

Prospective Software Validation

Software validation provides documented evidence that software performs as intended. QW 5.0 version 5.00.0670 has been validated per the protocol established by Busitech and agreed to by its primary customer representatives. Any discrepancies discovered in the validation process that could not be resolved by the product release date will clearly be identified in the validation report and corrected in future versions.

QW 5.0 is highly configurable to the customer's application. Some customers also develop custom installation programs (for example, with customer defined calculations). The customer may need to also validate their installation and application of QW 5.0 version 5.00.0670, particularly when QW 5.0 version 5.00.0670 is used directly in the control of regulated products. This additional validation, if needed, is the responsibility of the customer.

Busitech provides this validation so that customers can have confidence in Busitech products and comply with their needs to use validated software.

Busitech programming code is proprietary to Busitech and not available for customer review. All code is based on Visual Basic 6, a commercially released Microsoft language and fully compatible with Windows 95, 98, 2000, XP and NT.

Validation Process

The validation protocol (also known as a test plan) lays out the tests and success criteria required by the validation process. Validation testing is typically organized into 3 steps:

INSTALLATION QUALIFICATION (IQ)	- static checks
OPERATIONAL QUALIFICATION (OQ)	- dynamic testing
PERFORMANCE QUALIFICATION (PQ)	- application verification

Busitech only does IQ and OQ. PQ if necessary is the responsibility of the customer.

The validation report presents the test data relative to success criteria and documents any discrepancies.

The validation process is repeated with each released version. Busitech maintains the right to shorten the validation process or reapply the previous validation when programming changes are known to have not changed specific areas of the program, as is the case with some maintenance releases.

Validation Protocol

Installation Qualification (IQ)

Objectives and Success Criteria

The installation program provided by Busitech will ensure that

- All the right programs (of the right version) are in the right folders.
- All the Busitech components (dll and ocx) are in the right folders.

Key risks

- Wrong version files are installed.
- Necessary files are not successfully installed.
- Note: the customer may choose to not use the Busitech install program or the customer may tamper with the files after installation. These changes are the responsibility of the customer to validate.

Steps & Checks

1. The software will be installed onto a PC (which does not currently have QW 5.0 installed) using the Busitech install program.
2. All files will be verified (relative to a master file list) as to their presence, location, version number and compile date. Note that user can choose to change the default location and name of the folders.
3. A listing of Busitech installed files will be included in the validation report, showing the version number and compile date of each program.

Validation Report

Installation Qualification (IQ)

Objectives and Success Criteria

The installation program provided by Busitech will ensure that

All the right programs (of the right version) are in the right folders.

All the Busitech components (dll and ocx) are in the right folders

Steps & Checks

- The software will be installed onto a PC (which does not currently have QW 5.0 installed) using the Busitech install program. (Completed by Noel Windle December 6, 2005)
- All files will be verified as to their presence (relative to a master file list), location and compile date. (Completed by Noel Windle December 6, 2005)

All programs and files will be verified (relative to a master file list) as to their presence, location, version number and compile date. A listing of Busitech installed programs and files is shown below, showing the version number and compile dates.

File	MM/DD/YY	Version
Files installed in C:\Busitech\QW 5.0 (default)		
BUSITECH.GIF	11/22/04	Not Applicable
HEADER.GIF	04/06/05	Not Applicable
INSTALL.LOG (created at install time)		Not Applicable
QW.EXE	12/05/05	5.0.0.670
QW50.CNT	12/04/05	Not Applicable
QW50.HLP	12/04/05	Not Applicable
QW50LIC.TXT	02/26/04	Not Applicable
QWADD.EXE	10/31/05	5.0.0.22
QWAPPL.EXE	12/05/05	5.0.0.79
QWCONCOM.EXE	07/08/05	5.00.0020
QWDEBUG.EXE	09/19/05	1.0.0.0
QWFILELOCKSVC.DOC	05/11/05	Not Applicable
QWFILEPACK.EXE	11/03/05	1.0.0.7
QWGLOBAL.EXE	12/05/05	5.0.0.79
QWLAUNCH.CNT	02/16/05	Not Applicable
QWLAUNCH.EXE	04/27/05	5.00.0036
QWLAUNCH.HLP	02/16/05	Not Applicable
QWLAUNCH.IQW	02/26/04	Not Applicable
QWMERGE.CNT	02/16/05	Not Applicable
QWMERGE.EXE	11/08/05	5.00.0040
QWMERGE.HLP	02/16/05	Not Applicable
QWPOPUP.EXE	12/05/05	5.0.0.79
QWREPORT.EXE	08/08/05	5.00.0028
QWRS232.EXE	08/25/05	5.00.0017

QWRS232SETUP	05/18/04	5.00.0024
QWSCHEDULE.EXE	09/19/05	1.0.0.70
QWSETUP.CNT	02/16/05	Not Applicable
QWSETUP.EXE	12/05/05	5.0.0.79
QWSETUP.HLP	02/16/05	Not Applicable
QWTOOL.EXE	10/24/05	5.0.0.182
QWTRIGGER.EXE	03/11/05	1.0.0.5
QWUPDATE.DOC	10/29/04	Not Applicable
QWUTILITIES.CHM	12/05/05	Not Applicable
QWUTILITIES.EXE	12/05/05	5.0.0.32
QWVERSION.EXE	07/08/05	5.0.0.4
QWVERSION.IQW	11/07/05	Not Applicable
QWXLTOQW.CNT	02/16/05	Not Applicable
QWXLTOQW.EXE	08/25/05	5.0.0.28
QWXLTOQW.HLP	02/16/05	Not Applicable
RELEASE.HTM	10/19/05	Not Applicable
UNWISE.EXE	12/27/96	Not Applicable
Files installed in C:\Busitech\QW 5.0\PocketQW (default)		
PocketQW.Arm 1100 (4K) v3.00.CAB	01/20/04	Not Applicable
PocketQW.I486 (4K) v3.00.CAB	01/20/04	Not Applicable
PocketQWSetup.exe	11/12/04	1.0.0.0
PocketQWSync.avi	03/28/03	Not Applicable
PocketQWSync.exe	07/08/05	1.0.0.11
PocketQW.INI	11/26/04	Not Applicable
PocketQW.CHM	07/11/05	Not Applicable
SETUP.INI	08/19/04	Not Applicable
Files installed in C:\Busitech\QW 5.0\Samples (default)		
8433.GIF	05/03/02	Not Applicable
CRITICAL.QPD	27/05/02	Not Applicable
CRITICAL.QPI	27/05/02	Not Applicable
CRITICAL.QPT	27/05/02	Not Applicable
DTCAUSES.QPD	14/04/98	Not Applicable
DTCAUSES.QPI	14/04/98	Not Applicable
DTCAUSES.QPT	08/06/94	Not Applicable
DTREASON.QPD	14/04/98	Not Applicable
DTREASON.QPI	14/04/98	Not Applicable
DTREASON.QPT	08/06/94	Not Applicable
FAILURE.QVM	06/23/02	Not Applicable
FAILURE.QWA	02/25/03	Not Applicable
FAILURE.QWD	02/25/03	Not Applicable
FAILURE.QWI	02/25/03	Not Applicable
FAILURE.QWT	03/09/05	Not Applicable

FAILURE.QWX	02/25/03	Not Applicable
FAILURE.V1	06/06/02	Not Applicable
FAILURE.V2	06/06/02	Not Applicable
FAILURE.V3	02/25/03	Not Applicable
FAILURE.V4	02/25/03	Not Applicable
FAILURE.V5	02/25/03	Not Applicable
FAILURE.V6	02/25/03	Not Applicable
KEYWORDS.KEY	12/18/03	Not Applicable
MONITOR.COA	07/25/03	Not Applicable
MONITOR.JPG	07/23/03	Not Applicable
MONITOR.QVM	07/25/03	Not Applicable
MONITOR.QWD	09/18/02	Not Applicable
MONITOR.QWI	09/18/02	Not Applicable
MONITOR.QWT	03/09/05	Not Applicable
MONITOR.QWX	12/03/04	Not Applicable
MONITOR.V1	06/21/02	Not Applicable
MONITOR.V10	09/18/02	Not Applicable
MONITOR.V11	09/18/02	Not Applicable
MONITOR.V12	09/18/02	Not Applicable
MONITOR.V13	09/18/02	Not Applicable
MONITOR.V14	09/18/02	Not Applicable
MONITOR.V15	06/23/02	Not Applicable
MONITOR.V16	07/25/03	Not Applicable
MONITOR.V2	06/21/02	Not Applicable
MONITOR.V3	06/21/02	Not Applicable
MONITOR.V4	06/21/02	Not Applicable
MONITOR.V5	09/18/02	Not Applicable
MONITOR.V6	06/21/02	Not Applicable
MONITOR.V7	06/21/02	Not Applicable
MONITOR.V8	09/18/02	Not Applicable
MONITOR.V9	09/18/02	Not Applicable
OFFQUAL.QPD	04/12/05	Not Applicable
OFFQUAL.QPI	04/12/05	Not Applicable
OFFQUAL.QPT	04/12/05	Not Applicable
PM 002.HTM	05/03/02	Not Applicable
PM 003.HTM	05/03/02	Not Applicable
PM 004.HTM	05/03/02	Not Applicable
PM 005.HTM	05/03/02	Not Applicable

PM 006.HTM	05/03/02	Not Applicable
PM 007.HTM	05/03/02	Not Applicable
PM 008.HTM	05/03/02	Not Applicable
PM 009.HTM	05/03/02	Not Applicable
PM 010.HTM	05/03/02	Not Applicable
PM 011.HTM	05/03/02	Not Applicable
PM 012.HTM	05/03/02	Not Applicable
PM 013.HTM	05/03/02	Not Applicable
PM 014.HTM	05/03/02	Not Applicable
PM 015.HTM	05/03/02	Not Applicable
PM 016.HTM	05/03/02	Not Applicable
PM 017.HTM	05/03/02	Not Applicable
PM 018.HTM	05/03/02	Not Applicable
PM 019.HTM	05/03/02	Not Applicable
PM 020.HTM	05/03/02	Not Applicable
PM 021.HTM	05/03/02	Not Applicable
PM001.HTM	05/03/02	Not Applicable
PRODUCTS.QPD	05/27/02	Not Applicable
PRODUCTS.QPI	05/27/02	Not Applicable
PRODUCTS.QPT	05/27/02	Not Applicable
Quality Root Cause Tracking & Analysis.KEY	12/18/03	Not Applicable
Quality Root Cause Tracking & Analysis.QVM	06/23/02	Not Applicable
Quality Root Cause Tracking & Analysis.QWD	04/22/05	Not Applicable
Quality Root Cause Tracking & Analysis.QWI	04/22/05	Not Applicable
Quality Root Cause Tracking & Analysis.QWT	04/22/05	Not Applicable
Quality Root Cause Tracking & Analysis.V1	04/22/05	Not Applicable
Quality Root Cause Tracking & Analysis.V2	04/22/05	Not Applicable
Quality Root Cause Tracking & Analysis.V3	04/22/05	Not Applicable
Quality Root Cause Tracking & Analysis.V4	04/22/05	Not Applicable
Quality Root Cause Tracking & Analysis.V5	04/22/05	Not Applicable
Quality Root Cause Tracking & Analysis.V6	04/22/05	Not Applicable
Quality Root Cause Tracking & Analysis.V7	04/22/05	Not Applicable
QWWAVE.JPG	05/03/02	Not Applicable
SHIFT.IO	05/27/02	Not Applicable
SHIFT.QPD	05/27/02	Not Applicable
SHIFT.QPI	05/27/02	Not Applicable
SHIFT.QPT	05/27/02	Not Applicable
TEAM.IO	06/24/02	Not Applicable

TEAM.QPD	05/27/02	Not Applicable
TEAM.QPI	05/27/02	Not Applicable
TEAM.QPT	05/27/02	Not Applicable
TEMPGAUGE.JPG	05/03/02	Not Applicable
VISCO.JPG	05/03/02	Not Applicable
WHENWAS.QPD	05/27/02	Not Applicable
WHENWAS.QPI	05/27/02	Not Applicable
WHENWAS.QPT	05/27/02	Not Applicable
WHEREWAS.QPD	05/27/02	Not Applicable
WHEREWAS.QPI	05/27/02	Not Applicable
WHEREWAS.QPT	05/27/02	Not Applicable
Files installed in C:\Windows\System		
ASYCFILT.DLL	06/19/03	2.40.4522
CHILKATMHT.DLL	07/07/03	2.9.6.1
COMCAT.DLL(only if NOT Win/NT)	06/19/03	5.0.2195.1
COMCT332.OCX	03/09/04	6.7.0.9782
COMDLG32.OCX	03/09/04	6.1.97.82
CTL3D32.DLL (only if Win/NT)	12/07/99	2.31.000
EXPSRV.DLL	08/04/04	6.0.72.9589
GDIPLUS.DLL	05/04/04	5.1.3102.1360
HDSECOMPRESSON.DLL	12/03/04	2.3.0.3
MSCOMCT2.OCX	03/09/04	6.1.97.82
MSCOMCTL.OCX	03/09/04	6.1.97.82
MSCOMM32.OCX	06/24/98	6.0.81.69
MSFLXGRD.OCX	03/09/04	6.1.97.82
MSJET35.DLL	04/13/99	3.51.2723.0
MSJINT35.DLL	04/24/98	3.51.0623.0
MSJTER35.DLL	04/24/98	3.51.0623.0
MSMAPI32.OCX	06/24/98	6.00.81.69
MSMASK32.OCX	05/22/00	6.00.84.18
MSRD2X35.DLL	04/24/98	3.51.0623.0
MSREPL35.DLL	04/13/99	3.51.2404.0
MSSCRIPT.OCX	07/22/02	1.0.0.7615
MSVBVM60.DLL	02/23/04	6.0.97.82
MSVCRT.DLL	08/04/04	7.0.2600.2180
MSVCRT40.DLL	12/07/99	4.2000.6201
MSWINSCK.OCX	03/09/04	6.1.97.82
MSXBSE.35.DLL	04/24/98	3.51.0623.0
OLEAUT32.DLL	06/19/03	2.40.4522
OLEPRO32.DLL	06/19/03	5.0.4522
OPCDAAUTO.DLL	07/25/01	2.0.0.3
PTXSCP.OCX	10/29/99	1.0.0.38
QWACCESS.DLL	10/25/05	5.00.0393

QWCHARTS.OCX	11/07/05	5.00.1873
QWCOMSRV.EXE	09/13/05	5.00.0056
QWDLG.DLL	11/07/05	5.00.0151
QWFILELOCKSVC.EXE	10/13/05	1.0.0.0
QWLAUNCH.DLL	11/09/04	5.00.0007
QWLIB.DLL	05/22/02	5.00.0032
QWLICENSE.DLL	08/25/05	5.00.0039
QWLOGVIEW.DLL	07/08/05	1.0.0.7
QWMATH.DLL	09/07/05	5.0.0.11
QWPACIFIER.OCX	07/08/05	5.0.0.5
QWPOPUP.OCX	10/12/05	5.0.0.70
QWREP.DLL	11/07/05	5.0.0.506
QWREPORT.OCX	10/20/05	5.0.0.166
QWRULES.SYS	10/28/02	Not Applicable
QWSCRIPT.QWX	05/14/04	Not Applicable
QWSCRIPTS.SYS	06/28/02	Not Applicable
QWSECURE.QWX	05/03/02	Not Applicable
QWSELECT.DLL	10/31/05	5.00.0390
QWSTATS.SYS	04/08/04	Not Applicable
QWTEXT.DLL	07/08/05	5.0.0.20
QWTOOL.DLL	10/24/05	5.00.0182
QWUNITS.SYS	10/15/02	Not Applicable
QWUPDATE.DOC	10/29/04	Not Applicable
QWUPDATE.OCX	10/31/05	5.0.0.292
QWVARINFO.OCX	10/19/05	5.0.0.83
SSSPLT30.OCX	03/04/02	3.0.3..8
STDOLE2.TLB	06/19/03	2.40.4522
TABCTL32.OCX	03/09/04	6.1.97.82
TDBG7.OCX	12/15/00	7.0.0254
VB5DB.DLL	06/18/98	6.0.81.69
VBAJET32.DLL	08/04/04	6.0.1.9431
VBSENDMAIL.DLL	09/05/03	3.6.0.5
VSFLEX7L.OCX	03/22/02	7.0.1.151
Files installed in Program Files\Common Files\Microsoft Shared\DAO\ if it exists otherwise installed in C:\Windows\System		
DAO350.DLL	04/27/98	3.51.1608.0

Existing files are overwritten only if Date, Time and internal version numbers of the files being installed are newer.

Registry Entries

HKEY_LOCAL_MACHINE
SOFTWARE

BUSITECH

PRODUCTS

QW50

InstallDir (default is C:\Busitech\QW50)

LicenseNo

ProductDesc

ProductDescLong

RegName1

RegName2

QWREP

LicenseNo

QWSETUP

Operational Qualification -OQ

Objectives and Success Criteria

- All key features of this software will perform as intended.
- All statistics will calculate as intended by Busitech, and be consistent between screens.
- All statistical control alarms on the Prioritize screen will be correct.
- All colors will be consistent throughout the program.
- Calculated Targets & Control Limits will be accurately calculated and drawn.

Key risks

- Customer receives false signals...wrong or missing alarms, wrong colors or wrong calculated control limits.
- Customer makes incorrect conclusions...inaccurate statistics, color zones or calculated control limits.
- Features do not work properly or as intended.

Steps & Checks

1. The software will be brought up using a standardized template, database and views designed for the purpose of validation. This is kept constant between QW 5.0 versions to make it easy to identify problems.
2. Busitech has a program called "BenchMark" specifically designed to automatically validate all statistical calculations using a test database. The output from this program will be attached to the validation report.
3. All key functions and features of the software will be checked on each screen manually. Successful completion of these checks (who and when checked) will be confirmed on the validation report.
4. The consistency of alarms and colors will be checked for at least 10 variables between all screens (control, prioritize, relate, compare, log). A view is used to test different combinations of calculated targets and limits on the same variables. The consistency of alarms, colors and control limit calculations is confirmed on the validation report (who and when checked).

Operational Qualification -IQ

Objectives and Success Criteria

- All features of this software will perform as intended.
- All statistics will calculate as intended, and be consistent between screens.
- All statistical control alarms on the Prioritize screen will be correct.
- All colors will be consistent throughout the program.
- Calculated Targets & Control Limits will be accurately calculated and drawn.

Steps & Checks

- The software will be brought up using a standardized template, database and views designed for the purpose of validation. This is kept constant between QW 5.0 versions to make it easy to identify problems. Busitech has a program specifically designed to automatically validate all statistical calculations using the standardized template and database. See QW 5.0 Statistics Validation Report below.
- All functions and features of the software will be checked on each screen manually. (Completed by Noel Windle December 5, 2005)
- The consistency of alarms and colors will be checked for at least 10 variables between all screens (control, prioritize, relate, compare, log). A view is used to test different combinations of calculated targets and limits on the same variable. The consistency of alarms, colors and control limit calculations is confirmed on the validation report. (Completed by Noel Windle December 5, 2005)

BenchMark Generated QW 5.0 Statistics Validation Report

QW 50670 12/06/2005 16:37:25

Variable	Statistic	Benchmark	Value	Test
v3 - FFFFFFFF	N	99	99	PASS
v3 - FFFFFFFF	S-pop	456.346	456.346	PASS
v3 - FFFFFFFF	+4S	2335.114	2335.114	PASS
v3 - FFFFFFFF	+3S	1878.768	1878.768	PASS
v3 - FFFFFFFF	Avg	509.729	509.729	PASS
v3 - FFFFFFFF	-3S	-859.31	-859.31	PASS
v3 - FFFFFFFF	-4S	-1315.656	-1315.656	PASS
v3 - FFFFFFFF	Max	2304.83	2304.83	PASS
v3 - FFFFFFFF	Min	-860.08	-860.08	PASS
v3 - FFFFFFFF	OSppm	60606	60606	PASS
v3 - FFFFFFFF	CSppm	32900	32900	PASS
v3 - FFFFFFFF	Cr	1.4	1.4	PASS
v3 - FFFFFFFF	Tz	0.1	0.1	PASS
v3 - FFFFFFFF	Cpk	0.7	0.7	PASS
v3 - FFFFFFFF	%CV	89.527	89.527	PASS
v3 - FFFFFFFF	Rule			PASS
v3 - FFFFFFFF	S-mr	261.622	261.622	PASS
v3 - FFFFFFFF	T-Dev	59.729	59.729	PASS
v3 - FFFFFFFF	C-SD	306.926	306.926	PASS

v3 - FFFFFFFF	+1.5S	1194.248	1194.248	PASS
v3 - FFFFFFFF	C-AVG	509.729	509.729	PASS
v3 - FFFFFFFF	-1.5S	-174.79	-174.79	PASS
v3 - FFFFFFFF	M	473.71	473.71	PASS
v3 - FFFFFFFF	OS%	6.061	6.061	PASS
v3 - FFFFFFFF	CS%	3.29	3.29	PASS
v3 - FFFFFFFF	R-AVG	346.213	346.213	PASS
v3 - FFFFFFFF	R-UCL	1131.078	1131.078	PASS
v3 - FFFFFFFF	R-UWL	738.646	738.646	PASS
v3 - FFFFFFFF	R-LWL	-46.219	-46.219	PASS
v3 - FFFFFFFF	Sum	50463.17	50463.17	PASS
v3 - FFFFFFFF	LV	2188.27	2188.27	PASS
v3 - FFFFFFFF	Sigma	4.3	4.3	PASS
v3 - FFFFFFFF	CP	0.71	0.71	PASS
v3 - FFFFFFFF	O < LWL%	10.101	10.101	PASS
v3 - FFFFFFFF	O < LWL ppm	101010	101010	PASS
v3 - FFFFFFFF	C < LWL%	21.77	21.77	PASS
v3 - FFFFFFFF	C < LWL ppm	217700	217700	PASS
v3 - FFFFFFFF	O < LCL%	3.03	3.03	PASS
v3 - FFFFFFFF	O < LCL ppm	30303	30303	PASS
v3 - FFFFFFFF	C < LCL%	13.14	13.14	PASS
v3 - FFFFFFFF	C < LCL ppm	131400	131400	PASS
v3 - FFFFFFFF	O<LWLn	10	10	PASS
v3 - FFFFFFFF	C<LWLn	21.552	21.552	PASS
v3 - FFFFFFFF	O<LCLn	3	3	PASS
v3 - FFFFFFFF	C<LCLn	13.009	13.009	PASS
v3 - FFFFFFFF	Osn	6	6	PASS
v3 - FFFFFFFF	Csn	3.257	3.257	PASS
v3 - FFFFFFFF	O<LSL%	2.02	2.02	PASS
v3 - FFFFFFFF	O<LSLppm	20202	20202	PASS
v3 - FFFFFFFF	O<LSLn	2	2	PASS
v3 - FFFFFFFF	C<LSL%	1.79	1.79	PASS
v3 - FFFFFFFF	C<LSLppm	17900	17900	PASS
v3 - FFFFFFFF	C<LSLn	1.772	1.772	PASS
v3 - FFFFFFFF	O<TGT%	49.495	49.495	PASS
v3 - FFFFFFFF	O<TGTppm	494949	494949	PASS
v3 - FFFFFFFF	O<TGTn	49	49	PASS
v3 - FFFFFFFF	C<TGT%	44.83	44.83	PASS
v3 - FFFFFFFF	C<TGTppm	448300	448300	PASS
v3 - FFFFFFFF	C<TGTn	44.382	44.382	PASS
v3 - FFFFFFFF	O=TGT%	0	0	PASS
v3 - FFFFFFFF	O=TGTppm	0	0	PASS
v3 - FFFFFFFF	O=TGTn	0	0	PASS
v3 - FFFFFFFF	O>TGT%	50.505	50.505	PASS
v3 - FFFFFFFF	O>TGTppm	505051	505051	PASS
v3 - FFFFFFFF	O>TGTn	50	50	PASS
v3 - FFFFFFFF	C>TGT%	55.17	55.17	PASS
v3 - FFFFFFFF	C>TGTppm	551700	551700	PASS
v3 - FFFFFFFF	C>TGTn	54.618	54.618	PASS
v3 - FFFFFFFF	O>UWL%	20.202	20.202	PASS

v3 - FFFFFFFF	O>UWLppm	202020	202020	PASS
v3 - FFFFFFFF	O>UWLn	20	20	PASS
v3 - FFFFFFFF	C>UWL%	31.92	31.92	PASS
v3 - FFFFFFFF	C>UWLppm	319200	319200	PASS
v3 - FFFFFFFF	C>UWLn	31.601	31.601	PASS
v3 - FFFFFFFF	O>UCL%	5.051	5.051	PASS
v3 - FFFFFFFF	O>UCLppm	50505	50505	PASS
v3 - FFFFFFFF	O>UCLn	5	5	PASS
v3 - FFFFFFFF	C>UCL%	14.23	14.23	PASS
v3 - FFFFFFFF	C>UCLppm	142300	142300	PASS
v3 - FFFFFFFF	C>UCLn	14.088	14.088	PASS
v3 - FFFFFFFF	O>USL%	4.04	4.04	PASS
v3 - FFFFFFFF	O>USLppm	40404	40404	PASS
v3 - FFFFFFFF	O>USLn	4	4	PASS
v3 - FFFFFFFF	C>USL%	1.5	1.5	PASS
v3 - FFFFFFFF	C>USLppm	15000	15000	PASS
v3 - FFFFFFFF	C>USLn	1.485	1.485	PASS
v3 - FFFFFFFF	UCloPPM	121281	121281	PASS
v3 - FFFFFFFF	UClcPPM	67788	67788	PASS
v4 - CCCCCC	N	99	99	PASS
v4 - CCCCCC	S-pop	456.346	456.346	PASS
v4 - CCCCCC	+4S	2335.114	2335.114	PASS
v4 - CCCCCC	+3S	1878.768	1878.768	PASS
v4 - CCCCCC	Avg	509.729	509.729	PASS
v4 - CCCCCC	-3S	-859.31	-859.31	PASS
v4 - CCCCCC	-4S	-1315.656	-1315.656	PASS
v4 - CCCCCC	Max	2304.83	2304.83	PASS
v4 - CCCCCC	Min	-860.08	-860.08	PASS
v4 - CCCCCC	OSppm			PASS
v4 - CCCCCC	CSppm			PASS
v4 - CCCCCC	Cr			PASS
v4 - CCCCCC	Tz			PASS
v4 - CCCCCC	Cpk			PASS
v4 - CCCCCC	%CV	89.527	89.527	PASS
v4 - CCCCCC	Rule			PASS
v4 - CCCCCC	S-mr	261.622	261.622	PASS
v4 - CCCCCC	T-Dev			PASS
v4 - CCCCCC	C-SD	204.69	204.69	PASS
v4 - CCCCCC	+1.5S	1194.248	1194.248	PASS
v4 - CCCCCC	C-AVG	670.461	670.461	PASS
v4 - CCCCCC	-1.5S	-174.79	-174.79	PASS
v4 - CCCCCC	M	473.71	473.71	PASS
v4 - CCCCCC	OS%			PASS
v4 - CCCCCC	CS%			PASS
v4 - CCCCCC	R-AVG	346.213	346.213	PASS
v4 - CCCCCC	R-UCL	1131.078	1131.078	PASS
v4 - CCCCCC	R-UWL	738.646	738.646	PASS
v4 - CCCCCC	R-LWL	-46.219	-46.219	PASS
v4 - CCCCCC	Sum	50463.17	50463.17	PASS
v4 - CCCCCC	LV	2188.27	2188.27	PASS

v4 - CCCCCC	Sigma	PASS
v4 - CCCCCC	CP	PASS
v4 - CCCCCC	O < LWL%	PASS
v4 - CCCCCC	O < LWL ppm	PASS
v4 - CCCCCC	C < LWL%	PASS
v4 - CCCCCC	C < LWL ppm	PASS
v4 - CCCCCC	O < LCL%	PASS
v4 - CCCCCC	O < LCL ppm	PASS
v4 - CCCCCC	C < LCL%	PASS
v4 - CCCCCC	C < LCL ppm	PASS
v4 - CCCCCC	O<LWLn	PASS
v4 - CCCCCC	C<LWLn	PASS
v4 - CCCCCC	O<LCLn	PASS
v4 - CCCCCC	C<LCLn	PASS
v4 - CCCCCC	Osn	PASS
v4 - CCCCCC	Csn	PASS
v4 - CCCCCC	O<LSL%	PASS
v4 - CCCCCC	O<LSLppm	PASS
v4 - CCCCCC	O<LSLn	PASS
v4 - CCCCCC	C<LSL%	PASS
v4 - CCCCCC	C<LSLppm	PASS
v4 - CCCCCC	C<LSLn	PASS
v4 - CCCCCC	O<TGT%	PASS
v4 - CCCCCC	O<TGTppm	PASS
v4 - CCCCCC	O<TGTn	PASS
v4 - CCCCCC	C<TGT%	PASS
v4 - CCCCCC	C<TGTppm	PASS
v4 - CCCCCC	C<TGTn	PASS
v4 - CCCCCC	O=TGT%	PASS
v4 - CCCCCC	O=TGTppm	PASS
v4 - CCCCCC	O=TGTn	PASS
v4 - CCCCCC	O>TGT%	PASS
v4 - CCCCCC	O>TGTppm	PASS
v4 - CCCCCC	O>TGTn	PASS
v4 - CCCCCC	C>TGT%	PASS
v4 - CCCCCC	C>TGTppm	PASS
v4 - CCCCCC	C>TGTn	PASS
v4 - CCCCCC	O>UWL%	PASS
v4 - CCCCCC	O>UWLppm	PASS
v4 - CCCCCC	O>UWLn	PASS
v4 - CCCCCC	C>UWL%	PASS
v4 - CCCCCC	C>UWLppm	PASS
v4 - CCCCCC	C>UWLn	PASS
v4 - CCCCCC	O>UCL%	PASS
v4 - CCCCCC	O>UCLppm	PASS
v4 - CCCCCC	O>UCLn	PASS
v4 - CCCCCC	C>UCL%	PASS
v4 - CCCCCC	C>UCLppm	PASS
v4 - CCCCCC	C>UCLn	PASS
v4 - CCCCCC	O>USL%	PASS

v4 - CCCCCC	O>USLppm			PASS
v4 - CCCCCC	O>USLn			PASS
v4 - CCCCCC	C>USL%			PASS
v4 - CCCCCC	C>USLppm			PASS
v4 - CCCCCC	C>USLn			PASS
v4 - CCCCCC	UCloPPM			PASS
v4 - CCCCCC	UClcPPM			PASS
v5 - BBBBBBB	N	99	99	PASS
v5 - BBBBBBB	S-pop			PASS
v5 - BBBBBBB	+4S			PASS
v5 - BBBBBBB	+3S			PASS
v5 - BBBBBBB	Avg			PASS
v5 - BBBBBBB	-3S			PASS
v5 - BBBBBBB	-4S			PASS
v5 - BBBBBBB	Max			PASS
v5 - BBBBBBB	Min			PASS
v5 - BBBBBBB	OSppm			PASS
v5 - BBBBBBB	CSppm			PASS
v5 - BBBBBBB	Cr			PASS
v5 - BBBBBBB	Tz			PASS
v5 - BBBBBBB	Cpk			PASS
v5 - BBBBBBB	%CV			PASS
v5 - BBBBBBB	Rule			PASS
v5 - BBBBBBB	S-mr			PASS
v5 - BBBBBBB	T-Dev			PASS
v5 - BBBBBBB	C-SD			PASS
v5 - BBBBBBB	+1.5S			PASS
v5 - BBBBBBB	C-AVG			PASS
v5 - BBBBBBB	-1.5S			PASS
v5 - BBBBBBB	M			PASS
v5 - BBBBBBB	OS%			PASS
v5 - BBBBBBB	CS%			PASS
v5 - BBBBBBB	R-AVG			PASS
v5 - BBBBBBB	R-UCL			PASS
v5 - BBBBBBB	R-UWL			PASS
v5 - BBBBBBB	R-LWL			PASS
v5 - BBBBBBB	Sum			PASS
v5 - BBBBBBB	LV	2188.27	2188.27	PASS
v5 - BBBBBBB	Sigma			PASS
v5 - BBBBBBB	CP			PASS
v5 - BBBBBBB	O < LWL%			PASS
v5 - BBBBBBB	O < LWL ppm			PASS
v5 - BBBBBBB	C < LWL%			PASS
v5 - BBBBBBB	C < LWL ppm			PASS
v5 - BBBBBBB	O < LCL%			PASS
v5 - BBBBBBB	O < LCL ppm			PASS
v5 - BBBBBBB	C < LCL%			PASS
v5 - BBBBBBB	C < LCL ppm			PASS
v5 - BBBBBBB	O<LWLn			PASS
v5 - BBBBBBB	C<LWLn			PASS

v5 - BBBBbbb	O<LCLn			PASS
v5 - BBBBbbb	C<LCLn			PASS
v5 - BBBBbbb	Osn			PASS
v5 - BBBBbbb	Csn			PASS
v5 - BBBBbbb	O<LSL%			PASS
v5 - BBBBbbb	O<LSLppm			PASS
v5 - BBBBbbb	O<LSLn			PASS
v5 - BBBBbbb	C<LSL%			PASS
v5 - BBBBbbb	C<LSLppm			PASS
v5 - BBBBbbb	C<LSLn			PASS
v5 - BBBBbbb	O<TGT%			PASS
v5 - BBBBbbb	O<TGTppm			PASS
v5 - BBBBbbb	O<TGTn			PASS
v5 - BBBBbbb	C<TGT%			PASS
v5 - BBBBbbb	C<TGTppm			PASS
v5 - BBBBbbb	C<TGTn			PASS
v5 - BBBBbbb	O=TGT%			PASS
v5 - BBBBbbb	O=TGTppm			PASS
v5 - BBBBbbb	O=TGTn			PASS
v5 - BBBBbbb	O>TGT%			PASS
v5 - BBBBbbb	O>TGTppm			PASS
v5 - BBBBbbb	O>TGTn			PASS
v5 - BBBBbbb	C>TGT%			PASS
v5 - BBBBbbb	C>TGTppm			PASS
v5 - BBBBbbb	C>TGTn			PASS
v5 - BBBBbbb	O>UWL%			PASS
v5 - BBBBbbb	O>UWLppm			PASS
v5 - BBBBbbb	O>UWLn			PASS
v5 - BBBBbbb	C>UWL%			PASS
v5 - BBBBbbb	C>UWLppm			PASS
v5 - BBBBbbb	C>UWLn			PASS
v5 - BBBBbbb	O>UCL%			PASS
v5 - BBBBbbb	O>UCLppm			PASS
v5 - BBBBbbb	O>UCLn			PASS
v5 - BBBBbbb	C>UCL%			PASS
v5 - BBBBbbb	C>UCLppm			PASS
v5 - BBBBbbb	C>UCLn			PASS
v5 - BBBBbbb	O>USL%			PASS
v5 - BBBBbbb	O>USLppm			PASS
v5 - BBBBbbb	O>USLn			PASS
v5 - BBBBbbb	C>USL%			PASS
v5 - BBBBbbb	C>USLppm			PASS
v5 - BBBBbbb	C>USLn			PASS
v5 - BBBBbbb	UCIoPPM			PASS
v5 - BBBBbbb	UCIcPPM			PASS
v6 - FFCFCFF	N	99	99	PASS
v6 - FFCFCFF	S-pop	456.346	456.346	PASS
v6 - FFCFCFF	+4S	2335.114	2335.114	PASS
v6 - FFCFCFF	+3S	1878.768	1878.768	PASS
v6 - FFCFCFF	Avg	509.729	509.729	PASS

v6 - FFCFCFF	-3S	-859.31	-859.31	PASS
v6 - FFCFCFF	-4S	-1315.656	-1315.656	PASS
v6 - FFCFCFF	Max	2304.83	2304.83	PASS
v6 - FFCFCFF	Min	-860.08	-860.08	PASS
v6 - FFCFCFF	OSppm	70707	70707	PASS
v6 - FFCFCFF	CSppm	146400	146400	PASS
v6 - FFCFCFF	Cr	1.83	1.83	PASS
v6 - FFCFCFF	Tz	0.1	0.1	PASS
v6 - FFCFCFF	Cpk	0.37	0.37	PASS
v6 - FFCFCFF	%CV	89.527	89.527	PASS
v6 - FFCFCFF	Rule			PASS
v6 - FFCFCFF	S-mr	261.622	261.622	PASS
v6 - FFCFCFF	T-Dev	59.729	59.729	PASS
v6 - FFCFCFF	C-SD	575.277	575.277	PASS
v6 - FFCFCFF	+1.5S	1194.248	1194.248	PASS
v6 - FFCFCFF	C-AVG	462.569	462.569	PASS
v6 - FFCFCFF	-1.5S	-174.79	-174.79	PASS
v6 - FFCFCFF	M	473.71	473.71	PASS
v6 - FFCFCFF	OS%	7.071	7.071	PASS
v6 - FFCFCFF	CS%	14.64	14.64	PASS
v6 - FFCFCFF	R-AVG	346.213	346.213	PASS
v6 - FFCFCFF	R-UCL	1131.078	1131.078	PASS
v6 - FFCFCFF	R-UWL	738.646	738.646	PASS
v6 - FFCFCFF	R-LWL	-46.219	-46.219	PASS
v6 - FFCFCFF	Sum	50463.17	50463.17	PASS
v6 - FFCFCFF	LV	2188.27	2188.27	PASS
v6 - FFCFCFF	Sigma	3.3	3.3	PASS
v6 - FFCFCFF	CP	0.55	0.55	PASS
v6 - FFCFCFF	O < LWL%			PASS
v6 - FFCFCFF	O < LWL ppm			PASS
v6 - FFCFCFF	C < LWL%			PASS
v6 - FFCFCFF	C < LWL ppm			PASS
v6 - FFCFCFF	O < LCL%	10.101	10.101	PASS
v6 - FFCFCFF	O < LCL ppm	101010	101010	PASS
v6 - FFCFCFF	C < LCL%	21.77	21.77	PASS
v6 - FFCFCFF	C < LCL ppm	217700	217700	PASS
v6 - FFCFCFF	O<LWLn			PASS
v6 - FFCFCFF	C<LWLn			PASS
v6 - FFCFCFF	O<LCLn	10	10	PASS
v6 - FFCFCFF	C<LCLn	21.552	21.552	PASS
v6 - FFCFCFF	Osn	7	7	PASS
v6 - FFCFCFF	Csn	14.494	14.494	PASS
v6 - FFCFCFF	O<LSL%	3.03	3.03	PASS
v6 - FFCFCFF	O<LSLppm	30303	30303	PASS
v6 - FFCFCFF	O<LSLn	3	3	PASS
v6 - FFCFCFF	C<LSL%	13.14	13.14	PASS
v6 - FFCFCFF	C<LSLppm	131400	131400	PASS
v6 - FFCFCFF	C<LSLn	13.009	13.009	PASS
v6 - FFCFCFF	O<TGT%	49.495	49.495	PASS
v6 - FFCFCFF	O<TGTppm	494949	494949	PASS

v6 - FFCFCFF	O<TGTn	49	49	PASS
v6 - FFCFCFF	C<TGT%	44.83	44.83	PASS
v6 - FFCFCFF	C<TGTppm	448300	448300	PASS
v6 - FFCFCFF	C<TGTn	44.382	44.382	PASS
v6 - FFCFCFF	O=TGT%	0	0	PASS
v6 - FFCFCFF	O=TGTppm	0	0	PASS
v6 - FFCFCFF	O=TGTn	0	0	PASS
v6 - FFCFCFF	O>TGT%	50.505	50.505	PASS
v6 - FFCFCFF	O>TGTppm	505051	505051	PASS
v6 - FFCFCFF	O>TGTn	50	50	PASS
v6 - FFCFCFF	C>TGT%	55.17	55.17	PASS
v6 - FFCFCFF	C>TGTppm	551700	551700	PASS
v6 - FFCFCFF	C>TGTn	54.618	54.618	PASS
v6 - FFCFCFF	O>UWL%			PASS
v6 - FFCFCFF	O>UWLppm			PASS
v6 - FFCFCFF	O>UWLn			PASS
v6 - FFCFCFF	C>UWL%			PASS
v6 - FFCFCFF	C>UWLppm			PASS
v6 - FFCFCFF	C>UWLn			PASS
v6 - FFCFCFF	O>UCL%	5.051	5.051	PASS
v6 - FFCFCFF	O>UCLppm	50505	50505	PASS
v6 - FFCFCFF	O>UCLn	5	5	PASS
v6 - FFCFCFF	C>UCL%	14.23	14.23	PASS
v6 - FFCFCFF	C>UCLppm	142300	142300	PASS
v6 - FFCFCFF	C>UCLn	14.088	14.088	PASS
v6 - FFCFCFF	O>USL%	4.04	4.04	PASS
v6 - FFCFCFF	O>USLppm	40404	40404	PASS
v6 - FFCFCFF	O>USLn	4	4	PASS
v6 - FFCFCFF	C>USL%	1.5	1.5	PASS
v6 - FFCFCFF	C>USLppm	15000	15000	PASS
v6 - FFCFCFF	C>USLn	1.485	1.485	PASS
v6 - FFCFCFF	UCLoPPM	132108	132108	PASS
v6 - FFCFCFF	UCLcPPM	216632	216632	PASS
v7 - FFFFBBB	N	99	99	PASS
v7 - FFFFBBB	S-pop	456.346	456.346	PASS
v7 - FFFFBBB	+4S	2335.114	2335.114	PASS
v7 - FFFFBBB	+3S	1878.768	1878.768	PASS
v7 - FFFFBBB	Avg	509.729	509.729	PASS
v7 - FFFFBBB	-3S	-859.31	-859.31	PASS
v7 - FFFFBBB	-4S	-1315.656	-1315.656	PASS
v7 - FFFFBBB	Max	2304.83	2304.83	PASS
v7 - FFFFBBB	Min	-860.08	-860.08	PASS
v7 - FFFFBBB	OSppm	40404	40404	PASS
v7 - FFFFBBB	CSppm	15000	15000	PASS
v7 - FFFFBBB	Cr	1.3	1.3	PASS
v7 - FFFFBBB	Tz	0.1	0.1	PASS
v7 - FFFFBBB	Cpk	0.72	0.72	PASS
v7 - FFFFBBB	%CV	89.527	89.527	PASS
v7 - FFFFBBB	Rule			PASS
v7 - FFFFBBB	S-mr	261.622	261.622	PASS

v7 - FFFFBBB	T-Dev	59.729	59.729	PASS
v7 - FFFFBBB	C-SD	393.554	393.554	PASS
v7 - FFFFBBB	+1.5S	1194.248	1194.248	PASS
v7 - FFFFBBB	C-AVG	356.537	356.537	PASS
v7 - FFFFBBB	-1.5S	-174.79	-174.79	PASS
v7 - FFFFBBB	M	473.71	473.71	PASS
v7 - FFFFBBB	OS%	4.04	4.04	PASS
v7 - FFFFBBB	CS%	1.5	1.5	PASS
v7 - FFFFBBB	R-AVG	346.213	346.213	PASS
v7 - FFFFBBB	R-UCL	1131.078	1131.078	PASS
v7 - FFFFBBB	R-UWL	738.646	738.646	PASS
v7 - FFFFBBB	R-LWL	-46.219	-46.219	PASS
v7 - FFFFBBB	Sum	50463.17	50463.17	PASS
v7 - FFFFBBB	LV	2188.27	2188.27	PASS
v7 - FFFFBBB	Sigma	4.6	4.6	PASS
v7 - FFFFBBB	CP	0.77	0.77	PASS
v7 - FFFFBBB	O < LWL%			PASS
v7 - FFFFBBB	O < LWL ppm			PASS
v7 - FFFFBBB	C < LWL%			PASS
v7 - FFFFBBB	C < LWL ppm			PASS
v7 - FFFFBBB	O < LCL%			PASS
v7 - FFFFBBB	O < LCL ppm			PASS
v7 - FFFFBBB	C < LCL%			PASS
v7 - FFFFBBB	C < LCL ppm			PASS
v7 - FFFFBBB	O<LWLn			PASS
v7 - FFFFBBB	C<LWLn			PASS
v7 - FFFFBBB	O<LCLn			PASS
v7 - FFFFBBB	C<LCLn			PASS
v7 - FFFFBBB	Osn	4	4	PASS
v7 - FFFFBBB	Csn	1.485	1.485	PASS
v7 - FFFFBBB	O<LSL%			PASS
v7 - FFFFBBB	O<LSLppm			PASS
v7 - FFFFBBB	O<LSLn			PASS
v7 - FFFFBBB	C<LSL%			PASS
v7 - FFFFBBB	C<LSLppm			PASS
v7 - FFFFBBB	C<LSLn			PASS
v7 - FFFFBBB	O<TGT%	49.495	49.495	PASS
v7 - FFFFBBB	O<TGTppm	494949	494949	PASS
v7 - FFFFBBB	O<TGTn	49	49	PASS
v7 - FFFFBBB	C<TGT%	44.83	44.83	PASS
v7 - FFFFBBB	C<TGTppm	448300	448300	PASS
v7 - FFFFBBB	C<TGTn	44.382	44.382	PASS
v7 - FFFFBBB	O=TGT%	0	0	PASS
v7 - FFFFBBB	O=TGTppm	0	0	PASS
v7 - FFFFBBB	O=TGTn	0	0	PASS
v7 - FFFFBBB	O>TGT%	50.505	50.505	PASS
v7 - FFFFBBB	O>TGTppm	505051	505051	PASS
v7 - FFFFBBB	O>TGTn	50	50	PASS
v7 - FFFFBBB	C>TGT%	55.17	55.17	PASS
v7 - FFFFBBB	C>TGTppm	551700	551700	PASS

v7 - FFFFBBB	C>TGTn	54.618	54.618	PASS
v7 - FFFFBBB	O>UWL%	20.202	20.202	PASS
v7 - FFFFBBB	O>UWLppm	202020	202020	PASS
v7 - FFFFBBB	O>UWLn	20	20	PASS
v7 - FFFFBBB	C>UWL%	31.92	31.92	PASS
v7 - FFFFBBB	C>UWLppm	319200	319200	PASS
v7 - FFFFBBB	C>UWLn	31.601	31.601	PASS
v7 - FFFFBBB	O>UCL%	5.051	5.051	PASS
v7 - FFFFBBB	O>UCLppm	50505	50505	PASS
v7 - FFFFBBB	O>UCLn	5	5	PASS
v7 - FFFFBBB	C>UCL%	14.23	14.23	PASS
v7 - FFFFBBB	C>UCLppm	142300	142300	PASS
v7 - FFFFBBB	C>UCLn	14.088	14.088	PASS
v7 - FFFFBBB	O>USL%	4.04	4.04	PASS
v7 - FFFFBBB	O>USLppm	40404	40404	PASS
v7 - FFFFBBB	O>USLn	4	4	PASS
v7 - FFFFBBB	C>USL%	1.5	1.5	PASS
v7 - FFFFBBB	C>USLppm	15000	15000	PASS
v7 - FFFFBBB	C>USLn	1.485	1.485	PASS
v7 - FFFFBBB	UCloPPM	91364	91364	PASS
v7 - FFFFBBB	UClcPPM	31861	31861	PASS
v8 - BBBFFFF	N	99	99	PASS
v8 - BBBFFFF	S-pop	456.346	456.346	PASS
v8 - BBBFFFF	+4S	2335.114	2335.114	PASS
v8 - BBBFFFF	+3S	1878.768	1878.768	PASS
v8 - BBBFFFF	Avg	509.729	509.729	PASS
v8 - BBBFFFF	-3S	-859.31	-859.31	PASS
v8 - BBBFFFF	-4S	-1315.656	-1315.656	PASS
v8 - BBBFFFF	Max	2304.83	2304.83	PASS
v8 - BBBFFFF	Min	-860.08	-860.08	PASS
v8 - BBBFFFF	OSppm	20202	20202	PASS
v8 - BBBFFFF	CSppm	17900	17900	PASS
v8 - BBBFFFF	Cr	1.52	1.52	PASS
v8 - BBBFFFF	Tz	0.1	0.1	PASS
v8 - BBBFFFF	Cpk	0.7	0.7	PASS
v8 - BBBFFFF	%CV	89.527	89.527	PASS
v8 - BBBFFFF	Rule			PASS
v8 - BBBFFFF	S-mr	261.622	261.622	PASS
v8 - BBBFFFF	T-Dev	59.729	59.729	PASS
v8 - BBBFFFF	C-SD	208.54	208.54	PASS
v8 - BBBFFFF	+1.5S	1194.248	1194.248	PASS
v8 - BBBFFFF	C-AVG	686.472	686.472	PASS
v8 - BBBFFFF	-1.5S	-174.79	-174.79	PASS
v8 - BBBFFFF	M	473.71	473.71	PASS
v8 - BBBFFFF	OS%	2.02	2.02	PASS
v8 - BBBFFFF	CS%	1.79	1.79	PASS
v8 - BBBFFFF	R-AVG	346.213	346.213	PASS
v8 - BBBFFFF	R-UCL	1131.078	1131.078	PASS
v8 - BBBFFFF	R-UWL	738.646	738.646	PASS
v8 - BBBFFFF	R-LWL	-46.219	-46.219	PASS

v8 - BBBFFFF	Sum	50463.17	50463.17	PASS
v8 - BBBFFFF	LV	2188.27	2188.27	PASS
v8 - BBBFFFF	Sigma	3.9	3.9	PASS
v8 - BBBFFFF	CP	0.66	0.66	PASS
v8 - BBBFFFF	O < LWL%	10.101	10.101	PASS
v8 - BBBFFFF	O < LWL ppm	101010	101010	PASS
v8 - BBBFFFF	C < LWL%	21.77	21.77	PASS
v8 - BBBFFFF	C < LWL ppm	217700	217700	PASS
v8 - BBBFFFF	O < LCL%	3.03	3.03	PASS
v8 - BBBFFFF	O < LCL ppm	30303	30303	PASS
v8 - BBBFFFF	C < LCL%	13.14	13.14	PASS
v8 - BBBFFFF	C < LCL ppm	131400	131400	PASS
v8 - BBBFFFF	O<LWLn	10	10	PASS
v8 - BBBFFFF	C<LWLn	21.552	21.552	PASS
v8 - BBBFFFF	O<LCLn	3	3	PASS
v8 - BBBFFFF	C<LCLn	13.009	13.009	PASS
v8 - BBBFFFF	Osn	2	2	PASS
v8 - BBBFFFF	Csn	1.772	1.772	PASS
v8 - BBBFFFF	O<LSL%	2.02	2.02	PASS
v8 - BBBFFFF	O<LSLppm	20202	20202	PASS
v8 - BBBFFFF	O<LSLn	2	2	PASS
v8 - BBBFFFF	C<LSL%	1.79	1.79	PASS
v8 - BBBFFFF	C<LSLppm	17900	17900	PASS
v8 - BBBFFFF	C<LSLn	1.772	1.772	PASS
v8 - BBBFFFF	O<TGT%	49.495	49.495	PASS
v8 - BBBFFFF	O<TGTppm	494949	494949	PASS
v8 - BBBFFFF	O<TGTn	49	49	PASS
v8 - BBBFFFF	C<TGT%	44.83	44.83	PASS
v8 - BBBFFFF	C<TGTppm	448300	448300	PASS
v8 - BBBFFFF	C<TGTn	44.382	44.382	PASS
v8 - BBBFFFF	O=TGT%	0	0	PASS
v8 - BBBFFFF	O=TGTppm	0	0	PASS
v8 - BBBFFFF	O=TGTn	0	0	PASS
v8 - BBBFFFF	O>TGT%	50.505	50.505	PASS
v8 - BBBFFFF	O>TGTppm	505051	505051	PASS
v8 - BBBFFFF	O>TGTn	50	50	PASS
v8 - BBBFFFF	C>TGT%	55.17	55.17	PASS
v8 - BBBFFFF	C>TGTppm	551700	551700	PASS
v8 - BBBFFFF	C>TGTn	54.618	54.618	PASS
v8 - BBBFFFF	O>UWL%			PASS
v8 - BBBFFFF	O>UWLppm			PASS
v8 - BBBFFFF	O>UWLn			PASS
v8 - BBBFFFF	C>UWL%			PASS
v8 - BBBFFFF	C>UWLppm			PASS
v8 - BBBFFFF	C>UWLn			PASS
v8 - BBBFFFF	O>UCL%			PASS
v8 - BBBFFFF	O>UCLppm			PASS
v8 - BBBFFFF	O>UCLn			PASS
v8 - BBBFFFF	C>UCL%			PASS
v8 - BBBFFFF	C>UCLppm			PASS

v8 - BBBFFFF	C>UCLn			PASS
v8 - BBBFFFF	O>USL%			PASS
v8 - BBBFFFF	O>USLppm			PASS
v8 - BBBFFFF	O>USLn			PASS
v8 - BBBFFFF	C>USL%			PASS
v8 - BBBFFFF	C>USLppm			PASS
v8 - BBBFFFF	C>USLn			PASS
v8 - BBBFFFF	UCIoPPM	63028	63028	PASS
v8 - BBBFFFF	UCIcPPM	35927	35927	PASS
v9 - CCCCBBB	N	99	99	PASS
v9 - CCCCBBB	S-pop	456.346	456.346	PASS
v9 - CCCCBBB	+4S	2335.114	2335.114	PASS
v9 - CCCCBBB	+3S	1878.768	1878.768	PASS
v9 - CCCCBBB	Avg	509.729	509.729	PASS
v9 - CCCCBBB	-3S	-859.31	-859.31	PASS
v9 - CCCCBBB	-4S	-1315.656	-1315.656	PASS
v9 - CCCCBBB	Max	2304.83	2304.83	PASS
v9 - CCCCBBB	Min	-860.08	-860.08	PASS
v9 - CCCCBBB	OSppm			PASS
v9 - CCCCBBB	CSpmm			PASS
v9 - CCCCBBB	Cr			PASS
v9 - CCCCBBB	Tz			PASS
v9 - CCCCBBB	Cpk			PASS
v9 - CCCCBBB	%CV	89.527	89.527	PASS
v9 - CCCCBBB	Rule			PASS
v9 - CCCCBBB	S-mr	261.622	261.622	PASS
v9 - CCCCBBB	T-Dev			PASS
v9 - CCCCBBB	C-SD	456.346	456.346	PASS
v9 - CCCCBBB	+1.5S	1194.248	1194.248	PASS
v9 - CCCCBBB	C-AVG	509.729	509.729	PASS
v9 - CCCCBBB	-1.5S	-174.79	-174.79	PASS
v9 - CCCCBBB	M	473.71	473.71	PASS
v9 - CCCCBBB	OS%			PASS
v9 - CCCCBBB	CS%			PASS
v9 - CCCCBBB	R-AVG	346.213	346.213	PASS
v9 - CCCCBBB	R-UCL	1131.078	1131.078	PASS
v9 - CCCCBBB	R-UWL	738.646	738.646	PASS
v9 - CCCCBBB	R-LWL	-46.219	-46.219	PASS
v9 - CCCCBBB	Sum	50463.17	50463.17	PASS
v9 - CCCCBBB	LV	2188.27	2188.27	PASS
v9 - CCCCBBB	Sigma			PASS
v9 - CCCCBBB	CP			PASS
v9 - CCCCBBB	O < LWL%			PASS
v9 - CCCCBBB	O < LWL ppm			PASS
v9 - CCCCBBB	C < LWL%			PASS
v9 - CCCCBBB	C < LWL ppm			PASS
v9 - CCCCBBB	O < LCL%			PASS
v9 - CCCCBBB	O < LCL ppm			PASS
v9 - CCCCBBB	C < LCL%			PASS
v9 - CCCCBBB	C < LCL ppm			PASS

v9 - CCCCBBB	O<LWLn			PASS
v9 - CCCCBBB	C<LWLn			PASS
v9 - CCCCBBB	O<LCLn			PASS
v9 - CCCCBBB	C<LCLn			PASS
v9 - CCCCBBB	Osn			PASS
v9 - CCCCBBB	Csn			PASS
v9 - CCCCBBB	O<LSL%			PASS
v9 - CCCCBBB	O<LSLppm			PASS
v9 - CCCCBBB	O<LSLn			PASS
v9 - CCCCBBB	C<LSL%			PASS
v9 - CCCCBBB	C<LSLppm			PASS
v9 - CCCCBBB	C<LSLn			PASS
v9 - CCCCBBB	O<TGT%			PASS
v9 - CCCCBBB	O<TGTppm			PASS
v9 - CCCCBBB	O<TGTn			PASS
v9 - CCCCBBB	C<TGT%			PASS
v9 - CCCCBBB	C<TGTppm			PASS
v9 - CCCCBBB	C<TGTn			PASS
v9 - CCCCBBB	O=TGT%			PASS
v9 - CCCCBBB	O=TGTppm			PASS
v9 - CCCCBBB	O=TGTn			PASS
v9 - CCCCBBB	O>TGT%			PASS
v9 - CCCCBBB	O>TGTppm			PASS
v9 - CCCCBBB	O>TGTn			PASS
v9 - CCCCBBB	C>TGT%			PASS
v9 - CCCCBBB	C>TGTppm			PASS
v9 - CCCCBBB	C>TGTn			PASS
v9 - CCCCBBB	O>UWL%			PASS
v9 - CCCCBBB	O>UWLppm			PASS
v9 - CCCCBBB	O>UWLn			PASS
v9 - CCCCBBB	C>UWL%			PASS
v9 - CCCCBBB	C>UWLppm			PASS
v9 - CCCCBBB	C>UWLn			PASS
v9 - CCCCBBB	O>UCL%			PASS
v9 - CCCCBBB	O>UCLppm			PASS
v9 - CCCCBBB	O>UCLn			PASS
v9 - CCCCBBB	C>UCL%			PASS
v9 - CCCCBBB	C>UCLppm			PASS
v9 - CCCCBBB	C>UCLn			PASS
v9 - CCCCBBB	O>USL%			PASS
v9 - CCCCBBB	O>USLppm			PASS
v9 - CCCCBBB	O>USLn			PASS
v9 - CCCCBBB	C>USL%			PASS
v9 - CCCCBBB	C>USLppm			PASS
v9 - CCCCBBB	C>USLn			PASS
v9 - CCCCBBB	UCIoPPM			PASS
v9 - CCCCBBB	UCIcPPM			PASS
v10 - BBBCCCC	N	99	99	PASS
v10 - BBBCCCC	S-pop	456.346	456.346	PASS
v10 - BBBCCCC	+4S	2335.114	2335.114	PASS

v10 - BBBCCCC	+3S	1878.768	1878.768	PASS
v10 - BBBCCCC	Avg	509.729	509.729	PASS
v10 - BBBCCCC	-3S	-859.31	-859.31	PASS
v10 - BBBCCCC	-4S	-1315.656	-1315.656	PASS
v10 - BBBCCCC	Max	2304.83	2304.83	PASS
v10 - BBBCCCC	Min	-860.08	-860.08	PASS
v10 - BBBCCCC	OSppm			PASS
v10 - BBBCCCC	CSppm			PASS
v10 - BBBCCCC	Cr			PASS
v10 - BBBCCCC	Tz			PASS
v10 - BBBCCCC	Cpk			PASS
v10 - BBBCCCC	%CV	89.527	89.527	PASS
v10 - BBBCCCC	Rule			PASS
v10 - BBBCCCC	S-mr	261.622	261.622	PASS
v10 - BBBCCCC	T-Dev			PASS
v10 - BBBCCCC	C-SD	456.346	456.346	PASS
v10 - BBBCCCC	+1.5S	1194.248	1194.248	PASS
v10 - BBBCCCC	C-AVG	509.729	509.729	PASS
v10 - BBBCCCC	-1.5S	-174.79	-174.79	PASS
v10 - BBBCCCC	M	473.71	473.71	PASS
v10 - BBBCCCC	OS%			PASS
v10 - BBBCCCC	CS%			PASS
v10 - BBBCCCC	R-AVG	346.213	346.213	PASS
v10 - BBBCCCC	R-UCL	1131.078	1131.078	PASS
v10 - BBBCCCC	R-UWL	738.646	738.646	PASS
v10 - BBBCCCC	R-LWL	-46.219	-46.219	PASS
v10 - BBBCCCC	Sum	50463.17	50463.17	PASS
v10 - BBBCCCC	LV	2188.27	2188.27	PASS
v10 - BBBCCCC	Sigma			PASS
v10 - BBBCCCC	CP			PASS
v10 - BBBCCCC	O < LWL%			PASS
v10 - BBBCCCC	O < LWL ppm			PASS
v10 - BBBCCCC	C < LWL%			PASS
v10 - BBBCCCC	C < LWL ppm			PASS
v10 - BBBCCCC	O < LCL%			PASS
v10 - BBBCCCC	O < LCL ppm			PASS
v10 - BBBCCCC	C < LCL%			PASS
v10 - BBBCCCC	C < LCL ppm			PASS
v10 - BBBCCCC	O<LWLn			PASS
v10 - BBBCCCC	C<LWLn			PASS
v10 - BBBCCCC	O<LCLn			PASS
v10 - BBBCCCC	C<LCLn			PASS
v10 - BBBCCCC	Osn			PASS
v10 - BBBCCCC	Csn			PASS
v10 - BBBCCCC	O<LSL%			PASS
v10 - BBBCCCC	O<LSLppm			PASS
v10 - BBBCCCC	O<LSLn			PASS
v10 - BBBCCCC	C<LSL%			PASS
v10 - BBBCCCC	C<LSLppm			PASS
v10 - BBBCCCC	C<LSLn			PASS

v10 - BBCCCC	O<TGT%			PASS
v10 - BBCCCC	O<TGTppm			PASS
v10 - BBCCCC	O<TGTn			PASS
v10 - BBCCCC	C<TGT%			PASS
v10 - BBCCCC	C<TGTppm			PASS
v10 - BBCCCC	C<TGTn			PASS
v10 - BBCCCC	O=TGT%			PASS
v10 - BBCCCC	O=TGTppm			PASS
v10 - BBCCCC	O=TGTn			PASS
v10 - BBCCCC	O>TGT%			PASS
v10 - BBCCCC	O>TGTppm			PASS
v10 - BBCCCC	O>TGTn			PASS
v10 - BBCCCC	C>TGT%			PASS
v10 - BBCCCC	C>TGTppm			PASS
v10 - BBCCCC	C>TGTn			PASS
v10 - BBCCCC	O>UWL%			PASS
v10 - BBCCCC	O>UWLppm			PASS
v10 - BBCCCC	O>UWLn			PASS
v10 - BBCCCC	C>UWL%			PASS
v10 - BBCCCC	C>UWLppm			PASS
v10 - BBCCCC	C>UWLn			PASS
v10 - BBCCCC	O>UCL%			PASS
v10 - BBCCCC	O>UCLppm			PASS
v10 - BBCCCC	O>UCLn			PASS
v10 - BBCCCC	C>UCL%			PASS
v10 - BBCCCC	C>UCLppm			PASS
v10 - BBCCCC	C>UCLn			PASS
v10 - BBCCCC	O>USL%			PASS
v10 - BBCCCC	O>USLppm			PASS
v10 - BBCCCC	O>USLn			PASS
v10 - BBCCCC	C>USL%			PASS
v10 - BBCCCC	C>USLppm			PASS
v10 - BBCCCC	C>USLn			PASS
v10 - BBCCCC	UCloPPM			PASS
v10 - BBCCCC	UClcPPM			PASS
v11 - FFFCFFF	N	99	99	PASS
v11 - FFFCFFF	S-pop	456.346	456.346	PASS
v11 - FFFCFFF	+4S	2335.114	2335.114	PASS
v11 - FFFCFFF	+3S	1878.768	1878.768	PASS
v11 - FFFCFFF	Avg	509.729	509.729	PASS
v11 - FFFCFFF	-3S	-859.31	-859.31	PASS
v11 - FFFCFFF	-4S	-1315.656	-1315.656	PASS
v11 - FFFCFFF	Max	2304.83	2304.83	PASS
v11 - FFFCFFF	Min	-860.08	-860.08	PASS
v11 - FFFCFFF	OSppm	60606	60606	PASS
v11 - FFFCFFF	CSppm	32900	32900	PASS
v11 - FFFCFFF	Cr	1.4	1.4	PASS
v11 - FFFCFFF	Tz			PASS
v11 - FFFCFFF	Cpk	0.7	0.7	PASS
v11 - FFFCFFF	%CV	89.527	89.527	PASS

v11 - FFFCFFF	Rule			PASS
v11 - FFFCFFF	S-mr	261.622	261.622	PASS
v11 - FFFCFFF	T-Dev			PASS
v11 - FFFCFFF	C-SD	456.346	456.346	PASS
v11 - FFFCFFF	+1.5S	1194.248	1194.248	PASS
v11 - FFFCFFF	C-AVG	509.729	509.729	PASS
v11 - FFFCFFF	-1.5S	-174.79	-174.79	PASS
v11 - FFFCFFF	M	473.71	473.71	PASS
v11 - FFFCFFF	OS%	6.061	6.061	PASS
v11 - FFFCFFF	CS%	3.29	3.29	PASS
v11 - FFFCFFF	R-AVG	346.213	346.213	PASS
v11 - FFFCFFF	R-UCL	1131.078	1131.078	PASS
v11 - FFFCFFF	R-UWL	738.646	738.646	PASS
v11 - FFFCFFF	R-LWL	-46.219	-46.219	PASS
v11 - FFFCFFF	Sum	50463.17	50463.17	PASS
v11 - FFFCFFF	LV	2188.27	2188.27	PASS
v11 - FFFCFFF	Sigma	4.3	4.3	PASS
v11 - FFFCFFF	CP	0.71	0.71	PASS
v11 - FFFCFFF	O < LWL%	10.101	10.101	PASS
v11 - FFFCFFF	O < LWL ppm	101010	101010	PASS
v11 - FFFCFFF	C < LWL%	21.77	21.77	PASS
v11 - FFFCFFF	C < LWL ppm	217700	217700	PASS
v11 - FFFCFFF	O < LCL%	3.03	3.03	PASS
v11 - FFFCFFF	O < LCL ppm	30303	30303	PASS
v11 - FFFCFFF	C < LCL%	13.14	13.14	PASS
v11 - FFFCFFF	C < LCL ppm	131400	131400	PASS
v11 - FFFCFFF	O<LWLn	10	10	PASS
v11 - FFFCFFF	C<LWLn	21.552	21.552	PASS
v11 - FFFCFFF	O<LCLn	3	3	PASS
v11 - FFFCFFF	C<LCLn	13.009	13.009	PASS
v11 - FFFCFFF	Osn	6	6	PASS
v11 - FFFCFFF	Csn	3.257	3.257	PASS
v11 - FFFCFFF	O<LSL%	2.02	2.02	PASS
v11 - FFFCFFF	O<LSLppm	20202	20202	PASS
v11 - FFFCFFF	O<LSLn	2	2	PASS
v11 - FFFCFFF	C<LSL%	1.79	1.79	PASS
v11 - FFFCFFF	C<LSLppm	17900	17900	PASS
v11 - FFFCFFF	C<LSLn	1.772	1.772	PASS
v11 - FFFCFFF	O<TGT%			PASS
v11 - FFFCFFF	O<TGTppm			PASS
v11 - FFFCFFF	O<TGTn			PASS
v11 - FFFCFFF	C<TGT%			PASS
v11 - FFFCFFF	C<TGTppm			PASS
v11 - FFFCFFF	C<TGTn			PASS
v11 - FFFCFFF	O=TGT%			PASS
v11 - FFFCFFF	O=TGTppm			PASS
v11 - FFFCFFF	O=TGTn			PASS
v11 - FFFCFFF	O>TGT%			PASS
v11 - FFFCFFF	O>TGTppm			PASS
v11 - FFFCFFF	O>TGTn			PASS

v11 - FFFCFFF	C>TGT%			PASS
v11 - FFFCFFF	C>TGTppm			PASS
v11 - FFFCFFF	C>TGTn			PASS
v11 - FFFCFFF	O>UWL%	20.202	20.202	PASS
v11 - FFFCFFF	O>UWLppm	202020	202020	PASS
v11 - FFFCFFF	O>UWLn	20	20	PASS
v11 - FFFCFFF	C>UWL%	31.92	31.92	PASS
v11 - FFFCFFF	C>UWLppm	319200	319200	PASS
v11 - FFFCFFF	C>UWLn	31.601	31.601	PASS
v11 - FFFCFFF	O>UCL%	5.051	5.051	PASS
v11 - FFFCFFF	O>UCLppm	50505	50505	PASS
v11 - FFFCFFF	O>UCLn	5	5	PASS
v11 - FFFCFFF	C>UCL%	14.23	14.23	PASS
v11 - FFFCFFF	C>UCLppm	142300	142300	PASS
v11 - FFFCFFF	C>UCLn	14.088	14.088	PASS
v11 - FFFCFFF	O>USL%	4.04	4.04	PASS
v11 - FFFCFFF	O>USLppm	40404	40404	PASS
v11 - FFFCFFF	O>USLn	4	4	PASS
v11 - FFFCFFF	C>USL%	1.5	1.5	PASS
v11 - FFFCFFF	C>USLppm	15000	15000	PASS
v11 - FFFCFFF	C>USLn	1.485	1.485	PASS
v11 - FFFCFFF	UCloPPM	121281	121281	PASS
v11 - FFFCFFF	UClcPPM	67788	67788	PASS
v12 - CCCFCCC	N	99	99	PASS
v12 - CCCFCCC	S-pop	456.346	456.346	PASS
v12 - CCCFCCC	+4S	2335.114	2335.114	PASS
v12 - CCCFCCC	+3S	1878.768	1878.768	PASS
v12 - CCCFCCC	Avg	509.729	509.729	PASS
v12 - CCCFCCC	-3S	-859.31	-859.31	PASS
v12 - CCCFCCC	-4S	-1315.656	-1315.656	PASS
v12 - CCCFCCC	Max	2304.83	2304.83	PASS
v12 - CCCFCCC	Min	-860.08	-860.08	PASS
v12 - CCCFCCC	OSppm			PASS
v12 - CCCFCCC	CSppm			PASS
v12 - CCCFCCC	Cr			PASS
v12 - CCCFCCC	Tz	0.1	0.1	PASS
v12 - CCCFCCC	Cpk			PASS
v12 - CCCFCCC	%CV	89.527	89.527	PASS
v12 - CCCFCCC	Rule			PASS
v12 - CCCFCCC	S-mr	261.622	261.622	PASS
v12 - CCCFCCC	T-Dev	59.729	59.729	PASS
v12 - CCCFCCC	C-SD	456.346	456.346	PASS
v12 - CCCFCCC	+1.5S	1194.248	1194.248	PASS
v12 - CCCFCCC	C-AVG	509.729	509.729	PASS
v12 - CCCFCCC	-1.5S	-174.79	-174.79	PASS
v12 - CCCFCCC	M	473.71	473.71	PASS
v12 - CCCFCCC	OS%			PASS
v12 - CCCFCCC	CS%			PASS
v12 - CCCFCCC	R-AVG	346.213	346.213	PASS
v12 - CCCFCCC	R-UCL	1131.078	1131.078	PASS

v12 - CCCFCCC	R-UWL	738.646	738.646	PASS
v12 - CCCFCCC	R-LWL	-46.219	-46.219	PASS
v12 - CCCFCCC	Sum	50463.17	50463.17	PASS
v12 - CCCFCCC	LV	2188.27	2188.27	PASS
v12 - CCCFCCC	Sigma			PASS
v12 - CCCFCCC	CP			PASS
v12 - CCCFCCC	O < LWL%			PASS
v12 - CCCFCCC	O < LWL ppm			PASS
v12 - CCCFCCC	C < LWL%			PASS
v12 - CCCFCCC	C < LWL ppm			PASS
v12 - CCCFCCC	O < LCL%			PASS
v12 - CCCFCCC	O < LCL ppm			PASS
v12 - CCCFCCC	C < LCL%			PASS
v12 - CCCFCCC	C < LCL ppm			PASS
v12 - CCCFCCC	O<LWLn			PASS
v12 - CCCFCCC	C<LWLn			PASS
v12 - CCCFCCC	O<LCLn			PASS
v12 - CCCFCCC	C<LCLn			PASS
v12 - CCCFCCC	Osn			PASS
v12 - CCCFCCC	Csn			PASS
v12 - CCCFCCC	O<LSL%			PASS
v12 - CCCFCCC	O<LSLppm			PASS
v12 - CCCFCCC	O<LSLn			PASS
v12 - CCCFCCC	C<LSL%			PASS
v12 - CCCFCCC	C<LSLppm			PASS
v12 - CCCFCCC	C<LSLn			PASS
v12 - CCCFCCC	O<TGT%	49.495	49.495	PASS
v12 - CCCFCCC	O<TGTppm	494949	494949	PASS
v12 - CCCFCCC	O<TGTn	49	49	PASS
v12 - CCCFCCC	C<TGT%	44.83	44.83	PASS
v12 - CCCFCCC	C<TGTppm	448300	448300	PASS
v12 - CCCFCCC	C<TGTn	44.382	44.382	PASS
v12 - CCCFCCC	O=TGT%	0	0	PASS
v12 - CCCFCCC	O=TGTppm	0	0	PASS
v12 - CCCFCCC	O=TGTn	0	0	PASS
v12 - CCCFCCC	O>TGT%	50.505	50.505	PASS
v12 - CCCFCCC	O>TGTppm	505051	505051	PASS
v12 - CCCFCCC	O>TGTn	50	50	PASS
v12 - CCCFCCC	C>TGT%	55.17	55.17	PASS
v12 - CCCFCCC	C>TGTppm	551700	551700	PASS
v12 - CCCFCCC	C>TGTn	54.618	54.618	PASS
v12 - CCCFCCC	O>UWL%			PASS
v12 - CCCFCCC	O>UWLppm			PASS
v12 - CCCFCCC	O>UWLn			PASS
v12 - CCCFCCC	C>UWL%			PASS
v12 - CCCFCCC	C>UWLppm			PASS
v12 - CCCFCCC	C>UWLn			PASS
v12 - CCCFCCC	O>UCL%			PASS
v12 - CCCFCCC	O>UCLppm			PASS
v12 - CCCFCCC	O>UCLn			PASS

v12 - CCCFCCC	C>UCL%			PASS
v12 - CCCFCCC	C>UCLppm			PASS
v12 - CCCFCCC	C>UCLn			PASS
v12 - CCCFCCC	O>USL%			PASS
v12 - CCCFCCC	O>USLppm			PASS
v12 - CCCFCCC	O>USLn			PASS
v12 - CCCFCCC	C>USL%			PASS
v12 - CCCFCCC	C>USLppm			PASS
v12 - CCCFCCC	C>USLn			PASS
v12 - CCCFCCC	UCIoPPM			PASS
v12 - CCCFCCC	UCIcPPM			PASS
v13 - FCFCFCF	N	99	99	PASS
v13 - FCFCFCF	S-pop	456.346	456.346	PASS
v13 - FCFCFCF	+4S	2335.114	2335.114	PASS
v13 - FCFCFCF	+3S	1878.768	1878.768	PASS
v13 - FCFCFCF	Avg	509.729	509.729	PASS
v13 - FCFCFCF	-3S	-859.31	-859.31	PASS
v13 - FCFCFCF	-4S	-1315.656	-1315.656	PASS
v13 - FCFCFCF	Max	2304.83	2304.83	PASS
v13 - FCFCFCF	Min	-860.08	-860.08	PASS
v13 - FCFCFCF	OSppm	60606	60606	PASS
v13 - FCFCFCF	CSppm	32900	32900	PASS
v13 - FCFCFCF	Cr	1.4	1.4	PASS
v13 - FCFCFCF	Tz			PASS
v13 - FCFCFCF	Cpk	0.7	0.7	PASS
v13 - FCFCFCF	%CV	89.527	89.527	PASS
v13 - FCFCFCF	Rule			PASS
v13 - FCFCFCF	S-mr	261.622	261.622	PASS
v13 - FCFCFCF	T-Dev			PASS
v13 - FCFCFCF	C-SD	456.346	456.346	PASS
v13 - FCFCFCF	+1.5S	1194.248	1194.248	PASS
v13 - FCFCFCF	C-AVG	509.729	509.729	PASS
v13 - FCFCFCF	-1.5S	-174.79	-174.79	PASS
v13 - FCFCFCF	M	473.71	473.71	PASS
v13 - FCFCFCF	OS%	6.061	6.061	PASS
v13 - FCFCFCF	CS%	3.29	3.29	PASS
v13 - FCFCFCF	R-AVG	346.213	346.213	PASS
v13 - FCFCFCF	R-UCL	1131.078	1131.078	PASS
v13 - FCFCFCF	R-UWL	738.646	738.646	PASS
v13 - FCFCFCF	R-LWL	-46.219	-46.219	PASS
v13 - FCFCFCF	Sum	50463.17	50463.17	PASS
v13 - FCFCFCF	LV	2188.27	2188.27	PASS
v13 - FCFCFCF	Sigma	4.3	4.3	PASS
v13 - FCFCFCF	CP	0.71	0.71	PASS
v13 - FCFCFCF	O < LWL%	10.101	10.101	PASS
v13 - FCFCFCF	O < LWL ppm	101010	101010	PASS
v13 - FCFCFCF	C < LWL%	21.77	21.77	PASS
v13 - FCFCFCF	C < LWL ppm	217700	217700	PASS
v13 - FCFCFCF	O < LCL%			PASS
v13 - FCFCFCF	O < LCL ppm			PASS

v13 - FCFCFCF	C < LCL%			PASS
v13 - FCFCFCF	C < LCL ppm			PASS
v13 - FCFCFCF	O<LWLn	10	10	PASS
v13 - FCFCFCF	C<LWLn	21.552	21.552	PASS
v13 - FCFCFCF	O<LCLn			PASS
v13 - FCFCFCF	C<LCLn			PASS
v13 - FCFCFCF	Osn	6	6	PASS
v13 - FCFCFCF	Csn	3.257	3.257	PASS
v13 - FCFCFCF	O<LSL%	2.02	2.02	PASS
v13 - FCFCFCF	O<LSLppm	20202	20202	PASS
v13 - FCFCFCF	O<LSLn	2	2	PASS
v13 - FCFCFCF	C<LSL%	1.79	1.79	PASS
v13 - FCFCFCF	C<LSLppm	17900	17900	PASS
v13 - FCFCFCF	C<LSLn	1.772	1.772	PASS
v13 - FCFCFCF	O<TGT%			PASS
v13 - FCFCFCF	O<TGTppm			PASS
v13 - FCFCFCF	O<TGTn			PASS
v13 - FCFCFCF	C<TGT%			PASS
v13 - FCFCFCF	C<TGTppm			PASS
v13 - FCFCFCF	C<TGTn			PASS
v13 - FCFCFCF	O=TGT%			PASS
v13 - FCFCFCF	O=TGTppm			PASS
v13 - FCFCFCF	O=TGTn			PASS
v13 - FCFCFCF	O>TGT%			PASS
v13 - FCFCFCF	O>TGTppm			PASS
v13 - FCFCFCF	O>TGTn			PASS
v13 - FCFCFCF	C>TGT%			PASS
v13 - FCFCFCF	C>TGTppm			PASS
v13 - FCFCFCF	C>TGTn			PASS
v13 - FCFCFCF	O>UWL%	20.202	20.202	PASS
v13 - FCFCFCF	O>UWLppm	202020	202020	PASS
v13 - FCFCFCF	O>UWLn	20	20	PASS
v13 - FCFCFCF	C>UWL%	31.92	31.92	PASS
v13 - FCFCFCF	C>UWLppm	319200	319200	PASS
v13 - FCFCFCF	C>UWLn	31.601	31.601	PASS
v13 - FCFCFCF	O>UCL%			PASS
v13 - FCFCFCF	O>UCLppm			PASS
v13 - FCFCFCF	O>UCLn			PASS
v13 - FCFCFCF	C>UCL%			PASS
v13 - FCFCFCF	C>UCLppm			PASS
v13 - FCFCFCF	C>UCLn			PASS
v13 - FCFCFCF	O>USL%	4.04	4.04	PASS
v13 - FCFCFCF	O>USLppm	40404	40404	PASS
v13 - FCFCFCF	O>USLn	4	4	PASS
v13 - FCFCFCF	C>USL%	1.5	1.5	PASS
v13 - FCFCFCF	C>USLppm	15000	15000	PASS
v13 - FCFCFCF	C>USLn	1.485	1.485	PASS
v13 - FCFCFCF	UCIoPPM	121281	121281	PASS
v13 - FCFCFCF	UCIcPPM	67788	67788	PASS
v14 - CFCFCFCF	N	99	99	PASS

v14 - CFCFCFC	S-pop	456.346	456.346	PASS
v14 - CFCFCFC	+4S	2335.114	2335.114	PASS
v14 - CFCFCFC	+3S	1878.768	1878.768	PASS
v14 - CFCFCFC	Avg	509.729	509.729	PASS
v14 - CFCFCFC	-3S	-859.31	-859.31	PASS
v14 - CFCFCFC	-4S	-1315.656	-1315.656	PASS
v14 - CFCFCFC	Max	2304.83	2304.83	PASS
v14 - CFCFCFC	Min	-860.08	-860.08	PASS
v14 - CFCFCFC	OSppm			PASS
v14 - CFCFCFC	CSppm			PASS
v14 - CFCFCFC	Cr			PASS
v14 - CFCFCFC	Tz	0.1	0.1	PASS
v14 - CFCFCFC	Cpk			PASS
v14 - CFCFCFC	%CV	89.527	89.527	PASS
v14 - CFCFCFC	Rule			PASS
v14 - CFCFCFC	S-mr	261.622	261.622	PASS
v14 - CFCFCFC	T-Dev	59.729	59.729	PASS
v14 - CFCFCFC	C-SD	456.346	456.346	PASS
v14 - CFCFCFC	+1.5S	1194.248	1194.248	PASS
v14 - CFCFCFC	C-AVG	509.729	509.729	PASS
v14 - CFCFCFC	-1.5S	-174.79	-174.79	PASS
v14 - CFCFCFC	M	473.71	473.71	PASS
v14 - CFCFCFC	OS%			PASS
v14 - CFCFCFC	CS%			PASS
v14 - CFCFCFC	R-AVG	346.213	346.213	PASS
v14 - CFCFCFC	R-UCL	1131.078	1131.078	PASS
v14 - CFCFCFC	R-UWL	738.646	738.646	PASS
v14 - CFCFCFC	R-LWL	-46.219	-46.219	PASS
v14 - CFCFCFC	Sum	50463.17	50463.17	PASS
v14 - CFCFCFC	LV	2188.27	2188.27	PASS
v14 - CFCFCFC	Sigma			PASS
v14 - CFCFCFC	CP			PASS
v14 - CFCFCFC	O < LWL%			PASS
v14 - CFCFCFC	O < LWL ppm			PASS
v14 - CFCFCFC	C < LWL%			PASS
v14 - CFCFCFC	C < LWL ppm			PASS
v14 - CFCFCFC	O < LCL%	3.03	3.03	PASS
v14 - CFCFCFC	O < LCL ppm	30303	30303	PASS
v14 - CFCFCFC	C < LCL%	13.14	13.14	PASS
v14 - CFCFCFC	C < LCL ppm	131400	131400	PASS
v14 - CFCFCFC	O<LWLn			PASS
v14 - CFCFCFC	C<LWLn			PASS
v14 - CFCFCFC	O<LCLn	3	3	PASS
v14 - CFCFCFC	C<LCLn	13.009	13.009	PASS
v14 - CFCFCFC	Osn			PASS
v14 - CFCFCFC	Csn			PASS
v14 - CFCFCFC	O<LSL%			PASS
v14 - CFCFCFC	O<LSLppm			PASS
v14 - CFCFCFC	O<LSLn			PASS
v14 - CFCFCFC	C<LSL%			PASS

v14 - CFCFCFC	C<LSLppm			PASS
v14 - CFCFCFC	C<LSLn			PASS
v14 - CFCFCFC	O<TGT%	49.495	49.495	PASS
v14 - CFCFCFC	O<TGTppm	494949	494949	PASS
v14 - CFCFCFC	O<TGTn	49	49	PASS
v14 - CFCFCFC	C<TGT%	44.83	44.83	PASS
v14 - CFCFCFC	C<TGTppm	448300	448300	PASS
v14 - CFCFCFC	C<TGTn	44.382	44.382	PASS
v14 - CFCFCFC	O=TGT%	0	0	PASS
v14 - CFCFCFC	O=TGTppm	0	0	PASS
v14 - CFCFCFC	O=TGTn	0	0	PASS
v14 - CFCFCFC	O>TGT%	50.505	50.505	PASS
v14 - CFCFCFC	O>TGTppm	505051	505051	PASS
v14 - CFCFCFC	O>TGTn	50	50	PASS
v14 - CFCFCFC	C>TGT%	55.17	55.17	PASS
v14 - CFCFCFC	C>TGTppm	551700	551700	PASS
v14 - CFCFCFC	C>TGTn	54.618	54.618	PASS
v14 - CFCFCFC	O>UWL%			PASS
v14 - CFCFCFC	O>UWLppm			PASS
v14 - CFCFCFC	O>UWLn			PASS
v14 - CFCFCFC	C>UWL%			PASS
v14 - CFCFCFC	C>UWLppm			PASS
v14 - CFCFCFC	C>UWLn			PASS
v14 - CFCFCFC	O>UCL%	5.051	5.051	PASS
v14 - CFCFCFC	O>UCLppm	50505	50505	PASS
v14 - CFCFCFC	O>UCLn	5	5	PASS
v14 - CFCFCFC	C>UCL%	14.23	14.23	PASS
v14 - CFCFCFC	C>UCLppm	142300	142300	PASS
v14 - CFCFCFC	C>UCLn	14.088	14.088	PASS
v14 - CFCFCFC	O>USL%			PASS
v14 - CFCFCFC	O>USLppm			PASS
v14 - CFCFCFC	O>USLn			PASS
v14 - CFCFCFC	C>USL%			PASS
v14 - CFCFCFC	C>USLppm			PASS
v14 - CFCFCFC	C>USLn			PASS
v14 - CFCFCFC	UCloPPM			PASS
v14 - CFCFCFC	UClcPPM			PASS
v15 - BFFFFFF	N	99	99	PASS
v15 - BFFFFFF	S-pop	456.346	456.346	PASS
v15 - BFFFFFF	+4S	2335.114	2335.114	PASS
v15 - BFFFFFF	+3S	1878.768	1878.768	PASS
v15 - BFFFFFF	Avg	509.729	509.729	PASS
v15 - BFFFFFF	-3S	-859.31	-859.31	PASS
v15 - BFFFFFF	-4S	-1315.656	-1315.656	PASS
v15 - BFFFFFF	Max	2304.83	2304.83	PASS
v15 - BFFFFFF	Min	-860.08	-860.08	PASS
v15 - BFFFFFF	OSppm	20202	20202	PASS
v15 - BFFFFFF	CSppm	17900	17900	PASS
v15 - BFFFFFF	Cr	1.52	1.52	PASS
v15 - BFFFFFF	Tz	0.1	0.1	PASS

v15 - BFFFFFFF	Cpk	0.7	0.7	PASS
v15 - BFFFFFFF	%CV	89.527	89.527	PASS
v15 - BFFFFFFF	Rule			PASS
v15 - BFFFFFFF	S-mr	261.622	261.622	PASS
v15 - BFFFFFFF	T-Dev	59.729	59.729	PASS
v15 - BFFFFFFF	C-SD	456.346	456.346	PASS
v15 - BFFFFFFF	+1.5S	1194.248	1194.248	PASS
v15 - BFFFFFFF	C-AVG	509.729	509.729	PASS
v15 - BFFFFFFF	-1.5S	-174.79	-174.79	PASS
v15 - BFFFFFFF	M	473.71	473.71	PASS
v15 - BFFFFFFF	OS%	2.02	2.02	PASS
v15 - BFFFFFFF	CS%	1.79	1.79	PASS
v15 - BFFFFFFF	R-AVG	346.213	346.213	PASS
v15 - BFFFFFFF	R-UCL	1131.078	1131.078	PASS
v15 - BFFFFFFF	R-UWL	738.646	738.646	PASS
v15 - BFFFFFFF	R-LWL	-46.219	-46.219	PASS
v15 - BFFFFFFF	Sum	50463.17	50463.17	PASS
v15 - BFFFFFFF	LV	2188.27	2188.27	PASS
v15 - BFFFFFFF	Sigma	3.9	3.9	PASS
v15 - BFFFFFFF	CP	0.66	0.66	PASS
v15 - BFFFFFFF	O < LWL%	10.101	10.101	PASS
v15 - BFFFFFFF	O < LWL ppm	101010	101010	PASS
v15 - BFFFFFFF	C < LWL%	21.77	21.77	PASS
v15 - BFFFFFFF	C < LWL ppm	217700	217700	PASS
v15 - BFFFFFFF	O < LCL%	3.03	3.03	PASS
v15 - BFFFFFFF	O < LCL ppm	30303	30303	PASS
v15 - BFFFFFFF	C < LCL%	13.14	13.14	PASS
v15 - BFFFFFFF	C < LCL ppm	131400	131400	PASS
v15 - BFFFFFFF	O<LWLn	10	10	PASS
v15 - BFFFFFFF	C<LWLn	21.552	21.552	PASS
v15 - BFFFFFFF	O<LCLn	3	3	PASS
v15 - BFFFFFFF	C<LCLn	13.009	13.009	PASS
v15 - BFFFFFFF	Osn	2	2	PASS
v15 - BFFFFFFF	Csn	1.772	1.772	PASS
v15 - BFFFFFFF	O<LSL%	2.02	2.02	PASS
v15 - BFFFFFFF	O<LSLppm	20202	20202	PASS
v15 - BFFFFFFF	O<LSLn	2	2	PASS
v15 - BFFFFFFF	C<LSL%	1.79	1.79	PASS
v15 - BFFFFFFF	C<LSLppm	17900	17900	PASS
v15 - BFFFFFFF	C<LSLn	1.772	1.772	PASS
v15 - BFFFFFFF	O<TGT%	49.495	49.495	PASS
v15 - BFFFFFFF	O<TGTppm	494949	494949	PASS
v15 - BFFFFFFF	O<TGTn	49	49	PASS
v15 - BFFFFFFF	C<TGT%	44.83	44.83	PASS
v15 - BFFFFFFF	C<TGTppm	448300	448300	PASS
v15 - BFFFFFFF	C<TGTn	44.382	44.382	PASS
v15 - BFFFFFFF	O=TGT%	0	0	PASS
v15 - BFFFFFFF	O=TGTppm	0	0	PASS
v15 - BFFFFFFF	O=TGTn	0	0	PASS
v15 - BFFFFFFF	O>TGT%	50.505	50.505	PASS

v15 - BFFFFFFF	O>TGTppm	505051	505051	PASS
v15 - BFFFFFFF	O>TGTn	50	50	PASS
v15 - BFFFFFFF	C>TGT%	55.17	55.17	PASS
v15 - BFFFFFFF	C>TGTppm	551700	551700	PASS
v15 - BFFFFFFF	C>TGTn	54.618	54.618	PASS
v15 - BFFFFFFF	O>UWL%	20.202	20.202	PASS
v15 - BFFFFFFF	O>UWLppm	202020	202020	PASS
v15 - BFFFFFFF	O>UWLn	20	20	PASS
v15 - BFFFFFFF	C>UWL%	31.92	31.92	PASS
v15 - BFFFFFFF	C>UWLppm	319200	319200	PASS
v15 - BFFFFFFF	C>UWLn	31.601	31.601	PASS
v15 - BFFFFFFF	O>UCL%	5.051	5.051	PASS
v15 - BFFFFFFF	O>UCLppm	50505	50505	PASS
v15 - BFFFFFFF	O>UCLn	5	5	PASS
v15 - BFFFFFFF	C>UCL%	14.23	14.23	PASS
v15 - BFFFFFFF	C>UCLppm	142300	142300	PASS
v15 - BFFFFFFF	C>UCLn	14.088	14.088	PASS
v15 - BFFFFFFF	O>USL%			PASS
v15 - BFFFFFFF	O>USLppm			PASS
v15 - BFFFFFFF	O>USLn			PASS
v15 - BFFFFFFF	C>USL%			PASS
v15 - BFFFFFFF	C>USLppm			PASS
v15 - BFFFFFFF	C>USLn			PASS
v15 - BFFFFFFF	UCloPPM	63028	63028	PASS
v15 - BFFFFFFF	UClcPPM	35927	35927	PASS
v16 - FBFFFFFF	N	99	99	PASS
v16 - FBFFFFFF	S-pop	456.346	456.346	PASS
v16 - FBFFFFFF	+4S	2335.114	2335.114	PASS
v16 - FBFFFFFF	+3S	1878.768	1878.768	PASS
v16 - FBFFFFFF	Avg	509.729	509.729	PASS
v16 - FBFFFFFF	-3S	-859.31	-859.31	PASS
v16 - FBFFFFFF	-4S	-1315.656	-1315.656	PASS
v16 - FBFFFFFF	Max	2304.83	2304.83	PASS
v16 - FBFFFFFF	Min	-860.08	-860.08	PASS
v16 - FBFFFFFF	OSppm	60606	60606	PASS
v16 - FBFFFFFF	CSppm	32900	32900	PASS
v16 - FBFFFFFF	Cr	1.4	1.4	PASS
v16 - FBFFFFFF	Tz	0.1	0.1	PASS
v16 - FBFFFFFF	Cpk	0.7	0.7	PASS
v16 - FBFFFFFF	%CV	89.527	89.527	PASS
v16 - FBFFFFFF	Rule			PASS
v16 - FBFFFFFF	S-mr	261.622	261.622	PASS
v16 - FBFFFFFF	T-Dev	59.729	59.729	PASS
v16 - FBFFFFFF	C-SD	456.346	456.346	PASS
v16 - FBFFFFFF	+1.5S	1194.248	1194.248	PASS
v16 - FBFFFFFF	C-AVG	509.729	509.729	PASS
v16 - FBFFFFFF	-1.5S	-174.79	-174.79	PASS
v16 - FBFFFFFF	M	473.71	473.71	PASS
v16 - FBFFFFFF	OS%	6.061	6.061	PASS
v16 - FBFFFFFF	CS%	3.29	3.29	PASS

v16 - FBFFFFFF	R-AVG	346.213	346.213	PASS
v16 - FBFFFFFF	R-UCL	1131.078	1131.078	PASS
v16 - FBFFFFFF	R-UWL	738.646	738.646	PASS
v16 - FBFFFFFF	R-LWL	-46.219	-46.219	PASS
v16 - FBFFFFFF	Sum	50463.17	50463.17	PASS
v16 - FBFFFFFF	LV	2188.27	2188.27	PASS
v16 - FBFFFFFF	Sigma	4.3	4.3	PASS
v16 - FBFFFFFF	CP	0.71	0.71	PASS
v16 - FBFFFFFF	O < LWL%	10.101	10.101	PASS
v16 - FBFFFFFF	O < LWL ppm	101010	101010	PASS
v16 - FBFFFFFF	C < LWL%	21.77	21.77	PASS
v16 - FBFFFFFF	C < LWL ppm	217700	217700	PASS
v16 - FBFFFFFF	O < LCL%	3.03	3.03	PASS
v16 - FBFFFFFF	O < LCL ppm	30303	30303	PASS
v16 - FBFFFFFF	C < LCL%	13.14	13.14	PASS
v16 - FBFFFFFF	C < LCL ppm	131400	131400	PASS
v16 - FBFFFFFF	O<LWLn	10	10	PASS
v16 - FBFFFFFF	C<LWLn	21.552	21.552	PASS
v16 - FBFFFFFF	O<LCLn	3	3	PASS
v16 - FBFFFFFF	C<LCLn	13.009	13.009	PASS
v16 - FBFFFFFF	Osn	6	6	PASS
v16 - FBFFFFFF	Csn	3.257	3.257	PASS
v16 - FBFFFFFF	O<LSL%	2.02	2.02	PASS
v16 - FBFFFFFF	O<LSLppm	20202	20202	PASS
v16 - FBFFFFFF	O<LSLn	2	2	PASS
v16 - FBFFFFFF	C<LSL%	1.79	1.79	PASS
v16 - FBFFFFFF	C<LSLppm	17900	17900	PASS
v16 - FBFFFFFF	C<LSLn	1.772	1.772	PASS
v16 - FBFFFFFF	O<TGT%	49.495	49.495	PASS
v16 - FBFFFFFF	O<TGTppm	494949	494949	PASS
v16 - FBFFFFFF	O<TGTn	49	49	PASS
v16 - FBFFFFFF	C<TGT%	44.83	44.83	PASS
v16 - FBFFFFFF	C<TGTppm	448300	448300	PASS
v16 - FBFFFFFF	C<TGTn	44.382	44.382	PASS
v16 - FBFFFFFF	O=TGT%	0	0	PASS
v16 - FBFFFFFF	O=TGTppm	0	0	PASS
v16 - FBFFFFFF	O=TGTn	0	0	PASS
v16 - FBFFFFFF	O>TGT%	50.505	50.505	PASS
v16 - FBFFFFFF	O>TGTppm	505051	505051	PASS
v16 - FBFFFFFF	O>TGTn	50	50	PASS
v16 - FBFFFFFF	C>TGT%	55.17	55.17	PASS
v16 - FBFFFFFF	C>TGTppm	551700	551700	PASS
v16 - FBFFFFFF	C>TGTn	54.618	54.618	PASS
v16 - FBFFFFFF	O>UWL%	20.202	20.202	PASS
v16 - FBFFFFFF	O>UWLppm	202020	202020	PASS
v16 - FBFFFFFF	O>UWLn	20	20	PASS
v16 - FBFFFFFF	C>UWL%	31.92	31.92	PASS
v16 - FBFFFFFF	C>UWLppm	319200	319200	PASS
v16 - FBFFFFFF	C>UWLn	31.601	31.601	PASS
v16 - FBFFFFFF	O>UCL%			PASS

v16 - FBFFFFFF	O>UCLppm			PASS
v16 - FBFFFFFF	O>UCLn			PASS
v16 - FBFFFFFF	C>UCL%			PASS
v16 - FBFFFFFF	C>UCLppm			PASS
v16 - FBFFFFFF	C>UCLn			PASS
v16 - FBFFFFFF	O>USL%	4.04	4.04	PASS
v16 - FBFFFFFF	O>USLppm	40404	40404	PASS
v16 - FBFFFFFF	O>USLn	4	4	PASS
v16 - FBFFFFFF	C>USL%	1.5	1.5	PASS
v16 - FBFFFFFF	C>USLppm	15000	15000	PASS
v16 - FBFFFFFF	C>USLn	1.485	1.485	PASS
v16 - FBFFFFFF	UCloPPM	121281	121281	PASS
v16 - FBFFFFFF	UClcPPM	67788	67788	PASS
v17 - FFBFFFF	N	99	99	PASS
v17 - FFBFFFF	S-pop	456.346	456.346	PASS
v17 - FFBFFFF	+4S	2335.114	2335.114	PASS
v17 - FFBFFFF	+3S	1878.768	1878.768	PASS
v17 - FFBFFFF	Avg	509.729	509.729	PASS
v17 - FFBFFFF	-3S	-859.31	-859.31	PASS
v17 - FFBFFFF	-4S	-1315.656	-1315.656	PASS
v17 - FFBFFFF	Max	2304.83	2304.83	PASS
v17 - FFBFFFF	Min	-860.08	-860.08	PASS
v17 - FFBFFFF	OSppm	60606	60606	PASS
v17 - FFBFFFF	CSppm	32900	32900	PASS
v17 - FFBFFFF	Cr	1.4	1.4	PASS
v17 - FFBFFFF	Tz	0.1	0.1	PASS
v17 - FFBFFFF	Cpk	0.7	0.7	PASS
v17 - FFBFFFF	%CV	89.527	89.527	PASS
v17 - FFBFFFF	Rule			PASS
v17 - FFBFFFF	S-mr	261.622	261.622	PASS
v17 - FFBFFFF	T-Dev	59.729	59.729	PASS
v17 - FFBFFFF	C-SD	456.346	456.346	PASS
v17 - FFBFFFF	+1.5S	1194.248	1194.248	PASS
v17 - FFBFFFF	C-AVG	509.729	509.729	PASS
v17 - FFBFFFF	-1.5S	-174.79	-174.79	PASS
v17 - FFBFFFF	M	473.71	473.71	PASS
v17 - FFBFFFF	OS%	6.061	6.061	PASS
v17 - FFBFFFF	CS%	3.29	3.29	PASS
v17 - FFBFFFF	R-AVG	346.213	346.213	PASS
v17 - FFBFFFF	R-UCL	1131.078	1131.078	PASS
v17 - FFBFFFF	R-UWL	738.646	738.646	PASS
v17 - FFBFFFF	R-LWL	-46.219	-46.219	PASS
v17 - FFBFFFF	Sum	50463.17	50463.17	PASS
v17 - FFBFFFF	LV	2188.27	2188.27	PASS
v17 - FFBFFFF	Sigma	4.3	4.3	PASS
v17 - FFBFFFF	CP	0.71	0.71	PASS
v17 - FFBFFFF	O < LWL%	10.101	10.101	PASS
v17 - FFBFFFF	O < LWL ppm	101010	101010	PASS
v17 - FFBFFFF	C < LWL%	21.77	21.77	PASS
v17 - FFBFFFF	C < LWL ppm	217700	217700	PASS

v17 - FFBFFFF	O < LCL%	3.03	3.03	PASS
v17 - FFBFFFF	O < LCL ppm	30303	30303	PASS
v17 - FFBFFFF	C < LCL%	13.14	13.14	PASS
v17 - FFBFFFF	C < LCL ppm	131400	131400	PASS
v17 - FFBFFFF	O<LWLn	10	10	PASS
v17 - FFBFFFF	C<LWLn	21.552	21.552	PASS
v17 - FFBFFFF	O<LCLn	3	3	PASS
v17 - FFBFFFF	C<LCLn	13.009	13.009	PASS
v17 - FFBFFFF	Osn	6	6	PASS
v17 - FFBFFFF	Csn	3.257	3.257	PASS
v17 - FFBFFFF	O<LSL%	2.02	2.02	PASS
v17 - FFBFFFF	O<LSLppm	20202	20202	PASS
v17 - FFBFFFF	O<LSLn	2	2	PASS
v17 - FFBFFFF	C<LSL%	1.79	1.79	PASS
v17 - FFBFFFF	C<LSLppm	17900	17900	PASS
v17 - FFBFFFF	C<LSLn	1.772	1.772	PASS
v17 - FFBFFFF	O>TGT%	49.495	49.495	PASS
v17 - FFBFFFF	O>TGTppm	494949	494949	PASS
v17 - FFBFFFF	O>TGTn	49	49	PASS
v17 - FFBFFFF	C>TGT%	44.83	44.83	PASS
v17 - FFBFFFF	C>TGTppm	448300	448300	PASS
v17 - FFBFFFF	C>TGTn	44.382	44.382	PASS
v17 - FFBFFFF	O=TGT%	0	0	PASS
v17 - FFBFFFF	O=TGTppm	0	0	PASS
v17 - FFBFFFF	O=TGTn	0	0	PASS
v17 - FFBFFFF	O>TGT%	50.505	50.505	PASS
v17 - FFBFFFF	O>TGTppm	505051	505051	PASS
v17 - FFBFFFF	O>TGTn	50	50	PASS
v17 - FFBFFFF	C>TGT%	55.17	55.17	PASS
v17 - FFBFFFF	C>TGTppm	551700	551700	PASS
v17 - FFBFFFF	C>TGTn	54.618	54.618	PASS
v17 - FFBFFFF	O>UWL%			PASS
v17 - FFBFFFF	O>UWLppm			PASS
v17 - FFBFFFF	O>UWLn			PASS
v17 - FFBFFFF	C>UWL%			PASS
v17 - FFBFFFF	C>UWLppm			PASS
v17 - FFBFFFF	C>UWLn			PASS
v17 - FFBFFFF	O>UCL%	5.051	5.051	PASS
v17 - FFBFFFF	O>UCLppm	50505	50505	PASS
v17 - FFBFFFF	O>UCLn	5	5	PASS
v17 - FFBFFFF	C>UCL%	14.23	14.23	PASS
v17 - FFBFFFF	C>UCLppm	142300	142300	PASS
v17 - FFBFFFF	C>UCLn	14.088	14.088	PASS
v17 - FFBFFFF	O>USL%	4.04	4.04	PASS
v17 - FFBFFFF	O>USLppm	40404	40404	PASS
v17 - FFBFFFF	O>USLn	4	4	PASS
v17 - FFBFFFF	C>USL%	1.5	1.5	PASS
v17 - FFBFFFF	C>USLppm	15000	15000	PASS
v17 - FFBFFFF	C>USLn	1.485	1.485	PASS
v17 - FFBFFFF	UCIoPPM	121281	121281	PASS

v17 - FFBFFFF	UCIcPPM	67788	67788	PASS
v18 - FFFBFFF	N	99	99	PASS
v18 - FFFBFFF	S-pop	456.346	456.346	PASS
v18 - FFFBFFF	+4S	2335.114	2335.114	PASS
v18 - FFFBFFF	+3S	1878.768	1878.768	PASS
v18 - FFFBFFF	Avg	509.729	509.729	PASS
v18 - FFFBFFF	-3S	-859.31	-859.31	PASS
v18 - FFFBFFF	-4S	-1315.656	-1315.656	PASS
v18 - FFFBFFF	Max	2304.83	2304.83	PASS
v18 - FFFBFFF	Min	-860.08	-860.08	PASS
v18 - FFFBFFF	OSppm	60606	60606	PASS
v18 - FFFBFFF	CSppm	32900	32900	PASS
v18 - FFFBFFF	Cr	1.4	1.4	PASS
v18 - FFFBFFF	Tz			PASS
v18 - FFFBFFF	Cpk	0.7	0.7	PASS
v18 - FFFBFFF	%CV	89.527	89.527	PASS
v18 - FFFBFFF	Rule			PASS
v18 - FFFBFFF	S-mr	261.622	261.622	PASS
v18 - FFFBFFF	T-Dev			PASS
v18 - FFFBFFF	C-SD	456.346	456.346	PASS
v18 - FFFBFFF	+1.5S	1194.248	1194.248	PASS
v18 - FFFBFFF	C-AVG	509.729	509.729	PASS
v18 - FFFBFFF	-1.5S	-174.79	-174.79	PASS
v18 - FFFBFFF	M	473.71	473.71	PASS
v18 - FFFBFFF	OS%	6.061	6.061	PASS
v18 - FFFBFFF	CS%	3.29	3.29	PASS
v18 - FFFBFFF	R-AVG	346.213	346.213	PASS
v18 - FFFBFFF	R-UCL	1131.078	1131.078	PASS
v18 - FFFBFFF	R-UWL	738.646	738.646	PASS
v18 - FFFBFFF	R-LWL	-46.219	-46.219	PASS
v18 - FFFBFFF	Sum	50463.17	50463.17	PASS
v18 - FFFBFFF	LV	2188.27	2188.27	PASS
v18 - FFFBFFF	Sigma	4.3	4.3	PASS
v18 - FFFBFFF	CP	0.71	0.71	PASS
v18 - FFFBFFF	O < LWL%	10.101	10.101	PASS
v18 - FFFBFFF	O < LWL ppm	101010	101010	PASS
v18 - FFFBFFF	C < LWL%	21.77	21.77	PASS
v18 - FFFBFFF	C < LWL ppm	217700	217700	PASS
v18 - FFFBFFF	O < LCL%	3.03	3.03	PASS
v18 - FFFBFFF	O < LCL ppm	30303	30303	PASS
v18 - FFFBFFF	C < LCL%	13.14	13.14	PASS
v18 - FFFBFFF	C < LCL ppm	131400	131400	PASS
v18 - FFFBFFF	O<LWLn	10	10	PASS
v18 - FFFBFFF	C<LWLn	21.552	21.552	PASS
v18 - FFFBFFF	O<LCLn	3	3	PASS
v18 - FFFBFFF	C<LCLn	13.009	13.009	PASS
v18 - FFFBFFF	Osn	6	6	PASS
v18 - FFFBFFF	Csn	3.257	3.257	PASS
v18 - FFFBFFF	O<LSL%	2.02	2.02	PASS
v18 - FFFBFFF	O<LSLppm	20202	20202	PASS

v18 - FFFBFFF	O<LSLn	2	2	PASS
v18 - FFFBFFF	C<LSL%	1.79	1.79	PASS
v18 - FFFBFFF	C<LSLppm	17900	17900	PASS
v18 - FFFBFFF	C<LSLn	1.772	1.772	PASS
v18 - FFFBFFF	O<TGT%			PASS
v18 - FFFBFFF	O<TGTppm			PASS
v18 - FFFBFFF	O<TGTn			PASS
v18 - FFFBFFF	C<TGT%			PASS
v18 - FFFBFFF	C<TGTppm			PASS
v18 - FFFBFFF	C<TGTn			PASS
v18 - FFFBFFF	O=TGT%			PASS
v18 - FFFBFFF	O=TGTppm			PASS
v18 - FFFBFFF	O=TGTn			PASS
v18 - FFFBFFF	O>TGT%			PASS
v18 - FFFBFFF	O>TGTppm			PASS
v18 - FFFBFFF	O>TGTn			PASS
v18 - FFFBFFF	C>TGT%			PASS
v18 - FFFBFFF	C>TGTppm			PASS
v18 - FFFBFFF	C>TGTn			PASS
v18 - FFFBFFF	O>UWL%	20.202	20.202	PASS
v18 - FFFBFFF	O>UWLppm	202020	202020	PASS
v18 - FFFBFFF	O>UWLn	20	20	PASS
v18 - FFFBFFF	C>UWL%	31.92	31.92	PASS
v18 - FFFBFFF	C>UWLppm	319200	319200	PASS
v18 - FFFBFFF	C>UWLn	31.601	31.601	PASS
v18 - FFFBFFF	O>UCL%	5.051	5.051	PASS
v18 - FFFBFFF	O>UCLppm	50505	50505	PASS
v18 - FFFBFFF	O>UCLn	5	5	PASS
v18 - FFFBFFF	C>UCL%	14.23	14.23	PASS
v18 - FFFBFFF	C>UCLppm	142300	142300	PASS
v18 - FFFBFFF	C>UCLn	14.088	14.088	PASS
v18 - FFFBFFF	O>USL%	4.04	4.04	PASS
v18 - FFFBFFF	O>USLppm	40404	40404	PASS
v18 - FFFBFFF	O>USLn	4	4	PASS
v18 - FFFBFFF	C>USL%	1.5	1.5	PASS
v18 - FFFBFFF	C>USLppm	15000	15000	PASS
v18 - FFFBFFF	C>USLn	1.485	1.485	PASS
v18 - FFFBFFF	UCIoPPM	121281	121281	PASS
v18 - FFFBFFF	UCIcPPM	67788	67788	PASS
v19 - FFFFBFF	N	99	99	PASS
v19 - FFFFBFF	S-pop	456.346	456.346	PASS
v19 - FFFFBFF	+4S	2335.114	2335.114	PASS
v19 - FFFFBFF	+3S	1878.768	1878.768	PASS
v19 - FFFFBFF	Avg	509.729	509.729	PASS
v19 - FFFFBFF	-3S	-859.31	-859.31	PASS
v19 - FFFFBFF	-4S	-1315.656	-1315.656	PASS
v19 - FFFFBFF	Max	2304.83	2304.83	PASS
v19 - FFFFBFF	Min	-860.08	-860.08	PASS
v19 - FFFFBFF	OSppm	60606	60606	PASS
v19 - FFFFBFF	CSppm	32900	32900	PASS

v19 - FFFFBFF	Cr	1.4	1.4	PASS
v19 - FFFFBFF	Tz	0.1	0.1	PASS
v19 - FFFFBFF	Cpk	0.7	0.7	PASS
v19 - FFFFBFF	%CV	89.527	89.527	PASS
v19 - FFFFBFF	Rule			PASS
v19 - FFFFBFF	S-mr	261.622	261.622	PASS
v19 - FFFFBFF	T-Dev	59.729	59.729	PASS
v19 - FFFFBFF	C-SD	456.346	456.346	PASS
v19 - FFFFBFF	+1.5S	1194.248	1194.248	PASS
v19 - FFFFBFF	C-AVG	509.729	509.729	PASS
v19 - FFFFBFF	-1.5S	-174.79	-174.79	PASS
v19 - FFFFBFF	M	473.71	473.71	PASS
v19 - FFFFBFF	OS%	6.061	6.061	PASS
v19 - FFFFBFF	CS%	3.29	3.29	PASS
v19 - FFFFBFF	R-AVG	346.213	346.213	PASS
v19 - FFFFBFF	R-UCL	1131.078	1131.078	PASS
v19 - FFFFBFF	R-UWL	738.646	738.646	PASS
v19 - FFFFBFF	R-LWL	-46.219	-46.219	PASS
v19 - FFFFBFF	Sum	50463.17	50463.17	PASS
v19 - FFFFBFF	LV	2188.27	2188.27	PASS
v19 - FFFFBFF	Sigma	4.3	4.3	PASS
v19 - FFFFBFF	CP	0.71	0.71	PASS
v19 - FFFFBFF	O < LWL%			PASS
v19 - FFFFBFF	O < LWL ppm			PASS
v19 - FFFFBFF	C < LWL%			PASS
v19 - FFFFBFF	C < LWL ppm			PASS
v19 - FFFFBFF	O < LCL%	3.03	3.03	PASS
v19 - FFFFBFF	O < LCL ppm	30303	30303	PASS
v19 - FFFFBFF	C < LCL%	13.14	13.14	PASS
v19 - FFFFBFF	C < LCL ppm	131400	131400	PASS
v19 - FFFFBFF	O<LWLn			PASS
v19 - FFFFBFF	C<LWLn			PASS
v19 - FFFFBFF	O<LCLn	3	3	PASS
v19 - FFFFBFF	C<LCLn	13.009	13.009	PASS
v19 - FFFFBFF	Osn	6	6	PASS
v19 - FFFFBFF	Csn	3.257	3.257	PASS
v19 - FFFFBFF	O<LSL%	2.02	2.02	PASS
v19 - FFFFBFF	O<LSLppm	20202	20202	PASS
v19 - FFFFBFF	O<LSLn	2	2	PASS
v19 - FFFFBFF	C<LSL%	1.79	1.79	PASS
v19 - FFFFBFF	C<LSLppm	17900	17900	PASS
v19 - FFFFBFF	C<LSLn	1.772	1.772	PASS
v19 - FFFFBFF	O<TGT%	49.495	49.495	PASS
v19 - FFFFBFF	O<TGTppm	494949	494949	PASS
v19 - FFFFBFF	O<TGTn	49	49	PASS
v19 - FFFFBFF	C<TGT%	44.83	44.83	PASS
v19 - FFFFBFF	C<TGTppm	448300	448300	PASS
v19 - FFFFBFF	C<TGTn	44.382	44.382	PASS
v19 - FFFFBFF	O=TGT%	0	0	PASS
v19 - FFFFBFF	O=TGTppm	0	0	PASS

v19 - FFFFBFF	O=TGTn	0	0	PASS
v19 - FFFFBFF	O>TGT%	50.505	50.505	PASS
v19 - FFFFBFF	O>TGTppm	505051	505051	PASS
v19 - FFFFBFF	O>TGTn	50	50	PASS
v19 - FFFFBFF	C>TGT%	55.17	55.17	PASS
v19 - FFFFBFF	C>TGTppm	551700	551700	PASS
v19 - FFFFBFF	C>TGTn	54.618	54.618	PASS
v19 - FFFFBFF	O>UWL%	20.202	20.202	PASS
v19 - FFFFBFF	O>UWLppm	202020	202020	PASS
v19 - FFFFBFF	O>UWLn	20	20	PASS
v19 - FFFFBFF	C>UWL%	31.92	31.92	PASS
v19 - FFFFBFF	C>UWLppm	319200	319200	PASS
v19 - FFFFBFF	C>UWLn	31.601	31.601	PASS
v19 - FFFFBFF	O>UCL%	5.051	5.051	PASS
v19 - FFFFBFF	O>UCLppm	50505	50505	PASS
v19 - FFFFBFF	O>UCLn	5	5	PASS
v19 - FFFFBFF	C>UCL%	14.23	14.23	PASS
v19 - FFFFBFF	C>UCLppm	142300	142300	PASS
v19 - FFFFBFF	C>UCLn	14.088	14.088	PASS
v19 - FFFFBFF	O>USL%	4.04	4.04	PASS
v19 - FFFFBFF	O>USLppm	40404	40404	PASS
v19 - FFFFBFF	O>USLn	4	4	PASS
v19 - FFFFBFF	C>USL%	1.5	1.5	PASS
v19 - FFFFBFF	C>USLppm	15000	15000	PASS
v19 - FFFFBFF	C>USLn	1.485	1.485	PASS
v19 - FFFFBFF	UCloPPM	121281	121281	PASS
v19 - FFFFBFF	UCIcPPM	67788	67788	PASS
v20 - FFFFFBF	N	99	99	PASS
v20 - FFFFFBF	S-pop	456.346	456.346	PASS
v20 - FFFFFBF	+4S	2335.114	2335.114	PASS
v20 - FFFFFBF	+3S	1878.768	1878.768	PASS
v20 - FFFFFBF	Avg	509.729	509.729	PASS
v20 - FFFFFBF	-3S	-859.31	-859.31	PASS
v20 - FFFFFBF	-4S	-1315.656	-1315.656	PASS
v20 - FFFFFBF	Max	2304.83	2304.83	PASS
v20 - FFFFFBF	Min	-860.08	-860.08	PASS
v20 - FFFFFBF	OSppm	60606	60606	PASS
v20 - FFFFFBF	CSppm	32900	32900	PASS
v20 - FFFFFBF	Cr	1.4	1.4	PASS
v20 - FFFFFBF	Tz	0.1	0.1	PASS
v20 - FFFFFBF	Cpk	0.7	0.7	PASS
v20 - FFFFFBF	%CV	89.527	89.527	PASS
v20 - FFFFFBF	Rule			PASS
v20 - FFFFFBF	S-mr	261.622	261.622	PASS
v20 - FFFFFBF	T-Dev	59.729	59.729	PASS
v20 - FFFFFBF	C-SD	456.346	456.346	PASS
v20 - FFFFFBF	+1.5S	1194.248	1194.248	PASS
v20 - FFFFFBF	C-AVG	509.729	509.729	PASS
v20 - FFFFFBF	-1.5S	-174.79	-174.79	PASS
v20 - FFFFFBF	M	473.71	473.71	PASS

v20 - FFFFFFFB	OS%	6.061	6.061	PASS
v20 - FFFFFFFB	CS%	3.29	3.29	PASS
v20 - FFFFFFFB	R-AVG	346.213	346.213	PASS
v20 - FFFFFFFB	R-UCL	1131.078	1131.078	PASS
v20 - FFFFFFFB	R-UWL	738.646	738.646	PASS
v20 - FFFFFFFB	R-LWL	-46.219	-46.219	PASS
v20 - FFFFFFFB	Sum	50463.17	50463.17	PASS
v20 - FFFFFFFB	LV	2188.27	2188.27	PASS
v20 - FFFFFFFB	Sigma	4.3	4.3	PASS
v20 - FFFFFFFB	CP	0.71	0.71	PASS
v20 - FFFFFFFB	O < LWL%	10.101	10.101	PASS
v20 - FFFFFFFB	O < LWL ppm	101010	101010	PASS
v20 - FFFFFFFB	C < LWL%	21.77	21.77	PASS
v20 - FFFFFFFB	C < LWL ppm	217700	217700	PASS
v20 - FFFFFFFB	O < LCL%			PASS
v20 - FFFFFFFB	O < LCL ppm			PASS
v20 - FFFFFFFB	C < LCL%			PASS
v20 - FFFFFFFB	C < LCL ppm			PASS
v20 - FFFFFFFB	O<LWLn	10	10	PASS
v20 - FFFFFFFB	C<LWLn	21.552	21.552	PASS
v20 - FFFFFFFB	O<LCLn			PASS
v20 - FFFFFFFB	C<LCLn			PASS
v20 - FFFFFFFB	Osn	6	6	PASS
v20 - FFFFFFFB	Csn	3.257	3.257	PASS
v20 - FFFFFFFB	O<LSL%	2.02	2.02	PASS
v20 - FFFFFFFB	O<LSLppm	20202	20202	PASS
v20 - FFFFFFFB	O<LSLn	2	2	PASS
v20 - FFFFFFFB	C<LSL%	1.79	1.79	PASS
v20 - FFFFFFFB	C<LSLppm	17900	17900	PASS
v20 - FFFFFFFB	C<LSLn	1.772	1.772	PASS
v20 - FFFFFFFB	O<TGT%	49.495	49.495	PASS
v20 - FFFFFFFB	O<TGTppm	494949	494949	PASS
v20 - FFFFFFFB	O<TGTn	49	49	PASS
v20 - FFFFFFFB	C<TGT%	44.83	44.83	PASS
v20 - FFFFFFFB	C<TGTppm	448300	448300	PASS
v20 - FFFFFFFB	C<TGTn	44.382	44.382	PASS
v20 - FFFFFFFB	O=TGT%	0	0	PASS
v20 - FFFFFFFB	O=TGTppm	0	0	PASS
v20 - FFFFFFFB	O=TGTn	0	0	PASS
v20 - FFFFFFFB	O>TGT%	50.505	50.505	PASS
v20 - FFFFFFFB	O>TGTppm	505051	505051	PASS
v20 - FFFFFFFB	O>TGTn	50	50	PASS
v20 - FFFFFFFB	C>TGT%	55.17	55.17	PASS
v20 - FFFFFFFB	C>TGTppm	551700	551700	PASS
v20 - FFFFFFFB	C>TGTn	54.618	54.618	PASS
v20 - FFFFFFFB	O>UWL%	20.202	20.202	PASS
v20 - FFFFFFFB	O>UWLppm	202020	202020	PASS
v20 - FFFFFFFB	O>UWLn	20	20	PASS
v20 - FFFFFFFB	C>UWL%	31.92	31.92	PASS
v20 - FFFFFFFB	C>UWLppm	319200	319200	PASS

v20 - FFFFFFFB	C>UWLn	31.601	31.601	PASS
v20 - FFFFFFFB	O>UCL%	5.051	5.051	PASS
v20 - FFFFFFFB	O>UCLppm	50505	50505	PASS
v20 - FFFFFFFB	O>UCLn	5	5	PASS
v20 - FFFFFFFB	C>UCL%	14.23	14.23	PASS
v20 - FFFFFFFB	C>UCLppm	142300	142300	PASS
v20 - FFFFFFFB	C>UCLn	14.088	14.088	PASS
v20 - FFFFFFFB	O>USL%	4.04	4.04	PASS
v20 - FFFFFFFB	O>USLppm	40404	40404	PASS
v20 - FFFFFFFB	O>USLn	4	4	PASS
v20 - FFFFFFFB	C>USL%	1.5	1.5	PASS
v20 - FFFFFFFB	C>USLppm	15000	15000	PASS
v20 - FFFFFFFB	C>USLn	1.485	1.485	PASS
v20 - FFFFFFFB	UCIoPPM	121281	121281	PASS
v20 - FFFFFFFB	UCIcPPM	67788	67788	PASS
v21 - FFFFFFFB	N	99	99	PASS
v21 - FFFFFFFB	S-pop	456.346	456.346	PASS
v21 - FFFFFFFB	+4S	2335.114	2335.114	PASS
v21 - FFFFFFFB	+3S	1878.768	1878.768	PASS
v21 - FFFFFFFB	Avg	509.729	509.729	PASS
v21 - FFFFFFFB	-3S	-859.31	-859.31	PASS
v21 - FFFFFFFB	-4S	-1315.656	-1315.656	PASS
v21 - FFFFFFFB	Max	2304.83	2304.83	PASS
v21 - FFFFFFFB	Min	-860.08	-860.08	PASS
v21 - FFFFFFFB	OSppm	40404	40404	PASS
v21 - FFFFFFFB	CSppm	15000	15000	PASS
v21 - FFFFFFFB	Cr	1.3	1.3	PASS
v21 - FFFFFFFB	Tz	0.1	0.1	PASS
v21 - FFFFFFFB	Cpk	0.72	0.72	PASS
v21 - FFFFFFFB	%CV	89.527	89.527	PASS
v21 - FFFFFFFB	Rule			PASS
v21 - FFFFFFFB	S-mr	261.622	261.622	PASS
v21 - FFFFFFFB	T-Dev	59.729	59.729	PASS
v21 - FFFFFFFB	C-SD	456.346	456.346	PASS
v21 - FFFFFFFB	+1.5S	1194.248	1194.248	PASS
v21 - FFFFFFFB	C-AVG	509.729	509.729	PASS
v21 - FFFFFFFB	-1.5S	-174.79	-174.79	PASS
v21 - FFFFFFFB	M	473.71	473.71	PASS
v21 - FFFFFFFB	OS%	4.04	4.04	PASS
v21 - FFFFFFFB	CS%	1.5	1.5	PASS
v21 - FFFFFFFB	R-AVG	346.213	346.213	PASS
v21 - FFFFFFFB	R-UCL	1131.078	1131.078	PASS
v21 - FFFFFFFB	R-UWL	738.646	738.646	PASS
v21 - FFFFFFFB	R-LWL	-46.219	-46.219	PASS
v21 - FFFFFFFB	Sum	50463.17	50463.17	PASS
v21 - FFFFFFFB	LV	2188.27	2188.27	PASS
v21 - FFFFFFFB	Sigma	4.6	4.6	PASS
v21 - FFFFFFFB	CP	0.77	0.77	PASS
v21 - FFFFFFFB	O < LWL%	10.101	10.101	PASS
v21 - FFFFFFFB	O < LWL ppm	101010	101010	PASS

v21 - FFFFFFFB	C < LWL%	21.77	21.77	PASS
v21 - FFFFFFFB	C < LWL ppm	217700	217700	PASS
v21 - FFFFFFFB	O < LCL%	3.03	3.03	PASS
v21 - FFFFFFFB	O < LCL ppm	30303	30303	PASS
v21 - FFFFFFFB	C < LCL%	13.14	13.14	PASS
v21 - FFFFFFFB	C < LCL ppm	131400	131400	PASS
v21 - FFFFFFFB	O<LWLn	10	10	PASS
v21 - FFFFFFFB	C<LWLn	21.552	21.552	PASS
v21 - FFFFFFFB	O<LCLn	3	3	PASS
v21 - FFFFFFFB	C<LCLn	13.009	13.009	PASS
v21 - FFFFFFFB	Osn	4	4	PASS
v21 - FFFFFFFB	Csn	1.485	1.485	PASS
v21 - FFFFFFFB	O<LSL%			PASS
v21 - FFFFFFFB	O<LSLppm			PASS
v21 - FFFFFFFB	O<LSLn			PASS
v21 - FFFFFFFB	C<LSL%			PASS
v21 - FFFFFFFB	C<LSLppm			PASS
v21 - FFFFFFFB	C<LSLn			PASS
v21 - FFFFFFFB	O<TGT%	49.495	49.495	PASS
v21 - FFFFFFFB	O<TGTppm	494949	494949	PASS
v21 - FFFFFFFB	O<TGTn	49	49	PASS
v21 - FFFFFFFB	C<TGT%	44.83	44.83	PASS
v21 - FFFFFFFB	C<TGTppm	448300	448300	PASS
v21 - FFFFFFFB	C<TGTn	44.382	44.382	PASS
v21 - FFFFFFFB	O=TGT%	0	0	PASS
v21 - FFFFFFFB	O=TGTppm	0	0	PASS
v21 - FFFFFFFB	O=TGTn	0	0	PASS
v21 - FFFFFFFB	O>TGT%	50.505	50.505	PASS
v21 - FFFFFFFB	O>TGTppm	505051	505051	PASS
v21 - FFFFFFFB	O>TGTn	50	50	PASS
v21 - FFFFFFFB	C>TGT%	55.17	55.17	PASS
v21 - FFFFFFFB	C>TGTppm	551700	551700	PASS
v21 - FFFFFFFB	C>TGTn	54.618	54.618	PASS
v21 - FFFFFFFB	O>UWL%	20.202	20.202	PASS
v21 - FFFFFFFB	O>UWLppm	202020	202020	PASS
v21 - FFFFFFFB	O>UWLn	20	20	PASS
v21 - FFFFFFFB	C>UWL%	31.92	31.92	PASS
v21 - FFFFFFFB	C>UWLppm	319200	319200	PASS
v21 - FFFFFFFB	C>UWLn	31.601	31.601	PASS
v21 - FFFFFFFB	O>UCL%	5.051	5.051	PASS
v21 - FFFFFFFB	O>UCLppm	50505	50505	PASS
v21 - FFFFFFFB	O>UCLn	5	5	PASS
v21 - FFFFFFFB	C>UCL%	14.23	14.23	PASS
v21 - FFFFFFFB	C>UCLppm	142300	142300	PASS
v21 - FFFFFFFB	C>UCLn	14.088	14.088	PASS
v21 - FFFFFFFB	O>USL%	4.04	4.04	PASS
v21 - FFFFFFFB	O>USLppm	40404	40404	PASS
v21 - FFFFFFFB	O>USLn	4	4	PASS
v21 - FFFFFFFB	C>USL%	1.5	1.5	PASS
v21 - FFFFFFFB	C>USLppm	15000	15000	PASS

v21 - FFFFFFFB	C>USLn	1.485	1.485	PASS
v21 - FFFFFFFB	UCIoPPM	91364	91364	PASS
v21 - FFFFFFFB	UCIcPPM	31861	31861	PASS
v22 - SD 0 Equal USL	N	100	100	PASS
v22 - SD 0 Equal USL	S-pop	0	0	PASS
v22 - SD 0 Equal USL	+4S	1500	1500	PASS
v22 - SD 0 Equal USL	+3S	1500	1500	PASS
v22 - SD 0 Equal USL	Avg	1500	1500	PASS
v22 - SD 0 Equal USL	-3S	1500	1500	PASS
v22 - SD 0 Equal USL	-4S	1500	1500	PASS
v22 - SD 0 Equal USL	Max	1500	1500	PASS
v22 - SD 0 Equal USL	Min	1500	1500	PASS
v22 - SD 0 Equal USL	OSppm	0	0	PASS
v22 - SD 0 Equal USL	CSppm			PASS
v22 - SD 0 Equal USL	Cr	0	0	PASS
v22 - SD 0 Equal USL	Tz	1	1	PASS
v22 - SD 0 Equal USL	Cpk			PASS
v22 - SD 0 Equal USL	%CV	0	0	PASS
v22 - SD 0 Equal USL	Rule			PASS
v22 - SD 0 Equal USL	S-mr	0	0	PASS
v22 - SD 0 Equal USL	T-Dev	1050	1050	PASS
v22 - SD 0 Equal USL	C-SD	0	0	PASS
v22 - SD 0 Equal USL	+1.5S	1500	1500	PASS
v22 - SD 0 Equal USL	C-AVG	1500	1500	PASS
v22 - SD 0 Equal USL	-1.5S	1500	1500	PASS
v22 - SD 0 Equal USL	M	1500	1500	PASS
v22 - SD 0 Equal USL	OS%	0	0	PASS
v22 - SD 0 Equal USL	CS%			PASS
v22 - SD 0 Equal USL	R-AVG	0	0	PASS
v22 - SD 0 Equal USL	R-UCL	0	0	PASS
v22 - SD 0 Equal USL	R-UWL	0	0	PASS
v22 - SD 0 Equal USL	R-LWL	0	0	PASS
v22 - SD 0 Equal USL	Sum	150000	150000	PASS
v22 - SD 0 Equal USL	LV	1500	1500	PASS
v22 - SD 0 Equal USL	Sigma			PASS
v22 - SD 0 Equal USL	CP			PASS
v22 - SD 0 Equal USL	O < LWL%	0	0	PASS
v22 - SD 0 Equal USL	O < LWL ppm	0	0	PASS
v22 - SD 0 Equal USL	C < LWL%			PASS
v22 - SD 0 Equal USL	C < LWL ppm			PASS
v22 - SD 0 Equal USL	O < LCL%	0	0	PASS
v22 - SD 0 Equal USL	O < LCL ppm	0	0	PASS
v22 - SD 0 Equal USL	C < LCL%			PASS
v22 - SD 0 Equal USL	C < LCL ppm			PASS
v22 - SD 0 Equal USL	O<LWLn	0	0	PASS
v22 - SD 0 Equal USL	C<LWLn			PASS
v22 - SD 0 Equal USL	O<LCLn	0	0	PASS
v22 - SD 0 Equal USL	C<LCLn			PASS
v22 - SD 0 Equal USL	Osn	0	0	PASS
v22 - SD 0 Equal USL	Csn			PASS

v22 - SD 0 Equal USL	O<LSL%	0	0	PASS
v22 - SD 0 Equal USL	O<LSLppm	0	0	PASS
v22 - SD 0 Equal USL	O<LSLn	0	0	PASS
v22 - SD 0 Equal USL	C<LSL%			PASS
v22 - SD 0 Equal USL	C<LSLppm			PASS
v22 - SD 0 Equal USL	C<LSLn			PASS
v22 - SD 0 Equal USL	O<TGT%	0	0	PASS
v22 - SD 0 Equal USL	O<TGTppm	0	0	PASS
v22 - SD 0 Equal USL	O<TGTn	0	0	PASS
v22 - SD 0 Equal USL	C<TGT%			PASS
v22 - SD 0 Equal USL	C<TGTppm			PASS
v22 - SD 0 Equal USL	C<TGTn			PASS
v22 - SD 0 Equal USL	O=TGT%	0	0	PASS
v22 - SD 0 Equal USL	O=TGTppm	0	0	PASS
v22 - SD 0 Equal USL	O=TGTn	0	0	PASS
v22 - SD 0 Equal USL	O>TGT%	100	100	PASS
v22 - SD 0 Equal USL	O>TGTppm	1000000	1000000	PASS
v22 - SD 0 Equal USL	O>TGTn	100	100	PASS
v22 - SD 0 Equal USL	C>TGT%			PASS
v22 - SD 0 Equal USL	C>TGTppm			PASS
v22 - SD 0 Equal USL	C>TGTn			PASS
v22 - SD 0 Equal USL	O>UWL%	100	100	PASS
v22 - SD 0 Equal USL	O>UWLppm	1000000	1000000	PASS
v22 - SD 0 Equal USL	O>UWLn	100	100	PASS
v22 - SD 0 Equal USL	C>UWL%			PASS
v22 - SD 0 Equal USL	C>UWLppm			PASS
v22 - SD 0 Equal USL	C>UWLn			PASS
v22 - SD 0 Equal USL	O>UCL%	100	100	PASS
v22 - SD 0 Equal USL	O>UCLppm	1000000	1000000	PASS
v22 - SD 0 Equal USL	O>UCLn	100	100	PASS
v22 - SD 0 Equal USL	C>UCL%			PASS
v22 - SD 0 Equal USL	C>UCLppm			PASS
v22 - SD 0 Equal USL	C>UCLn			PASS
v22 - SD 0 Equal USL	O>USL%	0	0	PASS
v22 - SD 0 Equal USL	O>USLppm	0	0	PASS
v22 - SD 0 Equal USL	O>USLn	0	0	PASS
v22 - SD 0 Equal USL	C>USL%			PASS
v22 - SD 0 Equal USL	C>USLppm			PASS
v22 - SD 0 Equal USL	C>USLn			PASS
v22 - SD 0 Equal USL	UCIoPPM	29802	29802	PASS
v22 - SD 0 Equal USL	UCIcPPM			PASS
v23 - SD 0 Equal UCL	N	100	100	PASS
v23 - SD 0 Equal UCL	S-pop	0	0	PASS
v23 - SD 0 Equal UCL	+4S	999	999	PASS
v23 - SD 0 Equal UCL	+3S	999	999	PASS
v23 - SD 0 Equal UCL	Avg	999	999	PASS
v23 - SD 0 Equal UCL	-3S	999	999	PASS
v23 - SD 0 Equal UCL	-4S	999	999	PASS
v23 - SD 0 Equal UCL	Max	999	999	PASS
v23 - SD 0 Equal UCL	Min	999	999	PASS

v23 - SD 0 Equal UCL	OSppm	0	0	PASS
v23 - SD 0 Equal UCL	CSppm			PASS
v23 - SD 0 Equal UCL	Cr	0	0	PASS
v23 - SD 0 Equal UCL	Tz	1	1	PASS
v23 - SD 0 Equal UCL	Cpk			PASS
v23 - SD 0 Equal UCL	%CV	0	0	PASS
v23 - SD 0 Equal UCL	Rule			PASS
v23 - SD 0 Equal UCL	S-mr	0	0	PASS
v23 - SD 0 Equal UCL	T-Dev	549	549	PASS
v23 - SD 0 Equal UCL	C-SD	0	0	PASS
v23 - SD 0 Equal UCL	+1.5S	999	999	PASS
v23 - SD 0 Equal UCL	C-AVG	999	999	PASS
v23 - SD 0 Equal UCL	-1.5S	999	999	PASS
v23 - SD 0 Equal UCL	M	999	999	PASS
v23 - SD 0 Equal UCL	OS%	0	0	PASS
v23 - SD 0 Equal UCL	CS%			PASS
v23 - SD 0 Equal UCL	R-AVG	0	0	PASS
v23 - SD 0 Equal UCL	R-UCL	0	0	PASS
v23 - SD 0 Equal UCL	R-UWL	0	0	PASS
v23 - SD 0 Equal UCL	R-LWL	0	0	PASS
v23 - SD 0 Equal UCL	Sum	99900	99900	PASS
v23 - SD 0 Equal UCL	LV	999	999	PASS
v23 - SD 0 Equal UCL	Sigma			PASS
v23 - SD 0 Equal UCL	CP			PASS
v23 - SD 0 Equal UCL	O < LWL%	0	0	PASS
v23 - SD 0 Equal UCL	O < LWL ppm	0	0	PASS
v23 - SD 0 Equal UCL	C < LWL%			PASS
v23 - SD 0 Equal UCL	C < LWL ppm			PASS
v23 - SD 0 Equal UCL	O < LCL%	0	0	PASS
v23 - SD 0 Equal UCL	O < LCL ppm	0	0	PASS
v23 - SD 0 Equal UCL	C < LCL%			PASS
v23 - SD 0 Equal UCL	C < LCL ppm			PASS
v23 - SD 0 Equal UCL	O<LWLn	0	0	PASS
v23 - SD 0 Equal UCL	C<LWLn			PASS
v23 - SD 0 Equal UCL	O<LCLn	0	0	PASS
v23 - SD 0 Equal UCL	C<LCLn			PASS
v23 - SD 0 Equal UCL	Osn	0	0	PASS
v23 - SD 0 Equal UCL	Csn			PASS
v23 - SD 0 Equal UCL	O<LSL%	0	0	PASS
v23 - SD 0 Equal UCL	O<LSLppm	0	0	PASS
v23 - SD 0 Equal UCL	O<LSLn	0	0	PASS
v23 - SD 0 Equal UCL	C<LSL%			PASS
v23 - SD 0 Equal UCL	C<LSLppm			PASS
v23 - SD 0 Equal UCL	C<LSLn			PASS
v23 - SD 0 Equal UCL	O<TGT%	0	0	PASS
v23 - SD 0 Equal UCL	O<TGTppm	0	0	PASS
v23 - SD 0 Equal UCL	O<TGTn	0	0	PASS
v23 - SD 0 Equal UCL	C<TGT%			PASS
v23 - SD 0 Equal UCL	C<TGTppm			PASS
v23 - SD 0 Equal UCL	C<TGTn			PASS

v23 - SD 0 Equal UCL	O=TGT%	0	0	PASS
v23 - SD 0 Equal UCL	O=TGTppm	0	0	PASS
v23 - SD 0 Equal UCL	O=TGTn	0	0	PASS
v23 - SD 0 Equal UCL	O>TGT%	100	100	PASS
v23 - SD 0 Equal UCL	O>TGTppm	1000000	1000000	PASS
v23 - SD 0 Equal UCL	O>TGTn	100	100	PASS
v23 - SD 0 Equal UCL	C>TGT%			PASS
v23 - SD 0 Equal UCL	C>TGTppm			PASS
v23 - SD 0 Equal UCL	C>TGTn			PASS
v23 - SD 0 Equal UCL	O>UWL%	100	100	PASS
v23 - SD 0 Equal UCL	O>UWLppm	1000000	1000000	PASS
v23 - SD 0 Equal UCL	O>UWLn	100	100	PASS
v23 - SD 0 Equal UCL	C>UWL%			PASS
v23 - SD 0 Equal UCL	C>UWLppm			PASS
v23 - SD 0 Equal UCL	C>UWLn			PASS
v23 - SD 0 Equal UCL	O>UCL%	0	0	PASS
v23 - SD 0 Equal UCL	O>UCLppm	0	0	PASS
v23 - SD 0 Equal UCL	O>UCLn	0	0	PASS
v23 - SD 0 Equal UCL	C>UCL%			PASS
v23 - SD 0 Equal UCL	C>UCLppm			PASS
v23 - SD 0 Equal UCL	C>UCLn			PASS
v23 - SD 0 Equal UCL	O>USL%	0	0	PASS
v23 - SD 0 Equal UCL	O>USLppm	0	0	PASS
v23 - SD 0 Equal UCL	O>USLn	0	0	PASS
v23 - SD 0 Equal UCL	C>USL%			PASS
v23 - SD 0 Equal UCL	C>USLppm			PASS
v23 - SD 0 Equal UCL	C>USLn			PASS
v23 - SD 0 Equal UCL	UCIoPPM	29802	29802	PASS
v23 - SD 0 Equal UCL	UCIcPPM			PASS
v24 - SD 0 Above TGT	N	100	100	PASS
v24 - SD 0 Above TGT	S-pop	0	0	PASS
v24 - SD 0 Above TGT	+4S	700.09	700.09	PASS
v24 - SD 0 Above TGT	+3S	700.09	700.09	PASS
v24 - SD 0 Above TGT	Avg	700.09	700.09	PASS
v24 - SD 0 Above TGT	-3S	700.09	700.09	PASS
v24 - SD 0 Above TGT	-4S	700.09	700.09	PASS
v24 - SD 0 Above TGT	Max	700.09	700.09	PASS
v24 - SD 0 Above TGT	Min	700.09	700.09	PASS
v24 - SD 0 Above TGT	OSppm	0	0	PASS
v24 - SD 0 Above TGT	CSppm			PASS
v24 - SD 0 Above TGT	Cr	0	0	PASS
v24 - SD 0 Above TGT	Tz	1	1	PASS
v24 - SD 0 Above TGT	Cpk			PASS
v24 - SD 0 Above TGT	%CV	0	0	PASS
v24 - SD 0 Above TGT	Rule			PASS
v24 - SD 0 Above TGT	S-mr	0	0	PASS
v24 - SD 0 Above TGT	T-Dev	250.09	250.09	PASS
v24 - SD 0 Above TGT	C-SD	0	0	PASS
v24 - SD 0 Above TGT	+1.5S	700.09	700.09	PASS
v24 - SD 0 Above TGT	C-AVG	700.09	700.09	PASS

v24 - SD 0 Above TGT	-1.5S	700.09	700.09	PASS
v24 - SD 0 Above TGT	M	700.09	700.09	PASS
v24 - SD 0 Above TGT	OS%	0	0	PASS
v24 - SD 0 Above TGT	CS%			PASS
v24 - SD 0 Above TGT	R-AVG	0	0	PASS
v24 - SD 0 Above TGT	R-UCL	0	0	PASS
v24 - SD 0 Above TGT	R-UWL	0	0	PASS
v24 - SD 0 Above TGT	R-LWL	0	0	PASS
v24 - SD 0 Above TGT	Sum	70009	70009	PASS
v24 - SD 0 Above TGT	LV	700.09	700.09	PASS
v24 - SD 0 Above TGT	Sigma			PASS
v24 - SD 0 Above TGT	CP			PASS
v24 - SD 0 Above TGT	O < LWL%	0	0	PASS
v24 - SD 0 Above TGT	O < LWL ppm	0	0	PASS
v24 - SD 0 Above TGT	C < LWL%			PASS
v24 - SD 0 Above TGT	C < LWL ppm			PASS
v24 - SD 0 Above TGT	O < LCL%	0	0	PASS
v24 - SD 0 Above TGT	O < LCL ppm	0	0	PASS
v24 - SD 0 Above TGT	C < LCL%			PASS
v24 - SD 0 Above TGT	C < LCL ppm			PASS
v24 - SD 0 Above TGT	O<LWLn	0	0	PASS
v24 - SD 0 Above TGT	C<LWLn			PASS
v24 - SD 0 Above TGT	O<LCLn	0	0	PASS
v24 - SD 0 Above TGT	C<LCLn			PASS
v24 - SD 0 Above TGT	Osn	0	0	PASS
v24 - SD 0 Above TGT	Csn			PASS
v24 - SD 0 Above TGT	O<LSL%	0	0	PASS
v24 - SD 0 Above TGT	O<LSLppm	0	0	PASS
v24 - SD 0 Above TGT	O<LSLn	0	0	PASS
v24 - SD 0 Above TGT	C<LSL%			PASS
v24 - SD 0 Above TGT	C<LSLppm			PASS
v24 - SD 0 Above TGT	C<LSLn			PASS
v24 - SD 0 Above TGT	O<TGT%	0	0	PASS
v24 - SD 0 Above TGT	O<TGTppm	0	0	PASS
v24 - SD 0 Above TGT	O<TGTn	0	0	PASS
v24 - SD 0 Above TGT	C<TGT%			PASS
v24 - SD 0 Above TGT	C<TGTppm			PASS
v24 - SD 0 Above TGT	C<TGTn			PASS
v24 - SD 0 Above TGT	O=TGT%	0	0	PASS
v24 - SD 0 Above TGT	O=TGTppm	0	0	PASS
v24 - SD 0 Above TGT	O=TGTn	0	0	PASS
v24 - SD 0 Above TGT	O>TGT%	100	100	PASS
v24 - SD 0 Above TGT	O>TGTppm	1000000	1000000	PASS
v24 - SD 0 Above TGT	O>TGTn	100	100	PASS
v24 - SD 0 Above TGT	C>TGT%			PASS
v24 - SD 0 Above TGT	C>TGTppm			PASS
v24 - SD 0 Above TGT	C>TGTn			PASS
v24 - SD 0 Above TGT	O>UWL%	0	0	PASS
v24 - SD 0 Above TGT	O>UWLppm	0	0	PASS
v24 - SD 0 Above TGT	O>UWLn	0	0	PASS

v24 - SD 0 Above TGT	C>UWL%			PASS
v24 - SD 0 Above TGT	C>UWLppm			PASS
v24 - SD 0 Above TGT	C>UWLn			PASS
v24 - SD 0 Above TGT	O>UCL%	0	0	PASS
v24 - SD 0 Above TGT	O>UCLppm	0	0	PASS
v24 - SD 0 Above TGT	O>UCLn	0	0	PASS
v24 - SD 0 Above TGT	C>UCL%			PASS
v24 - SD 0 Above TGT	C>UCLppm			PASS
v24 - SD 0 Above TGT	C>UCLn			PASS
v24 - SD 0 Above TGT	O>USL%	0	0	PASS
v24 - SD 0 Above TGT	O>USLppm	0	0	PASS
v24 - SD 0 Above TGT	O>USLn	0	0	PASS
v24 - SD 0 Above TGT	C>USL%			PASS
v24 - SD 0 Above TGT	C>USLppm			PASS
v24 - SD 0 Above TGT	C>USLn			PASS
v24 - SD 0 Above TGT	UCIoPPM	29802	29802	PASS
v24 - SD 0 Above TGT	UCIcPPM			PASS
v25 - SD 0 Equal TGT	N	100	100	PASS
v25 - SD 0 Equal TGT	S-pop	0	0	PASS
v25 - SD 0 Equal TGT	+4S	450	450	PASS
v25 - SD 0 Equal TGT	+3S	450	450	PASS
v25 - SD 0 Equal TGT	Avg	450	450	PASS
v25 - SD 0 Equal TGT	-3S	450	450	PASS
v25 - SD 0 Equal TGT	-4S	450	450	PASS
v25 - SD 0 Equal TGT	Max	450	450	PASS
v25 - SD 0 Equal TGT	Min	450	450	PASS
v25 - SD 0 Equal TGT	OSppm	0	0	PASS
v25 - SD 0 Equal TGT	CSppm			PASS
v25 - SD 0 Equal TGT	Cr	0	0	PASS
v25 - SD 0 Equal TGT	Tz	0	0	PASS
v25 - SD 0 Equal TGT	Cpk			PASS
v25 - SD 0 Equal TGT	%CV	0	0	PASS
v25 - SD 0 Equal TGT	Rule			PASS
v25 - SD 0 Equal TGT	S-mr	0	0	PASS
v25 - SD 0 Equal TGT	T-Dev	0	0	PASS
v25 - SD 0 Equal TGT	C-SD	0	0	PASS
v25 - SD 0 Equal TGT	+1.5S	450	450	PASS
v25 - SD 0 Equal TGT	C-AVG	450	450	PASS
v25 - SD 0 Equal TGT	-1.5S	450	450	PASS
v25 - SD 0 Equal TGT	M	450	450	PASS
v25 - SD 0 Equal TGT	OS%	0	0	PASS
v25 - SD 0 Equal TGT	CS%			PASS
v25 - SD 0 Equal TGT	R-AVG	0	0	PASS
v25 - SD 0 Equal TGT	R-UCL	0	0	PASS
v25 - SD 0 Equal TGT	R-UWL	0	0	PASS
v25 - SD 0 Equal TGT	R-LWL	0	0	PASS
v25 - SD 0 Equal TGT	Sum	45000	45000	PASS
v25 - SD 0 Equal TGT	LV	450	450	PASS
v25 - SD 0 Equal TGT	Sigma			PASS
v25 - SD 0 Equal TGT	CP			PASS

v25 - SD 0 Equal TGT	O < LWL%	0	0	PASS
v25 - SD 0 Equal TGT	O < LWL ppm	0	0	PASS
v25 - SD 0 Equal TGT	C < LWL%			PASS
v25 - SD 0 Equal TGT	C < LWL ppm			PASS
v25 - SD 0 Equal TGT	O < LCL%	0	0	PASS
v25 - SD 0 Equal TGT	O < LCL ppm	0	0	PASS
v25 - SD 0 Equal TGT	C < LCL%			PASS
v25 - SD 0 Equal TGT	C < LCL ppm			PASS
v25 - SD 0 Equal TGT	O<LWLn	0	0	PASS
v25 - SD 0 Equal TGT	C<LWLn			PASS
v25 - SD 0 Equal TGT	O<LCLn	0	0	PASS
v25 - SD 0 Equal TGT	C<LCLn			PASS
v25 - SD 0 Equal TGT	Osn	0	0	PASS
v25 - SD 0 Equal TGT	Csn			PASS
v25 - SD 0 Equal TGT	O<LSL%	0	0	PASS
v25 - SD 0 Equal TGT	O<LSLppm	0	0	PASS
v25 - SD 0 Equal TGT	O<LSLn	0	0	PASS
v25 - SD 0 Equal TGT	C<LSL%			PASS
v25 - SD 0 Equal TGT	C<LSLppm			PASS
v25 - SD 0 Equal TGT	C<LSLn			PASS
v25 - SD 0 Equal TGT	O<TGT%	0	0	PASS
v25 - SD 0 Equal TGT	O<TGTppm	0	0	PASS
v25 - SD 0 Equal TGT	O<TGTn	0	0	PASS
v25 - SD 0 Equal TGT	C<TGT%			PASS
v25 - SD 0 Equal TGT	C<TGTppm			PASS
v25 - SD 0 Equal TGT	C<TGTn			PASS
v25 - SD 0 Equal TGT	O=TGT%	100	100	PASS
v25 - SD 0 Equal TGT	O=TGTppm	1000000	1000000	PASS
v25 - SD 0 Equal TGT	O=TGTn	100	100	PASS
v25 - SD 0 Equal TGT	O>TGT%	0	0	PASS
v25 - SD 0 Equal TGT	O>TGTppm	0	0	PASS
v25 - SD 0 Equal TGT	O>TGTn	0	0	PASS
v25 - SD 0 Equal TGT	C>TGT%			PASS
v25 - SD 0 Equal TGT	C>TGTppm			PASS
v25 - SD 0 Equal TGT	C>TGTn			PASS
v25 - SD 0 Equal TGT	O>UWL%	0	0	PASS
v25 - SD 0 Equal TGT	O>UWLppm	0	0	PASS
v25 - SD 0 Equal TGT	O>UWLn	0	0	PASS
v25 - SD 0 Equal TGT	C>UWL%			PASS
v25 - SD 0 Equal TGT	C>UWLppm			PASS
v25 - SD 0 Equal TGT	C>UWLn			PASS
v25 - SD 0 Equal TGT	O>UCL%	0	0	PASS
v25 - SD 0 Equal TGT	O>UCLppm	0	0	PASS
v25 - SD 0 Equal TGT	O>UCLn	0	0	PASS
v25 - SD 0 Equal TGT	C>UCL%			PASS
v25 - SD 0 Equal TGT	C>UCLppm			PASS
v25 - SD 0 Equal TGT	C>UCLn			PASS
v25 - SD 0 Equal TGT	O>USL%	0	0	PASS
v25 - SD 0 Equal TGT	O>USLppm	0	0	PASS
v25 - SD 0 Equal TGT	O>USLn	0	0	PASS

v25 - SD 0 Equal TGT	C>USL%			PASS
v25 - SD 0 Equal TGT	C>USLppm			PASS
v25 - SD 0 Equal TGT	C>USLn			PASS
v25 - SD 0 Equal TGT	UCloPPM	29802	29802	PASS
v25 - SD 0 Equal TGT	UClcPPM			PASS
v26 - SD 0 Below TGT	N	100	100	PASS
v26 - SD 0 Below TGT	S-pop	0	0	PASS
v26 - SD 0 Below TGT	+4S	199.91	199.91	PASS
v26 - SD 0 Below TGT	+3S	199.91	199.91	PASS
v26 - SD 0 Below TGT	Avg	199.91	199.91	PASS
v26 - SD 0 Below TGT	-3S	199.91	199.91	PASS
v26 - SD 0 Below TGT	-4S	199.91	199.91	PASS
v26 - SD 0 Below TGT	Max	199.91	199.91	PASS
v26 - SD 0 Below TGT	Min	199.91	199.91	PASS
v26 - SD 0 Below TGT	OSppm	0	0	PASS
v26 - SD 0 Below TGT	CSppm			PASS
v26 - SD 0 Below TGT	Cr	0	0	PASS
v26 - SD 0 Below TGT	Tz	-1	-1	PASS
v26 - SD 0 Below TGT	Cpk			PASS
v26 - SD 0 Below TGT	%CV	0	0	PASS
v26 - SD 0 Below TGT	Rule			PASS
v26 - SD 0 Below TGT	S-mr	0	0	PASS
v26 - SD 0 Below TGT	T-Dev	-250.09	-250.09	PASS
v26 - SD 0 Below TGT	C-SD	0	0	PASS
v26 - SD 0 Below TGT	+1.5S	199.91	199.91	PASS
v26 - SD 0 Below TGT	C-AVG	199.91	199.91	PASS
v26 - SD 0 Below TGT	-1.5S	199.91	199.91	PASS
v26 - SD 0 Below TGT	M	199.91	199.91	PASS
v26 - SD 0 Below TGT	OS%	0	0	PASS
v26 - SD 0 Below TGT	CS%			PASS
v26 - SD 0 Below TGT	R-AVG	0	0	PASS
v26 - SD 0 Below TGT	R-UCL	0	0	PASS
v26 - SD 0 Below TGT	R-UWL	0	0	PASS
v26 - SD 0 Below TGT	R-LWL	0	0	PASS
v26 - SD 0 Below TGT	Sum	19991	19991	PASS
v26 - SD 0 Below TGT	LV	199.91	199.91	PASS
v26 - SD 0 Below TGT	Sigma			PASS
v26 - SD 0 Below TGT	CP			PASS
v26 - SD 0 Below TGT	O < LWL%	0	0	PASS
v26 - SD 0 Below TGT	O < LWL ppm	0	0	PASS
v26 - SD 0 Below TGT	C < LWL%			PASS
v26 - SD 0 Below TGT	C < LWL ppm			PASS
v26 - SD 0 Below TGT	O < LCL%	0	0	PASS
v26 - SD 0 Below TGT	O < LCL ppm	0	0	PASS
v26 - SD 0 Below TGT	C < LCL%			PASS
v26 - SD 0 Below TGT	C < LCL ppm			PASS
v26 - SD 0 Below TGT	O<LWLn	0	0	PASS
v26 - SD 0 Below TGT	C<LWLn			PASS
v26 - SD 0 Below TGT	O<LCLn	0	0	PASS
v26 - SD 0 Below TGT	C<LCLn			PASS

v26 - SD 0 Below TGT	Osn	0	0	PASS
v26 - SD 0 Below TGT	Csn			PASS
v26 - SD 0 Below TGT	O<LSL%	0	0	PASS
v26 - SD 0 Below TGT	O<LSLppm	0	0	PASS
v26 - SD 0 Below TGT	O<LSLn	0	0	PASS
v26 - SD 0 Below TGT	C<LSL%			PASS
v26 - SD 0 Below TGT	C<LSLppm			PASS
v26 - SD 0 Below TGT	C<LSLn			PASS
v26 - SD 0 Below TGT	O<TGT%	100	100	PASS
v26 - SD 0 Below TGT	O<TGTppm	1000000	1000000	PASS
v26 - SD 0 Below TGT	O<TGTn	100	100	PASS
v26 - SD 0 Below TGT	C<TGT%			PASS
v26 - SD 0 Below TGT	C<TGTppm			PASS
v26 - SD 0 Below TGT	C<TGTn			PASS
v26 - SD 0 Below TGT	O=TGT%	0	0	PASS
v26 - SD 0 Below TGT	O=TGTppm	0	0	PASS
v26 - SD 0 Below TGT	O=TGTn	0	0	PASS
v26 - SD 0 Below TGT	O>TGT%	0	0	PASS
v26 - SD 0 Below TGT	O>TGTppm	0	0	PASS
v26 - SD 0 Below TGT	O>TGTn	0	0	PASS
v26 - SD 0 Below TGT	C>TGT%			PASS
v26 - SD 0 Below TGT	C>TGTppm			PASS
v26 - SD 0 Below TGT	C>TGTn			PASS
v26 - SD 0 Below TGT	O>UWL%	0	0	PASS
v26 - SD 0 Below TGT	O>UWLppm	0	0	PASS
v26 - SD 0 Below TGT	O>UWLn	0	0	PASS
v26 - SD 0 Below TGT	C>UWL%			PASS
v26 - SD 0 Below TGT	C>UWLppm			PASS
v26 - SD 0 Below TGT	C>UWLn			PASS
v26 - SD 0 Below TGT	O>UCL%	0	0	PASS
v26 - SD 0 Below TGT	O>UCLppm	0	0	PASS
v26 - SD 0 Below TGT	O>UCLn	0	0	PASS
v26 - SD 0 Below TGT	C>UCL%			PASS
v26 - SD 0 Below TGT	C>UCLppm			PASS
v26 - SD 0 Below TGT	C>UCLn			PASS
v26 - SD 0 Below TGT	O>USL%	0	0	PASS
v26 - SD 0 Below TGT	O>USLppm	0	0	PASS
v26 - SD 0 Below TGT	O>USLn	0	0	PASS
v26 - SD 0 Below TGT	C>USL%			PASS
v26 - SD 0 Below TGT	C>USLppm			PASS
v26 - SD 0 Below TGT	C>USLn			PASS
v26 - SD 0 Below TGT	UCloPPM	29802	29802	PASS
v26 - SD 0 Below TGT	UClcPPM			PASS
v27 - SD 0 Equal LCL	N	100	100	PASS
v27 - SD 0 Equal LCL	S-pop	0	0	PASS
v27 - SD 0 Equal LCL	+4S	0	0	PASS
v27 - SD 0 Equal LCL	+3S	0	0	PASS
v27 - SD 0 Equal LCL	Avg	0	0	PASS
v27 - SD 0 Equal LCL	-3S	0	0	PASS
v27 - SD 0 Equal LCL	-4S	0	0	PASS

v27 - SD 0 Equal LCL	Max	0	0	PASS
v27 - SD 0 Equal LCL	Min	0	0	PASS
v27 - SD 0 Equal LCL	OSppm	0	0	PASS
v27 - SD 0 Equal LCL	CSppm			PASS
v27 - SD 0 Equal LCL	Cr	0	0	PASS
v27 - SD 0 Equal LCL	Tz	-1	-1	PASS
v27 - SD 0 Equal LCL	Cpk			PASS
v27 - SD 0 Equal LCL	%CV	0	0	PASS
v27 - SD 0 Equal LCL	Rule			PASS
v27 - SD 0 Equal LCL	S-mr	0	0	PASS
v27 - SD 0 Equal LCL	T-Dev	-450	-450	PASS
v27 - SD 0 Equal LCL	C-SD	0	0	PASS
v27 - SD 0 Equal LCL	+1.5S	0	0	PASS
v27 - SD 0 Equal LCL	C-AVG	0	0	PASS
v27 - SD 0 Equal LCL	-1.5S	0	0	PASS
v27 - SD 0 Equal LCL	M	0	0	PASS
v27 - SD 0 Equal LCL	OS%	0	0	PASS
v27 - SD 0 Equal LCL	CS%			PASS
v27 - SD 0 Equal LCL	R-AVG	0	0	PASS
v27 - SD 0 Equal LCL	R-UCL	0	0	PASS
v27 - SD 0 Equal LCL	R-UWL	0	0	PASS
v27 - SD 0 Equal LCL	R-LWL	0	0	PASS
v27 - SD 0 Equal LCL	Sum	0	0	PASS
v27 - SD 0 Equal LCL	LV	0	0	PASS
v27 - SD 0 Equal LCL	Sigma			PASS
v27 - SD 0 Equal LCL	CP			PASS
v27 - SD 0 Equal LCL	O < LWL%	100	100	PASS
v27 - SD 0 Equal LCL	O < LWL ppm	1000000	1000000	PASS
v27 - SD 0 Equal LCL	C < LWL%			PASS
v27 - SD 0 Equal LCL	C < LWL ppm			PASS
v27 - SD 0 Equal LCL	O < LCL%	0	0	PASS
v27 - SD 0 Equal LCL	O < LCL ppm	0	0	PASS
v27 - SD 0 Equal LCL	C < LCL%			PASS
v27 - SD 0 Equal LCL	C < LCL ppm			PASS
v27 - SD 0 Equal LCL	O<LWLn	100	100	PASS
v27 - SD 0 Equal LCL	C<LWLn			PASS
v27 - SD 0 Equal LCL	O<LCLn	0	0	PASS
v27 - SD 0 Equal LCL	C<LCLn			PASS
v27 - SD 0 Equal LCL	Osn	0	0	PASS
v27 - SD 0 Equal LCL	Csn			PASS
v27 - SD 0 Equal LCL	O<LSL%	0	0	PASS
v27 - SD 0 Equal LCL	O<LSLppm	0	0	PASS
v27 - SD 0 Equal LCL	O<LSLn	0	0	PASS
v27 - SD 0 Equal LCL	C<LSL%			PASS
v27 - SD 0 Equal LCL	C<LSLppm			PASS
v27 - SD 0 Equal LCL	C<LSLn			PASS
v27 - SD 0 Equal LCL	O<TGT%	100	100	PASS
v27 - SD 0 Equal LCL	O<TGTppm	1000000	1000000	PASS
v27 - SD 0 Equal LCL	O<TGTn	100	100	PASS
v27 - SD 0 Equal LCL	C<TGT%			PASS

v27 - SD 0 Equal LCL	C<TGTppm			PASS
v27 - SD 0 Equal LCL	C<TGTn			PASS
v27 - SD 0 Equal LCL	O=TGT%	0	0	PASS
v27 - SD 0 Equal LCL	O=TGTppm	0	0	PASS
v27 - SD 0 Equal LCL	O=TGTn	0	0	PASS
v27 - SD 0 Equal LCL	O>TGT%	0	0	PASS
v27 - SD 0 Equal LCL	O>TGTppm	0	0	PASS
v27 - SD 0 Equal LCL	O>TGTn	0	0	PASS
v27 - SD 0 Equal LCL	C>TGT%			PASS
v27 - SD 0 Equal LCL	C>TGTppm			PASS
v27 - SD 0 Equal LCL	C>TGTn			PASS
v27 - SD 0 Equal LCL	O>UWL%	0	0	PASS
v27 - SD 0 Equal LCL	O>UWLppm	0	0	PASS
v27 - SD 0 Equal LCL	O>UWLn	0	0	PASS
v27 - SD 0 Equal LCL	C>UWL%			PASS
v27 - SD 0 Equal LCL	C>UWLppm			PASS
v27 - SD 0 Equal LCL	C>UWLn			PASS
v27 - SD 0 Equal LCL	O>UCL%	0	0	PASS
v27 - SD 0 Equal LCL	O>UCLppm	0	0	PASS
v27 - SD 0 Equal LCL	O>UCLn	0	0	PASS
v27 - SD 0 Equal LCL	C>UCL%			PASS
v27 - SD 0 Equal LCL	C>UCLppm			PASS
v27 - SD 0 Equal LCL	C>UCLn			PASS
v27 - SD 0 Equal LCL	O>USL%	0	0	PASS
v27 - SD 0 Equal LCL	O>USLppm	0	0	PASS
v27 - SD 0 Equal LCL	O>USLn	0	0	PASS
v27 - SD 0 Equal LCL	C>USL%			PASS
v27 - SD 0 Equal LCL	C>USLppm			PASS
v27 - SD 0 Equal LCL	C>USLn			PASS
v27 - SD 0 Equal LCL	UCIoPPM	29802	29802	PASS
v27 - SD 0 Equal LCL	UCIcPPM			PASS
v28 - SD 0 Equal LSL	N	100	100	PASS
v28 - SD 0 Equal LSL	S-pop	0	0	PASS
v28 - SD 0 Equal LSL	+4S	-450	-450	PASS
v28 - SD 0 Equal LSL	+3S	-450	-450	PASS
v28 - SD 0 Equal LSL	Avg	-450	-450	PASS
v28 - SD 0 Equal LSL	-3S	-450	-450	PASS
v28 - SD 0 Equal LSL	-4S	-450	-450	PASS
v28 - SD 0 Equal LSL	Max	-450	-450	PASS
v28 - SD 0 Equal LSL	Min	-450	-450	PASS
v28 - SD 0 Equal LSL	OSppm	0	0	PASS
v28 - SD 0 Equal LSL	CSppm			PASS
v28 - SD 0 Equal LSL	Cr	0	0	PASS
v28 - SD 0 Equal LSL	Tz	-1	-1	PASS
v28 - SD 0 Equal LSL	Cpk			PASS
v28 - SD 0 Equal LSL	%CV	0	0	PASS
v28 - SD 0 Equal LSL	Rule			PASS
v28 - SD 0 Equal LSL	S-mr	0	0	PASS
v28 - SD 0 Equal LSL	T-Dev	-900	-900	PASS
v28 - SD 0 Equal LSL	C-SD	0	0	PASS

v28 - SD 0 Equal LSL	+1.5S	-450	-450	PASS
v28 - SD 0 Equal LSL	C-AVG	-450	-450	PASS
v28 - SD 0 Equal LSL	-1.5S	-450	-450	PASS
v28 - SD 0 Equal LSL	M	-450	-450	PASS
v28 - SD 0 Equal LSL	OS%	0	0	PASS
v28 - SD 0 Equal LSL	CS%			PASS
v28 - SD 0 Equal LSL	R-AVG	0	0	PASS
v28 - SD 0 Equal LSL	R-UCL	0	0	PASS
v28 - SD 0 Equal LSL	R-UWL	0	0	PASS
v28 - SD 0 Equal LSL	R-LWL	0	0	PASS
v28 - SD 0 Equal LSL	Sum	-45000	-45000	PASS
v28 - SD 0 Equal LSL	LV	-450	-450	PASS
v28 - SD 0 Equal LSL	Sigma			PASS
v28 - SD 0 Equal LSL	CP			PASS
v28 - SD 0 Equal LSL	O < LWL%	100	100	PASS
v28 - SD 0 Equal LSL	O < LWL ppm	1000000	1000000	PASS
v28 - SD 0 Equal LSL	C < LWL%			PASS
v28 - SD 0 Equal LSL	C < LWL ppm			PASS
v28 - SD 0 Equal LSL	O < LCL%	100	100	PASS
v28 - SD 0 Equal LSL	O < LCL ppm	1000000	1000000	PASS
v28 - SD 0 Equal LSL	C < LCL%			PASS
v28 - SD 0 Equal LSL	C < LCL ppm			PASS
v28 - SD 0 Equal LSL	O<LWLn	100	100	PASS
v28 - SD 0 Equal LSL	C<LWLn			PASS
v28 - SD 0 Equal LSL	O<LCLn	100	100	PASS
v28 - SD 0 Equal LSL	C<LCLn			PASS
v28 - SD 0 Equal LSL	Osn	0	0	PASS
v28 - SD 0 Equal LSL	Csn			PASS
v28 - SD 0 Equal LSL	O<LSL%	0	0	PASS
v28 - SD 0 Equal LSL	O<LSLppm	0	0	PASS
v28 - SD 0 Equal LSL	O<LSLn	0	0	PASS
v28 - SD 0 Equal LSL	C<LSL%			PASS
v28 - SD 0 Equal LSL	C<LSLppm			PASS
v28 - SD 0 Equal LSL	C<LSLn			PASS
v28 - SD 0 Equal LSL	O<TGT%	100	100	PASS
v28 - SD 0 Equal LSL	O<TGTppm	1000000	1000000	PASS
v28 - SD 0 Equal LSL	O<TGTn	100	100	PASS
v28 - SD 0 Equal LSL	C<TGT%			PASS
v28 - SD 0 Equal LSL	C<TGTppm			PASS
v28 - SD 0 Equal LSL	C<TGTn			PASS
v28 - SD 0 Equal LSL	O=TGT%	0	0	PASS
v28 - SD 0 Equal LSL	O=TGTppm	0	0	PASS
v28 - SD 0 Equal LSL	O=TGTn	0	0	PASS
v28 - SD 0 Equal LSL	O>TGT%	0	0	PASS
v28 - SD 0 Equal LSL	O>TGTppm	0	0	PASS
v28 - SD 0 Equal LSL	O>TGTn	0	0	PASS
v28 - SD 0 Equal LSL	C>TGT%			PASS
v28 - SD 0 Equal LSL	C>TGTppm			PASS
v28 - SD 0 Equal LSL	C>TGTn			PASS
v28 - SD 0 Equal LSL	O>UWL%	0	0	PASS

v28 - SD 0 Equal LSL	O>UWLppm	0	0	PASS
v28 - SD 0 Equal LSL	O>UWLn	0	0	PASS
v28 - SD 0 Equal LSL	C>UWL%			PASS
v28 - SD 0 Equal LSL	C>UWLppm			PASS
v28 - SD 0 Equal LSL	C>UWLn			PASS
v28 - SD 0 Equal LSL	O>UCL%	0	0	PASS
v28 - SD 0 Equal LSL	O>UCLppm	0	0	PASS
v28 - SD 0 Equal LSL	O>UCLn	0	0	PASS
v28 - SD 0 Equal LSL	C>UCL%			PASS
v28 - SD 0 Equal LSL	C>UCLppm			PASS
v28 - SD 0 Equal LSL	C>UCLn			PASS
v28 - SD 0 Equal LSL	O>USL%	0	0	PASS
v28 - SD 0 Equal LSL	O>USLppm	0	0	PASS
v28 - SD 0 Equal LSL	O>USLn	0	0	PASS
v28 - SD 0 Equal LSL	C>USL%			PASS
v28 - SD 0 Equal LSL	C>USLppm			PASS
v28 - SD 0 Equal LSL	C>USLn			PASS
v28 - SD 0 Equal LSL	UCIoPPM	29802	29802	PASS
v28 - SD 0 Equal LSL	UCIcPPM			PASS
v29 - SD 0 Calc Limits	N	100	100	PASS
v29 - SD 0 Calc Limits	S-pop	0	0	PASS
v29 - SD 0 Calc Limits	+4S	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	+3S	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	Avg	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	-3S	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	-4S	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	Max	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	Min	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	OSppm			PASS
v29 - SD 0 Calc Limits	CSppm			PASS
v29 - SD 0 Calc Limits	Cr			PASS
v29 - SD 0 Calc Limits	Tz			PASS
v29 - SD 0 Calc Limits	Cpk			PASS
v29 - SD 0 Calc Limits	%CV	0	0	PASS
v29 - SD 0 Calc Limits	Rule			PASS
v29 - SD 0 Calc Limits	S-mr	0	0	PASS
v29 - SD 0 Calc Limits	T-Dev			PASS
v29 - SD 0 Calc Limits	C-SD	0	0	PASS
v29 - SD 0 Calc Limits	+1.5S	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	C-AVG	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	-1.5S	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	M	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	OS%			PASS
v29 - SD 0 Calc Limits	CS%			PASS
v29 - SD 0 Calc Limits	R-AVG	0	0	PASS
v29 - SD 0 Calc Limits	R-UCL	0	0	PASS
v29 - SD 0 Calc Limits	R-UWL	0	0	PASS
v29 - SD 0 Calc Limits	R-LWL	0	0	PASS
v29 - SD 0 Calc Limits	Sum	149999	149999	PASS
v29 - SD 0 Calc Limits	LV	1499.99	1499.99	PASS

v29 - SD 0 Calc Limits	Sigma	PASS
v29 - SD 0 Calc Limits	CP	PASS
v29 - SD 0 Calc Limits	O < LWL%	PASS
v29 - SD 0 Calc Limits	O < LWL ppm	PASS
v29 - SD 0 Calc Limits	C < LWL%	PASS
v29 - SD 0 Calc Limits	C < LWL ppm	PASS
v29 - SD 0 Calc Limits	O < LCL%	PASS
v29 - SD 0 Calc Limits	O < LCL ppm	PASS
v29 - SD 0 Calc Limits	C < LCL%	PASS
v29 - SD 0 Calc Limits	C < LCL ppm	PASS
v29 - SD 0 Calc Limits	O<LWLn	PASS
v29 - SD 0 Calc Limits	C<LWLn	PASS
v29 - SD 0 Calc Limits	O<LCLn	PASS
v29 - SD 0 Calc Limits	C<LCLn	PASS
v29 - SD 0 Calc Limits	Osn	PASS
v29 - SD 0 Calc Limits	Csn	PASS
v29 - SD 0 Calc Limits	O<LSL%	PASS
v29 - SD 0 Calc Limits	O<LSLppm	PASS
v29 - SD 0 Calc Limits	O<LSLn	PASS
v29 - SD 0 Calc Limits	C<LSL%	PASS
v29 - SD 0 Calc Limits	C<LSLppm	PASS
v29 - SD 0 Calc Limits	C<LSLn	PASS
v29 - SD 0 Calc Limits	O<TGT%	PASS
v29 - SD 0 Calc Limits	O<TGTppm	PASS
v29 - SD 0 Calc Limits	O<TGTn	PASS
v29 - SD 0 Calc Limits	C<TGT%	PASS
v29 - SD 0 Calc Limits	C<TGTppm	PASS
v29 - SD 0 Calc Limits	C<TGTn	PASS
v29 - SD 0 Calc Limits	O=TGT%	PASS
v29 - SD 0 Calc Limits	O=TGTppm	PASS
v29 - SD 0 Calc Limits	O=TGTn	PASS
v29 - SD 0 Calc Limits	O>TGT%	PASS
v29 - SD 0 Calc Limits	O>TGTppm	PASS
v29 - SD 0 Calc Limits	O>TGTn	PASS
v29 - SD 0 Calc Limits	C>TGT%	PASS
v29 - SD 0 Calc Limits	C>TGTppm	PASS
v29 - SD 0 Calc Limits	C>TGTn	PASS
v29 - SD 0 Calc Limits	O>UWL%	PASS
v29 - SD 0 Calc Limits	O>UWLppm	PASS
v29 - SD 0 Calc Limits	O>UWLn	PASS
v29 - SD 0 Calc Limits	C>UWL%	PASS
v29 - SD 0 Calc Limits	C>UWLppm	PASS
v29 - SD 0 Calc Limits	C>UWLn	PASS
v29 - SD 0 Calc Limits	O>UCL%	PASS
v29 - SD 0 Calc Limits	O>UCLppm	PASS
v29 - SD 0 Calc Limits	O>UCLn	PASS
v29 - SD 0 Calc Limits	C>UCL%	PASS
v29 - SD 0 Calc Limits	C>UCLppm	PASS
v29 - SD 0 Calc Limits	C>UCLn	PASS
v29 - SD 0 Calc Limits	O>USL%	PASS

v29 - SD 0 Calc Limits	O>USLppm	PASS
v29 - SD 0 Calc Limits	O>USLn	PASS
v29 - SD 0 Calc Limits	C>USL%	PASS
v29 - SD 0 Calc Limits	C>USLppm	PASS
v29 - SD 0 Calc Limits	C>USLn	PASS
v29 - SD 0 Calc Limits	UCIoPPM	PASS
v29 - SD 0 Calc Limits	UCIcPPM	PASS

Pass: 2367 Fail: 0 Formatting: 0

Known Issues with This Release

QW 5.00.0670 addresses all known issues reported since the last general release (QW 5.00.0645) with the exception of:

1. Printing charts under Windows ME
2. This version of QW5.0 runs under Asian versions of Windows. However, data entered using the Asian double character set is not supported.

Busitech is choosing to go forward with this release of QW 5 to replace the previous version due to significant advantages of this release. Any outstanding items will be prioritized and scheduled for the next or future release of QW 5.

The purpose of listing any known discrepancies is to ensure that:

1. The customer understands these discrepancies and properly considers them in their application.
2. Busitech has documentation on current versions discrepancies that will be prioritized and scheduled for the next of future release of QW 5.

Performance Qualification –PQ - not applicable or by Customer if needed.

QW 5.0 version 5.00.0670 has been properly tested and checked as per the validation protocol. All results match success criteria. All known issues have been identified and communicated to Busitech technical resources to be resolved by the next release.

Validated by:



Noel Windle
Busitech Validation Leader



Ray St Denis
Busitech Technical Director

We indicate that we have reviewed the information and concur with the indicated decision to consider QW 5.0 version 5.00.0670 IQ/OQ validated.