCR	Text	255	True	Description
5.	OBJSPEC	Text	255	True	File Specification
6.	MODDATE	DateTime		False	Last Modified
7.	MODUSER	Text	12	False	Last Modified By
8.	OBJDATA	Long raw		True	Object Data
9.	hSec	Integer		False	Security Reference

LabObjSpecInfo

Comments

Primary Keys

- OBJID
- OBJTYPE
- SIFLDNAME
- FORMNO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	OBJID	Text	50	False	Object ID
2.	OBJTYPE	Text	40	False	Type
3.	SIFLDNAME	Text	80	False	Field Name
4.	FORMNO	Integer		False	Form Index
5.	SIFORMNAME	Text	24	False	Form Name
6.	FIELDNUM	Integer		False	Field Number
7.	FLDVALUE	Text	60	True	Field Value
8.	FLDPROMPT	Text	80	True	Field Prompt

9.	MODDATE	DateTime		False	Last Modified
10.	MODUSER	Text	12	False	Last Modified By

LOCLIST

Location Code Listing

Primary Keys

- LOCCODE

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

22.	DCOPY	Integer	2	True	Disk Copy Final Report option flag
23.	REPCOPIES	Integer	2	True	Number of Report Copies
24.	BILLRATE	Single	4	True	Percentage List Price
25.	CHOLDMINS	Long Integer	4	True	Analysis Hold Minutes
26.	RHOLDMINS	Long Integer	4	True	Result Hold Minutes
27.	DUEOPT	Text	1	True	Due Date Base Option for Due Date calculation
28.	COMTMASK	Text	24	True	Comment Mask
29.	MODDATE	Date/Time	8	True	Last Modification Date
30.	MODUSER	Text	12	True	Last Modified User
31.	hSec	Long Integer	4	True	Security Handle
32.	CURRENT_STATE	Text	50	True	Object State
33.	LREADOWNER	Text	24	True	Location ReadOwner
34.	LSAMPOWNER	Text	24	True	Created Sample Owner
35.	LATITUDE	Decimal	10,7	True	Latitude
36.	LONGITUDE	Decimal	10,7	True	Longitude
37.	ADDRESS	varchar	255	True	Address

LOCTESTS

Analysis List associated with Location Code

Primary Keys

- LOCCODE
- ACODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	LOCCODE	Text	24	False	Location Code
2.	ACODE	Text	24	False	Analysis Code
3.	CHOLDMINS	Long Integer	4	True	Analysis Hold Minutes
4.	RHOLDMINS	Long Integer	4	True	Result Hold Minutes
5.	LTESTNUM	Integer	2	True	Number of Tests for Location

6.	hSec	Long Integer	4	True	Security Handle
7.	NOOFREPLICATES	Integer	2	True	Number of replicates
8.	REPLICATEMETHOD	Text	20	True	Replicate method. Content of the field can be null or one of the following: MIN, MAX, AVERAGE
9.	REPSELECTION	Text	15	True	Replicate selection on. Content of the field can be null or one of the following: ALL_REPLICATES, MDL_RANGE
10.	AREF	Text	50	True	Analysis Reference method

LWObjects

Object Type Properties

Primary Keys

- Object_Name

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	Object_Name	Text	50	False	Name
2.	Object_Description	Text	50	True	Description
3.	Is_Audit_Trail_Required	Integer		False	Audit Trailed?
4.	Is_Audit_From_Null_Transaction	Integer		False	Audit Creation
5.	DialogType	Text	50	True	Type of Audit Prompt
6.	ObjectTableName	Text	50	True	Primary Table
7.	Display_Audit_Reason	Integer	2	False	Display audit prompt to user to enter reason ?

MESSAGEQUEUE

This table is used by Labworks applications to send messages within Labworks. It is used to alert other applications of tasks that need to be done.

Primary Keys

- MsgNumber

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	MsgNumber	Long Integer	4	False	
2.	MsgType	Text	25	False	Send Confirm/Send Results

3.	Detail1	Text	40	True	for email app, confirm#
4.	Detail2	Text	40	True	for email app, confirm+batch+increment
5.	Detail3	Text	40	True	
6.	DispositionState	Text	25	True	Complete/Partial Complete
7.	DispositionTime	Date/Time	8	True	date/time last report sent out
8.	MsgLocked	Integer	2	True	Flag if record locked, -1 = locked, 0 = unlocked
9.	MsgLockTime	Date/Time	8	True	Empty if not locked
10.	CreateDate	Date/Time	8	False	Date / time message created
11.	CreateUserID	Text	12	True	
12.	ModDate	Date/Time	8	True	Date / time of last message modification
13.	ModUserID	Text	12	True	
14.	hSec	Long Integer	4	True	Security Handle

MLADDRESSES

This table stores preconfigured groups of client information records called client (or mail list) references.

Primary Keys

- MLREFERENCE
- MLRNUM

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	MLREFERENCE	Text	24	False	Mail list reference
2.	MLRNUM	Integer	2	False	Mail list row ordinal for reference
3.	DOCTYPE	Text	24	False	Mail list document type (FinalReport / Invoice / All)
4.	ADDRTYPE	Text	24	True	Mail list address type (Postal / Email / Fax / All)
5.	PRIMARY	Integer	2	True	Address is primary for its doc type and addr type (0=false else=true)
6.	ADDRESSEE	Text	50	True	Name of addressee

7.	STREET1	Text	50	True	First street address line
8.	STREET2	Text	50	True	Second street address line
9.	CITY	Text	50	True	City
10.	STATE	Text	50	True	State or province
11.	POST_CODE	Text	20	True	Postal code (zip)
12.	COUNTRY	Text	50	True	Country
13.	PHONE_NUM	Text	30	True	Phone number
14.	FAX_NUM	Text	30	True	Fax number
15.	EMAIL_ADDR	Text	50	True	Email address
16.	CONTACT	Text	50	True	Name of contact
17.	CONTACT_PHONE	Text	30	True	Phone number for contact
18.	CONTACT_EMAIL	Text	50	True	Contact email address
19.	MODUSER	Text	12	True	Row modified by
20.	MODDATE	Date/Time	8	True	Row modified on
21.	hSec	Long Integer	4	True	Security Handle

MORDETAIL

Monthly Operations Report Definition Details

Primary Keys

- MORCODE
- MORSHEETNAME
- MORCELL

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	MORCODE	Text	16	False	Monthly Operations Report Code
2.	MORLOCCODE	Text	24	True	MOR Location Code
3.	MORACODE	Text	24	True	MOR Analysis Code
4.	MORANALYTE	Text	40	True	MOR Analyte Initials
5.	CALC_TYPE	Text	5	True	Defines type of MOR – Monthly, Daily, Annual by week, Annual by Month
6.	MORCELL	Text	12	False	MOR Cell
7.	MORSHEETNAME	Text	31	False	MOR Sheet name

8.	hSec	Long Integer	4	True	Security Handle
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MORHEADER

Monthly Operations Report (MOR) Definitions **Primary Keys**

- MORCODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	MORCODE	Text	16	False	Monthly Operations Report Code
2.	MORDESC	Text	50	True	MOR Description
3.	MOREXCELFILENAME	Text	40	True	MOR Excel File Name
4.	MORDATE	Text	10	True	Full date for MOR
5.	MORMONTH	Text	10	True	MOR Month Specification
6.	MORDAY	Text	10	True	Day of the month (number)
7.	MORYEAR	Text	10	True	MOR Year Specification
8.	MORTYPE	Text	10	True	MOR Type
9.	MORROWLIMITS	Integer	2	True	Switch that changes the report format – on produces one sample per row
10.	hSec	Long Integer	4	True	Security Handle
11.	WSMARCO	Text	50	True	

NTRLTS

Narrative Text Results

Primary Keys

- SAMPNO
- ACODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SAMPNO	Text	7	False	Sample Number
2.	ACODE	Text	24	False	Analysis Code
3.	NTRESULT	Memo	-	True	Narrative Text Result
4.	hSec	Long Integer	4	True	Security Handle

5.	RESULTCHECKSUM	Text	40	True	Checksum
6.	CHECKSUMVERSION	Integer		False	Checksum Version
7.	AREF	Text	50	True	Result method reference

NTTEXT

Default Text Result Description for Narrative Tests.

Primary Keys

- ACODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ACODE	Text	24	False	Analysis Code
2.	NTRESULT	Memo	-	True	Narrative Text Result
3.	hSec	Long Integer	4	True	Security Handle

OGROUPS

Owner Group Details

Primary Keys

- SAMPNO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	GROUPNAME	Text	24	False	Owner Group Name
2.	GROUPDESCR	Text	40	True	Owner Group Description
3.	ACTIVE	Yes/No	1	True	Has Active Properties flag option
4.	MODDATE	Date/Time	8	True	Last Modified Date
5.	MODUSER	Text	12	True	Last Modified User
6.	hSec	Long Integer	4	True	Security Handle

OGRPMEMBS

Owner Group Members Listing Information

Primary Keys

- GROUPNAME
- LASTNAME
- FIRSTNAME

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	GROUPNAME	Text	24	False	Owner Group Name
2.	LASTNAME	Text	20	False	Owner Group member's last name
3.	FIRSTNAME	Text	20	False	Group member's first name
4.	TITLE	Text	8	True	Group Title
5.	INITIALS	Text	12	False	Group member's Initial
6.	PASSWORD	Text	12	False	Group member's Password
7.	LEADER	Yes/No	1	True	Group Leader Option
8.	MODDATE	Date/Time	8	True	Last Modified date
9.	MODUSER	Text	12	True	Last Modified User
10.	Hsec	Long Integer	4	True	Security Handle

OGRPPERMIT

Owner Group's Permit Group Details

Primary Keys

- GROUPNAME
- PERMITGROUP

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	GROUPNAME	Text	24	False	Owner Group Name
2.	PERMITGROUP	Text	24	False	Trusted Group or Permitted groups to access Group owned samples
3.	hSec	Long Integer	4	True	Security Handle

OLDPRIVS

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

- OLDPRIV

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	OLDPRIV	Text	2	False	Previous or Old privileges
2.	NEWPRIV	Text	16	False	New Privileges set for Individual
3.	OLDDDESCR	Text	50	True	Holds Old Privileged Description
4.	hSec	Long Integer	4	True	Security Handle

PASSHISTORY

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

Primary Keys

- UNUMBER

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	UNUMBER	Long Integer	4	False	User ID
2.	OLDPASSWORD	Text	11	False	Old Password
3.	LOCKOUT	Integer	2	True	Password Lockout option flag
4.	MODDATE	Date/Time	8	True	Last Modified Date
5.	hSec	Long Integer	4	True	Security Handle

PICKLISTS

Pick List Maintenance table.

Primary Keys

- PLNAME
- PLITEMNO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PLNAME	Text	20	False	Pick List Name
2.	PLITEMNO	Integer	2	False	Pick List Item Number
3.	PLITEM	Text	50	False	Pick List Item Name
4.	PLDESCR	Text	50	True	Pick List Item Description

5.	hSec	Long Integer	4	True	Security Handle
6.	MODDATE	Date/Time		True	ModDate

PRIVS

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

Primary Keys

- URVALUE

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

PSAUDIT

Audit Trail details for Process Scheduler.

Primary Keys

- AUDITID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	AUDITID	Long Integer	4	NA	Audit Trail ID
2.	PSSAMPLEID	Long Integer	4	True	Process Scheduler Sample ID
3.	PSAUDITITEM	Text	50	True	Process Scheduler Audit Item
4.	PSAUDITTIME	Date/Time	8	True	Process Scheduler Audit Time
5.	PSMACHINEID	Text	60	True	Process Scheduler Machine ID
6.	PSUSER	Text	24	True	Process Scheduler User
7.	hSec	Long Integer	4	True	Security Handle

PSCONTAINER

Audit Trail details for Process Scheduler.

Primary Keys

- PSSAMPLEID
- PSCONTAINERINDEX

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PSSAMPLEID	Integer	2	False	Process Scheduler Sample Identifier
2.	PSCONTAINERINDEX	Integer	2	False	Process Scheduler Container Index
3.	PSCONTAINERNLABELS	Integer	2	False	Process Scheduler Container Labels
4.	PSCONTAINERDESC	Text	20	True	Process Scheduler Container Description
5.	PSCONTAINERANALYSES	Text	4096	True	Process Scheduler Container Analysis
6.	PSCONTAINERCOMMENT	Text	30	True	Process Scheduler Container Comment
7.	hSec	Integer	2	False	Security Handle

PSCONTAINER_PRELOG

Table is used to schedule samples from the Process Scheduler module.

Primary Keys

- PSID
- PSTIME
- PSLOCCODE
- PSINTERVALTYPE
- PSCONTAINERINDEX

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PSID	Text	20	False	
2.	PSTIME	Date/Time	8	False	
3.	PSLOCCODE	Text	24	False	
4.	PSINTERVALTYPE	Text	10	False	
5.	PSCONTAINERINDEX	Long Integer	4	False	
6.	PSCONTAINERLABELS	Long Integer	4	True	
7.	PSCONTAINERDESC	Text	20	True	

8.	PSCONTAINERANALYSES	Text	4000	True	
9.	PSCONTAINERCOMMENT	Text	30	True	
10.	hSec	Long Integer	4	True	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

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PSLPRIORITY	Long Integer	4	False	Process Scheduler Priority ID
2.	PSPRIORITYABREV	Text	10	True	Process Scheduler Priority Abbreviation
3.	PSPRIORITYDESCR	Text	50	True	Process Scheduler Priority Description
4.	hSec	Long Integer	4	True	Security Handle

PSSCHEDULE

Scheduled Samples for Process Scheduler.

Primary Keys

- PSSAMPLEID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PSSAMPLEID	Long Integer	4	False	Scheduler Sample ID
2.	PSSAMPNO	Text	7	True	LABWORKS Sample ID
3.	PSPRIORITY	Long Integer	4	True	Scheduler Priority
4.	PSOWNER	Text	20	True	Scheduler Owner
5.	PSLOCCODE	Text	24	False	Location code
6.	PSLOCDESCR	Text	60	True	Location Description
7.	PSLOCOWNER	Text	24	True	Location Owner
8.	PSNUMBEROFLABELS	Integer	2	True	Number of Labels

9.	PSSTATUS	Text	20	True	Sample Status
10.	PSREQTIME	Date/Time	8	True	Request Time
11.	PSCOLOKTIME	Date/Time	8	True	Collection OK Time
12.	PSCOLTIME	Date/Time	8	True	Collection Time
13.	PSSUBTIME	Date/Time	8	True	Submittal Time
14.	PSANLDONETIME	Date/Time	8	True	Analysis done time
15.	PSLABRELEASETIME	Date/Time	8	True	
16.	PSPRODUCTOKTIME	Date/Time	8	True	Production OK Time
17.	PSPARENTID	Text	10	True	xxx
18.	PSPAUSED	Integer	2	True	Paused option flag
19.	PSANALYSES	Text	4000	True	Analyses list
20.	PSANALYSES2	Text	255	True	
21.	PSCOMMENT	Text	255	True	Comments
22.	PSSPARETIME	Date/Time	8	True	
23.	PSCUSTOMER	Text	50	True	Customer
24.	PSSHIPTIME	Date/Time	8	True	Ship Time
25.	PSDISABLED	Integer	2	True	Scheduler Disable Option flag
26.	PSOKTOCOLLECT	Integer	2	True	Ok to Collect Status Option
27.	PSUSER1	Text	50	True	
28.	PSUSER2	Text	50	True	
29.	PSUSER3	Text	50	True	
30.	PSUSER4	Text	50	True	
	PSUSER5-20	Text	50	True	
31.	PSUSERNUMBER1	Single	4	True	
32.	PSUSERNUMBER2	Single	4	True	
33.	PSPRELOGBATCH	Text	30	True	Login Batch
34.	PSORIGINALTIME	Date/Time	8	True	Original schedule time for sample
35.	hSec	Long Integer	4	True	Security Handle

PSHELPPFILE

Help File for Process Scheduler.

Primary Keys

- PSSAMPLEID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PSSHFLFLIFEID	Integer	2	False	Process Scheduler Help File Identifier
2.	PSSAMPLEID	Integer	2	True	Process Scheduler Sample Identifier
3.	PSSAMPNO	Text	7	True	Process Scheduler Sample Number
4.	PSID	Text	50	True	Process Scheduler Identifier
5.	PSSHFLFLIFE_OFFSET	Real		False	Process Scheduler Help File Offset
6.	PSANALYSES	Text	4096	True	Process Scheduler Analysis
7.	PSCOMMENT	Text	50	True	Process Scheduler Comment
8.	PSMASTERTEMPLATE	Integer	2	True	Process Scheduler Master Template
9.	PSMASTERID	Integer	2	True	Process Scheduler Master Identifier

PSTIMEHEAD

Timed Sample detailed information for Process Scheduler.

Primary Keys

- PSTIMEHEADID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PSTIMEHEADID	Long Integer	4	False	Auto key for table
2.	PSID	Text	20	False	Process Scheduler Group ID
3.	PSTIME	Date/Time	8	False	Schedule Time
4.	PSLOCCODE	Text	24	False	Location Code
5.	PSINTERVALTYPE	Text	10	False	Time Interval
6.	PSLOCDESCR	Text	60	True	Location Description
7.	PSLOCOWNER	Text	24	True	Location Owner
8.	PSNUMBEROFLABELS	Integer	2	True	Number of Labels
9.	PSPRIORITY	Long Integer	4	True	Schedule Priority
10.	PSOWNER	Text	20	True	Schedule Owner
11.	PSCOMMENT	Text	255	True	Comments
12.	PSANALYSES	Text	4000	True	Scheduler command

13.	PSANALYSES2	Text	255	True	Scheduler command parameters
14.	PSEVENT	Integer	2	True	Scheduler Event
15.	PSCUSTOMER	Text	50	True	Customer
16.	PSOKTOCOLLECT	Long Integer	4	True	OK to collect
17.	PSUSER1	Text	50	True	
18.	PSUSER2	Text	50	True	
19.	PSUSER3	Text	50	True	
20.	PSUSER4	Text	50	True	
	PSUSER5-20	Text	50	True	
21.	PSUSERNUMBER1	Single	4	True	
22.	PSUSERNUMBER2	Single	4	True	
23.	PSPRELOGBATCH	Text	30	True	
24.	hSec	Long Integer	4	True	Security Handle
24.	PSACTIVEFROM	Date/Time	8	True	
25.	PSACTIVETO	Date/Time	8	True	
26.	PSPRELOGINGRPNAME	Text	50	True	

PSTIMEMAIN

Timed Samples listing in Process Scheduler.

Primary Keys

- PSID
- PSTIME
- PSINTERVALTYPE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PSID	Text	20	False	Process Scheduler Group ID
2.	PSTIME	Date/Time	8	False	Schedule Time
3.	PSINTERVAL	Text	10	True	Interval
4.	PSINTERVALTYPE	Text	10	False	Interval Type
5.	PSSTARTTIME	Date/Time	8	True	Schedule Start Time
6.	PSENDTIME	Date/Time	8	True	Schedule End Time
7.	PSEENABLED	Integer	2	True	Schedule Enable Option
8.	hSec	Long Integer	4	True	Security Handle

PTExperience

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

Primary Keys

- Initials
- Lab
- StartDate

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	Initials	Text	50	False	Analyst Initials
2.	Lab	Text	40	False	Laboratory name
3.	StartDate	Date/Time	8	False	Training Start Date
4.	EndDate	Date/Time	8	True	Training End Date
5.	Position	Text	30	True	Position of the Analyst
6.	Experience	Text	255	True	Experience in years
7.	hSec	Long Integer	4	True	Security Handle

PTLicense

License details of each Personal Training Analyst of LABWORKS.

Primary Keys

- Initials
- License
- Granted

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	Initials	Text	50	False	Analyst Initials
2.	License	Text	40	False	License
3.	Granted	Date/Time	8	False	License Grant Date
4.	Expire	Date/Time	8	True	License Expiration Date
5.	LicenseNo	Text	30	True	License Number
6.	hSec	Long Integer	4	True	Security Handle

PTSchools

Defined Schools in Personal Training module of LABWORKS.

Primary Keys

- SchoolType

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SchoolType	Text	25	False	School Type
2.	SchoolDesc	Text	40	True	School Description
3.	hSec	Long Integer	4	True	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

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	Initials	Text	50	False	Analyst Initials
2.	SchoolType	Text	25	False	School Type
3.	DateAttended	Date/Time	8	False	Attended Date
4.	DateEnded	Date/Time	8	True	End Date
5.	SchoolName	Text	40	True	School Name
6.	hSec	Long Integer	4	True	Security Handle

Qualifiers

Qualifiers

Primary Keys

- equationname

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

ReasonMaster

AuditTrail Reasons

Primary Keys

- ReasonID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ReasonID	Integer		False	Reason Index
2.	ReasonDesc	Text	255	True	Description
3.	UseTimeStamp	Date/Time		True	Last Used
4.	ReasonOrder	Integer		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

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SAMPNO	Text	7	False	Sample ID
2.	ACODE	Text	24	False	Analysis Code
3.	ANALYTE	Text	40	False	Analyte Name
4.	GRAPHCONFIG	Text		True	Replicate configuration in xml format
5.	CREATED_BY	Text	12	True	Created user
6.	CREATED_DATE	Date/Time		True	Creation date
7.	MODUSER	Text	12	True	Last modified user
8.	MODDATE	Date/Time		True	Last modified date
9.	HSEC	Integer		True	Security Handle

RESULT

This is the main results table. It stores results and violation information. For single component tests, the Analysis Name (not code) and ANALYTE field are the same. For multi-component tests, the ACODE and ANALYTE fields contain their described values.

Primary Keys

- SAMPNO
- ACODE
- ANALYTE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SAMPNO	Text	7	False	Sample ID
2.	ACODE	Text	24	False	Analysis Code
3.	ANALYTE	Text	40	False	Analyte Name
4.	RESULT	Text	14	True	Result 1
5.	RESULT2	Text	14	True	Result 2
6.	QUALIFY	Text	6	True	
7.	MDL	Text	8	True	Minimum Detection Limit
8.	VIOLTYPE	Integer	2	True	Violation Type
9.	VIOLVALUE	Text	14	True	Violation Value
10.	VIOLDATE	Date/Time	8	True	Violation Date
11.	VIOLUSER	Text	12	True	Violation User
12.	RLTNUM	Integer	2	True	Result Number
13.	RMODDATE	Date/Time	8	True	Result Modified Date
14.	RMODUSER	Text	12	True	Result Modified User
15.	DILFACTOR	Single	4	True	Dilution Factor
16.	RAWRESULT	Text	14	True	Raw Result
17.	STARTDATE	Date/Time	8	True	Start Date
18.	ENDDATE	Date/Time	8	True	End Date
19.	ANALYST	Text	12	True	Analyst
20.	hSec	Long Integer	4	True	Security Handle
21.	PQL	Text	16	True	PQL
22.	RAWMDL	Text	16	True	Untreated MDL
23.	RAWPQL	Text	16	True	Untreated PQL
24.	RLTUNIT	Text	16	True	Units for Result
25.	RLTSOURCE	Text	255	True	Soure of result

26.	RESULTPART	Text	8	False	Type of Result
27.	REPLNUM	Integer		False	Replicate Number
28.	RESULTCHECKSUM	Text	40	True	CheckSum
29.	CHECKSUMVERSION	Integer		False	CheckSum Version
30.	AREF	Text	50	True	Result method reference

RESULTSPECS

Specifications for Results

Primary Keys

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

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	OBJECTTYPE	Text	12	False	Type
2.	OBJECTID	Text	24	False	Identifier
3.	SPECNAME	Text	24	False	Type of Spec
4.	ANALYSISCODE	Text	24	False	Analysis Code
5.	ANALYTENAME	Text	40	False	Analyte Name
6.	RESULTPART	Text	12	False	Result Part
7.	NUMVALUE1	Text	14	True	Spec Value 1
8.	NUMVALUE2	Text	14	True	Spec Value 2
9.	TEXTVALUE	Text	1024	True	Text Value
10	hSec	Integer		False	Security Handle

RLDEFANL

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

Primary Keys

- RLGROUP
- ACODE
- ANALYTE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	RLGROUP	Text	16	False	Report Limiting Group Name
2.	ACODE	Text	24	False	Analysis Code
3.	ANALYTE	Text	40	False	Analyte
4.	REPLIMIT	Single	4	False	Report Limit
5.	LTRLRESULT	Text	14	True	
6.	LTRLQUAL	Text	6	True	
7.	GTRLQUAL	Text	6	True	
8.	LTMDLRESULT	Text	14	True	
9.	LTMDLQUAL	Text	6	True	
10.	ANLNUM	Integer	2	True	Analyte Number
11.	hSec	Long Integer	4	True	Security Handle

RLDEFHED

Reporting Limit Project Analyte Management Group listing.

Primary Keys

- RLGROUP

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	RLGROUP	Text	16	False	Report Limiting Group Name
2.	RLDESCR	Text	40	True	Report Limiting Group Description
3.	MODDATE	Date/Time	8	True	Last Modified Date
4.	MODUSER	Text	12	True	Last Modified User
5.	hSec	Long Integer	4	True	Security Handle

RLSMPANL

Reporting Limit Sample Analyte details for Project Analyte Management Module.

Primary Keys

- SAMPNO
- ACODE
- ANALYTE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SAMPNO	Text	7	False	Sample ID
2.	ACODE	Text	24	False	Analysis Code
3.	ANALYTE	Text	40	False	Analyte
4.	REPLIMIT	Single	4	False	Reporting Limit
5.	LTRLRESULT	Text	14	True	
6.	LTRLQUAL	Text	6	True	
7.	GTRLQUAL	Text	6	True	
8.	LTMDLRESULT	Text	14	True	
9.	LTMDLQUAL	Text	6	True	
10.	ANLNUM	Integer	2	True	Analyte Number
11.	DILFACTOR	Single	4	True	Dilution Factor
12.	hSec	Long Integer	4	True	Security Handle

RLSMPHED

Reporting Limit Sample Header details for Project Analyte Management Module.

Primary Keys

- SAMPNO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SAMPNO	Text	7	False	Sample ID
2.	RLGROUP	Text	16	False	Reporting Limit Group Name
3.	RLDESCR	Text	40	True	Reporting Limit Group Description
4.	MODDATE	Date/Time	8	True	Last Modified Date

5.	MODUSER	Text	12	True	Last Modified User
6.	hSec	Long Integer	4		Security Handle

RLTSPECS

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

Primary Keys

- LOCCODE
- ACODE
- ANLNAME

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

SAMPLE

The SAMPLE table stores data about logged in samples. As a sample is logged in, a unique SampleID is generated and stored in the SAMPNO field. The LOCCODE information is copied into the SAMPLE table with the ability to modify the LOCLIST table during the login process.

Primary Keys

- SAMPNO

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SAMPNO	Text	7	False	Sample ID
2.	OWNER	Text	24	True	Sample Owner

3.	SSTATUS	Text	1	False	Sample Status
4.	LOCCODE	Text	24	True	Sample Point Code
5.	LOCDESCR	Text	60	True	Sample Point Description
6.	LOGBATCH	Text	24	True	Login Batch Name
7.	LOGUSER	Text	12	True	Login User
8.	SUBDATE	Date/Time	8	True	Sample Submission Date
9.	SAMPCOL	Text	24	True	Sample Collector
10.	COLDATE	Date/Time	8	True	Sample Collection Date
11.	RDUEDATE	Date/Time	8	True	Due Date
12.	DUEDATE	Date/Time	8	True	Sample Due Date
13.	DOVAL	Integer	2	True	Do Validation Option Value
14.	VALUSER	Text	12	True	Sample Validator
15.	VALDATE	Date/Time	8	True	Sample Validation Date
16.	REPNAME	Text	24	True	Report Name
17.	REPCOPIES	Integer	2	True	Report Copies
18.	DCOPY	Integer	2	True	Do Disk Copy Option Value
19.	REPDATE	Date/Time	8	True	Report Date
20.	REPADD1	Text	40	True	Report Address Line 1
21.	REPADD2	Text	40	True	Report Address Line 2
22.	REPADD3	Text	40	True	Report Address Line 3
23.	REPADD4	Text	40	True	Report Address Line 4
24.	REPADD5	Text	40	True	Report Address Line 5
25.	DOINV	Integer	2	True	Do Invoicing Option Value
26.	INVNAME	Text	24	True	Invoice Name
27.	BILLRATE	Single	4	True	Percentage of List price used for calculating charges
28.	PRICELIST	Text	24	True	Price List Name
29.	INVDATE	Date/Time	8	True	Invoice Date
30.	INVNO	Long Integer	4	True	Invoice Number
31.	INVADD1	Text	40	True	Invoice Address Line 1
32.	INVADD2	Text	40	True	Invoice Address Line 2
33.	INVADD3	Text	40	True	Invoice Address Line 3
34.	INVADD4	Text	40	True	Invoice Address Line 4
35.	INVADD5	Text	40	True	Invoice Address Line 5
36.	PONUMBER	Text	24	True	Purchase Order Number

37.	PROJECT	Text	24	True	Project Code
38.	DOSPEC	Integer	2	True	Do Specification Check Option Value
39.	COMTMASK	Text	24	True	
40.	EXPDATE	Date/Time	8	True	Expiration Date
41.	MODDATE	Date/Time	8	True	Last Modified Date
42.	MODUSER	Text	12	True	Last Modified User
43.	hSec	Long Integer	4	True	Security Handle
44.	CURRENT_STATE	Text	50	True	Future Use
45.	SREADOWNER	Text	24	True	Sample Read Owner
46.	LATITUDEREAL	DECIMAL	(10,7)	True	LATITUDEREAL
47.	LONGITUDEREAL	DECIMAL	(10,7)	True	LONGITUDEREAL
48.	LATITUDEEXPECTED	DECIMAL	(10,7)	True	LATITUDEEXPECTED
49.	LONGITUDEEXPECTED	DECIMAL	(10,7)	True	LONGITUDEEXPECTED
50.	COLDUE DATE	Date/Time		True	Collection Due Date
51.	ADDRESS	VARCHAR	255	True	Address
52.	ADDRESSREAL	VARCHAR	255	True	Real Address

SampleLoginGroup

Prelogin Group Information

Primary Keys

- GROUPNAME

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	GroupName	Text	50	False	Name
2.	GroupDescription	Text	50	True	Description
3.	GroupType	Text	50	True	Type
4.	GroupXML	Text		True	XML Data
5.	MODDATE	DateTime		False	Last Modified
6.	MODUSER	Text	50	True	Last Modified By
7.	hSec	Long Integer		False	Security Handle
8.	TotalSamples	Integer		True	Numbe of Samples

SAMPRELOGINGRP

Prelogin Group Information

Primary Keys

- PRELOG
- GROUPNAME

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PreLogGroupName	Text	50	False	Name
2.	PreLogGroupXML	Text		True	XML Data
3.	MODDATE	DateTime		False	Last Modified
4.	MODUSER	Text	50	True	Last Modified By
5.	hSec	Long Integer	4	False	Security Handle
6.	DESCRIPTION	Text	2000	True	Group description
7.	STATUS	Text	20	True	Group status
8.	PRELOGGROUPLD	Long Integer	4	False	Pre Login Group ID
9.	PreLogGroupCategory	Text	50	True	Pre Login Group Category

SAMPRELOGINGRP_HISTORY

Prelogin Group History Information

Primary Keys

- PreLogGroupHisotryID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PreLogGroupHisotryID	Decimal		False	Pre Login Group History Identifier
2.	PreLogGroupID	Decimal		False	Pre Login Group Identifier
3.	PreLogGroupName	Text	50	False	Pre Login Group Name
4.	PreLogGroupXML	Text		True	Pre Login Group XML
5.	MODDATE	Date/Time	8	False	Modification Date
6.	MODUSER	Text	50	True	Modified By User
7.	hSec	Integer	2	False	Security Handle
8.	DESCRIPTION	Text	2000	True	Description
9.	STATUS	Text	4	True	Status

SAMPMAILLIST

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

Primary Keys

- SAMPNO
- MLRNUM

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

SECURITYLIC

Security License table tracking down each machine ID.

Primary Keys

- hLic

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	hLic	Long Integer	4	False	Security License Number
2.	MACHINE_ID	Text	40	False	Machine ID
3.	USERID	Text	40	False	User ID
4.	LIC_TYPE	Text	16	False	License Type
5.	RENEW_DATE	Date/Time	8	False	License Renewal Date

SECURITYLOG

Session tracking details of LABWORKS. **Primary Keys**

- hSecLog

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

SESSIONPROCESSES

Session process details of LABWORKS.

Primary Keys

- WorkstationID

- ApplicationName

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	WorkstationID	Text	50	False	WorkStation Identifier
2.	ApplicationName	Text	50	False	Application Name
3.	ProcessName	Text	50	True	Process Name
4.	IsLoggedIn	Integer	2	True	Is Loggedin
5.	ProcessStartTime	Date/Time	8	True	Process start time

SESSIONS

Session details of LABWORKS.

Primary Keys

- WorkstationID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	WorkstationID	Text	50	False	WorkStation Identifier
2.	SessionType	Text	50	False	Session Type
3.	OpenDateTime	Date/Time	8	True	Open Date Time
4.	ActivityNotifyDateTime	Date/Time	8	True	Activity Notify Date
5.	UserId	Integer	2	True	Uder Identifier

SFRANGES

Ranges for rounding

Primary Keys

- ACODE
- ANLNAME

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	Text	24	False	Analysis Code
2	ANLNAME	Text	40	False	Analyte Name
3	MRL	Real		False	Method Reporting Limit
4	XVAL	Text	24	False	Replacement Value
5.	RANGES	Text		True	XML Range Data

SGTESTS

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

Primary Keys

- ACODE
- SGACODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	Text	24	False	Analysis Code
2	SGACODE	Text	24	False	Study Group Test Code
3	SGANUM	Integer	2	True	Study Group Test Number
4	hSec	Long Integer	4	True	Security Handle

SIADFLT

The Special Analysis Info Default (SIADFLT) 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

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1	ACODE	Text	24	False	Analysis Code
2	SIFLDNUM	Integer	2	False	Special Information Field ID
3	FLDTITLE	Text	80	True	Default Field Name
4	FLDVALUE	Text	60	True	Default Field Value
5	MODDATE	Date/Time	8	True	Last Modified Date
6	MODUSER	Text	12	True	Last Modified User
7	hSec	Long Integer	4	True	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

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	LOCCODE	Text	24	False	Location Code
2.	SIFLDNUM	Integer	2	False	Special Information Field ID
3.	FLDTITLE	Text	80	True	Default Field Name
4.	FLDVALUE	Text	60	True	Default Field Value
5.	MODDATE	Date/Time	8	True	Last Modified Date
6.	MODUSER	Text	12	True	Last Modified User
7.	hSec	Long Integer	4	True	Security Handle

SIFORMDEF

Special Info Fields definition for each form.

Primary Keys

- SINFOFRM
- SIFLDNAME

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SINFOFRM	Text	24	False	Special Information Form Name
2.	FIELDNUM	Integer	2	False	Field ID
3.	FLDPROMPT	Text	80	True	Field Prompt
4.	FLDTYPE	Text	2	False	Field Type
5.	FLDMAXCHARS	Integer	2	False	Maximum Characters for Field
6.	FLDTOP	Long Integer	4	False	Top Coordinate for the Field
7.	FLDLEFT	Long Integer	4	True	Left Coordinate for the Field
8.	FLDFONTSIZE (CHARACTERS)	Integer	2	True	Field Font Size
9.	FLDFONTPROPS	Integer	2	True	Font Properties
10.	FLDFONTCOLOR	Long Integer	4	True	Field Font Color
11.	FLDREQUIRED	Integer	2	True	Field Mandatory Flag
12.	FLDFONTNAME	Text	65	True	Field Font Name
13.	CTLLENGTH	Long Integer	4	True	Field length
14.	FLDOTHER	Text	20	True	Other value associated with a field (ex: a picture file)
15.	TABORDER	Integer	2	True	Tab Order for the Field

16.	hSec	Long Integer	4	True	Security Handle
17.	SIFLDNAME	Text	85	False	FieldName

SIFORMS

Special Info forms definition. (Moved to SIFormDef)

Primary Keys

- SINFORM
- FIELDNUM

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SINFORM	Text	24	False	Special Information Form Name
2.	FIELDNUM	Integer	2	False	Field ID
3.	FLDTITLE	Text	80	True	Field Name
4.	FLDTYPE	Integer	2	False	Field Type
5.	FLDWIDTH	Integer	2	False	Field Width
6.	SCRNLINE	Integer	2	False	Top coordinate of control
7.	SCRNCOL	Integer	2	True	Left coordinate of control
8.	hSec	Long Integer	4	True	Security Handle

SPECIALPRICELIST

Special Pricing.

Primary Keys

- PRICELIST_NAME
- ACODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	PRICELIST_NAME	Text	24	False	PriceList
2.	ACODE	Text	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

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

SPECMASTER

Specification Definition.

Primary Keys

- SPECNAME
- VIOLTYPE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	SPECNAME	Text	24	False	Specification Name
2.	SPECTYPE	Text	12	False	Type
3.	UIDESCRIPTION	Text	40	False	Description
4.	PRIORITY	Integer		False	Evaluation Priority
5.	SEVERITY	Text	1	False	Compatilibty Severity
6.	VIOLTYPE	Integer		False	Index

State_Location

State Location.

Primary Keys

- Object_Name
- State

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	Object_Name	Text	50	False	Object Name
2.	State	Text	50	False	State
3.	XLocation	Integer	2	True	X Location
4.	YLocation	Integer	2	True	Y Location

StateMaster

State Definitions.

Primary Keys

- STATENAME
- OBJECTTYPE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	StateName	Text	40	False	Name
2.	StateType	Text	50	True	Type
3.	StateDescr	Text	80	True	Description
4.	ObjectType	Text	50	False	Object Type
5.	Active	Integer		True	Is Active

StateTransitions

State Definitions.

Primary Keys

- OBJECTTYPE
- STARTSTATE
- ENDSTATE
- TRANSMODE
- AUTOPRIORITY

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ObjectType	Text	50	False	Type

2.	StartState	Text	50	False	Start
3.	EndState	Text	80	False	End
4.	TransMode	Text	50	False	Transition Type
5.	AutoPriority	Integer		False	Priority for AutoTransistions
6.	AutoRules	Text	255	True	Method for evaluation
7.	ManualPrivs	Text	255	True	Privs Required
8.	ManualESignDialog	Text	255	True	Auth Dialog
9.	NotifyType	Text	50	True	Notify
10.	NotifyTarget	Text	255	True	Notify Target
11.	Comments	Text	255	True	Comments
12.	ActionCode	Text	50	True	Action
13.	ActionLabel	Text	50	True	Decriptive Label
14.	TempRowOrder	Integer		True	Index

STDRLTS

Standard Results Listing.

Primary Keys

- RLTABBR

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	RLTABBR	Text	4	False	Result Abbreviation
2.	RLTTEXT	Text	14	False	Result Text
3.	RLTLONG	Text	40	True	Result Value (Long)
4.	hSec	Long Integer	4	True	Security Handle

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.

SYSMGR

System Manager Parameter listing and their values (settings).

Primary Keys

- SYSMGROPT

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

TPHEADER

Trend Plot Group Definition.

Primary Keys

- TGRPNAME

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

TPPLOT

Trend Plot Definition.

Primary Keys

- TGRPNAME

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	TGRPNAME	Text	20	False	Trend Plot Group Name
2.	LOCCODE	Text	24	True	Location Code

3.	ACODE	Text	24	False	Analysis Code
4.	ANALYTE	Text	40	True	Analyte Name
5.	COLOR	Long Integer	4	True	Color Code for the Lines
6.	YMAX	Text	14	True	Maximum on Y-Axis
7.	YMIN	Text	14	True	Minimum on Y-Axis
8.	YGRID	Text	10	True	Y-Axis Increment Value
9.	XLABELOPT	Text	4	True	X-Axis Label Option Code
10.	XSORTOPT	Text	4	True	X-Axis Sort Option Code
11.	POINTS	Integer	2	True	Number of points to be Plotted
12.	SHOWUSPC	Integer	2	True	Option to Display Upper Specification Limit
13.	SHOWUWAR	Integer	2	True	Option to Display Upper Warning Limit
14.	SHOWTARG	Integer	2	True	Option to Display Target Value
15.	SHOWLWAR	Integer	2	True	Option to Display Lower Warning Limit
16.	SHOWLSPC	Integer	2	True	Option to Display Lower Specification Limit
17.	PLOTNUM	Integer	2	False	Plot Number
18.	hSec	Long Integer	4	True	Security Handle
19.	YLABELOPT	Text	4	True	Y-Axis Label Option Code

RESOURCE

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

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	UNUMBER	Long Integer	4	False	User ID
2.	URTYPE	Text	8	False	User Resource Type
3.	URVALUE	Text	24	False	User Resource Value
4.	UMODDATE	Date/Time	8	True	Last Modified Date

5.	hSec	Long Integer	4	True	Security Handle
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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.

USERHEAD

LABWORKS User Table.

Primary Keys

- UNUMBER

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	UNUMBER	Long Integer	4	False	User ID
2.	LASTNAME	Text	20	False	User Last Name
3.	FIRSTNAME	Text	20	True	User First Name
4.	TITLE	Text	8	True	User Title
5.	INITIALS	Text	12	True	User Initials
6.	PASSWORD	Text	11	False	User Password
7.	MODDATE	Date/Time	8	True	Last Modified Date
8.	hSec	Long Integer	4	True	Security Handle
9.	UGROUP	Text	24	True	Grouping
10.	EMAIL_ADDRESS	Text	80	True	Email
11.	CURRENT_STATE	Text	50	True	Active/Suspended
12.	USER_SITE	Text	50	False	License Site
13.	USER_CLASS	Integer		False	User License Type
14.	ENCRYPT_PWD	Text	40	False	Hash of Password
15.	LDAPUSERID	Text	256	True	LDAP User Identidier

VIOLREORDER

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

Primary Keys

- ACODE
- ANLNAME
- ANUM

- LOCCODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ACODE	Text	24	False	Analysis Code
2.	ANLNAME	Text	40	False	Analyte Name
3.	ANUM	Integer		False	Analysis Index
4.	LOCCODE	Text	24	False	Location Code
5.	DUEOPT	Text	1	True	Type
6.	COMPLETE	Text	24	True	Acode to assign on completion
7.	VIOLCODE	Text	24	True	Acode to assign on violation
8.	TARGETCODE	Text	24	True	Acode to assign on target violation
9.	LSPECCODE	Text	24	True	Acode to assign on Ispec violation
10.	LWARNCODE	Text	24	True	Acode to assign on lwarn violation
11.	UWARNCODE	Text	24	True	Acode to assign on uwarn violation
12.	USPECCODE	Text	24	True	Acode to assign on uspec violation
13.	RECALCCODE	Text	24	True	Code to use as base for new calculation

VIOLREORDERMASTER

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

Primary Keys

- ID

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	ID	Integer		False	Unique ID
2.	ANALYSISRULENAME	Text	50	False	Name of the analysis rule
3.	ACODE	Text	24	False	Analysis Code
4.	ANLNAME	Text	40	False	Analyte Name

5.	LOCCODE	Text	40	False	Location Code
6.	ANLDUEOPT	Text	1	False	Analysis due date calculation options

VIOLREORDERDETAILS

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

Primary Keys

- ID
- VIOLID

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

WORKINGDAYTIME

Day of work working times

Primary Keys

- DAY

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

XLALCHEAD

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

Primary Keys

- XLALCCODE

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	XLALCCODE	Text	16	False	Excel Calculation Code
2.	XLALCDESC	Text	40	True	Excel Calculation Description
3.	XLSNAME	Text	8	False	Excel Workbook (.XLS) file
4.	WSNAME	Text	16	True	Excel Worksheet Name
5.	MODUSER	Text	12	True	Last Modified Date
6.	MODDATE	Date/Time	8	True	Last Modified User
7.	hSec	Long Integer	4	True	Security Handle
8.	WSMACRO	Text	50	True	Excel Worksheet Macro name

XLPARAMS

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

Primary Keys

- XLALCCODE
- PARAMNUM

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	XLALCCODE	Text	16	False	Excel Calculation Code
2.	PARAMNUM	Integer	2	False	Parameter ID
3.	PARAMTYPE	Integer	2	True	Parameter Type
4.	ACODE	Text	24	False	Analysis Code
5.	ANALYTE	Text	40	True	Analyte Name
6.	AITEM	Text	4	True	Analysis Item
7.	WCELL	Text	6	True	Cell Address
8.	hSec	Long Integer	4	True	Security Handle

CIM_CollectionGroups

Collection Groups

Primary Keys

- Id

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	Id	bigint		False	Id
2.	Name	nvarchar	255	False	Name
3.	Description	nvarchar	1024	True	Description
4.	OwnerId	int		True	OwnerId
5.	Report	nvarchar	255	True	Report
6.	CreatedOn	datetime		False	CreatedOn
7.	CreatedBy	int		True	CreatedBy
8.	UpdatedOn	datetime		True	UpdatedOn
9.	UpdatedBy	int		True	UpdatedBy
10.	IsReviewed	smallint		False	IsReviewed flag
11.	LogBatch	varchar	24	True	LogBatch

CIM_CollectionGroupSamples

Collection Group Samples

Primary Keys

- CollectionGroupId
- SampNo

S.No	Name	Type	Size (Characters)	Allow Null (True/False)	Description
1.	CollectionGroupId	bigint		False	Id
2.	SampNo	varchar	7	False	SampNo
3.	SampOrder	int		False	SampOrder
5.	Report	nvarchar	255	True	Report
6.	CreatedOn	datetime		False	CreatedOn
7.	CreatedBy	int		True	CreatedBy
8.	UpdatedOn	datetime		True	UpdatedOn
9.	UpdatedBy	int		True	UpdatedBy
10.	SignUser	int		True	SignUser

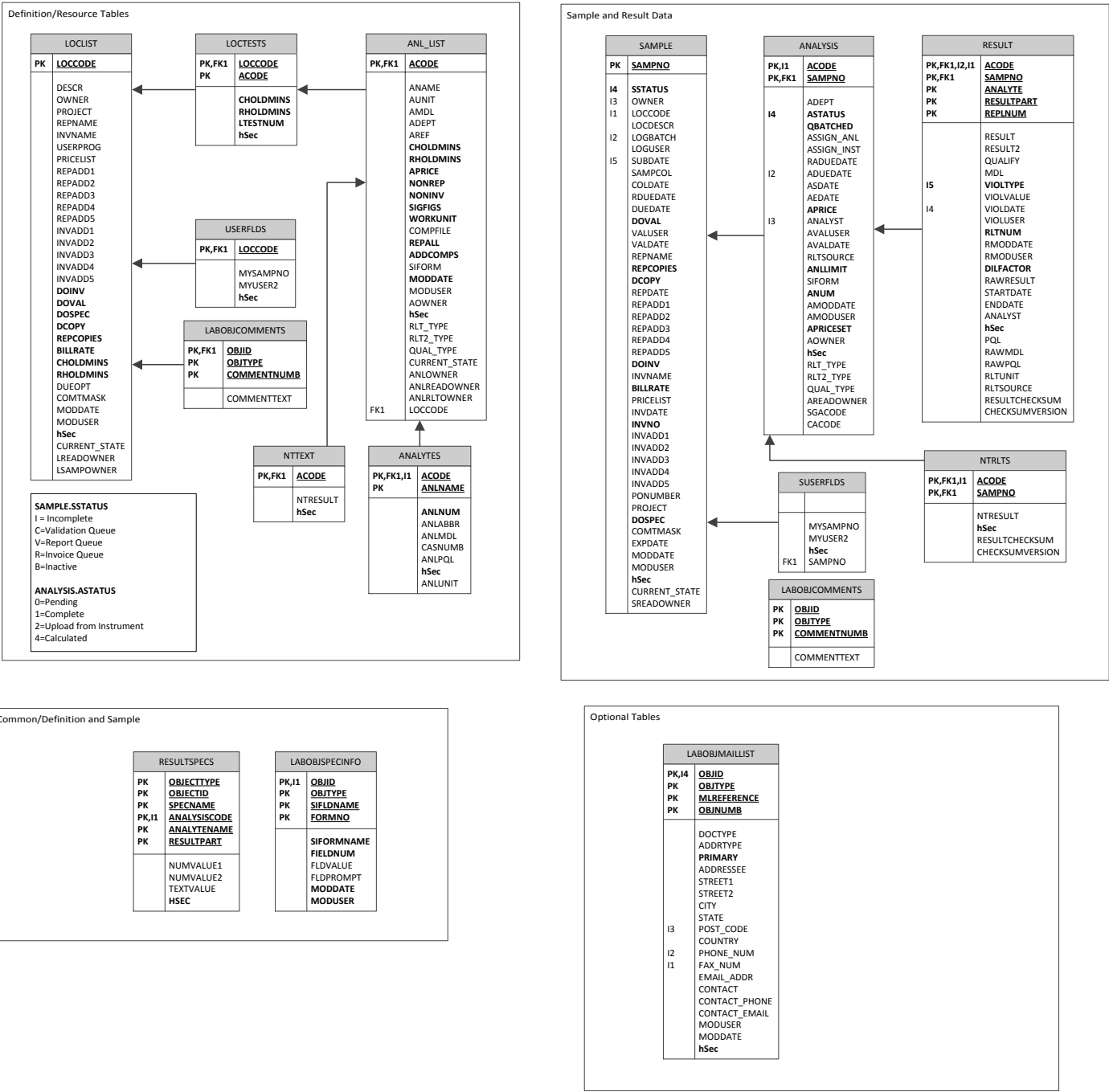
11.	SignReason	nvarchar	1024	True	SignReason
12.	CollectionStatus	int		False	CollectionStatus
13.	SignDate	datetime		True	SignDate

Appendix: LABWORKS 6.6 Entry Relationship Diagrams

Location Code / Analysis Definition and Sample Data

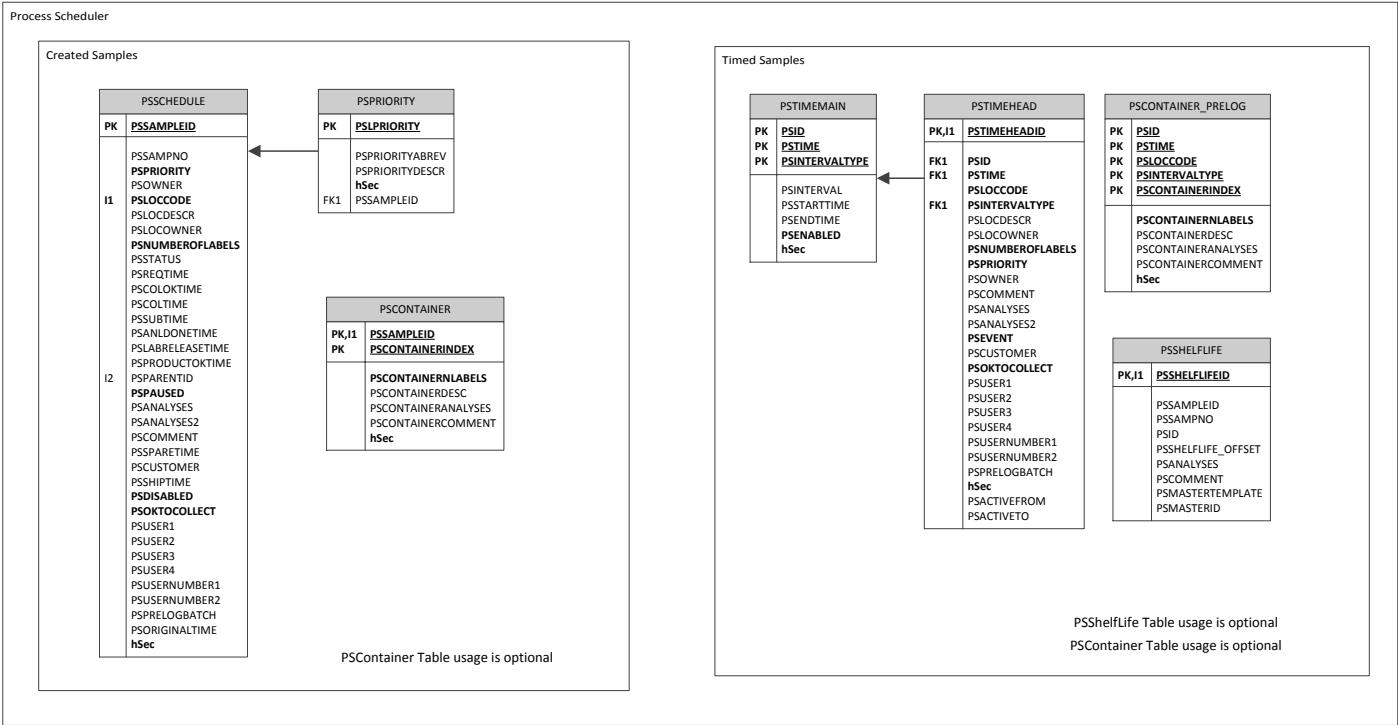
LABWORKS 6.6 Entity Relationship Diagram

Location Code/Analysis Definition and Sample Data



Process Scheduler

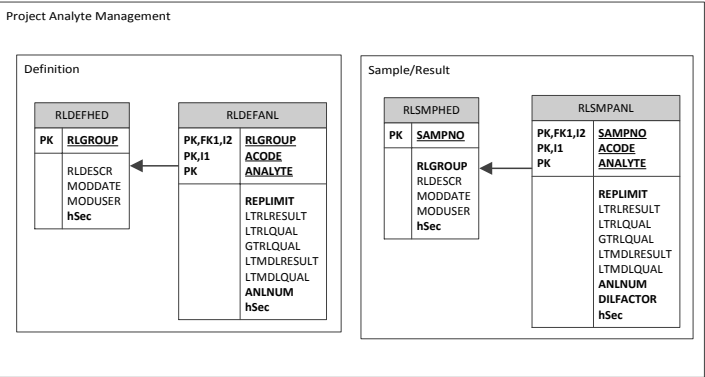
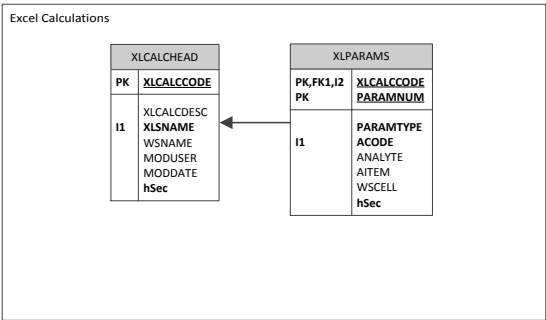
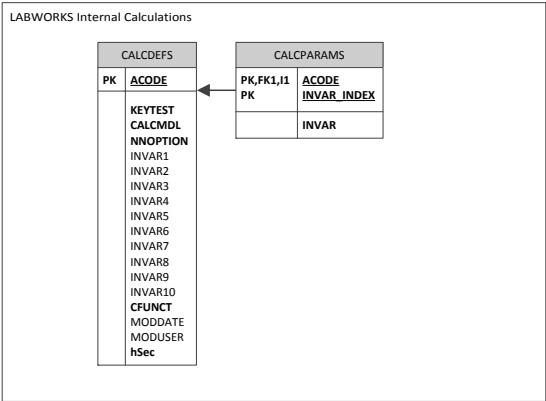
LABWORKS 6.6 Entity Relationship Diagram
Process Scheduler



Calculations and Result Conditioning

LABWORKS 6.6 Entity Relationship Diagram

Calculations and Result Conditioning

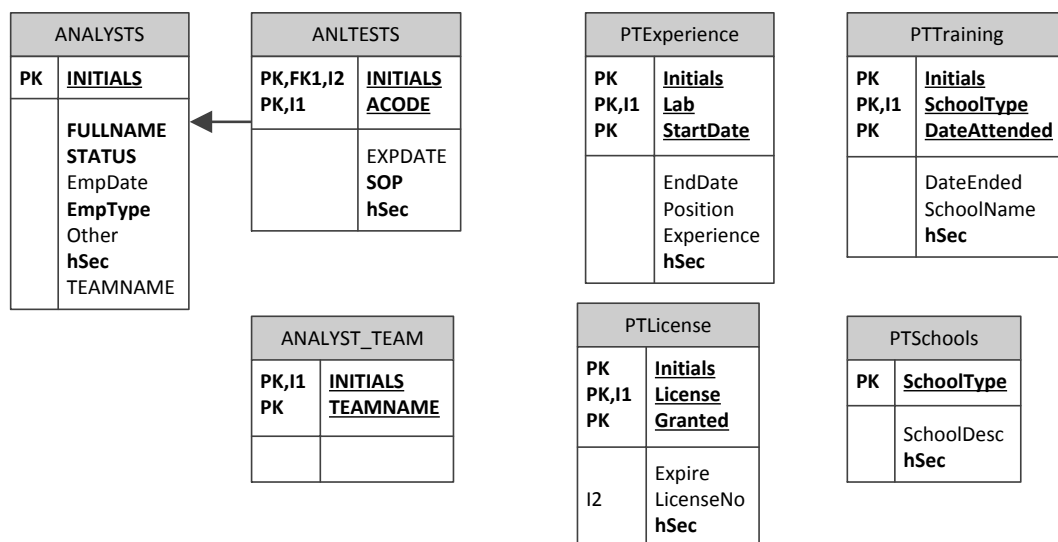


Analysis and Instrument Qualification

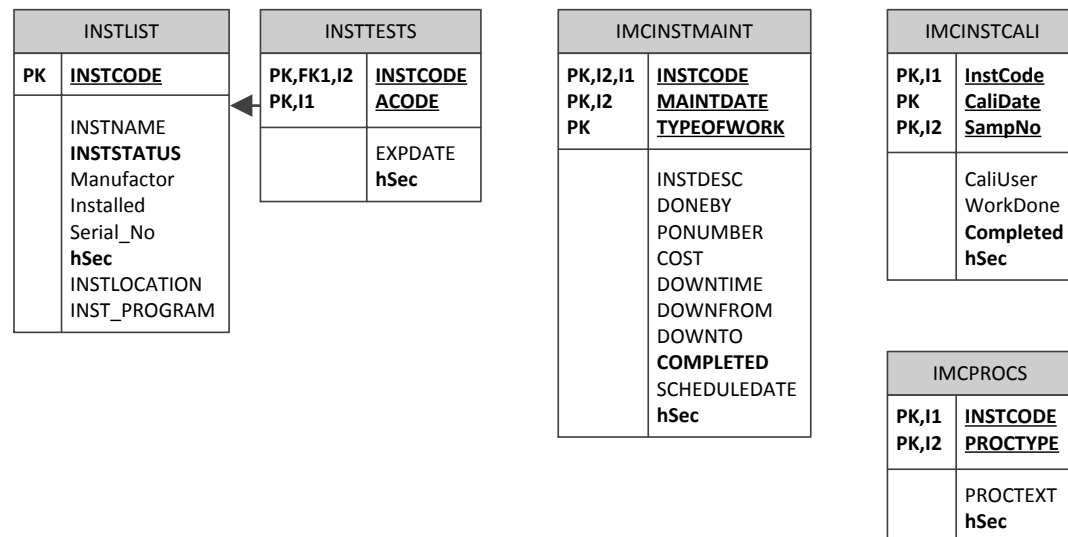
LABWORKS 6.6 Entity Relationship Diagram

Analysis and Instrument Qualification

Analyst Qualification – Personnel Training



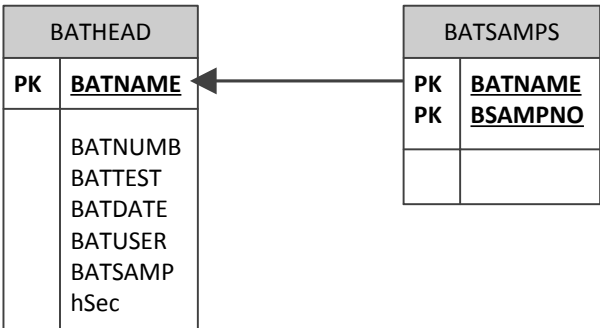
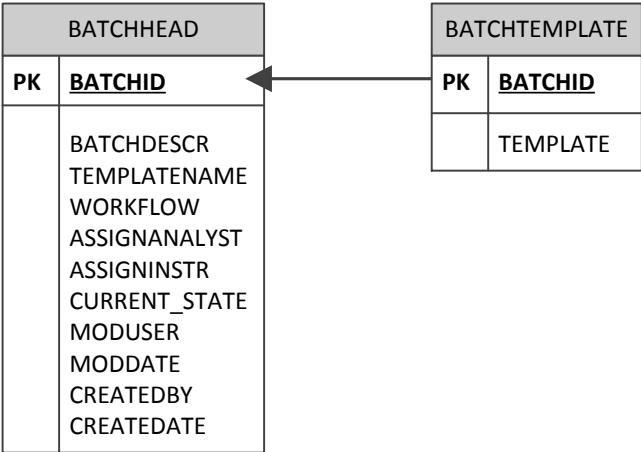
Instrument Qualification -Maintenance



QA-QC Templates and Samples

LABWORKS 6.6 Entity Relationship Diagram

QA-QC Templates and Samples



Persisted Groups

LABWORKS 6.6 Entity Relationship Diagram

Persisted Groups

