

Extraction Platform-A
Calibration 2007

Reference Extn
Fixed tips 100 ul

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 08/27/07
Technician: GSL

Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.99777
System Liquid: Nano Pure Water

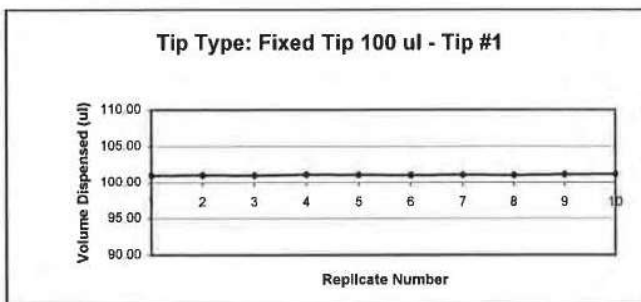
Across tips	
Mean	100.44
Std. Dev.	0.43
%CV	0.43
% Inaccuracy	0.4

Performance File: WaterWaste DT 1mL Fixed Tips_24082007.prf
Requested Volume (ul): 100

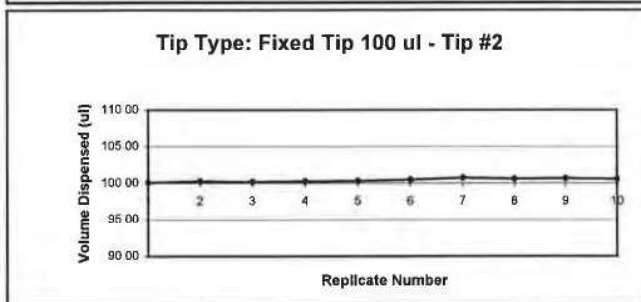
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-100ul-Run25

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	100.96	-0.10
1	2	101.04	-0.02
1	3	100.98	-0.08
1	4	101.11	0.05
1	5	101.07	0.01
1	6	101.02	-0.04
1	7	101.08	0.02
1	8	101.03	-0.03
1	9	101.13	0.07
1	10	101.17	0.11
2	1	100.07	-0.32
2	2	100.23	-0.16
2	3	100.17	-0.22
2	4	100.23	-0.16
2	5	100.26	-0.13
2	6	100.44	0.05
2	7	100.69	0.30
2	8	100.59	0.20
2	9	100.63	0.24
2	10	100.55	0.16
3	1	99.81	-0.52
3	2	100.53	0.20
3	3	100.05	-0.28
3	4	100.10	-0.23
3	5	100.13	-0.20
3	6	100.35	0.02
3	7	100.29	-0.04
3	8	100.36	0.03
3	9	100.73	0.40
3	10	100.97	0.64
4	1	100.02	-0.12
4	2	99.97	-0.17
4	3	99.90	-0.24
4	4	100.00	-0.14
4	5	100.06	-0.08
4	6	100.22	0.08
4	7	100.22	0.08
4	8	100.37	0.23
4	9	100.29	0.15
4	10	100.31	0.17
5	1	100.04	-0.23
5	2	100.07	-0.20

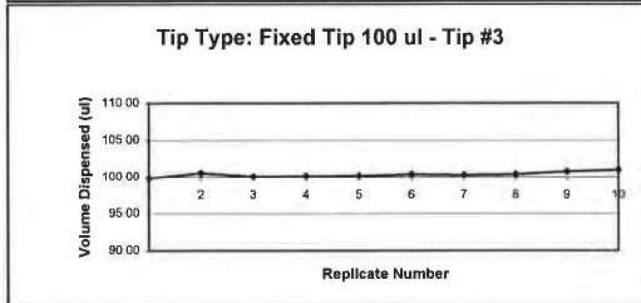
Tip # 1
Mean 101.06
Std. Dev. 0.07
% CV 0.07



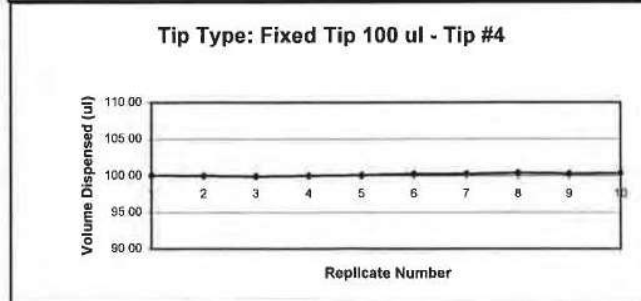
Tip # 2
Mean 100.39
Std. Dev. 0.22
% CV 0.22



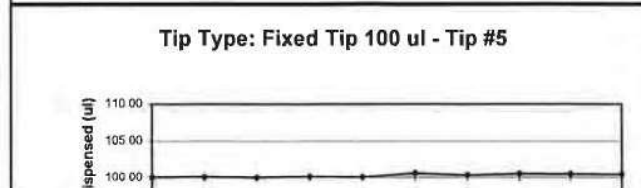
Tip # 3
Mean 100.33
Std. Dev. 0.34
% CV 0.34



Tip # 4
Mean 100.14
Std. Dev. 0.16
% CV 0.16



Tip # 5
Mean 100.27



5	3	99.98	-0.29
5	4	100.09	-0.18
5	5	100.05	-0.22
5	6	100.60	0.33
5	7	100.34	0.07
5	8	100.54	0.27
5	9	100.51	0.24
5	10	100.43	0.16
6	1	100.16	-0.56
6	2	100.30	-0.42
6	3	100.07	-0.65
6	4	100.56	-0.16
6	5	100.73	0.01
6	6	101.14	0.42
6	7	100.80	0.08
6	8	101.05	0.33
6	9	101.15	0.43
6	10	101.28	0.56
7	1	99.58	-0.46
7	2	99.64	-0.40
7	3	99.63	-0.41
7	4	99.67	-0.37
7	5	99.78	-0.26
7	6	100.05	0.01
7	7	100.35	0.31
7	8	100.27	0.23
7	9	100.33	0.29
7	10	101.10	1.06
8	1	100.34	-0.25
8	2	100.40	-0.19
8	3	100.39	-0.20
8	4	100.42	-0.17
8	5	100.29	-0.30
8	6	100.77	0.16
8	7	100.81	0.22
8	8	100.83	0.24
8	9	100.79	0.20
8	10	100.84	0.25

Std. Dev. 0.24
% CV 0.24

Tip # 6

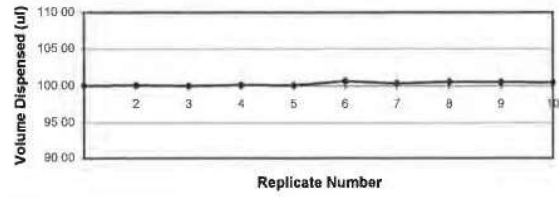
Mean 100.72
Std. Dev. 0.44
% CV 0.44

Tip # 7

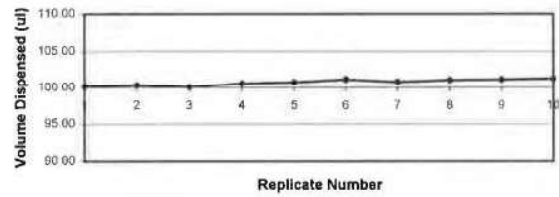
Mean 100.04
Std. Dev. 0.48
% CV 0.48

Tip # 8

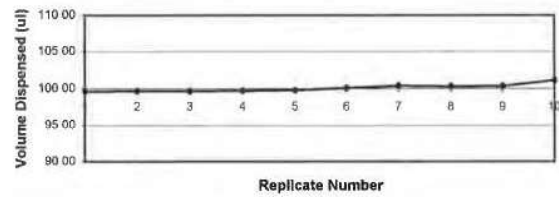
Mean 100.59
Std. Dev. 0.24
% CV 0.23



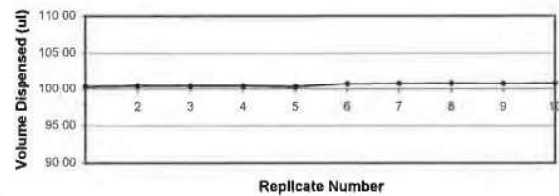
Tip Type: Fixed Tip 100 ul - Tip #6



Tip Type: Fixed Tip 100 ul - Tip #7



Tip Type: Fixed Tip 100 ul - Tip #8



Comment: 1mL FTWaterWaste mode (22 C) @ 100uL 24082007

Ref. extraction
fixed tips

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 08/24/07
Technician: GSL

Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.997538
System Liquid: Nano Pure Water

Across tips	
Mean	401.08
Std. Dev.	1.32
%CV	0.33
% Inaccuracy	0.3

Performance File: WaterWaste DT 1mL Fixed Tips_24082007.prf

Requested Volume (ul): 400

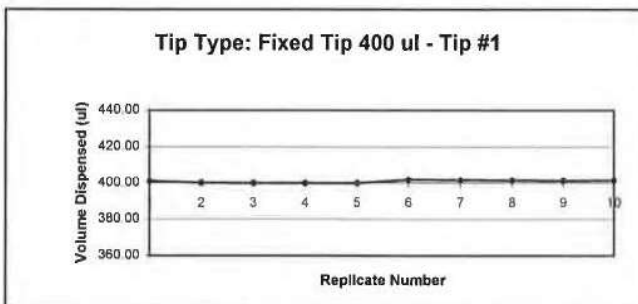
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-400ul-400ul-Run6

Tip # Repl # Dsp. Wt. # Std from Mean

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	400.89	0.18
1	2	399.98	-0.73
1	3	399.68	-1.03
1	4	399.68	-1.03
1	5	399.68	-1.03
1	6	401.69	0.98
1	7	401.49	0.78
1	8	401.39	0.68
1	9	401.19	0.48
1	10	401.39	0.68
2	1	401.69	-0.31
2	2	401.99	-0.01
2	3	402.09	0.09
2	4	401.89	-0.11
2	5	401.89	-0.11
2	6	402.59	0.59
2	7	402.49	0.49
2	8	402.99	0.99
2	9	399.68	-2.32
2	10	402.69	0.69
3	1	401.49	0.32
3	2	401.49	0.32
3	3	400.39	-0.78
3	4	401.39	0.22
3	5	400.99	-0.18
3	6	401.39	0.22
3	7	401.09	-0.08
3	8	400.99	-0.18
3	9	401.49	0.32
3	10	400.99	-0.18
4	1	399.88	-0.71
4	2	402.89	2.30
4	3	400.09	-0.50
4	4	399.88	-0.71
4	5	400.99	0.40
4	6	401.49	0.90
4	7	401.69	1.10
4	8	398.18	-2.41
4	9	399.88	-0.71
4	10	400.89	0.30
5	1	403.29	3.70
5	2	400.69	1.10

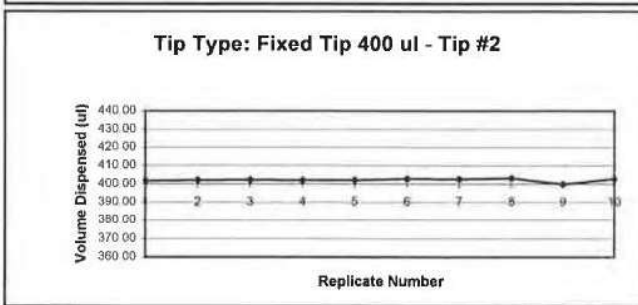
Tip # 1

Mean 400.71
Std. Dev. 0.85
% CV 0.21



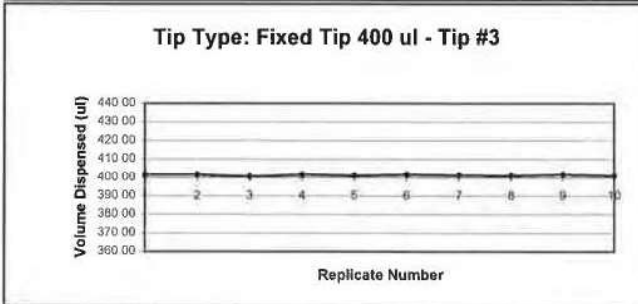
Tip # 2

Mean 402.00
Std. Dev. 0.92
% CV 0.23



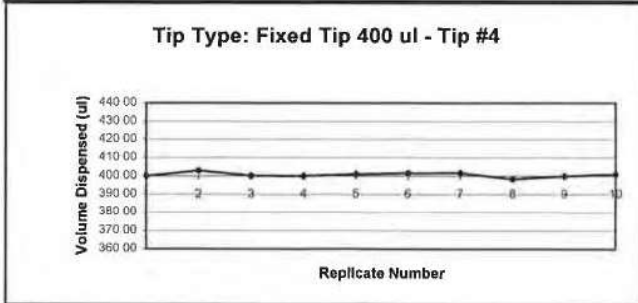
Tip # 3

Mean 401.17
Std. Dev. 0.35
% CV 0.09



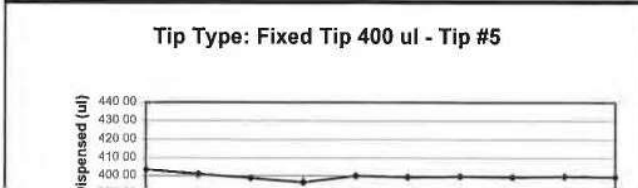
Tip # 4

Mean 400.59
Std. Dev. 1.30
% CV 0.32



Tip # 5

Mean 399.59



5	3	398.68	-0.91
5	4	396.28	-3.31
5	5	399.88	0.29
5	6	399.28	-0.31
5	7	399.58	-0.01
5	8	399.28	-0.31
5	9	399.58	-0.01
5	10	399.38	-0.21
6	1	401.49	-0.02
6	2	403.29	1.78
6	3	402.89	1.38
6	4	398.68	-2.83
6	5	401.69	0.18
6	6	400.29	-1.22
6	7	401.79	0.28
6	8	401.89	0.38
6	9	401.59	0.08
6	10	401.49	-0.02
7	1	401.69	0.85
7	2	399.08	-1.76
7	3	400.69	-0.15
7	4	400.59	-0.25
7	5	400.19	-0.65
7	6	398.58	-2.26
7	7	401.99	1.15
7	8	401.69	0.85
7	9	402.19	1.35
7	10	401.69	0.85
8	1	402.19	-0.04
8	2	401.99	-0.24
8	3	402.09	-0.14
8	4	401.99	-0.24
8	5	401.79	-0.44
8	6	402.59	0.36
8	7	402.49	0.26
8	8	402.49	0.26
8	9	402.39	0.16
8	10	402.29	0.06

Std. Dev. 1.73
% CV 0.43

Tip # 6

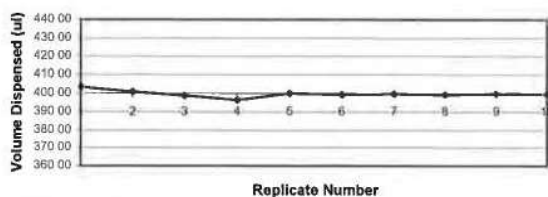
Mean 401.51
Std. Dev. 1.28
% CV 0.32

Tip # 7

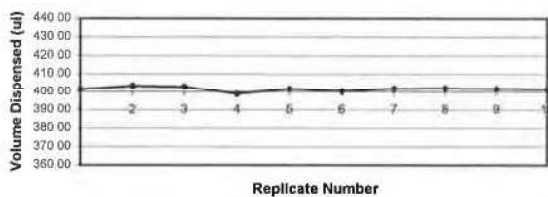
Mean 400.84
Std. Dev. 1.25
% CV 0.31

Tip # 8

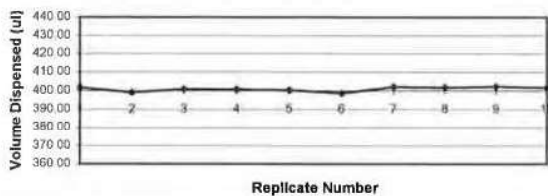
Mean 402.23
Std. Dev. 0.26
% CV 0.07



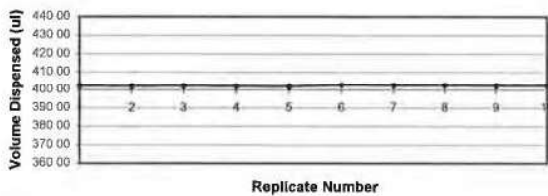
Tip Type: Fixed Tip 400 ul - Tip #6



Tip Type: Fixed Tip 400 ul - Tip #7



Tip Type: Fixed Tip 400 ul - Tip #8



Comment: 1mL FTWaterWaste mode (23 C) @ 400uL 24082007

Reference
fixed tips 700 ul

702.19 ul	701.94 ul	700.69 ul	700.39 ul	699.97 ul	699.79 ul	697.22 ul	701.89 ul
0.65	0.85	0.31	1.34	0.98	1.88	2.33	0.23
0.09%	0.12%	0.04%	0.19%	0.14%	0.27%	0.33%	0.03%
0.31%	0.28%	0.10%	0.06%	0.00%	0.03%	0.40%	0.27%
702.27	703.23	700.72	699.89	700.85	698.99	701.36	702.09
700.57	701.29	700.69	700.22	700.8	702.19	698.18	701.63
702.02	701.92	700.73	701.05	700.17	699.19	700.73	701.76
702.19	702.49	700.58	699.8	699.97	698.1	696.38	702.18
702.14	702.95	700.32	700.56	699.08	702.17	697.93	701.81
703	702.38	700.79	702.53	699.41	699.49	696.58	702.23
702.83	701.88	700.61	701.38	701.2	702.8	694.28	702.33
702.47	701.43	700.22	700.82	699.59	698.59	695.88	702.43
702.26	701.44	700.87	700.34	697.98	698.79	695.68	702.23
702.12	700.41	701.36	697.35	700.65	697.59	695.18	702.23

Mean = 700.54
SD = 1.97
%CV = 0.28
%Recal. = 75.1

Produce X cel

*Reference Extra
fixed tips*

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 08/24/07
 Technician: GSL

Tip Type: 1ml Fixed Tip
 Disposable Tip Lot #:N/A
 Sample Type: Nano Pure
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

Across tips	
Mean	700.54
Std. Dev.	1.97
%CV	0.28
% Inaccuracy	0.1

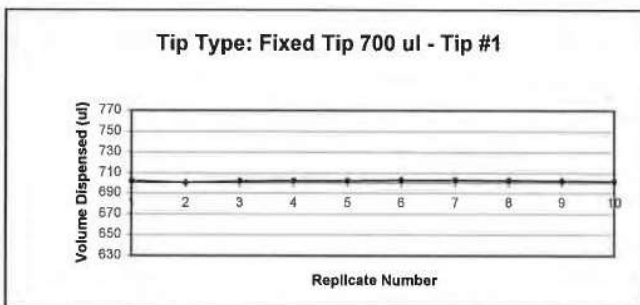
Performance File: WaterWaste DT 1mlFixed Tips_240820007.prf

Requested Volume (ul): 700

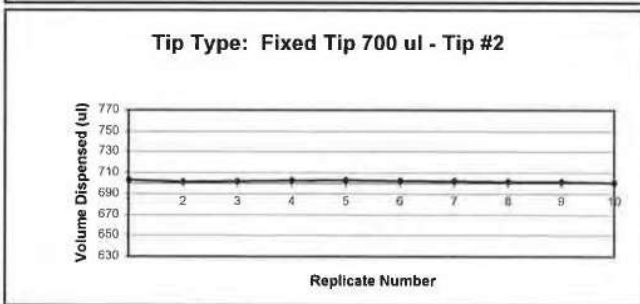
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-700ul-700ul

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	702.27	0.08
1	2	700.57	-1.62
1	3	702.02	-0.17
1	4	702.19	0.00
1	5	702.14	-0.05
1	6	703.00	0.81
1	7	702.83	0.64
1	8	702.47	0.28
1	9	702.26	0.07
1	10	702.12	-0.07
2	1	703.23	1.29
2	2	701.29	-0.65
2	3	701.92	-0.02
2	4	702.49	0.55
2	5	702.95	1.01
2	6	702.38	0.44
2	7	701.88	-0.06
2	8	701.43	-0.51
2	9	701.44	-0.50
2	10	700.41	-1.53
3	1	700.72	0.03
3	2	700.69	0.00
3	3	700.73	0.04
3	4	700.58	-0.11
3	5	700.32	-0.37
3	6	700.79	0.10
3	7	700.61	-0.08
3	8	700.22	-0.47
3	9	700.87	0.18
3	10	701.36	0.67
4	1	699.89	-0.50
4	2	700.22	-0.17
4	3	701.05	0.66
4	4	699.80	-0.59
4	5	700.56	0.17
4	6	702.53	2.14
4	7	701.38	0.99
4	8	700.82	0.43
4	9	700.34	-0.05
4	10	697.35	-3.04
5	1	700.85	0.88
5	2	700.80	0.83

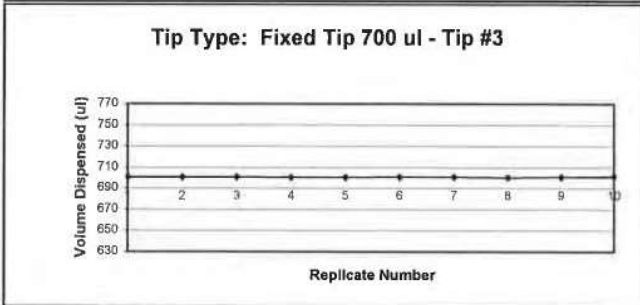
Tip # 1
 Mean 702.19
 Std. Dev. 0.65
 % CV 0.09



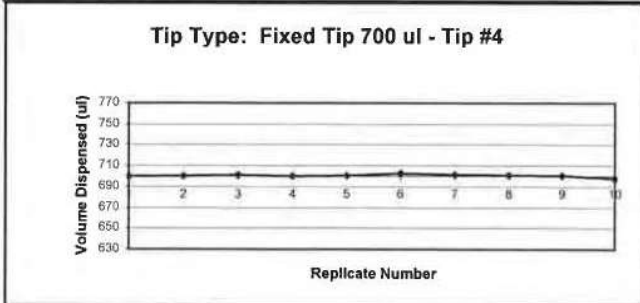
Tip # 2
 Mean 701.94
 Std. Dev. 0.85
 % CV 0.12



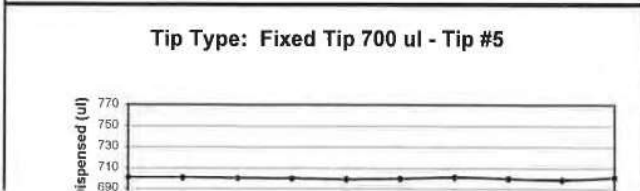
Tip # 3
 Mean 700.69
 Std. Dev. 0.31
 % CV 0.04



Tip # 4
 Mean 700.39
 Std. Dev. 1.34
 % CV 0.19



Tip # 5
 Mean 699.97



5	3	700.17	0.20
5	4	699.97	0.00
5	5	699.08	-0.89
5	6	699.41	-0.56
5	7	701.20	1.23
5	8	699.59	-0.38
5	9	697.98	-1.99
5	10	700.65	0.68
6	1	698.99	-0.80
6	2	702.19	2.40
6	3	699.19	-0.60
6	4	698.10	-1.69
6	5	702.17	2.38
6	6	699.49	-0.30
6	7	702.80	3.01
6	8	698.59	-1.20
6	9	698.79	-1.00
6	10	697.59	-2.20
7	1	701.36	4.14
7	2	698.18	0.96
7	3	700.73	3.51
7	4	696.38	-0.84
7	5	697.93	0.71
7	6	696.58	-0.64
7	7	694.28	-2.94
7	8	695.88	-1.34
7	9	695.68	-1.54
7	10	695.18	-2.04
8	1	702.09	0.00
8	2	701.63	-0.46
8	3	701.76	-0.33
8	4	702.18	0.09
8	5	701.81	-0.28
8	6	702.23	0.14
8	7	702.33	0.24
8	8	702.43	0.34
8	9	702.23	0.14
8	10	702.23	0.14

Std. Dev. 0.98
% CV 0.14

Tip # 6

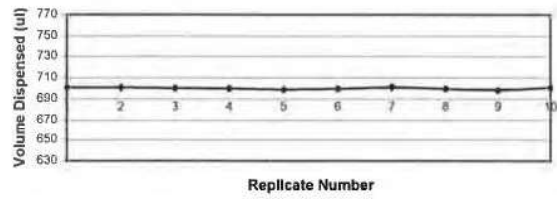
Mean 699.79
Std. Dev. 1.88
% CV 0.27

Tip # 7

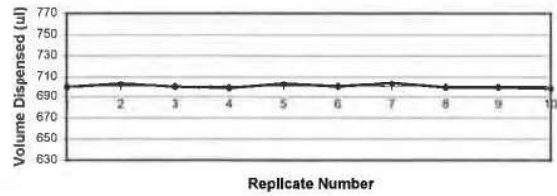
Mean 697.22
Std. Dev. 2.33
% CV 0.33

Tip # 8

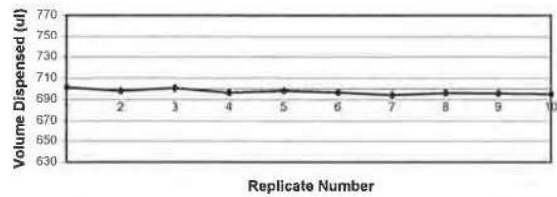
Mean 702.09
Std. Dev. 0.27
% CV 0.04



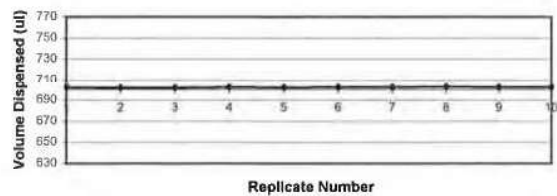
Tip Type: Fixed Tip 700 ul - Tip #6



Tip Type: Fixed Tip 700 ul - Tip #7



Tip Type: Fixed Tip 700 ul - Tip #8



Comment: 1mL Fixed Tip_WaterWaste mode (23C) @ 700uL 24082007

*Ref. extra
Fixed tips*

Balance Test Results

Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 08/24/07
 Technician: GSL

Tip Type: Fixed Tip
 Disposable Tip Lot #: N/A
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997296
 System Liquid: Nano Pure Water

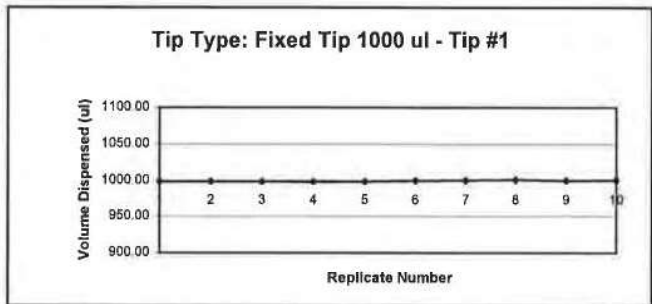
Across tips	
Mean	999.18
Std. Dev.	1.31
%CV	0.13
% Inaccuracy	0.1

Performance File: WaterWaste DT 1mL Fixed Tips_24082007.prf
 Requested Volume (ul): 1000

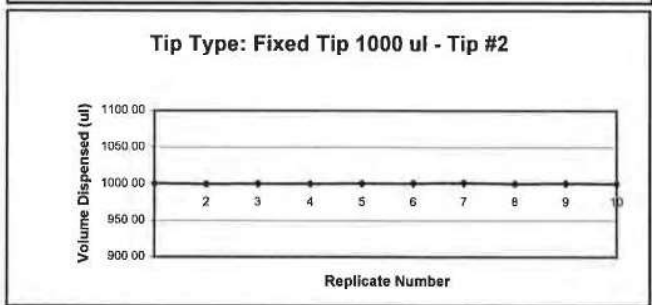
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-1000ul-Run30

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	998.45	-0.92
1	2	998.64	-0.73
1	3	998.63	-0.74
1	4	998.12	-1.25
1	5	998.34	-1.03
1	6	999.95	0.58
1	7	1000.38	1.01
1	8	1001.16	1.79
1	9	999.98	0.61
1	10	1000.09	0.72
2	1	1000.63	0.17
2	2	999.69	-0.77
2	3	1000.17	-0.29
2	4	1000.06	-0.40
2	5	1000.72	0.26
2	6	1000.59	0.13
2	7	1001.55	1.09
2	8	1000.30	-0.16
2	9	1000.67	0.21
2	10	1000.21	-0.25
3	1	996.68	-1.44
3	2	996.96	-1.16
3	3	997.10	-1.02
3	4	996.94	-1.18
3	5	997.96	-0.16
3	6	999.46	1.34
3	7	998.57	0.45
3	8	999.22	1.10
3	9	999.08	0.96
3	10	999.22	1.10
4	1	998.60	-0.78
4	2	999.25	-0.13
4	3	998.49	-0.89
4	4	1001.10	1.72
4	5	1000.82	1.44
4	6	1001.21	1.83
4	7	1001.17	1.79
4	8	996.69	-2.69
4	9	998.50	-0.88
4	10	998.00	-1.38
5	1	998.41	-0.19
5	2	998.45	-0.15

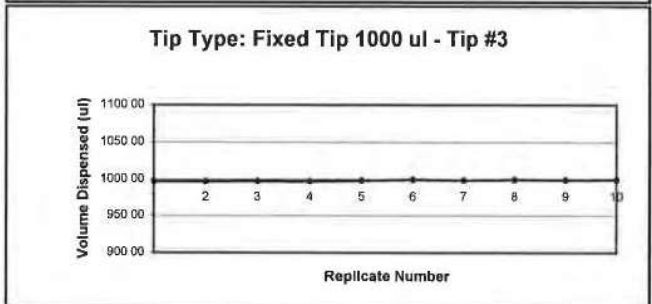
Tip # 1
 Mean 999.37
 Std. Dev. 1.05
 % CV 0.11



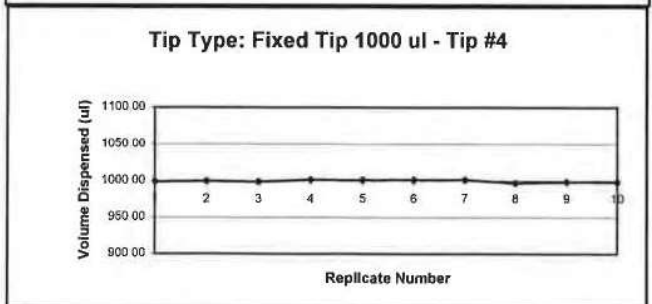
Tip # 2
 Mean 1000.46
 Std. Dev. 0.50
 % CV 0.05



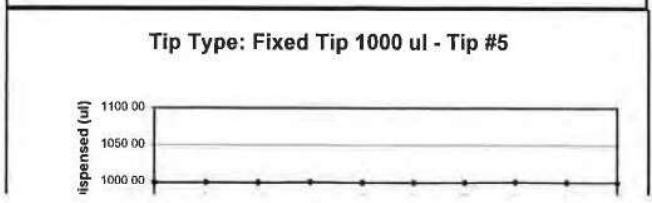
Tip # 3
 Mean 998.12
 Std. Dev. 1.12
 % CV 0.11



Tip # 4
 Mean 999.38
 Std. Dev. 1.60
 % CV 0.16



Tip # 5
 Mean 998.60



5	3	998.71	0.11
5	4	998.88	0.28
5	5	998.43	-0.17
5	6	998.23	-0.37
5	7	998.66	0.06
5	8	999.16	0.56
5	9	998.39	-0.21
5	10	998.64	0.04
6	1	998.82	-1.32
6	2	998.99	-1.15
6	3	999.11	-1.03
6	4	1000.35	0.21
6	5	1000.13	-0.01
6	6	1000.92	0.78
6	7	1000.79	0.65
6	8	1001.03	0.89
6	9	1000.62	0.48
6	10	1000.61	0.47
7	1	997.36	-0.23
7	2	997.02	-0.57
7	3	996.60	-0.99
7	4	996.40	-1.19
7	5	998.57	0.98
7	6	999.03	1.44
7	7	998.74	1.15
7	8	996.86	-0.73
7	9	998.58	0.99
7	10	996.76	-0.83
8	1	999.80	-0.01
8	2	999.34	-0.47
8	3	999.50	-0.31
8	4	999.48	-0.33
8	5	999.27	-0.54
8	6	999.53	-0.28
8	7	999.93	0.12
8	8	999.84	0.03
8	9	1000.21	0.40
8	10	1001.22	1.41

Std. Dev. 0.27
% CV 0.03

Tip # 6

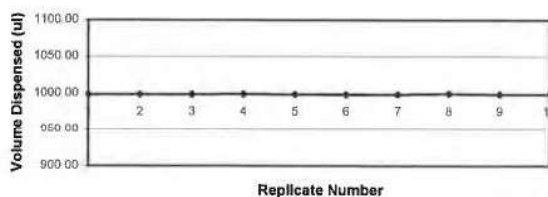
Mean 1000.14
Std. Dev. 0.85
% CV 0.08

Tip # 7

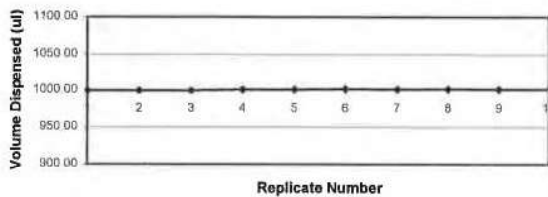
Mean 997.59
Std. Dev. 1.02
% CV 0.10

Tip # 8

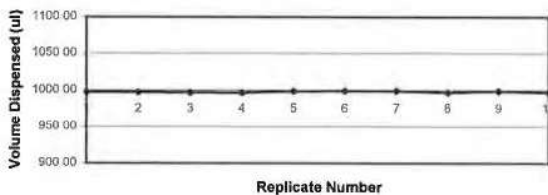
Mean 999.81
Std. Dev. 0.57
% CV 0.06



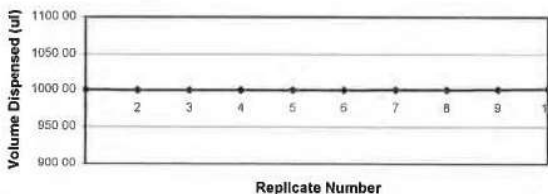
Tip Type: Fixed Tip 1000 ul - Tip #6



Tip Type: Fixed Tip 1000 ul - Tip #7



Tip Type: Fixed Tip 1000 ul - Tip #8



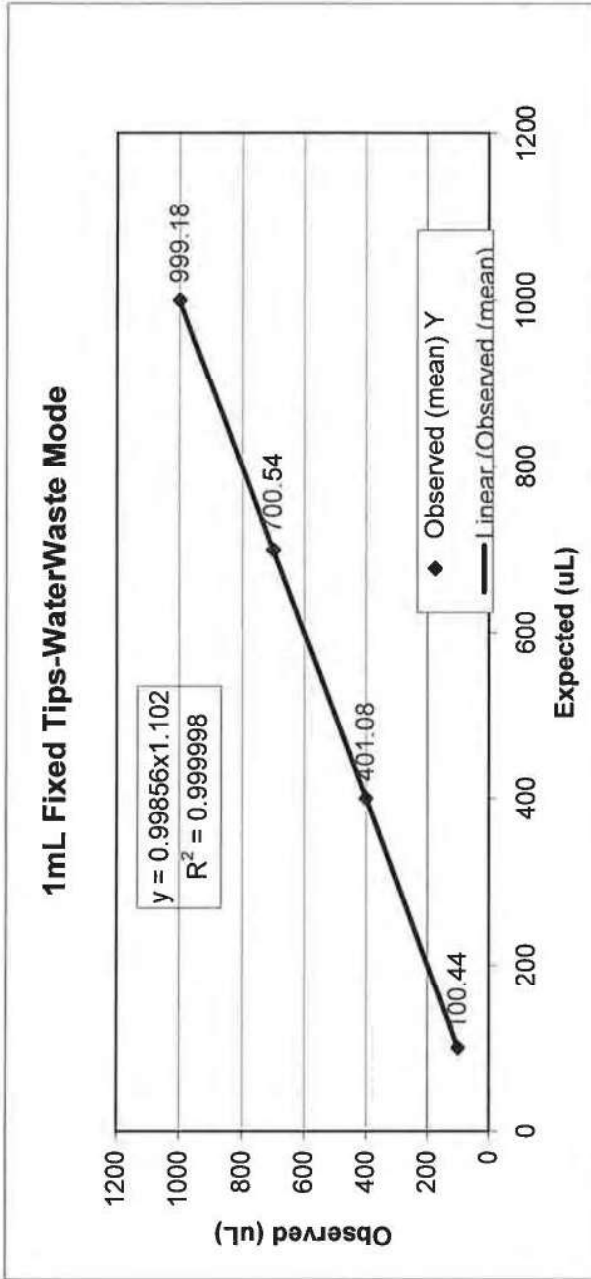
Comment: 1mL FTWaterWaste mode (24 C) @ 1000uL 24082007

Gravimetric Assessment REF Extraction 1 mL Fixed Tips - WaterWaste mode (27082007)

Expected X Observed (mean) Y

1000	999.18
700	700.54
400	401.08
100	100.44

Slope 0.99856
 Offset 1.102
 R2 0.999998



*Rep Ext.
fixed tips
Vol = 50 µL*

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 08/29/07
 Technician: BG

Tip Type: Fixed Tip
 Disposable Tip Lot #: N/A
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.99777
 System Liquid: Nano Pure Water

Across tips	
Mean	50.77
Std. Dev.	0.54
%CV	1.07
% Inaccuracy	1.5

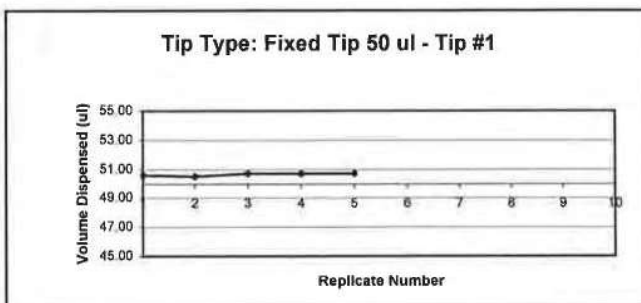
Performance File: WaterWaste DT 1mL Fixed Tips_FW_27082007.prf

Requested Volume (ul): 50

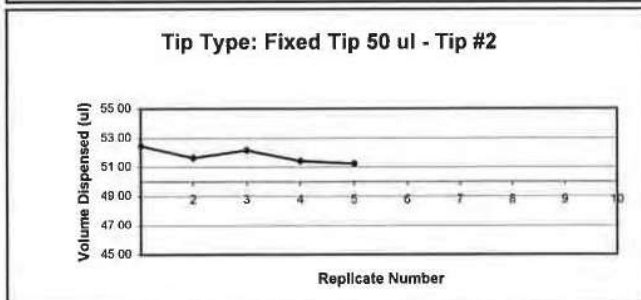
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-50ul-50ul-Run7

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	50.61	-0.04
1	2	50.51	-0.14
1	3	50.71	0.06
1	4	50.71	0.06
1	5	50.71	0.06
1	6		-50.65
1	7		-50.65
1	8		-50.65
1	9		-50.65
1	10		-50.65
2	1	52.42	0.66
2	2	51.62	-0.14
2	3	52.12	0.36
2	4	51.41	-0.35
2	5	51.21	-0.55
2	6		-51.76
2	7		-51.76
2	8		-51.76
2	9		-51.76
2	10		-51.76
3	1	50.61	0.00
3	2	50.51	-0.10
3	3	50.81	0.20
3	4	50.71	0.10
3	5	50.41	-0.20
3	6		-50.61
3	7		-50.61
3	8		-50.61
3	9		-50.61
3	10		-50.61
4	1	51.31	0.44
4	2	51.11	0.24
4	3	50.91	0.04
4	4	50.61	-0.26
4	5	50.41	-0.46
4	6		-50.87
4	7		-50.87
4	8		-50.87
4	9		-50.87
4	10		-50.87
5	1	49.91	-0.04
5	2	49.91	-0.04

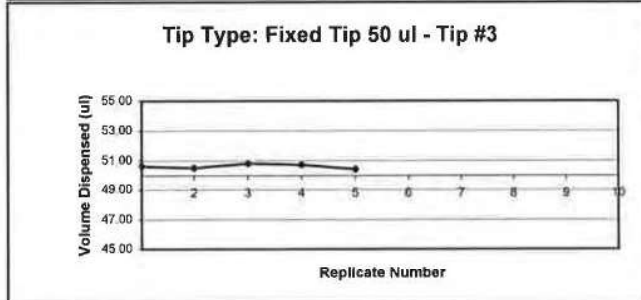
Tip # 1
 Mean 50.65
 Std. Dev. 0.09
 % CV 0.18



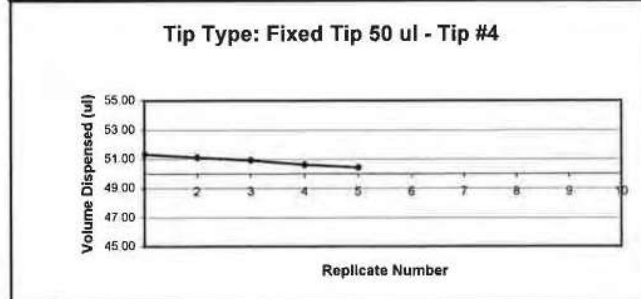
Tip # 2
 Mean 51.76
 Std. Dev. 0.50
 % CV 0.97



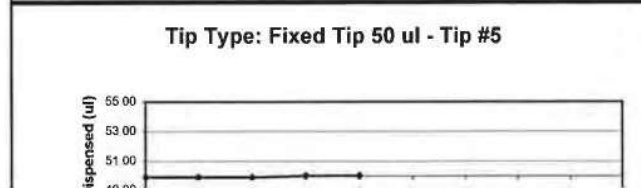
Tip # 3
 Mean 50.61
 Std. Dev. 0.16
 % CV 0.31



Tip # 4
 Mean 50.87
 Std. Dev. 0.36
 % CV 0.72



Tip # 5
 Mean 49.95



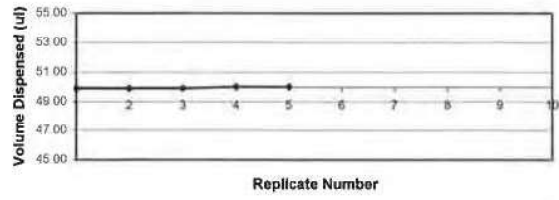
5	3	49.91	-0.04
5	4	50.01	0.06
5	5	50.01	0.06
5	6		-49.95
5	7		-49.95
5	8		-49.95
5	9		-49.95
5	10		-49.95
6	1	51.31	0.48
6	2	50.91	0.08
6	3	50.71	-0.12
6	4	50.51	-0.32
6	5	50.71	-0.12
6	6		-50.83
6	7		-50.83
6	8		-50.83
6	9		-50.83
6	10		-50.83
7	1	50.41	-0.08
7	2	50.91	0.42
7	3	50.61	0.12
7	4	50.21	-0.28
7	5	50.31	-0.18
7	6		-50.49
7	7		-50.49
7	8		-50.49
7	9		-50.49
7	10		-50.49
8	1	50.81	-0.18
8	2	51.01	0.02
8	3	51.11	0.12
8	4	50.91	-0.08
8	5	51.11	0.12
8	6		-50.99
8	7		-50.99
8	8		-50.99
8	9		-50.99
8	10		-50.99

Std. Dev. 0.05
% CV 0.11

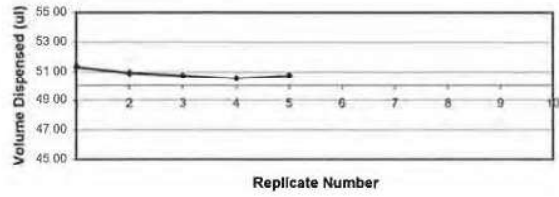
Tip # 6
Mean 50.83
Std. Dev. 0.30
% CV 0.60

Tip # 7
Mean 50.49
Std. Dev. 0.28
% CV 0.55

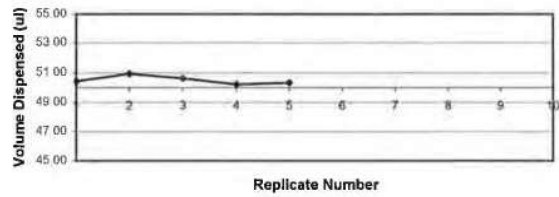
Tip # 8
Mean 50.99
Std. Dev. 0.13
% CV 0.26



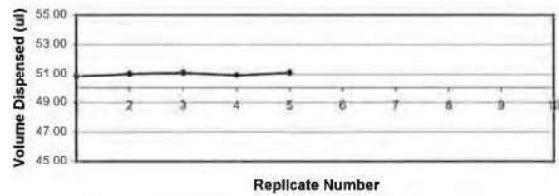
Tip Type: Fixed Tip 50 ul - Tip #6



Tip Type: Fixed Tip 50 ul - Tip #7



Tip Type: Fixed Tip 50 ul - Tip #8



Comment: 1mL FTWaterWaste mode (22 C) calibrate@ 50uL Newslope&Offset 29082007

Reference Extra

New Slope / offset

Fixed Tips

Balance Test Results

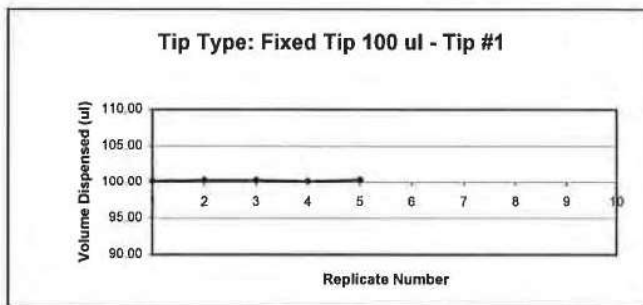
Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 08/27/07
 Technician: GSL
 Performance File: WaterWaste DT 1mL Fixed Tips_FW_27082007.prf
 Requested Volume (ul): 100

Tip Type: Fixed Tip
 Disposable Tip Lot #: N/A
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.99777
 System Liquid: Nano Pure Water
 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-0ul-Run1

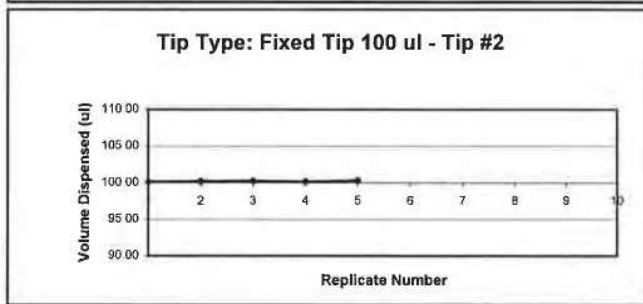
Across tips	
Mean	100.19
Std. Dev.	0.46
%CV	0.46
% Inaccuracy	0.2

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	100.18	-0.07
1	2	100.29	0.04
1	3	100.29	0.04
1	4	100.14	-0.11
1	5	100.34	0.09
1	6		-100.25
1	7		-100.25
1	8		-100.25
1	9		-100.25
1	10		-100.25
2	1	100.12	-0.08
2	2	100.18	-0.02
2	3	100.23	0.03
2	4	100.17	-0.03
2	5	100.28	0.08
2	6		-100.20
2	7		-100.20
2	8		-100.20
2	9		-100.20
2	10		-100.20
3	1	99.79	-0.61
3	2	100.45	0.05
3	3	100.64	0.24
3	4	100.67	0.27
3	5	100.43	0.03
3	6		-100.40
3	7		-100.40
3	8		-100.40
3	9		-100.40
3	10		-100.40
4	1	100.62	0.21
4	2	100.66	0.25
4	3	100.23	-0.18
4	4	100.37	-0.04
4	5	100.19	-0.22
4	6		-100.41
4	7		-100.41
4	8		-100.41
4	9		-100.41
4	10		-100.41
5	1	100.17	0.10
5	2	100.12	0.05

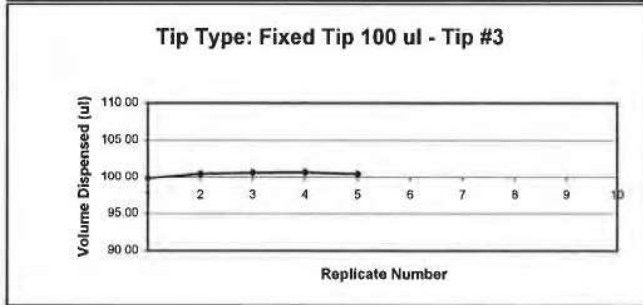
Tip # 1
 Mean 100.25
 Std. Dev. 0.08
 % CV 0.08



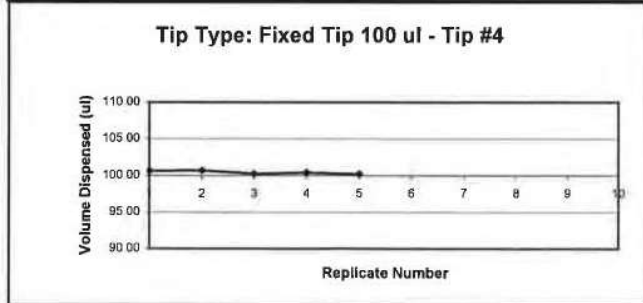
Tip # 2
 Mean 100.20
 Std. Dev. 0.06
 % CV 0.06



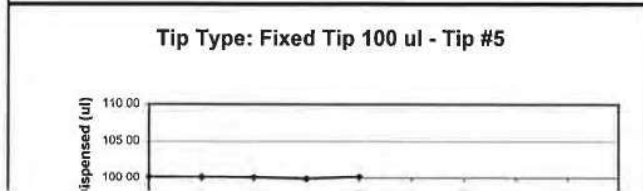
Tip # 3
 Mean 100.40
 Std. Dev. 0.36
 % CV 0.35



Tip # 4
 Mean 100.41
 Std. Dev. 0.22
 % CV 0.22



Tip # 5
 Mean 100.07



5	3	100.08	0.01
5	4	99.85	-0.22
5	5	100.15	0.08
5	6		-100.07
5	7		-100.07
5	8		-100.07
5	9		-100.07
5	10		-100.07
6	1	100.54	0.04
6	2	100.50	0.00
6	3	100.60	0.10
6	4	100.36	-0.14
6	5	100.49	-0.01
6	6		-100.50
6	7		-100.50
6	8		-100.50
6	9		-100.50
6	10		-100.50
7	1	99.23	0.08
7	2	99.09	-0.06
7	3	99.22	0.07
7	4	98.91	-0.24
7	5	99.32	0.17
7	6		-99.15
7	7		-99.15
7	8		-99.15
7	9		-99.15
7	10		-99.15
8	1	100.47	-0.09
8	2	100.44	-0.12
8	3	100.32	-0.24
8	4	100.55	-0.01
8	5	101.02	0.46
8	6		-100.56
8	7		-100.56
8	8		-100.56
8	9		-100.56
8	10		-100.56

Std. Dev. 0.13
% CV 0.13

Tip # 6

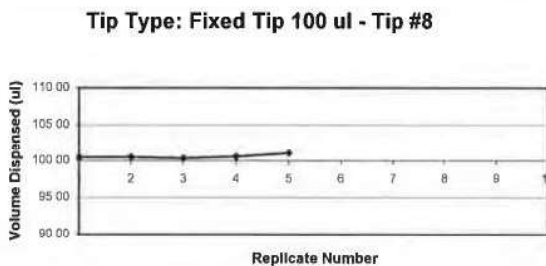
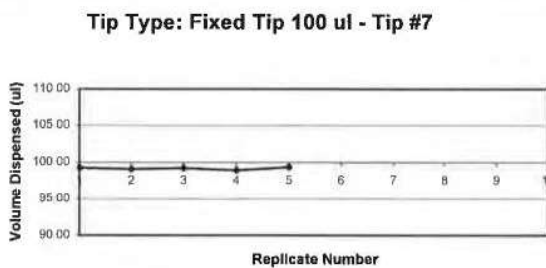
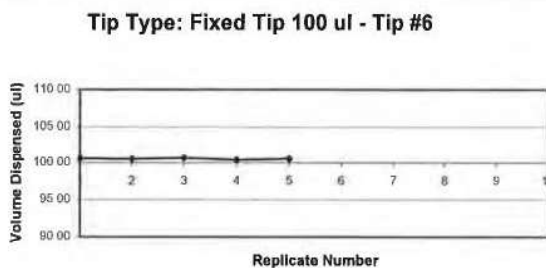
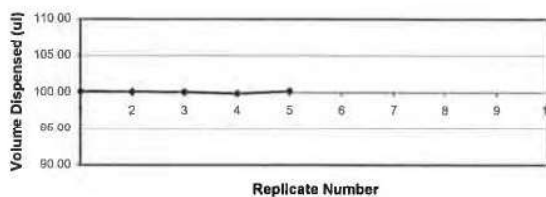
Mean 100.50
Std. Dev. 0.09
% CV 0.09

Tip # 7

Mean 99.15
Std. Dev. 0.16
% CV 0.16

Tip # 8

Mean 100.56
Std. Dev. 0.27
% CV 0.27



Comment: 1mL FTWaterWaste mode (22 C) @ 100uL with NewSlope & Offset27082007

Reference Extr
New Slope/offset
Fixed Tips

Balance Test Results

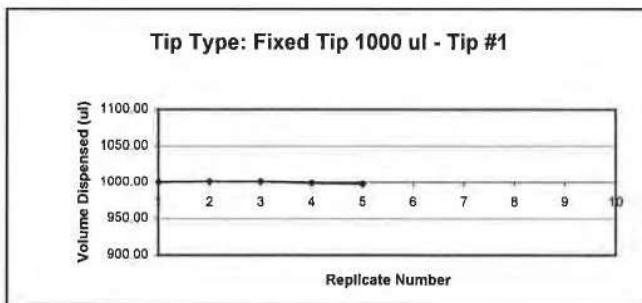
Model: MPlI HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 08/27/07
 Technician: GSL
 Performance File: WaterWaste DT 1mL Fixed Tips_FW_27082007.prf
 Requested Volume (ul): 1000

Tip Type: Fixed Tip
 Disposable Tip Lot #: N/A
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.99777
 System Liquid: Nano Pure Water
 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-0ul-Run1

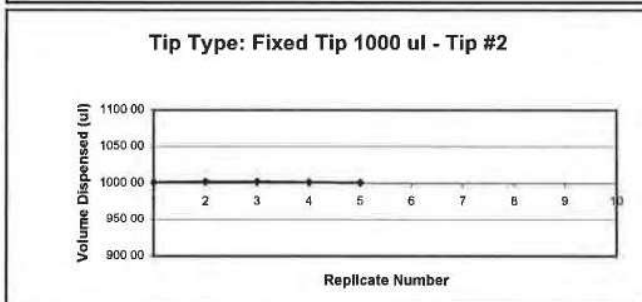
Across tips	
Mean	999.28
Std. Dev.	1.74
%CV	0.17
% Inaccuracy	0.1

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	1000.42	0.61
1	2	1000.96	1.15
1	3	1001.26	1.45
1	4	998.70	-1.11
1	5	997.70	-2.11
1	6		-999.81
1	7		-999.81
1	8		-999.81
1	9		-999.81
1	10		-999.81
2	1	1000.92	-0.39
2	2	1002.13	0.82
2	3	1001.90	0.59
2	4	1001.09	-0.22
2	5	1000.50	-0.81
2	6		-1001.31
2	7		-1001.31
2	8		-1001.31
2	9		-1001.31
2	10		-1001.31
3	1	999.40	0.51
3	2	1000.50	1.61
3	3	998.20	-0.69
3	4	998.21	-0.68
3	5	998.12	-0.77
3	6		-998.89
3	7		-998.89
3	8		-998.89
3	9		-998.89
3	10		-998.89
4	1	1001.54	1.86
4	2	1000.28	0.60
4	3	997.61	-2.07
4	4	999.87	0.19
4	5	999.11	-0.57
4	6		-999.68
4	7		-999.68
4	8		-999.68
4	9		-999.68
4	10		-999.68
5	1	1001.35	1.83
5	2	1001.29	1.77

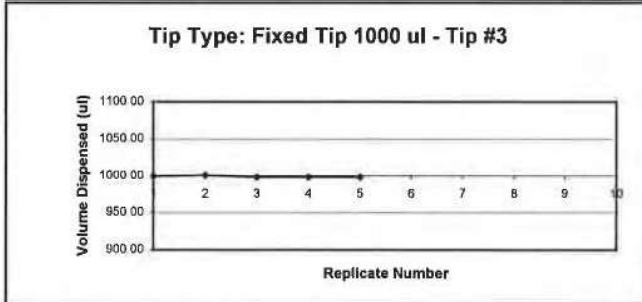
Tip # 1
 Mean 999.81
 Std. Dev. 1.54
 % CV 0.15



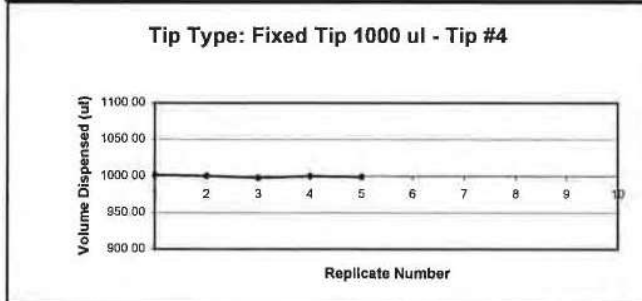
Tip # 2
 Mean 1001.31
 Std. Dev. 0.69
 % CV 0.07



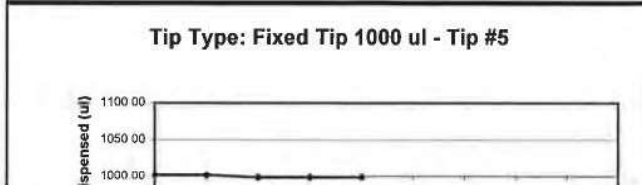
Tip # 3
 Mean 998.89
 Std. Dev. 1.05
 % CV 0.10



Tip # 4
 Mean 999.68
 Std. Dev. 1.45
 % CV 0.15



Tip # 5
 Mean 999.52



5	3	998.19	-1.33
5	4	998.28	-1.24
5	5	998.50	-1.02
5	6		-999.52
5	7		-999.52
5	8		-999.52
5	9		-999.52
5	10		-999.52
6	1	1001.96	1.58
6	2	999.67	-0.71
6	3	1001.98	1.60
6	4	998.04	-2.34
6	5	1000.24	-0.14
6	6		-1000.38
6	7		-1000.38
6	8		-1000.38
6	9		-1000.38
6	10		-1000.38
7	1	998.77	1.04
7	2	998.56	0.83
7	3	997.04	-0.69
7	4	997.34	-0.39
7	5	996.92	-0.81
7	6		-997.73
7	7		-997.73
7	8		-997.73
7	9		-997.73
7	10		-997.73
8	1	997.42	0.46
8	2	996.92	-0.04
8	3	996.92	-0.04
8	4	996.72	-0.24
8	5	996.82	-0.14
8	6		-996.96
8	7		-996.96
8	8		-996.96
8	9		-996.96
8	10		-996.96

Std. Dev. 1.65
% CV 0.16

Tip # 6

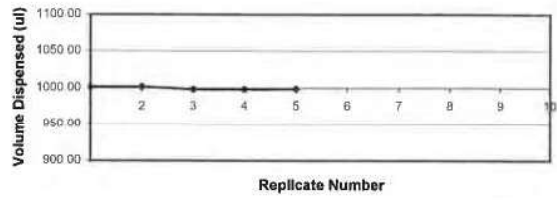
Mean 1000.38
Std. Dev. 1.66
% CV 0.17

Tip # 7

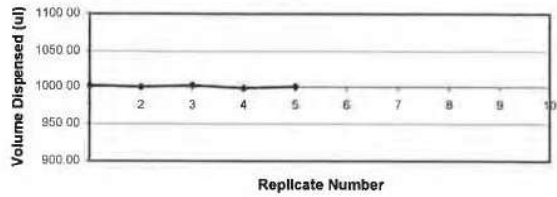
Mean 997.73
Std. Dev. 0.87
% CV 0.09

Tip # 8

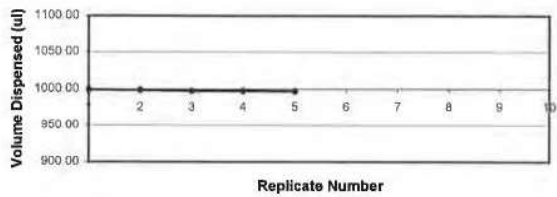
Mean 996.96
Std. Dev. 0.27
% CV 0.03



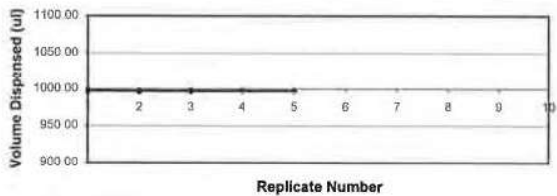
Tip Type: Fixed Tip 1000 ul - Tip #6



Tip Type: Fixed Tip 1000 ul - Tip #7



Tip Type: Fixed Tip 1000 ul - Tip #8



Comment: 1mL FTWaterWaste mode (22 C) @ 1000uL with NewSlope & Offset27082007

Reference Extn
Fixed Tips

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 08/28/07
Technician: GSL

Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.99777
System Liquid: Nano Pure Water

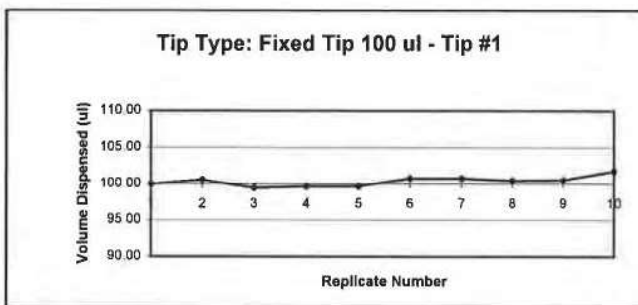
Across tips	
Mean	100.32
Std. Dev.	0.47
%CV	0.47
% Inaccuracy	0.3

Performance File: WaterBlowout DT 1mL Fixed Tips_FW_27082007.prf
Requested Volume (ul): 100 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-100ul-Run26

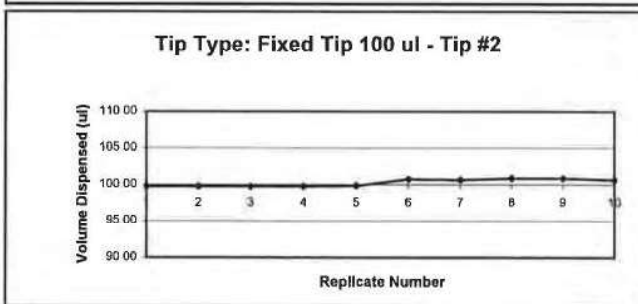
Tip # Repl Dsp. Wt. # Std from
Mean

1	1	99.92	-0.40
1	2	100.52	0.20
1	3	99.42	-0.90
1	4	99.62	-0.70
1	5	99.62	-0.70
1	6	100.72	0.40
1	7	100.72	0.40
1	8	100.42	0.10
1	9	100.52	0.20
1	10	101.73	1.41
2	1	99.72	-0.51
2	2	99.72	-0.51
2	3	99.72	-0.51
2	4	99.72	-0.51
2	5	99.82	-0.41
2	6	100.72	0.49
2	7	100.62	0.39
2	8	100.82	0.59
2	9	100.82	0.59
2	10	100.62	0.39
3	1	99.82	-0.45
3	2	100.52	0.25
3	3	100.22	-0.05
3	4	100.32	0.05
3	5	100.12	-0.15
3	6	100.22	-0.05
3	7	100.52	0.25
3	8	100.52	0.25
3	9	100.22	-0.05
3	10	100.22	-0.05
4	1	99.62	-0.52
4	2	100.02	-0.12
4	3	99.92	-0.22
4	4	100.02	-0.12
4	5	99.92	-0.22
4	6	100.62	0.48
4	7	100.52	0.38
4	8	100.72	0.58
4	9	100.02	-0.12
4	10	100.02	-0.12
5	1	99.82	-0.30
5	2	100.02	-0.10

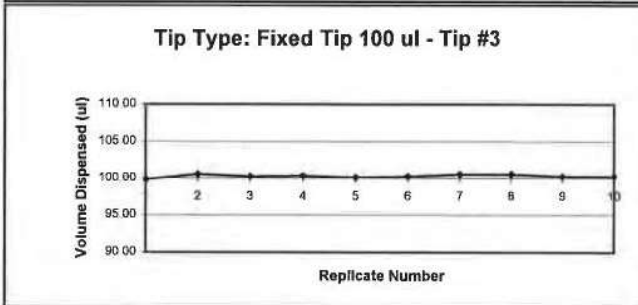
Tip # 1
Mean 100.32
Std. Dev. 0.70
% CV 0.69



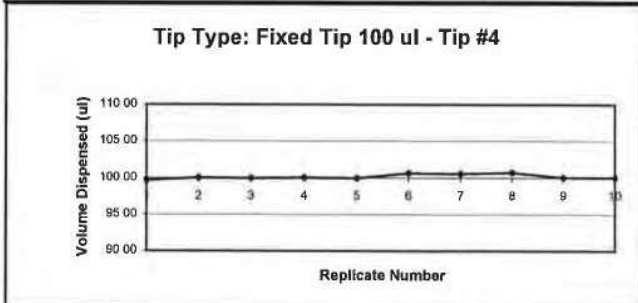
Tip # 2
Mean 100.23
Std. Dev. 0.52
% CV 0.52



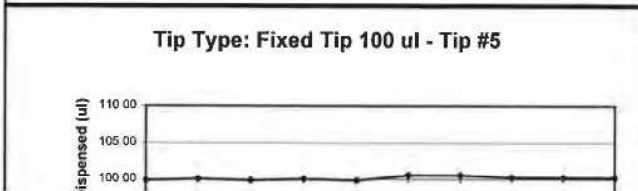
Tip # 3
Mean 100.27
Std. Dev. 0.22
% CV 0.22



Tip # 4
Mean 100.14
Std. Dev. 0.36
% CV 0.35



Tip # 5
Mean 100.12



5	3	99.82	-0.30
5	4	100.02	-0.10
5	5	99.82	-0.30
5	6	100.52	0.40
5	7	100.52	0.40
5	8	100.22	0.10
5	9	100.22	0.10
5	10	100.22	0.10
6	1	100.12	-0.29
6	2	100.42	0.01
6	3	100.22	-0.19
6	4	100.52	0.11
6	5	100.32	-0.09
6	6	100.62	0.21
6	7	100.82	0.41
6	8	100.22	-0.19
6	9	100.62	0.21
6	10	100.22	-0.19
7	1	100.12	-0.31
7	2	100.02	-0.41
7	3	99.92	-0.51
7	4	100.22	-0.21
7	5	100.02	-0.41
7	6	100.12	-0.31
7	7	100.42	-0.01
7	8	100.52	0.09
7	9	100.52	0.09
7	10	102.43	2.00
8	1	100.52	-0.08
8	2	101.13	0.53
8	3	101.13	0.53
8	4	101.03	0.43
8	5	100.42	-0.18
8	6	100.52	-0.08
8	7	100.52	-0.08
8	8	100.42	-0.18
8	9	100.42	-0.18
8	10	99.92	-0.68

Std. Dev. 0.27
% CV 0.27

Tip # 6

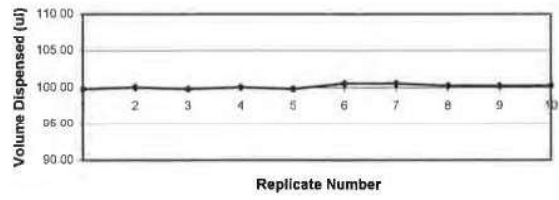
Mean 100.41
Std. Dev. 0.23
% CV 0.23

Tip # 7

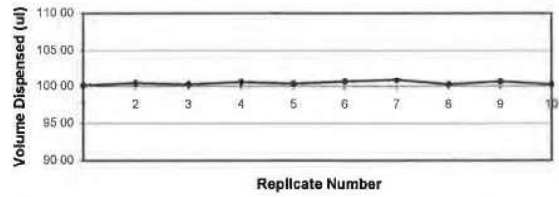
Mean 100.43
Std. Dev. 0.73
% CV 0.73

Tip # 8

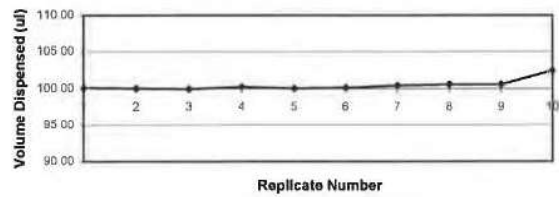
Mean 100.60
Std. Dev. 0.38
% CV 0.38



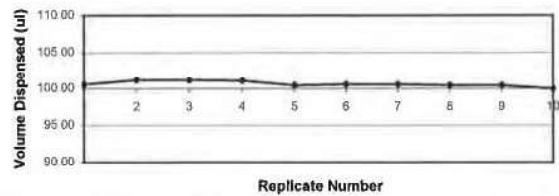
Tip Type: Fixed Tip 100 ul - Tip #6



Tip Type: Fixed Tip 100 ul - Tip #7



Tip Type: Fixed Tip 100 ul - Tip #8



Comment: 1mL FTWaterBlowOut mode (22 C) calibrate@ 100uL 28082007

Reference Extn
fixed tips

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 08/28/07
Technician: GSL

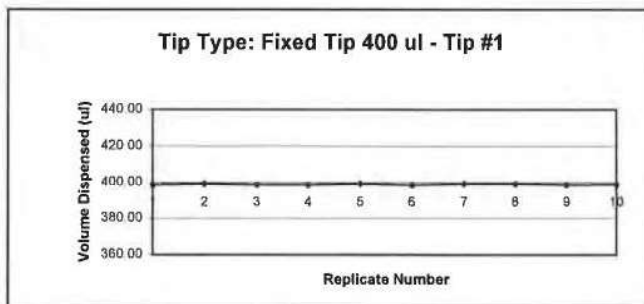
Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.99777
System Liquid: Nano Pure Water

Across tips	
Mean	398.76
Std. Dev.	0.70
%CV	0.18
% Inaccuracy	0.3

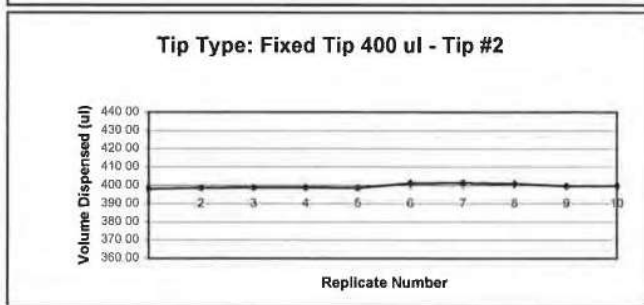
Performance File: WaterBlowout DT 1mL Fixed Tips_FW_27082007.prf
Requested Volume (ul): 400 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-400ul-400ul-Run7

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	398.49	-0.22
1	2	398.99	0.28
1	3	398.59	-0.12
1	4	398.49	-0.22
1	5	398.99	0.28
1	6	398.29	-0.42
1	7	398.99	0.28
1	8	399.09	0.38
1	9	398.49	-0.22
1	10	398.69	-0.02
2	1	397.99	-1.49
2	2	398.49	-0.99
2	3	398.79	-0.69
2	4	398.69	-0.79
2	5	398.59	-0.89
2	6	401.19	1.71
2	7	401.29	1.81
2	8	400.79	1.31
2	9	399.49	0.01
2	10	399.49	0.01
3	1	397.89	-0.63
3	2	398.19	-0.33
3	3	398.19	-0.33
3	4	397.99	-0.53
3	5	398.19	-0.33
3	6	398.79	0.27
3	7	398.69	0.17
3	8	399.29	0.77
3	9	399.19	0.67
3	10	398.79	0.27
4	1	398.19	-0.45
4	2	398.49	-0.15
4	3	399.69	1.05
4	4	399.49	0.85
4	5	398.69	0.05
4	6	399.39	0.75
4	7	398.39	-0.25
4	8	397.39	-1.25
4	9	398.29	-0.35
4	10	398.39	-0.25
5	1	398.29	-0.50
5	2	399.39	0.60

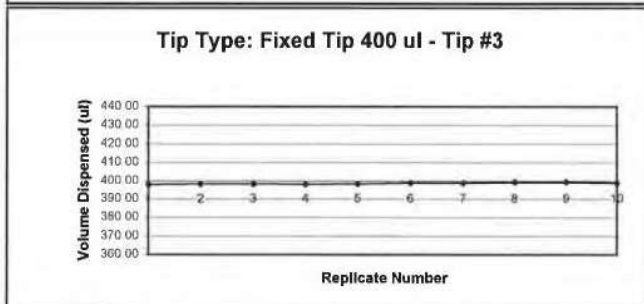
Tip # 1
Mean 398.71
Std. Dev. 0.28
% CV 0.07



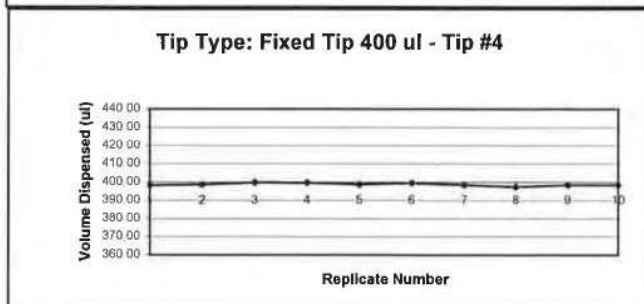
Tip # 2
Mean 399.48
Std. Dev. 1.20
% CV 0.30



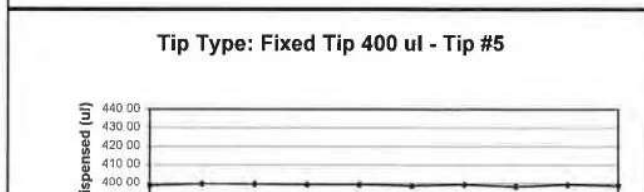
Tip # 3
Mean 398.52
Std. Dev. 0.50
% CV 0.12



Tip # 4
Mean 398.64
Std. Dev. 0.70
% CV 0.18



Tip # 5
Mean 398.79



5	3	399.29	0.50
5	4	399.09	0.30
5	5	399.09	0.30
5	6	398.39	-0.40
5	7	398.99	0.20
5	8	397.89	-0.90
5	9	399.09	0.30
5	10	398.39	-0.40
6	1	398.19	-0.47
6	2	398.79	0.13
6	3	398.49	-0.17
6	4	398.49	-0.17
6	5	398.59	-0.07
6	6	398.89	0.23
6	7	398.79	0.13
6	8	398.79	0.13
6	9	398.99	0.33
6	10	398.59	-0.07
7	1	398.29	0.22
7	2	398.49	0.42
7	3	397.89	-0.18
7	4	398.09	0.02
7	5	397.99	-0.08
7	6	398.39	0.32
7	7	397.39	-0.68
7	8	398.09	0.02
7	9	397.79	-0.28
7	10	398.29	0.22
8	1	398.39	-0.81
8	2	399.19	-0.01
8	3	398.99	-0.21
8	4	399.09	-0.11
8	5	399.09	-0.11
8	6	399.69	0.49
8	7	398.79	-0.41
8	8	399.29	0.09
8	9	399.69	0.49
8	10	399.79	0.59

Std. Dev. 0.51
% CV 0.13

Tip # 6

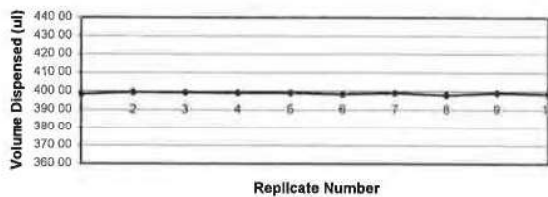
Mean 398.66
Std. Dev. 0.24
% CV 0.06

Tip # 7

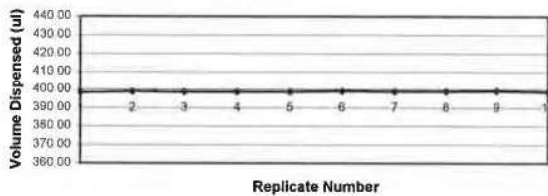
Mean 398.07
Std. Dev. 0.33
% CV 0.08

Tip # 8

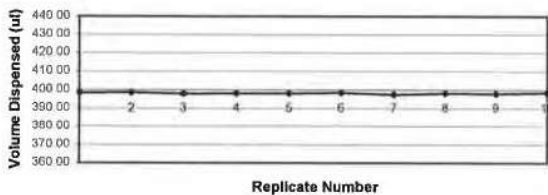
Mean 399.20
Std. Dev. 0.44
% CV 0.11



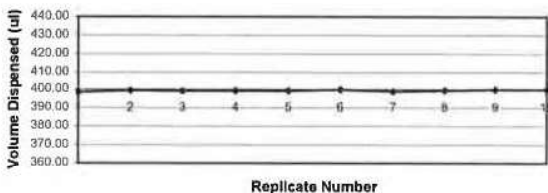
Tip Type: Fixed Tip 400 ul - Tip #6



Tip Type: Fixed Tip 400 ul - Tip #7



Tip Type: Fixed Tip 400 ul - Tip #8



Comment: 1mL FTWaterBlowOut mode (22 C) calibrate@ 400uL 28082007

Reference Extra
fixed tips

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 08/27/07
Technician: GSL

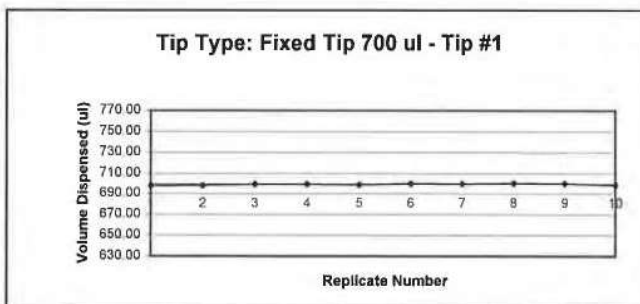
Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.99777
System Liquid: Nano Pure Water

Across tips	
Mean	698.37
Std. Dev.	1.38
%CV	0.20
% Inaccuracy	0.2

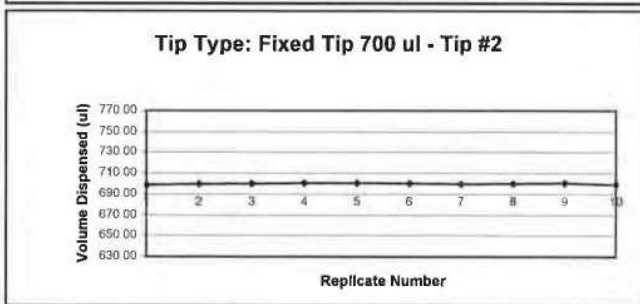
Performance File: WaterBlowout DT 1mL Fixed Tips_FW_27082007.prf
Requested Volume (ul): 700 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-700ul-700ul-Run7

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	697.86	-1.23
1	2	698.16	-0.93
1	3	699.36	0.27
1	4	699.16	0.07
1	5	698.76	-0.33
1	6	699.86	0.77
1	7	699.46	0.37
1	8	700.06	0.97
1	9	699.76	0.67
1	10	698.46	-0.63
2	1	698.76	-1.06
2	2	699.46	-0.36
2	3	699.76	-0.06
2	4	700.56	0.74
2	5	700.56	0.74
2	6	700.06	0.24
2	7	699.66	-0.16
2	8	699.96	0.14
2	9	700.56	0.74
2	10	698.86	-0.96
3	1	697.15	-0.77
3	2	697.96	0.04
3	3	697.56	-0.36
3	4	697.66	-0.26
3	5	698.36	0.44
3	6	698.46	0.54
3	7	698.36	0.44
3	8	697.86	-0.06
3	9	697.36	-0.56
3	10	698.46	0.54
4	1	697.96	-0.44
4	2	698.56	0.16
4	3	698.46	0.06
4	4	698.46	0.06
4	5	698.56	0.16
4	6	699.46	1.06
4	7	699.36	0.96
4	8	699.26	0.86
4	9	697.05	-1.35
4	10	696.85	-1.55
5	1	697.25	-0.91
5	2	697.56	-0.60

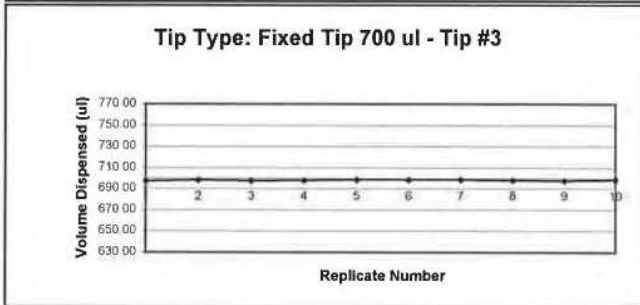
Tip # 1
Mean 699.09
Std. Dev. 0.75
% CV 0.11



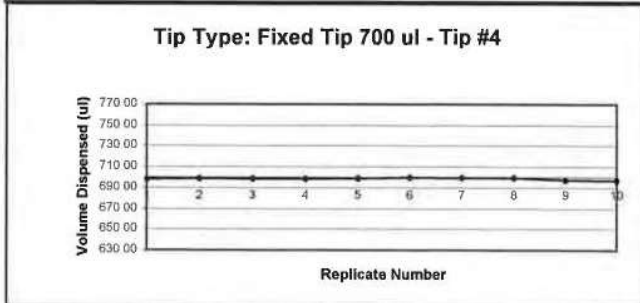
Tip # 2
Mean 699.82
Std. Dev. 0.66
% CV 0.09



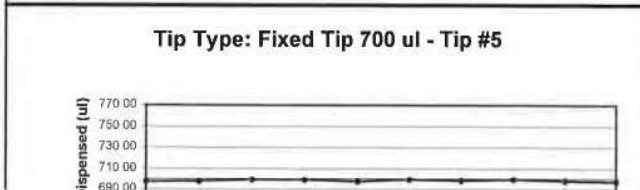
Tip # 3
Mean 697.92
Std. Dev. 0.48
% CV 0.07



Tip # 4
Mean 698.40
Std. Dev. 0.90
% CV 0.13



Tip # 5
Mean 698.16



5	3	698.96	0.80
5	4	698.86	0.70
5	5	697.25	-0.91
5	6	699.16	1.00
5	7	698.16	0.00
5	8	699.36	1.20
5	9	697.86	-0.30
5	10	697.15	-1.01
6	1	698.96	1.40
6	2	699.66	2.10
6	3	699.56	2.00
6	4	699.76	2.20
6	5	699.06	1.50
6	6	699.86	2.30
6	7	697.05	-0.51
6	8	692.24	-5.32
6	9	695.35	-2.21
6	10	694.15	-3.41
7	1	697.05	-0.18
7	2	697.96	0.73
7	3	695.85	-1.38
7	4	697.36	0.13
7	5	697.15	-0.08
7	6	697.46	0.23
7	7	698.16	0.93
7	8	696.95	-0.28
7	9	696.95	-0.28
7	10	697.46	0.23
8	1	698.26	-0.53
8	2	699.26	0.47
8	3	698.16	-0.63
8	4	698.46	-0.33
8	5	698.36	-0.43
8	6	699.06	0.27
8	7	698.66	-0.13
8	8	699.16	0.37
8	9	700.06	1.27
8	10	698.46	-0.33

Std. Dev. 0.86
% CV 0.12

Tip # 6

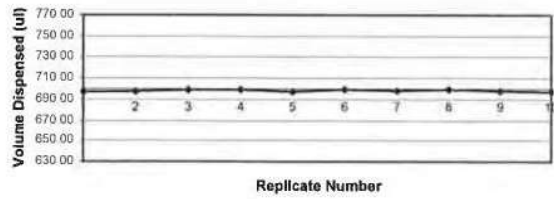
Mean 697.57
Std. Dev. 2.75
% CV 0.39

Tip # 7

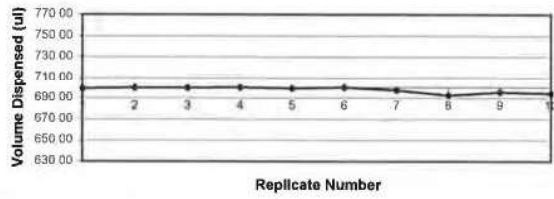
Mean 697.24
Std. Dev. 0.63
% CV 0.09

Tip # 8

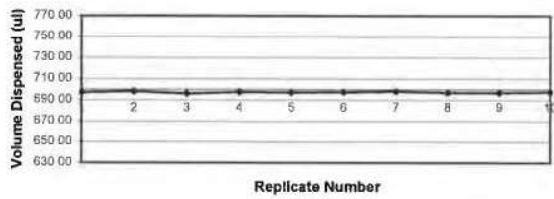
Mean 698.79
Std. Dev. 0.59
% CV 0.08



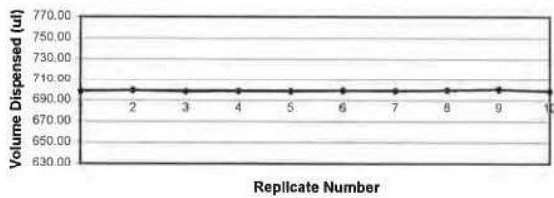
Tip Type: Fixed Tip 700 ul - Tip #6



Tip Type: Fixed Tip 700 ul - Tip #7



Tip Type: Fixed Tip 700 ul - Tip #8



Comment: 1mL FTWaterBlowOut mode (22 C) calibrate@ 700uL 27082007

Reference Extn
Fixed tips

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 08/28/07
Technician: GSL

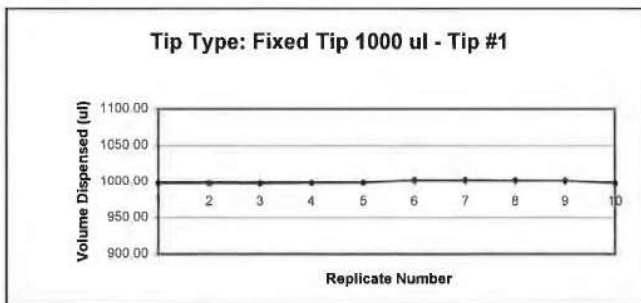
Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.99777
System Liquid: Nano Pure Water

Across tips	
Mean	997.31
Std. Dev.	1.48
%CV	0.15
% Inaccuracy	0.3

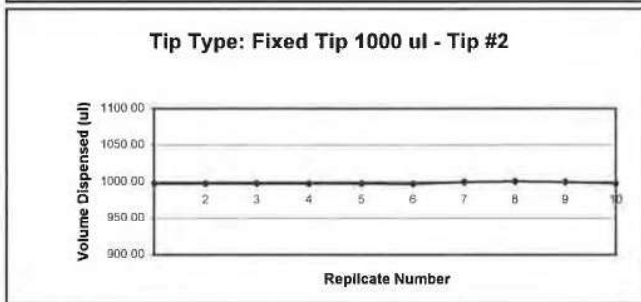
Performance File: WaterBlowout DT 1mL Fixed Tips_FW_27082007.prf
Requested Volume (ul): 1000 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-0ul-Run2

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	997.52	-1.80
1	2	997.52	-1.80
1	3	997.12	-2.20
1	4	998.23	-1.09
1	5	998.63	-0.69
1	6	1002.03	2.71
1	7	1002.13	2.81
1	8	1001.33	2.01
1	9	1001.13	1.81
1	10	997.52	-1.80
2	1	997.32	-0.60
2	2	997.32	-0.60
2	3	997.02	-0.90
2	4	997.32	-0.60
2	5	997.12	-0.80
2	6	996.92	-1.00
2	7	999.43	1.51
2	8	1000.33	2.41
2	9	999.23	1.31
2	10	997.22	-0.70
3	1	996.52	-0.08
3	2	996.22	-0.38
3	3	996.52	-0.08
3	4	996.72	0.12
3	5	996.92	0.32
3	6	996.72	0.12
3	7	996.52	-0.08
3	8	996.52	-0.08
3	9	996.62	0.02
3	10	996.72	0.12
4	1	997.83	0.22
4	2	998.13	0.52
4	3	998.13	0.52
4	4	995.82	-1.79
4	5	997.52	-0.09
4	6	997.62	0.01
4	7	997.83	0.22
4	8	998.13	0.52
4	9	997.83	0.22
4	10	997.22	-0.39
5	1	996.02	-1.16
5	2	998.03	0.85

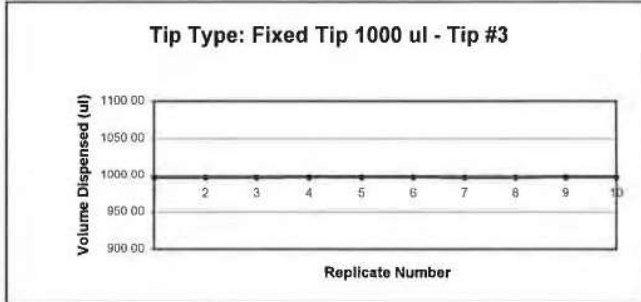
Tip # 1
Mean 999.32
Std. Dev. 2.08
% CV 0.21



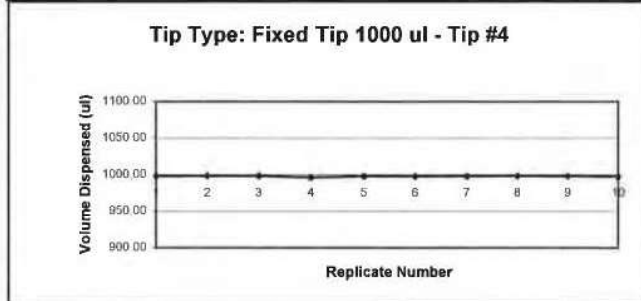
Tip # 2
Mean 997.92
Std. Dev. 1.24
% CV 0.12



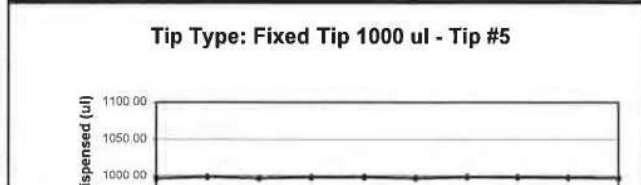
Tip # 3
Mean 996.60
Std. Dev. 0.19
% CV 0.02



Tip # 4
Mean 997.61
Std. Dev. 0.69
% CV 0.07



Tip # 5
Mean 997.18



5	3	996.22	-0.96
5	4	997.72	0.54
5	5	997.62	0.44
5	6	996.52	-0.66
5	7	997.93	0.75
5	8	997.62	0.44
5	9	997.22	0.04
5	10	996.92	-0.26
6	1	996.62	-0.96
6	2	997.32	-0.26
6	3	997.22	-0.36
6	4	997.12	-0.46
6	5	998.03	0.45
6	6	996.72	-0.86
6	7	997.93	0.35
6	8	997.72	0.14
6	9	998.53	0.95
6	10	998.63	1.05
7	1	995.32	0.24
7	2	995.52	0.44
7	3	994.72	-0.36
7	4	994.92	-0.16
7	5	994.22	-0.86
7	6	995.02	-0.06
7	7	994.72	-0.36
7	8	995.52	0.44
7	9	995.32	0.24
7	10	995.52	0.44
8	1	996.42	-0.80
8	2	997.22	0.00
8	3	997.32	0.10
8	4	997.32	0.10
8	5	997.83	0.61
8	6	996.22	-1.00
8	7	997.32	0.10
8	8	997.02	-0.20
8	9	998.43	1.21
8	10	997.12	-0.10

Std. Dev. 0.73
% CV 0.07

Tip # 6

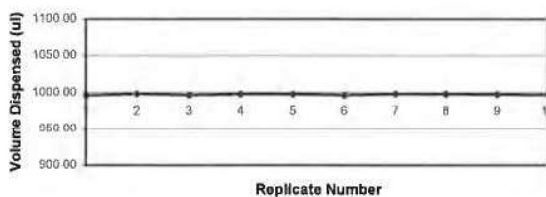
Mean 997.58
Std. Dev. 0.70
% CV 0.07

Tip # 7

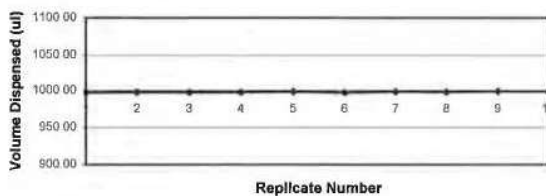
Mean 995.08
Std. Dev. 0.44
% CV 0.04

Tip # 8

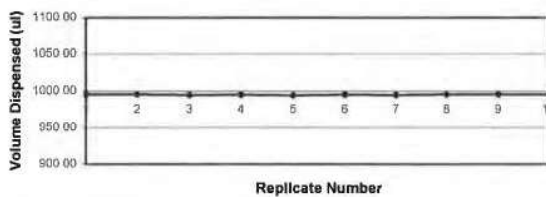
Mean 997.22
Std. Dev. 0.63
% CV 0.06



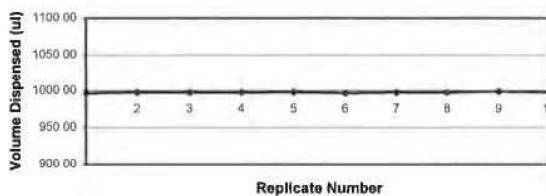
Tip Type: Fixed Tip 1000 ul - Tip #6



Tip Type: Fixed Tip 1000 ul - Tip #7



Tip Type: Fixed Tip 1000 ul - Tip #8



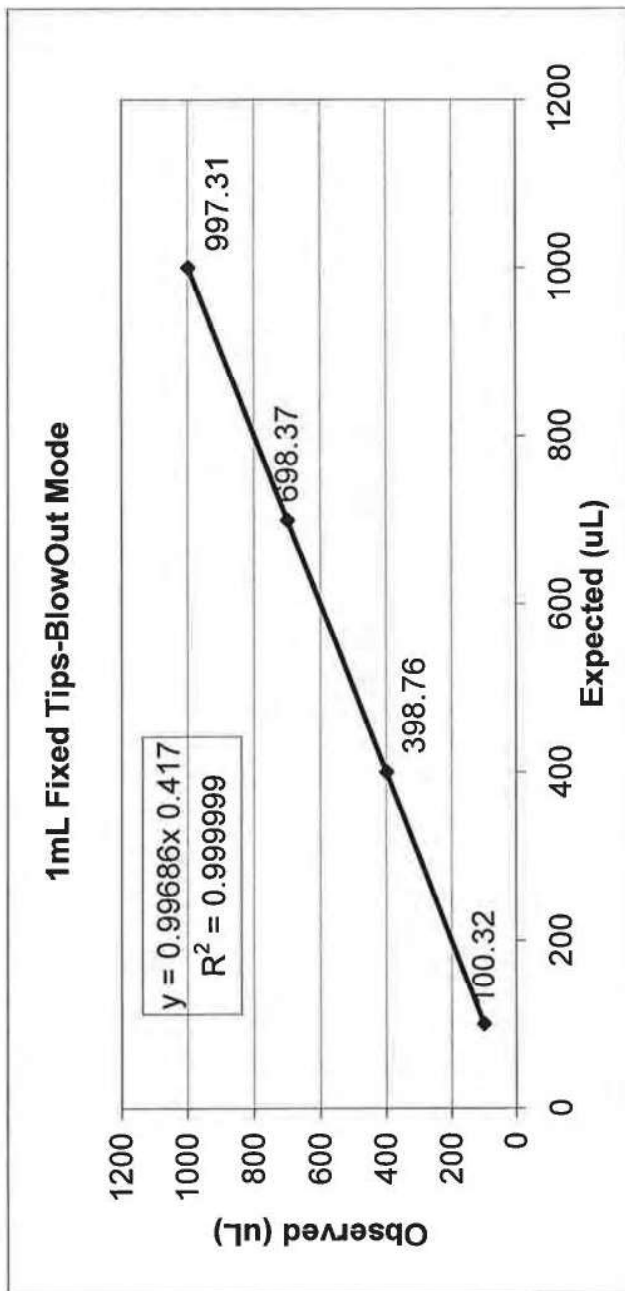
Comment: 1mL FTWaterBlowOut mode (22 C) calibrate@ 1000uL w/ data(27/08/07) 28082007

Gravimetric Assessment REF Extraction 1 mL Fixed Tips - BLOWOUT mode (28082007)

Expected X Observed (mean) Y

1000	997.31
700	698.37
400	398.76
100	100.32

Slope 0.99686
 Offset 0.417
 R2 0.999999



Calib check

Reference Extn
New Slope / offset
Fixed tips

Balance Test Results

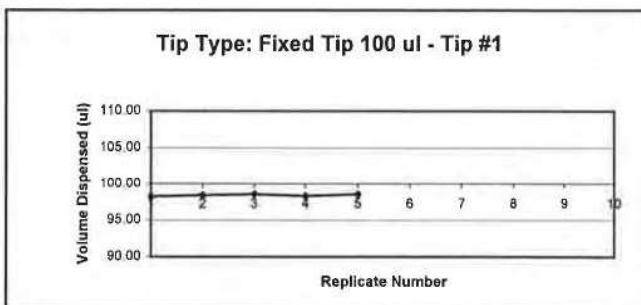
Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 06/28/07
Technician: GSL
Performance File: WaterBlowout DT 1mL Fixed Tips_FW_28082007.prf
Requested Volume (ul): 100

Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.99777
System Liquid: Nano Pure Water
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-0ul-Run2

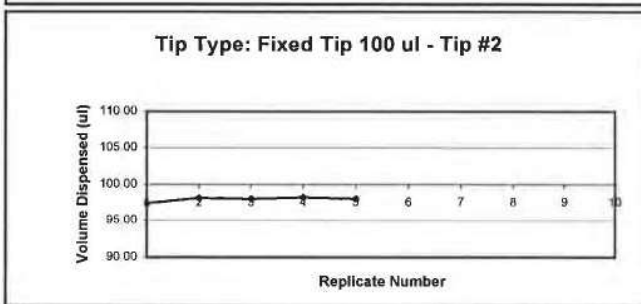
Across tips	
Mean	98.53
Std. Dev.	0.69
%CV	0.70
% Inaccuracy	1.5

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	98.22	-0.18
1	2	98.42	0.02
1	3	98.52	0.12
1	4	98.32	-0.08
1	5	98.52	0.12
1	6		-98.40
1	7		-98.40
1	8		-98.40
1	9		-98.40
1	10		-98.40
2	1	97.42	-0.54
2	2	98.12	0.16
2	3	98.02	0.06
2	4	98.22	0.26
2	5	98.02	0.06
2	6		-97.96
2	7		-97.96
2	8		-97.96
2	9		-97.96
2	10		-97.96
3	1	98.02	-0.36
3	2	98.62	0.24
3	3	98.42	0.04
3	4	98.32	-0.06
3	5	98.52	0.14
3	6		-98.38
3	7		-98.38
3	8		-98.38
3	9		-98.38
3	10		-98.38
4	1	98.42	-0.10
4	2	98.42	-0.10
4	3	98.52	0.00
4	4	98.52	0.00
4	5	98.72	0.20
4	6		-98.52
4	7		-98.52
4	8		-98.52
4	9		-98.52
4	10		-98.52
5	1	97.52	-0.30
5	2	97.62	-0.20

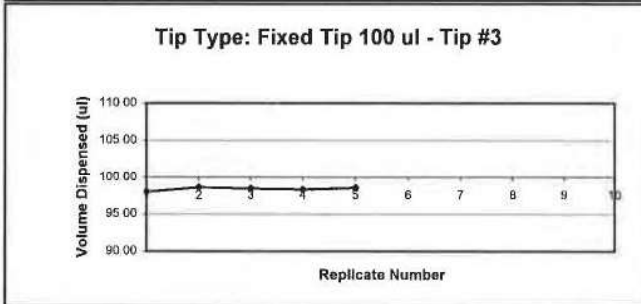
Tip # 1
Mean 98.40
Std. Dev. 0.13
% CV 0.13



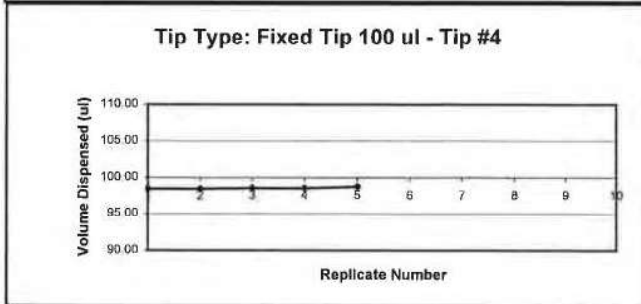
Tip # 2
Mean 97.96
Std. Dev. 0.31
% CV 0.32



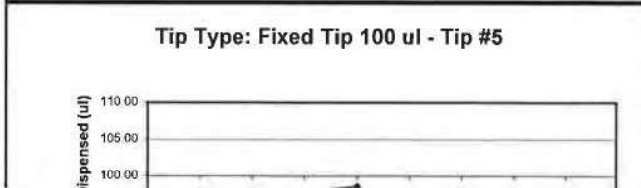
Tip # 3
Mean 98.38
Std. Dev. 0.23
% CV 0.23



Tip # 4
Mean 98.52
Std. Dev. 0.12
% CV 0.12



Tip # 5
Mean 97.82



5	3	97.82	0.00
5	4	97.62	-0.20
5	5	98.52	0.70
5	6		-97.82
5	7		-97.82
5	8		-97.82
5	9		-97.82
5	10		-97.82
6	1	98.32	-0.68
6	2	98.42	-0.58
6	3	98.62	-0.38
6	4	100.02	1.02
6	5	99.62	0.62
6	6		-99.00
6	7		-99.00
6	8		-99.00
6	9		-99.00
6	10		-99.00
7	1	99.52	1.06
7	2	98.72	0.26
7	3	98.22	-0.24
7	4	98.02	-0.44
7	5	97.82	-0.64
7	6		-98.46
7	7		-98.46
7	8		-98.46
7	9		-98.46
7	10		-98.46
8	1	100.02	0.32
8	2	99.92	0.22
8	3	99.42	-0.28
8	4	99.12	-0.58
8	5	100.02	0.32
8	6		-99.70
8	7		-99.70
8	8		-99.70
8	9		-99.70
8	10		-99.70

Std. Dev. 0.41
% CV 0.42

Tip # 6

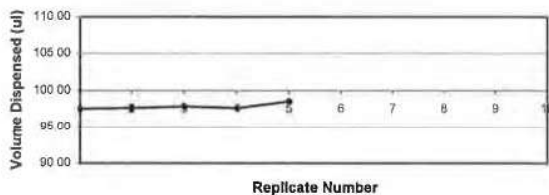
Mean 99.00
Std. Dev. 0.77
% CV 0.78

Tip # 7

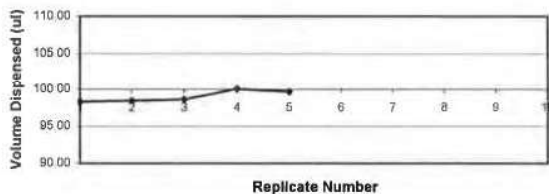
Mean 98.46
Std. Dev. 0.68
% CV 0.69

Tip # 8

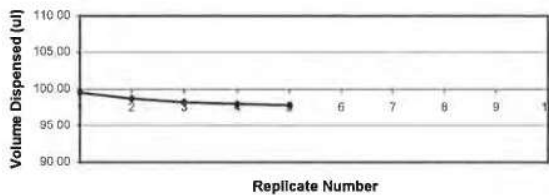
Mean 99.70
Std. Dev. 0.41
% CV 0.41



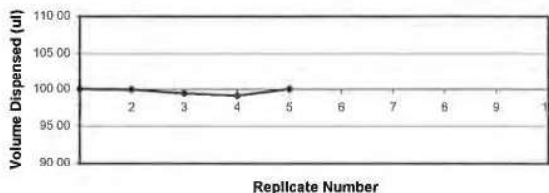
Tip Type: Fixed Tip 100 ul - Tip #6



Tip Type: Fixed Tip 100 ul - Tip #7



Tip Type: Fixed Tip 100 ul - Tip #8



Comment: 1mL FTWaterBlowOut mode (22 C) calibrate@ 100uL Newslope&Offset 28082007

Colib deck

Reference Extn

New Slope / Offset
fixed tips

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 08/28/07
Technician: GSL

Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.99777
System Liquid: Nano Pure Water

Across tips	
Mean	999.20
Std. Dev.	1.12
%CV	0.11
% Inaccuracy	0.1

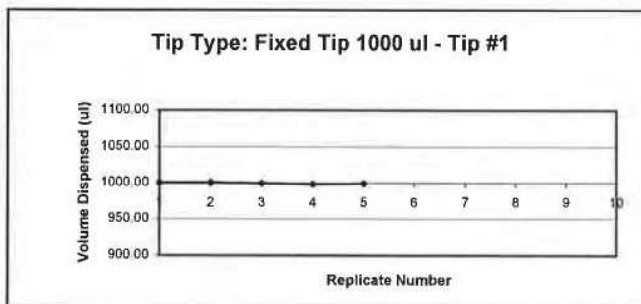
Performance File: WaterBlowout DT 1mL Fixed Tips_FW_28082007.prf
Requested Volume (ul): 1000 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-0ul-Run3

Tip # Repl Dsp. Wt. # Std from
Mean

1	1	1000.23	0.86
1	2	1000.43	1.06
1	3	999.33	-0.04
1	4	997.93	-1.44
1	5	998.93	-0.44
1	6		-999.37
1	7		-999.37
1	8		-999.37
1	9		-999.37
1	10		-999.37
2	1	999.53	-0.38
2	2	1001.13	1.22
2	3	1001.63	1.72
2	4	1000.13	0.22
2	5	997.12	-2.79
2	6		-999.91
2	7		-999.91
2	8		-999.91
2	9		-999.91
2	10		-999.91
3	1	998.13	-0.70
3	2	998.73	-0.10
3	3	999.23	0.40
3	4	999.23	0.40
3	5	998.83	0.00
3	6		-998.83
3	7		-998.83
3	8		-998.83
3	9		-998.83
3	10		-998.83
4	1	999.43	-0.32
4	2	999.63	-0.12
4	3	1000.73	0.98
4	4	999.73	-0.02
4	5	999.23	-0.52
4	6		-999.75
4	7		-999.75
4	8		-999.75
4	9		-999.75
4	10		-999.75
5	1	998.43	-0.86
5	2	1000.03	0.74

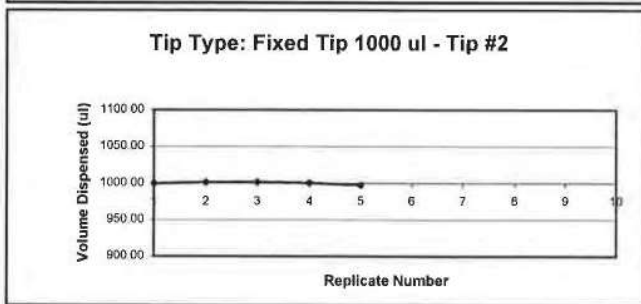
Tip # 1

Mean 999.37
Std. Dev. 1.02
% CV 0.10



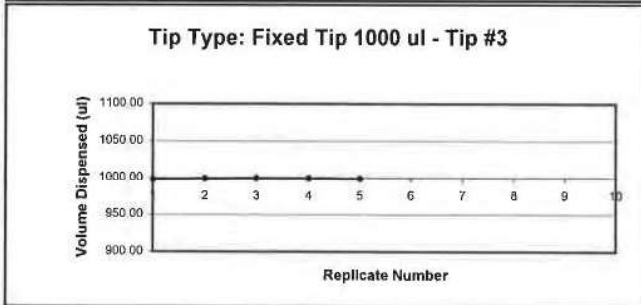
Tip # 2

Mean 999.91
Std. Dev. 1.76
% CV 0.18



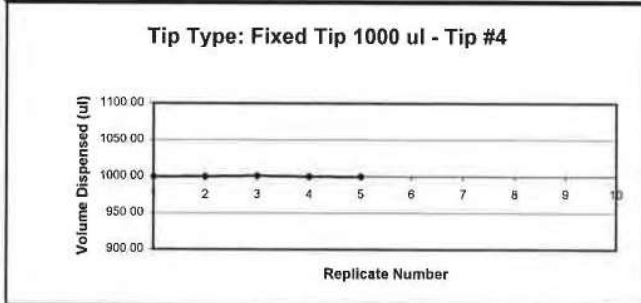
Tip # 3

Mean 998.83
Std. Dev. 0.45
% CV 0.05



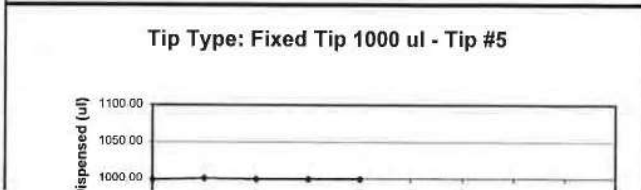
Tip # 4

Mean 999.75
Std. Dev. 0.58
% CV 0.06



Tip # 5

Mean 999.29



5	3	999.43	0.14
5	4	999.23	-0.06
5	5	999.33	0.04
5	6		-999.29
5	7		-999.29
5	8		-999.29
5	9		-999.29
5	10		-999.29
6	1	999.33	-0.64
6	2	999.53	-0.44
6	3	1000.33	0.36
6	4	1000.53	0.56
6	5	1000.13	0.16
6	6		-999.97
6	7		-999.97
6	8		-999.97
6	9		-999.97
6	10		-999.97
7	1	997.32	-0.04
7	2	997.72	0.36
7	3	997.42	0.06
7	4	997.52	0.16
7	5	996.82	-0.54
7	6		-997.36
7	7		-997.36
7	8		-997.36
7	9		-997.36
7	10		-997.36
8	1	997.93	-1.22
8	2	999.13	-0.02
8	3	999.53	0.38
8	4	999.93	0.78
8	5	999.23	0.08
8	6		-999.15
8	7		-999.15
8	8		-999.15
8	9		-999.15
8	10		-999.15

Std. Dev. 0.57
% CV 0.06

Tip # 6

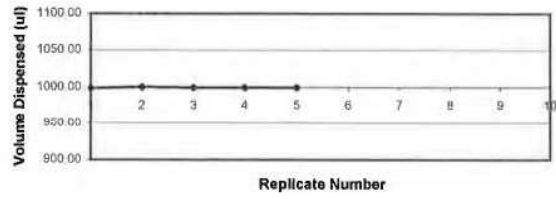
Mean 999.97
Std. Dev. 0.52
% CV 0.05

Tip # 7

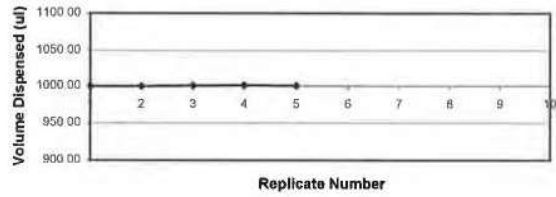
Mean 997.36
Std. Dev. 0.34
% CV 0.03

Tip # 8

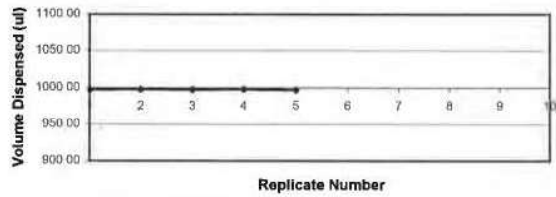
Mean 999.15
Std. Dev. 0.75
% CV 0.08



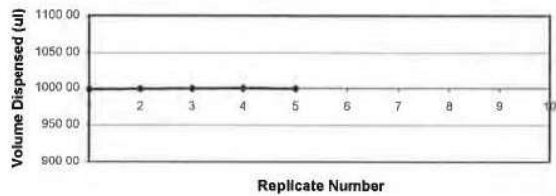
Tip Type: Fixed Tip 1000 ul - Tip #6



Tip Type: Fixed Tip 1000 ul - Tip #7



Tip Type: Fixed Tip 1000 ul - Tip #8



Comment: 1mL FTWaterBlowOut mode (22 C) calibrate@ 1000uL Newslope&Offset 28082007

Reference Extn
Fixed tips
calib. @ 1000 ul repeated
280807 5 replicates of 1000 ul

Balance Test Results

Model: MPlI HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 08/27/07
 Technician: GSL

Tip Type: Fixed Tip
 Disposable Tip Lot #: N/A
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.99777
 System Liquid: Nano Pure Water

Across tips	
Mean	997.67
Std. Dev.	1.77
%CV	0.18
% Inaccuracy	0.2

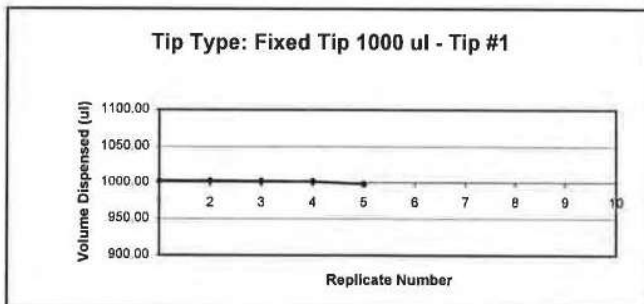
Performance File: WaterBlowout DT 1mL Fixed Tips_FW_27082007.prf

Requested Volume (ul): 1000

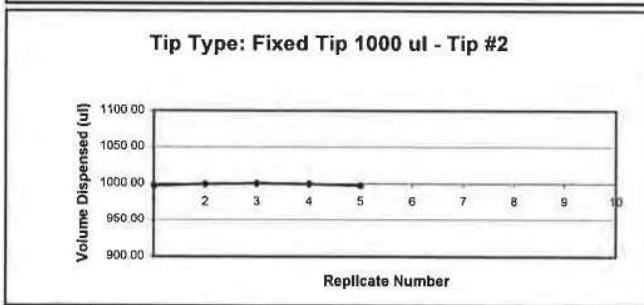
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-100ul-Run2

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	1002.03	1.20
1	2	1002.13	1.30
1	3	1001.33	0.50
1	4	1001.13	0.30
1	5	997.52	-3.31
1	6		-1000.83
1	7		-1000.83
1	8		-1000.83
1	9		-1000.83
1	10		-1000.83
2	1	996.92	-1.71
2	2	999.43	0.80
2	3	1000.33	1.70
2	4	999.23	0.60
2	5	997.22	-1.41
2	6		-998.63
2	7		-998.63
2	8		-998.63
2	9		-998.63
2	10		-998.63
3	1	996.72	0.10
3	2	996.52	-0.10
3	3	996.52	-0.10
3	4	996.62	0.00
3	5	996.72	0.10
3	6		-996.62
3	7		-996.62
3	8		-996.62
3	9		-996.62
3	10		-996.62
4	1	997.62	-0.11
4	2	997.83	0.10
4	3	998.13	0.40
4	4	997.83	0.10
4	5	997.22	-0.51
4	6		-997.73
4	7		-997.73
4	8		-997.73
4	9		-997.73
4	10		-997.73
5	1	996.52	-0.72
5	2	997.93	0.69

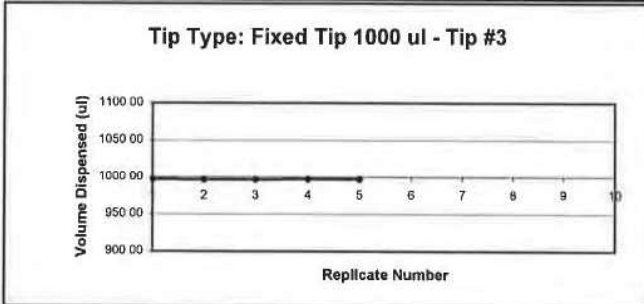
Tip # 1
 Mean 1000.83
 Std. Dev. 1.90
 % CV 0.19



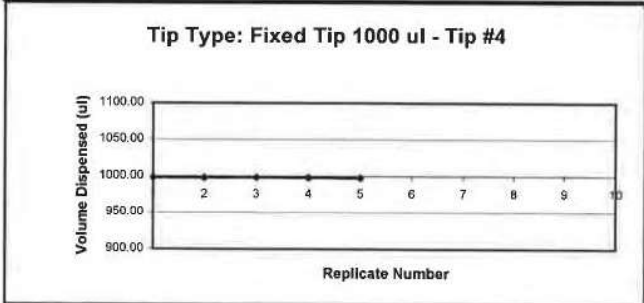
Tip # 2
 Mean 998.63
 Std. Dev. 1.48
 % CV 0.15



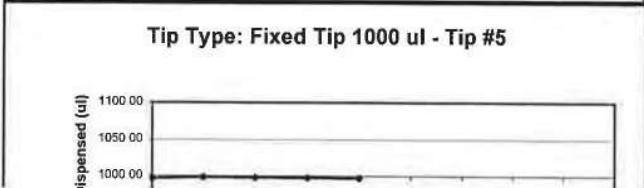
Tip # 3
 Mean 996.62
 Std. Dev. 0.10
 % CV 0.01



Tip # 4
 Mean 997.73
 Std. Dev. 0.34
 % CV 0.03



Tip # 5
 Mean 997.24



5	3	997.62	0.38
5	4	997.22	-0.02
5	5	996.92	-0.32
5	6		-997.24
5	7		-997.24
5	8		-997.24
5	9		-997.24
5	10		-997.24
6	1	996.72	-1.19
6	2	997.93	0.02
6	3	997.72	-0.19
6	4	998.53	0.62
6	5	998.63	0.72
6	6		-997.91
6	7		-997.91
6	8		-997.91
6	9		-997.91
6	10		-997.91
7	1	995.02	-0.20
7	2	994.72	-0.50
7	3	995.52	0.30
7	4	995.32	0.10
7	5	995.52	0.30
7	6		-995.22
7	7		-995.22
7	8		-995.22
7	9		-995.22
7	10		-995.22
8	1	996.22	-1.00
8	2	997.32	0.10
8	3	997.02	-0.20
8	4	998.43	1.21
8	5	997.12	-0.10
8	6		-997.22
8	7		-997.22
8	8		-997.22
8	9		-997.22
8	10		-997.22

Std. Dev. 0.56
% CV 0.06

Tip # 6

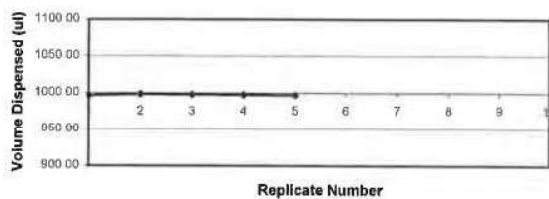
Mean 997.91
Std. Dev. 0.77
% CV 0.08

Tip # 7

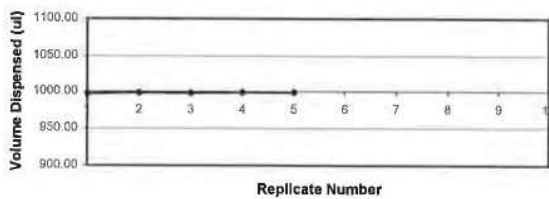
Mean 995.22
Std. Dev. 0.35
% CV 0.03

Tip # 8

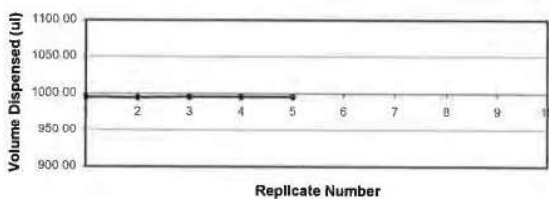
Mean 997.22
Std. Dev. 0.79
% CV 0.08



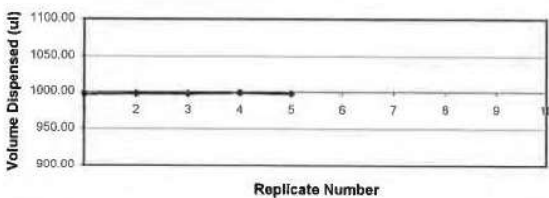
Tip Type: Fixed Tip 1000 ul - Tip #6



Tip Type: Fixed Tip 1000 ul - Tip #7



Tip Type: Fixed Tip 1000 ul - Tip #8



Comment: 1mL FTWaterBlowOut mode (22 C) calibrate@ 1000uL 27082007

*Reference Ext.
Fixed tips
Vol = 50ul -*

Balance Test Results

Model: MPIO HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 08/29/07
Technician: BG

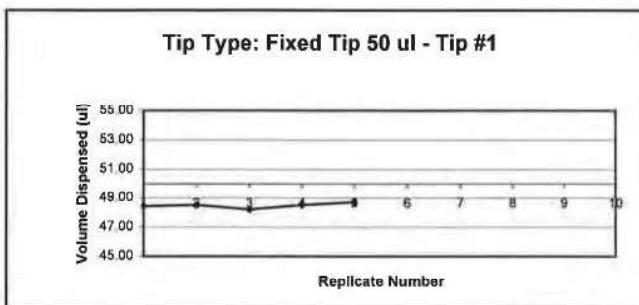
Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.99777
System Liquid: Nano Pure Water

Across tips	
Mean	48.13
Std. Dev.	0.55
%CV	1.14
% Inaccuracy	3.7

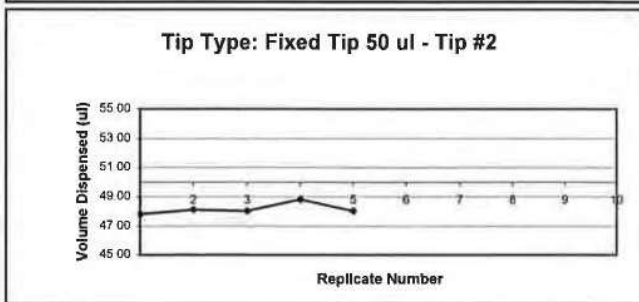
Performance File: WaterBlowout DT 1mL Fixed Tips_FW_28082007.prf
Requested Volume (ul): 50 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-50ul-50ul-Run6

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	48.41	-0.06
1	2	48.51	0.04
1	3	48.21	-0.26
1	4	48.51	0.04
1	5	48.71	0.24
1	6		-48.47
1	7		-48.47
1	8		-48.47
1	9		-48.47
1	10		-48.47
2	1	47.81	-0.34
2	2	48.11	-0.04
2	3	48.01	-0.14
2	4	48.81	0.66
2	5	48.01	-0.14
2	6		-48.15
2	7		-48.15
2	8		-48.15
2	9		-48.15
2	10		-48.15
3	1	47.61	0.16
3	2	47.71	0.26
3	3	46.40	-1.05
3	4	47.71	0.26
3	5	47.81	0.36
3	6		-47.45
3	7		-47.45
3	8		-47.45
3	9		-47.45
3	10		-47.45
4	1	47.71	-0.26
4	2	47.71	-0.26
4	3	47.91	-0.06
4	4	48.11	0.14
4	5	48.41	0.44
4	6		-47.97
4	7		-47.97
4	8		-47.97
4	9		-47.97
4	10		-47.97
5	1	47.51	-0.68
5	2	47.81	-0.38

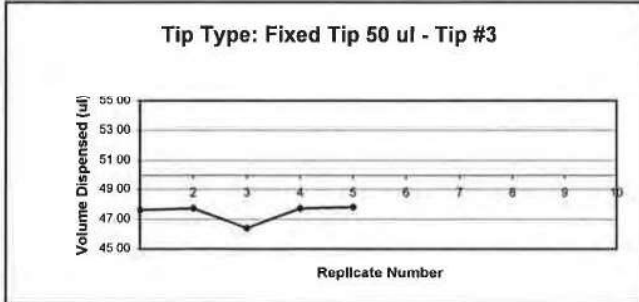
Tip # 1
Mean 48.47
Std. Dev. 0.18
% CV 0.37



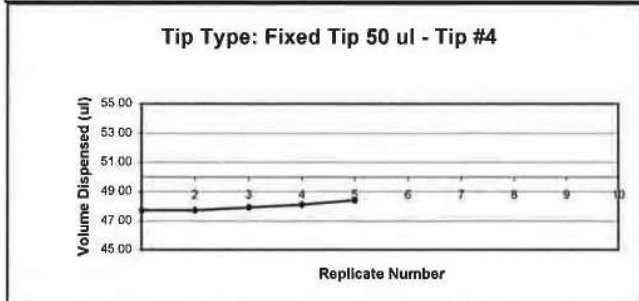
Tip # 2
Mean 48.15
Std. Dev. 0.38
% CV 0.80



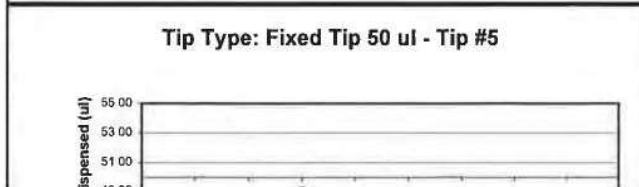
Tip # 3
Mean 47.45
Std. Dev. 0.59
% CV 1.24



Tip # 4
Mean 47.97
Std. Dev. 0.30
% CV 0.62



Tip # 5
Mean 48.19



5	3	48.11	-0.08
5	4	49.11	0.92
5	5	48.41	0.22
5	6		-48.19
5	7		-48.19
5	8		-48.19
5	9		-48.19
5	10		-48.19
6	1	47.71	-0.52
6	2	48.11	-0.12
6	3	48.51	0.28
6	4	48.51	0.28
6	5	48.31	0.08
6	6		-48.23
6	7		-48.23
6	8		-48.23
6	9		-48.23
6	10		-48.23
7	1	47.81	0.02
7	2	47.71	-0.08
7	3	47.21	-0.58
7	4	48.11	0.32
7	5	48.11	0.32
7	6		-47.79
7	7		-47.79
7	8		-47.79
7	9		-47.79
7	10		-47.79
8	1	48.21	-0.62
8	2	49.21	0.38
8	3	48.91	0.08
8	4	49.01	0.18
8	5	48.81	-0.02
8	6		-48.83
8	7		-48.83
8	8		-48.83
8	9		-48.83
8	10		-48.83

Std. Dev. 0.61
% CV 1.27

Tip # 6

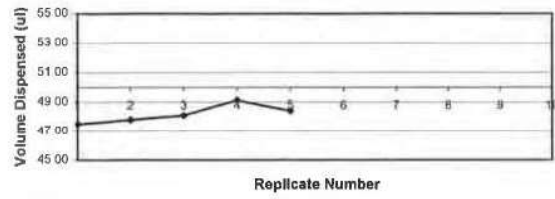
Mean 48.23
Std. Dev. 0.33
% CV 0.69

Tip # 7

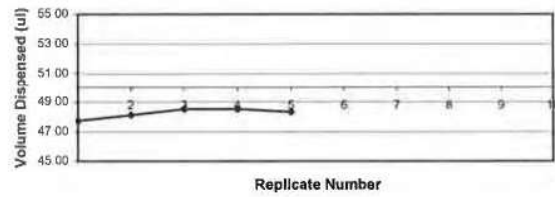
Mean 47.79
Std. Dev. 0.37
% CV 0.77

Tip # 8

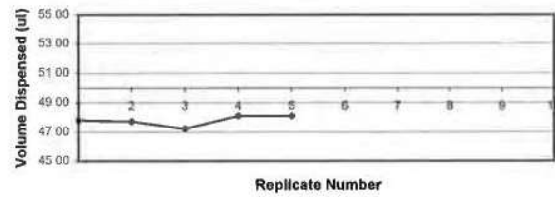
Mean 48.83
Std. Dev. 0.38
% CV 0.77



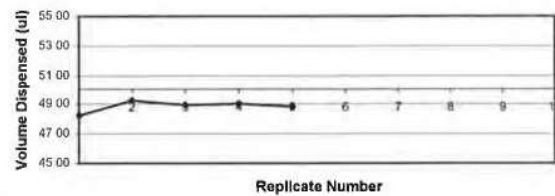
Tip Type: Fixed Tip 50 ul - Tip #6



Tip Type: Fixed Tip 50 ul - Tip #7



Tip Type: Fixed Tip 50 ul - Tip #8



Comment: 1mL FTWaterBlowOut mode (22 C) calibrate@ 50uL (repeat) Newslope&Offset 28082007

Balance Test Results

Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/18/07
 Technician: CI

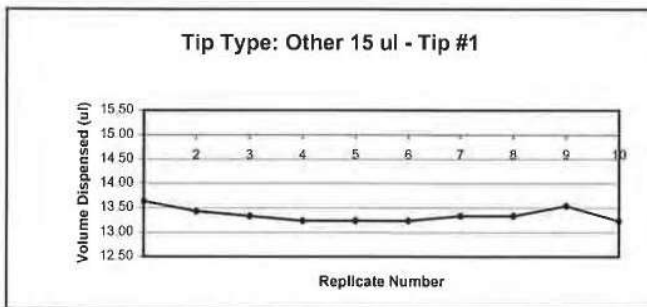
Tip Type: Other
 Disposable Tip Lot #: 6150360
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

Across tips	
Mean	13.29
Std. Dev.	0.10
%CV	0.74
% Inaccuracy	11.4

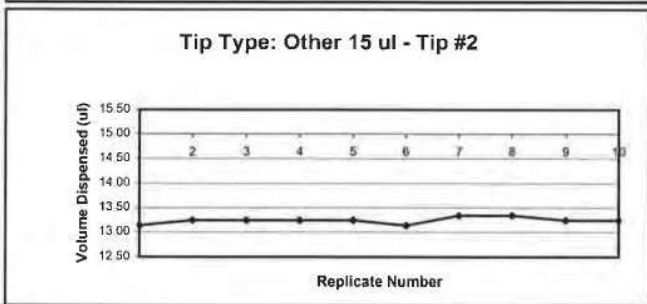
Performance File: WaterBlowout 175ul DT_FW QHSS S=1 O=017072007 prf
 Requested Volume (ul): 15 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-15ul-15ul-Run13

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	13.63	0.28
1	2	13.43	0.08
1	3	13.33	-0.02
1	4	13.23	-0.12
1	5	13.23	-0.12
1	6	13.23	-0.12
1	7	13.33	-0.02
1	8	13.33	-0.02
1	9	13.53	0.18
1	10	13.23	-0.12
2	1	13.13	-0.10
2	2	13.23	0.00
2	3	13.23	0.00
2	4	13.23	0.00
2	5	13.23	0.00
2	6	13.13	-0.10
2	7	13.33	0.10
2	8	13.33	0.10
2	9	13.23	0.00
2	10	13.23	0.00
3	1	13.33	0.05
3	2	13.33	0.05
3	3	13.23	-0.05
3	4	13.33	0.05
3	5	13.33	0.05
3	6	13.13	-0.15
3	7	13.23	-0.05
3	8	13.33	0.05
3	9	13.33	0.05
3	10	13.23	-0.05
4	1	13.23	-0.10
4	2	13.33	0.00
4	3	13.43	0.10
4	4	13.43	0.10
4	5	13.33	0.00
4	6	13.33	0.00
4	7	13.33	0.00
4	8	13.33	0.00
4	9	13.33	0.00
4	10	13.23	-0.10
5	1	13.43	0.12
5	2	13.33	0.02

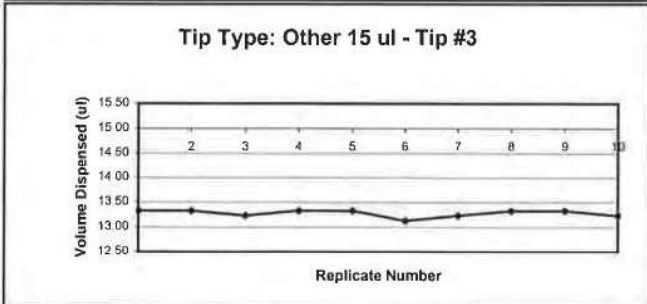
Tip # 1
 Mean 13.35
 Std. Dev. 0.14
 % CV 1.05



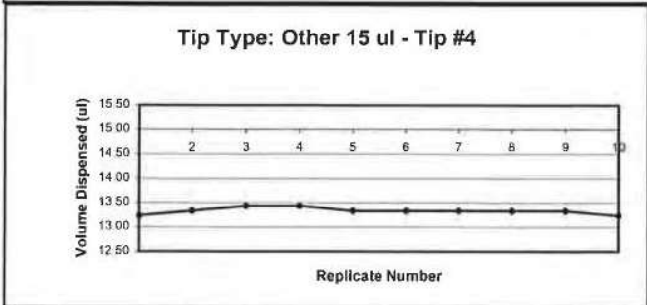
Tip # 2
 Mean 13.23
 Std. Dev. 0.07
 % CV 0.50



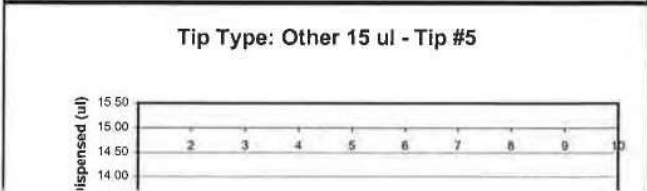
Tip # 3
 Mean 13.28
 Std. Dev. 0.07
 % CV 0.53



Tip # 4
 Mean 13.33
 Std. Dev. 0.07
 % CV 0.50



Tip # 5
 Mean 13.31



5	3	13.33	0.02
5	4	13.33	0.02
5	5	13.23	-0.08
5	6	13.23	-0.08
5	7	13.23	-0.08
5	8	13.33	0.02
5	9	13.33	0.02
5	10	13.33	0.02
6	1	13.53	0.18
6	2	13.33	-0.02
6	3	13.43	0.08
6	4	13.53	0.18
6	5	13.33	-0.02
6	6	13.23	-0.12
6	7	13.33	-0.02
6	8	13.23	-0.12
6	9	13.33	-0.02
6	10	13.23	-0.12
7	1	13.23	0.01
7	2	13.23	0.01
7	3	13.23	0.01
7	4	13.23	0.01
7	5	13.23	0.01
7	6	13.13	-0.09
7	7	13.23	0.01
7	8	13.23	0.01
7	9	13.33	0.11
7	10	13.13	-0.09
8	1	13.23	0.01
8	2	13.23	0.01
8	3	13.33	0.11
8	4	13.23	0.01
8	5	13.23	0.01
8	6	13.33	0.11
8	7	13.13	-0.09
8	8	13.13	-0.09
8	9	13.23	0.01
8	10	13.13	-0.09

Std. Dev. 0.06
% CV 0.48

Tip # 6

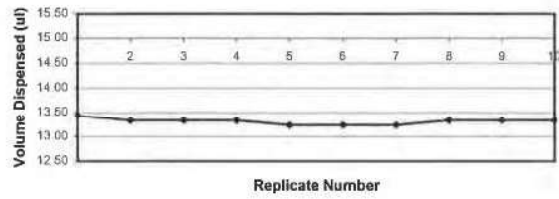
Mean 13.35
Std. Dev. 0.11
% CV 0.85

Tip # 7

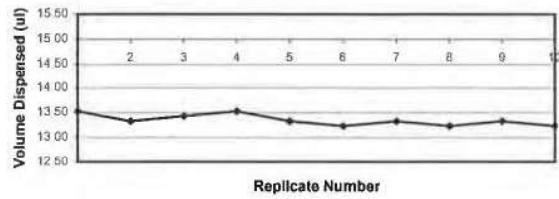
Mean 13.22
Std. Dev. 0.06
% CV 0.43

Tip # 8

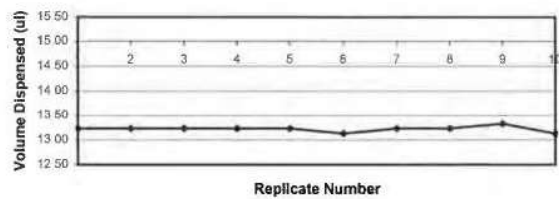
Mean 13.22
Std. Dev. 0.07
% CV 0.56



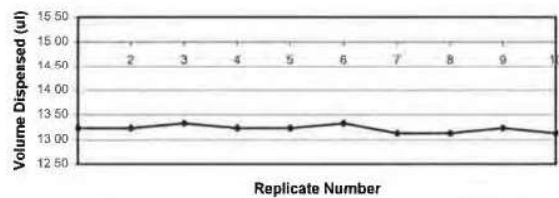
Tip Type: Other 15 ul - Tip #6



Tip Type: Other 15 ul - Tip #7



Tip Type: Other 15 ul - Tip #8



Comment: 175ul WaterBlowout mode (23C) slope=1 and offset=0 calibrate @ 15uL 18072007

Balance Test Results

Model: MPlI HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/17/07
 Technician: BG

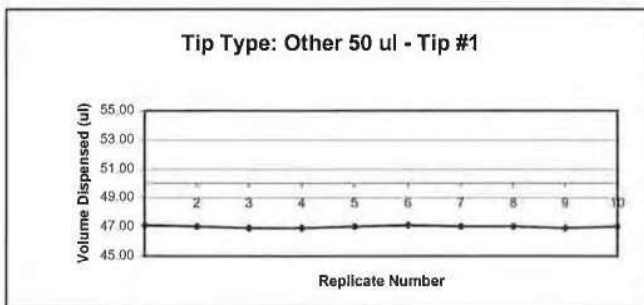
Tip Type: Other
 Disposable Tip Lot #: 6150360
 Sample Type: Nano Pure
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

Across tips	
Mean	46.97
Std. Dev.	0.24
%CV	0.52
% Inaccuracy	6.1

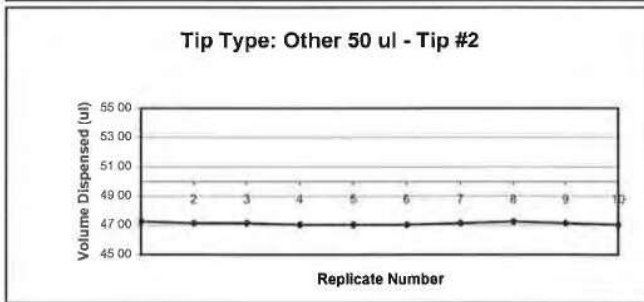
Performance File: WaterBlowout 175ul DT_FW QHSS S=1 O=017072007.prf
 Requested Volume (ul): 50 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-50ul-50ul-Run4

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	47.12	0.11
1	2	47.02	0.01
1	3	46.92	-0.09
1	4	46.92	-0.09
1	5	47.02	0.01
1	6	47.12	0.11
1	7	47.02	0.01
1	8	47.02	0.01
1	9	46.92	-0.09
1	10	47.02	0.01
2	1	47.22	0.12
2	2	47.12	0.02
2	3	47.12	0.02
2	4	47.02	-0.08
2	5	47.02	-0.08
2	6	47.02	-0.08
2	7	47.12	0.02
2	8	47.22	0.12
2	9	47.12	0.02
2	10	47.02	-0.08
3	1	46.92	-0.06
3	2	47.02	0.04
3	3	47.02	0.04
3	4	47.02	0.04
3	5	46.82	-0.16
3	6	47.02	0.04
3	7	47.02	0.04
3	8	47.02	0.04
3	9	47.02	0.04
3	10	46.92	-0.06
4	1	47.12	0.11
4	2	47.02	0.01
4	3	46.92	-0.09
4	4	47.02	0.01
4	5	47.02	0.01
4	6	47.02	0.01
4	7	47.02	0.01
4	8	47.02	0.01
4	9	46.92	-0.09
4	10	47.02	0.01
5	1	46.92	0.18
5	2	47.22	0.48

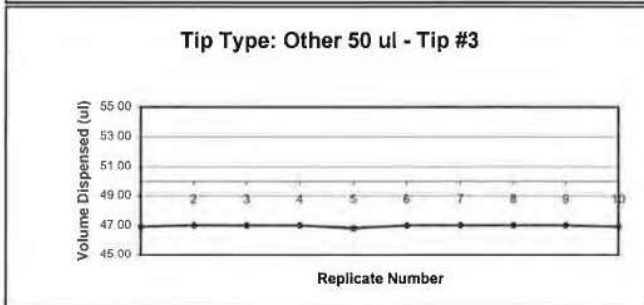
Tip # 1
 Mean 47.01
 Std. Dev. 0.07
 % CV 0.16



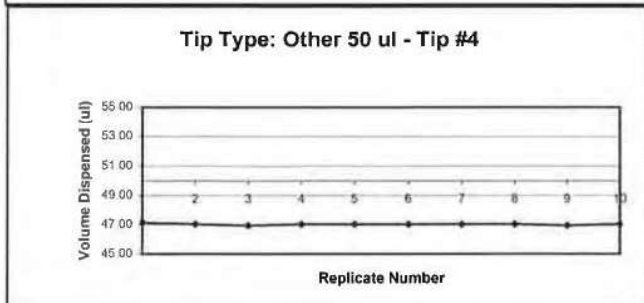
Tip # 2
 Mean 47.10
 Std. Dev. 0.08
 % CV 0.17



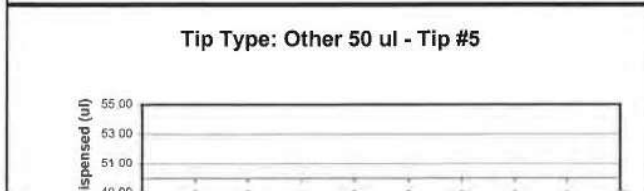
Tip # 3
 Mean 46.98
 Std. Dev. 0.07
 % CV 0.15



Tip # 4
 Mean 47.01
 Std. Dev. 0.06
 % CV 0.12



Tip # 5
 Mean 46.74



5	3	47.12	0.38
5	4	47.02	0.28
5	5	47.02	0.28
5	6	46.82	0.08
5	7	45.11	-1.63
5	8	46.82	0.08
5	9	47.02	0.28
5	10	46.31	-0.43
6	1	47.02	0.03
6	2	47.02	0.03
6	3	46.92	-0.07
6	4	46.92	-0.07
6	5	46.82	-0.17
6	6	47.22	0.23
6	7	47.12	0.13
6	8	46.92	-0.07
6	9	47.02	0.03
6	10	46.92	-0.07
7	1	46.92	-0.09
7	2	47.02	0.01
7	3	47.02	0.01
7	4	46.92	-0.09
7	5	47.02	0.01
7	6	46.92	-0.09
7	7	47.12	0.11
7	8	47.12	0.11
7	9	47.02	0.01
7	10	47.02	0.01
8	1	46.92	-0.02
8	2	47.02	0.08
8	3	46.92	-0.02
8	4	46.82	-0.12
8	5	46.92	-0.02
8	6	46.92	-0.02
8	7	47.02	0.08
8	8	46.92	-0.02
8	9	46.92	-0.02
8	10	47.02	0.08

Std. Dev. 0.62
% CV 1.33

Tip # 6

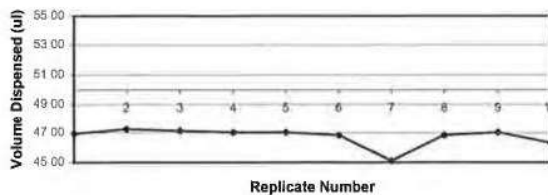
Mean 46.99
Std. Dev. 0.12
% CV 0.25

Tip # 7

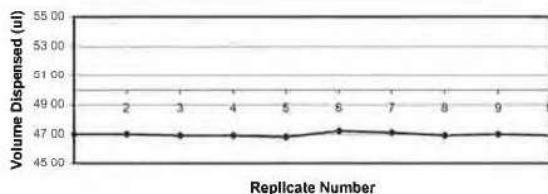
Mean 47.01
Std. Dev. 0.07
% CV 0.16

Tip # 8

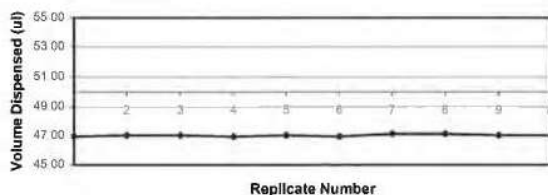
Mean 46.94
Std. Dev. 0.06
% CV 0.13



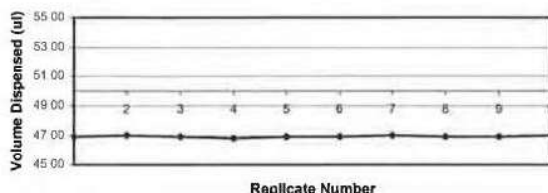
Tip Type: Other 50 ul - Tip #6



Tip Type: Other 50 ul - Tip #7



Tip Type: Other 50 ul - Tip #8



Comment: 175ul WaterBlowout mode (23C) slope=1 and offset=0 calibrate @ 50uL 17072007

Balance Test Results

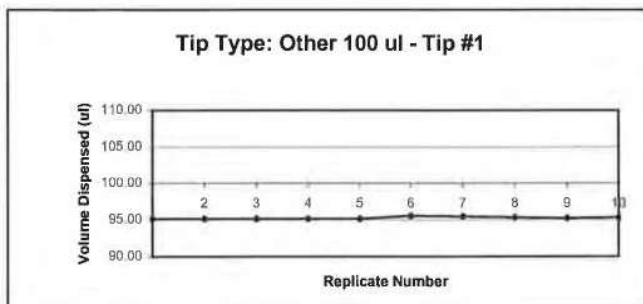
Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/17/07
 Technician: BG
 Performance File: WaterBlowout 175ul DT_FW QHSS S=1 O=017072007.prf
 Requested Volume (ul): 100

Tip Type: Other
 Disposable Tip Lot #: 6150360
 Sample Type: Nano Pure
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water
 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-100ul-Run21

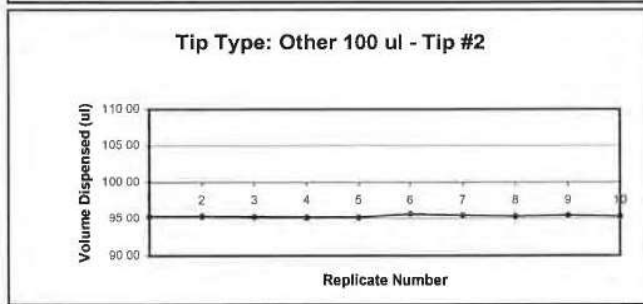
Across tips	
Mean	95.33
Std. Dev.	0.14
%CV	0.15
% Inaccuracy	4.7

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	95.13	-0.12
1	2	95.13	-0.12
1	3	95.13	-0.12
1	4	95.13	-0.12
1	5	95.13	-0.12
1	6	95.54	0.29
1	7	95.43	0.18
1	8	95.33	0.08
1	9	95.23	-0.02
1	10	95.33	0.08
2	1	95.33	0.00
2	2	95.33	0.00
2	3	95.23	-0.10
2	4	95.13	-0.20
2	5	95.13	-0.20
2	6	95.64	0.31
2	7	95.43	0.10
2	8	95.33	0.00
2	9	95.43	0.10
2	10	95.33	0.00
3	1	95.13	-0.11
3	2	95.23	-0.01
3	3	95.13	-0.11
3	4	95.13	-0.11
3	5	95.13	-0.11
3	6	95.33	0.09
3	7	95.33	0.09
3	8	95.33	0.09
3	9	95.23	-0.01
3	10	95.43	0.19
4	1	95.54	0.17
4	2	95.33	-0.04
4	3	95.33	-0.04
4	4	95.23	-0.14
4	5	95.23	-0.14
4	6	95.54	0.17
4	7	95.43	0.06
4	8	95.43	0.06
4	9	95.33	-0.04
4	10	95.33	-0.04
5	1	95.43	0.08
5	2	95.43	0.08

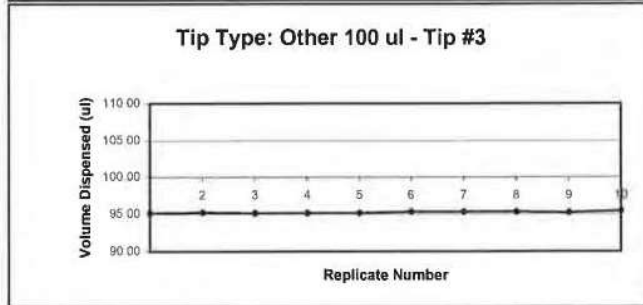
Tip # 1
 Mean 95.25
 Std. Dev. 0.15
 % CV 0.16



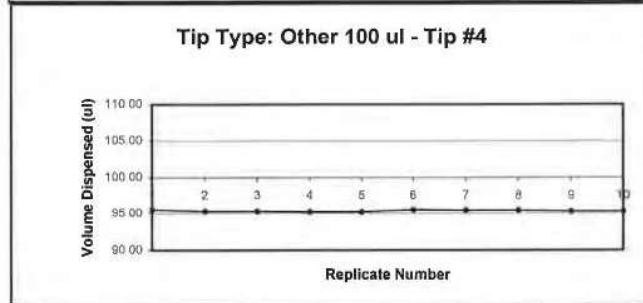
Tip # 2
 Mean 95.33
 Std. Dev. 0.15
 % CV 0.16



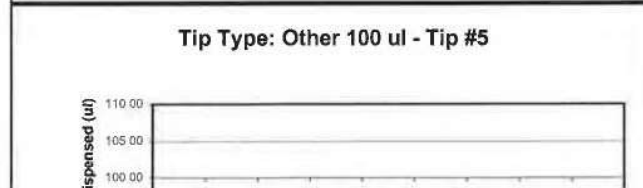
Tip # 3
 Mean 95.24
 Std. Dev. 0.11
 % CV 0.12



Tip # 4
 Mean 95.37
 Std. Dev. 0.11
 % CV 0.12



Tip # 5
 Mean 95.35



5	3	95.23	-0.12
5	4	95.33	-0.02
5	5	95.33	-0.02
5	6	95.43	0.08
5	7	95.33	-0.02
5	8	95.33	-0.02
5	9	95.33	-0.02
5	10	95.33	-0.02
6	1	95.33	0.00
6	2	95.13	-0.20
6	3	95.64	0.31
6	4	95.13	-0.20
6	5	95.23	-0.10
6	6	95.64	0.31
6	7	95.43	0.10
6	8	95.23	-0.10
6	9	95.33	0.00
6	10	95.23	-0.10
7	1	95.43	0.12
7	2	95.33	0.02
7	3	95.33	0.02
7	4	95.23	-0.08
7	5	95.23	-0.08
7	6	95.33	0.02
7	7	95.43	0.12
7	8	95.33	0.02
7	9	95.23	-0.08
7	10	95.23	-0.08
8	1	95.84	0.42
8	2	95.33	-0.09
8	3	95.33	-0.09
8	4	95.23	-0.19
8	5	95.23	-0.19
8	6	95.64	0.22
8	7	95.43	0.01
8	8	95.43	0.01
8	9	95.43	0.01
8	10	95.33	-0.09

Std. Dev. 0.06
% CV 0.07

Tip # 6

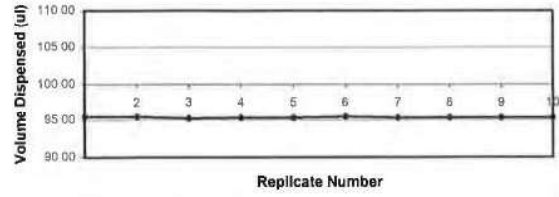
Mean 95.33
Std. Dev. 0.19
% CV 0.20

Tip # 7

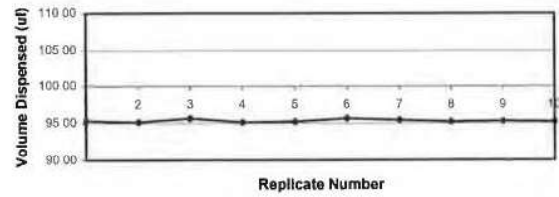
Mean 95.31
Std. Dev. 0.08
% CV 0.08

Tip # 8

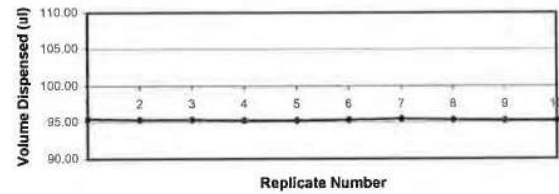
Mean 95.42
Std. Dev. 0.19
% CV 0.20



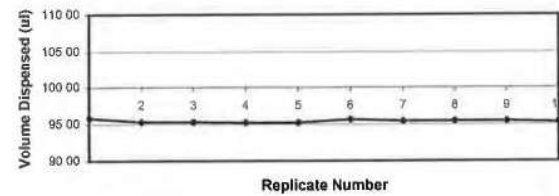
Tip Type: Other 100 ul - Tip #6



Tip Type: Other 100 ul - Tip #7



Tip Type: Other 100 ul - Tip #8



Comment: 175ul WaterBlowout mode (23C) slope=1 and offset=0 calibrate @ 100uL 17072007

Balance Test Results

Model: MPlI HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/17/07
 Technician: BG

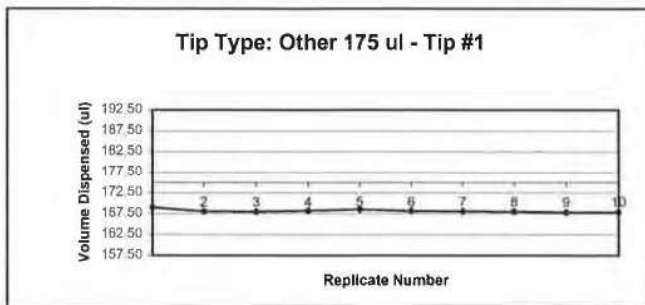
Tip Type: Other
 Disposable Tip Lot #: 6150360
 Sample Type: Nano Pure
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

Across tips	
Mean	168.05
Std. Dev.	0.30
%CV	0.18
% Inaccuracy	4.0

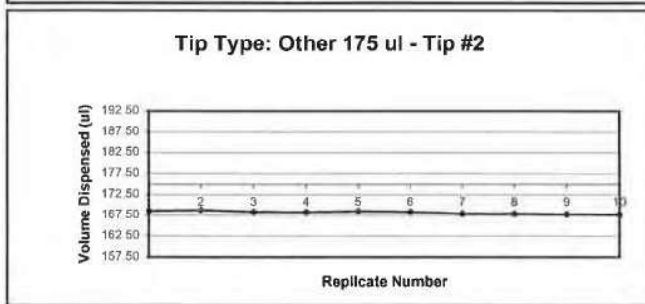
Performance File: WaterBlowout 175ul DT_FW QHSS S=1 O=017072007.prf
 Requested Volume (ul): 175 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-175ul-175ul-Run11

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	168.92	0.80
1	2	168.01	-0.11
1	3	167.91	-0.21
1	4	168.21	0.09
1	5	168.51	0.39
1	6	168.11	-0.01
1	7	168.01	-0.11
1	8	167.91	-0.21
1	9	167.81	-0.31
1	10	167.81	-0.31
2	1	168.51	0.37
2	2	168.72	0.58
2	3	168.31	0.17
2	4	168.21	0.07
2	5	168.41	0.27
2	6	168.31	0.17
2	7	167.81	-0.33
2	8	167.81	-0.33
2	9	167.71	-0.43
2	10	167.61	-0.53
3	1	168.51	0.24
3	2	168.41	0.14
3	3	168.51	0.24
3	4	168.41	0.14
3	5	168.62	0.35
3	6	168.21	-0.06
3	7	168.11	-0.16
3	8	168.01	-0.26
3	9	168.01	-0.26
3	10	167.91	-0.36
4	1	168.01	0.10
4	2	167.81	-0.10
4	3	167.61	-0.30
4	4	167.61	-0.30
4	5	167.51	-0.40
4	6	168.21	0.30
4	7	168.11	0.20
4	8	168.11	0.20
4	9	168.11	0.20
4	10	168.01	0.10
5	1	168.31	0.22
5	2	168.01	-0.08

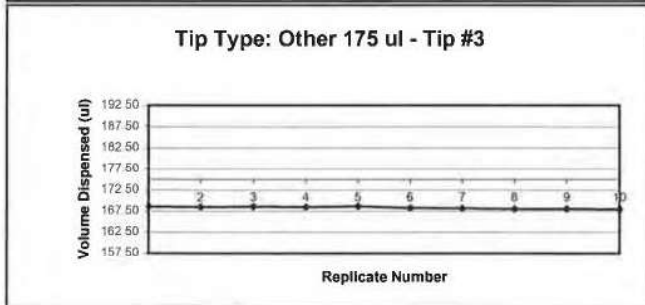
Tip # 1
 Mean 168.12
 Std. Dev. 0.35
 % CV 0.21



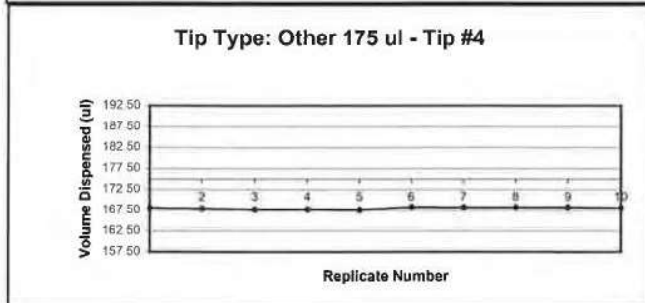
Tip # 2
 Mean 168.14
 Std. Dev. 0.38
 % CV 0.23



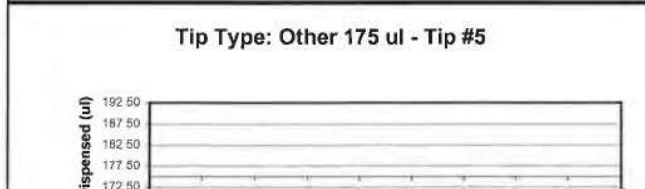
Tip # 3
 Mean 168.27
 Std. Dev. 0.25
 % CV 0.15



Tip # 4
 Mean 167.91
 Std. Dev. 0.25
 % CV 0.15



Tip # 5
 Mean 168.09



5	3	167.91	-0.18
5	4	167.91	-0.18
5	5	167.81	-0.28
5	6	168.11	0.02
5	7	168.21	0.12
5	8	168.21	0.12
5	9	168.21	0.12
5	10	168.21	0.12
6	1	167.71	-0.13
6	2	167.81	-0.03
6	3	167.61	-0.23
6	4	167.81	-0.03
6	5	167.71	-0.13
6	6	168.31	0.47
6	7	168.31	0.47
6	8	168.01	0.17
6	9	168.01	0.17
6	10	167.11	-0.73
7	1	168.41	0.29
7	2	168.11	-0.01
7	3	168.11	-0.01
7	4	168.51	0.39
7	5	167.41	-0.71
7	6	168.31	0.19
7	7	168.11	-0.01
7	8	168.11	-0.01
7	9	168.11	-0.01
7	10	168.01	-0.11
8	1	168.01	0.08
8	2	167.81	-0.12
8	3	167.81	-0.12
8	4	167.81	-0.12
8	5	167.81	-0.12
8	6	168.21	0.28
8	7	168.01	0.08
8	8	167.91	-0.02
8	9	167.91	-0.02
8	10	168.01	0.08

Std. Dev. 0.17
% CV 0.10

Tip # 6

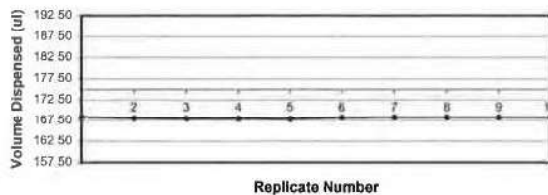
Mean 167.84
Std. Dev. 0.35
% CV 0.21

Tip # 7

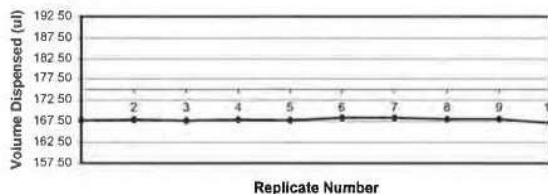
Mean 168.12
Std. Dev. 0.30
% CV 0.18

Tip # 8

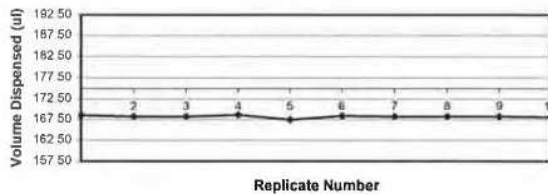
Mean 167.93
Std. Dev. 0.13
% CV 0.08



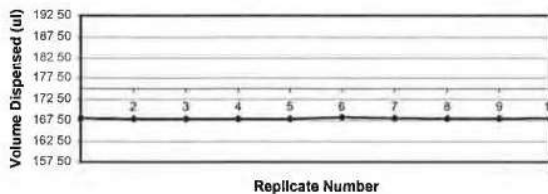
Tip Type: Other 175 ul - Tip #6



Tip Type: Other 175 ul - Tip #7



Tip Type: Other 175 ul - Tip #8

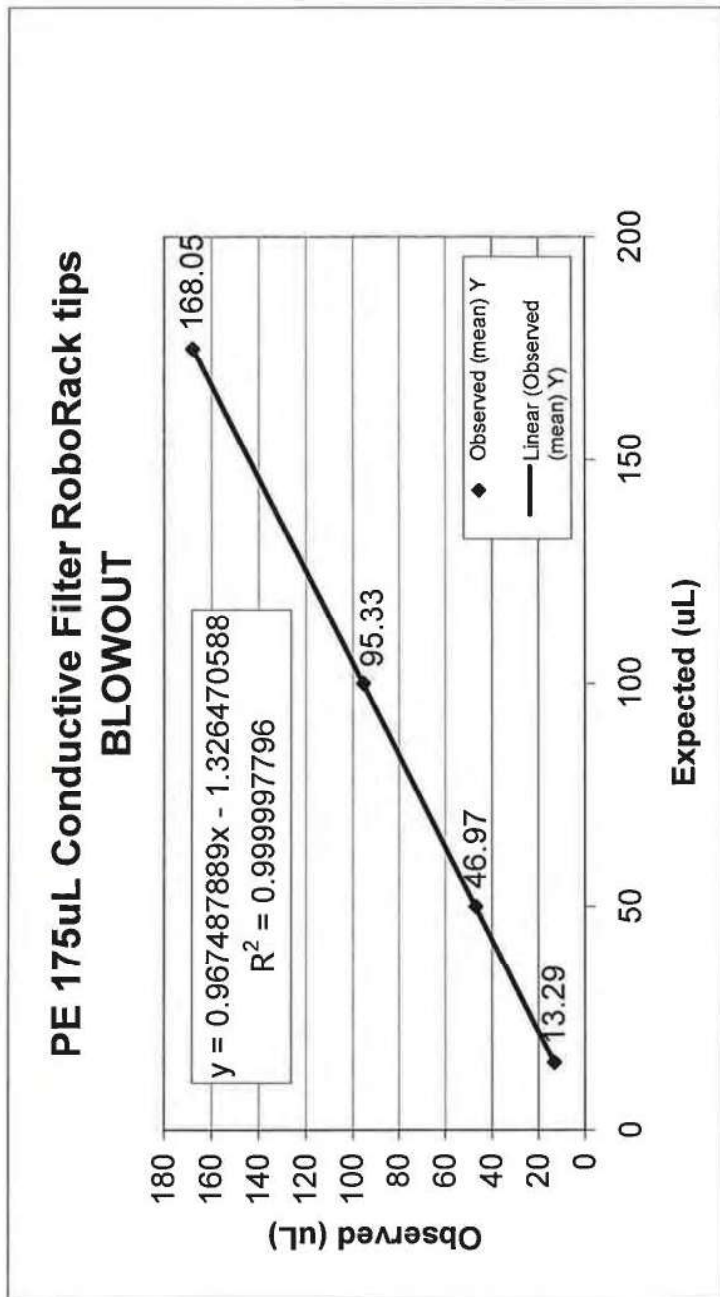


Comment: 175ul WaterBlowout mode (23C) slope=1 and offset=0 calibrate @ 175uL 17072007

Gravimetric Assessment REF Extraction 175uL Conductive Filter RoboRack tips - BLOWOUT mode 180707

Expected X	Observed (mean) Y
175	168.05
100	95.33
50	46.97
15	13.29

Slope 0.967487889
 Offset -1.326470588
 R2 0.999997796



*New slope & offset
test, Vol = 15 µl*

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 07/18/07
Technician: CI

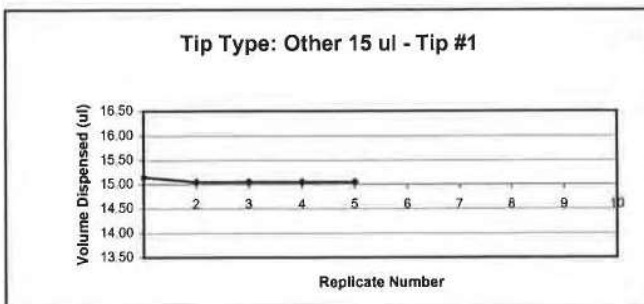
Tip Type: Other
Disposable Tip Lot #: 6150360
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.997538
System Liquid: Nano Pure Water

Across tips	
Mean	15.00
Std. Dev.	0.09
%CV	0.60
% Inaccuracy	0.0

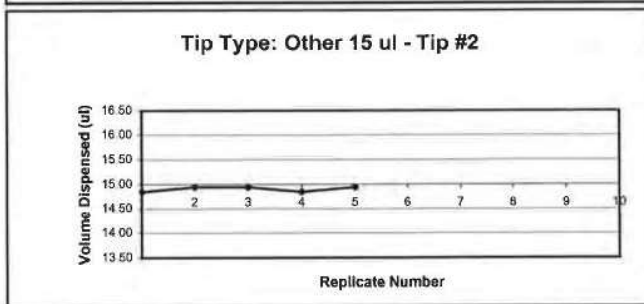
Performance File: WaterBlowout 175ul DT_FW QHSS newslp&of 18072007.prf
Requested Volume (ul): 15 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-15ul-15ul-Run16

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	15.14	0.08
1	2	15.04	-0.02
1	3	15.04	-0.02
1	4	15.04	-0.02
1	5	15.04	-0.02
1	6		-15.06
1	7		-15.06
1	8		-15.06
1	9		-15.06
1	10		-15.06
2	1	14.84	-0.06
2	2	14.94	0.04
2	3	14.94	0.04
2	4	14.84	-0.06
2	5	14.94	0.04
2	6		-14.90
2	7		-14.90
2	8		-14.90
2	9		-14.90
2	10		-14.90
3	1	14.94	0.00
3	2	14.94	0.00
3	3	14.94	0.00
3	4	14.94	0.00
3	5	14.94	0.00
3	6		-14.94
3	7		-14.94
3	8		-14.94
3	9		-14.94
3	10		-14.94
4	1	15.14	0.02
4	2	15.14	0.02
4	3	15.14	0.02
4	4	15.04	-0.08
4	5	15.14	0.02
4	6		-15.12
4	7		-15.12
4	8		-15.12
4	9		-15.12
4	10		-15.12
5	1	14.94	-0.08
5	2	15.04	0.02

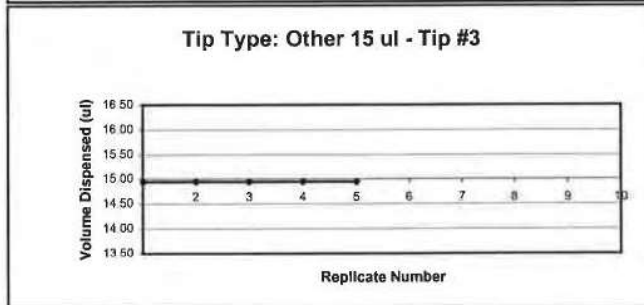
Tip # 1
Mean 15.06
Std. Dev. 0.04
% CV 0.30



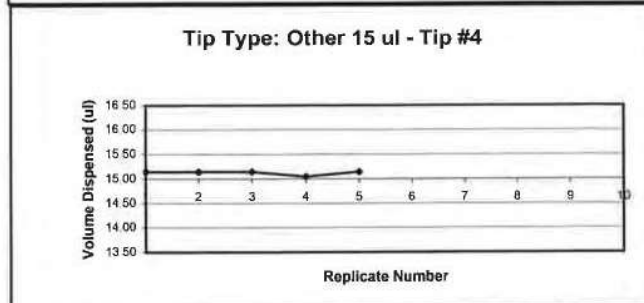
Tip # 2
Mean 14.90
Std. Dev. 0.05
% CV 0.37



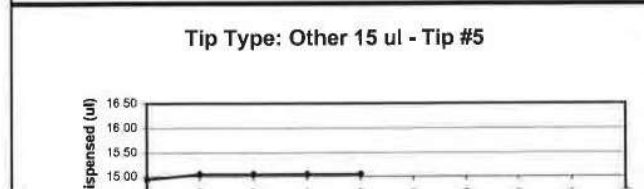
Tip # 3
Mean 14.94
Std. Dev. 0.00
% CV 0.00



Tip # 4
Mean 15.12
Std. Dev. 0.04
% CV 0.30



Tip # 5
Mean 15.02



5	3	15.04	0.02
5	4	15.04	0.02
5	5	15.04	0.02
5	6		-15.02
5	7		-15.02
5	8		-15.02
5	9		-15.02
5	10		-15.02
6	1	15.04	0.02
6	2	15.04	0.02
6	3	15.04	0.02
6	4	14.94	-0.08
6	5	15.04	0.02
6	6		-15.02
6	7		-15.02
6	8		-15.02
6	9		-15.02
6	10		-15.02
7	1	14.94	0.02
7	2	14.94	0.02
7	3	14.94	0.02
7	4	14.74	-0.18
7	5	15.04	0.12
7	6		-14.92
7	7		-14.92
7	8		-14.92
7	9		-14.92
7	10		-14.92
8	1	14.84	-0.14
8	2	15.04	0.06
8	3	15.04	0.06
8	4	15.04	0.06
8	5	14.94	-0.04
8	6		-14.98
8	7		-14.98
8	8		-14.98
8	9		-14.98
8	10		-14.98

Std. Dev. 0.04
% CV 0.30

Tip # 6

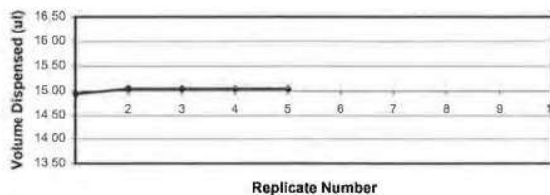
Mean 15.02
Std. Dev. 0.04
% CV 0.30

Tip # 7

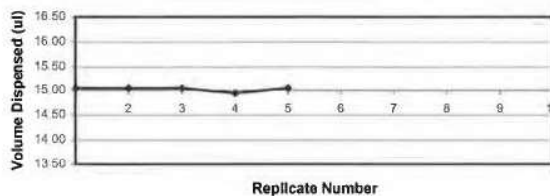
Mean 14.92
Std. Dev. 0.11
% CV 0.73

Tip # 8

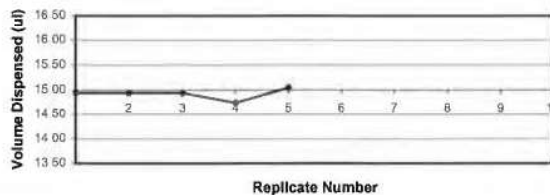
Mean 14.98
Std. Dev. 0.09
% CV 0.60



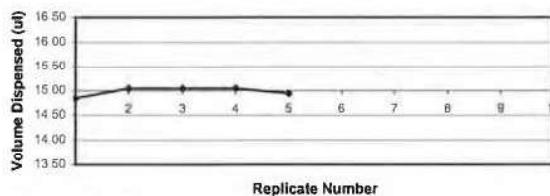
Tip Type: Other 15 ul - Tip #6



Tip Type: Other 15 ul - Tip #7



Tip Type: Other 15 ul - Tip #8



Comment: 175ul WaterBlowout mode (23C) new slope&offset test @ 15uL 18072007_02

New slope & offset.

Balance Test Results

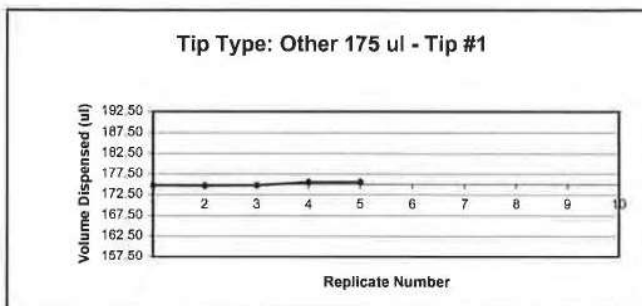
Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/18/07
 Technician: CI
 Performance File: WaterBlowout 175ul DT_FW QHSS newsip&of 18072007.prf
 Requested Volume (ul): 175

Tip Type: Other
 Disposable Tip Lot #: 6150360
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997296
 System Liquid: Nano Pure Water
 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-175ul-175ul-Run12

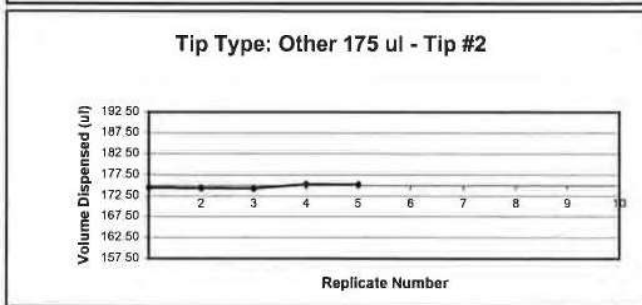
Across tips	
Mean	175.11
Std. Dev.	0.42
%CV	0.24
% Inaccuracy	0.1

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	174.77	-0.26
1	2	174.67	-0.36
1	3	174.77	-0.26
1	4	175.47	0.44
1	5	175.47	0.44
1	6		-175.03
1	7		-175.03
1	8		-175.03
1	9		-175.03
1	10		-175.03
2	1	174.47	-0.24
2	2	174.37	-0.34
2	3	174.27	-0.44
2	4	175.27	0.56
2	5	175.17	0.46
2	6		-174.71
2	7		-174.71
2	8		-174.71
2	9		-174.71
2	10		-174.71
3	1	174.57	-0.20
3	2	174.57	-0.20
3	3	174.57	-0.20
3	4	175.17	0.40
3	5	174.97	0.20
3	6		-174.77
3	7		-174.77
3	8		-174.77
3	9		-174.77
3	10		-174.77
4	1	174.97	-0.14
4	2	174.87	-0.24
4	3	174.77	-0.34
4	4	175.57	0.46
4	5	175.37	0.26
4	6		-175.11
4	7		-175.11
4	8		-175.11
4	9		-175.11
4	10		-175.11
5	1	175.07	-0.28
5	2	175.17	-0.18

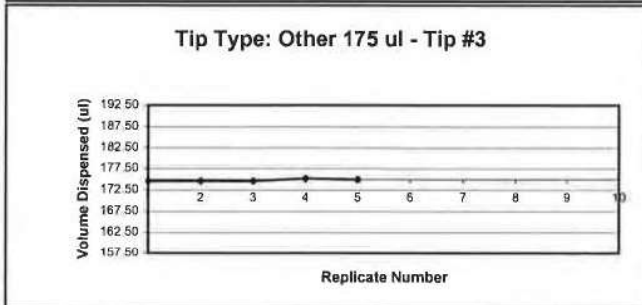
Tip # 1
 Mean 175.03
 Std. Dev. 0.40
 % CV 0.23



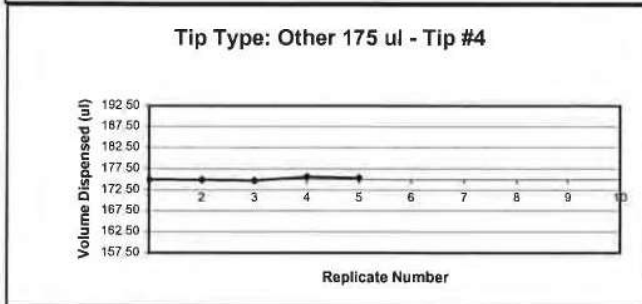
Tip # 2
 Mean 174.71
 Std. Dev. 0.47
 % CV 0.27



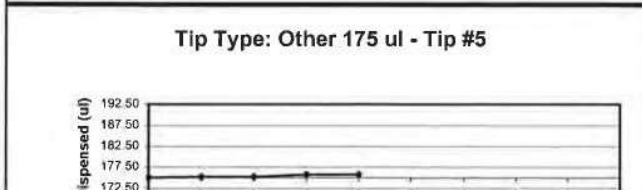
Tip # 3
 Mean 174.77
 Std. Dev. 0.28
 % CV 0.16



Tip # 4
 Mean 175.11
 Std. Dev. 0.34
 % CV 0.20



Tip # 5
 Mean 175.35



5	3	175.17	-0.18
5	4	175.68	0.33
5	5	175.68	0.33
5	6		-175.35
5	7		-175.35
5	8		-175.35
5	9		-175.35
5	10		-175.35
6	1	175.07	-0.14
6	2	174.77	-0.44
6	3	174.87	-0.34
6	4	175.88	0.67
6	5	175.47	0.26
6	6		-175.21
6	7		-175.21
6	8		-175.21
6	9		-175.21
6	10		-175.21
7	1	175.07	-0.18
7	2	174.97	-0.28
7	3	174.97	-0.28
7	4	175.88	0.63
7	5	175.37	0.12
7	6		-175.25
7	7		-175.25
7	8		-175.25
7	9		-175.25
7	10		-175.25
8	1	175.68	0.21
8	2	175.17	-0.30
8	3	175.37	-0.10
8	4	175.78	0.31
8	5	175.37	-0.10
8	6		-175.47
8	7		-175.47
8	8		-175.47
8	9		-175.47
8	10		-175.47

Std. Dev. 0.30
% CV 0.17

Tip # 6

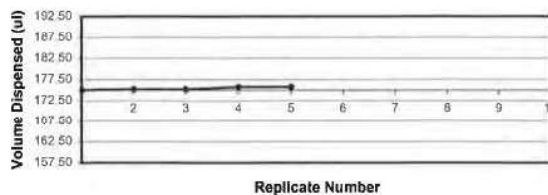
Mean 175.21
Std. Dev. 0.46
% CV 0.26

Tip # 7

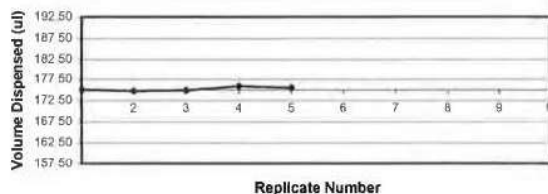
Mean 175.25
Std. Dev. 0.39
% CV 0.22

Tip # 8

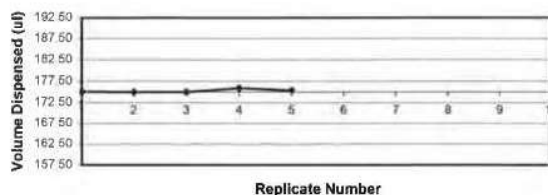
Mean 175.47
Std. Dev. 0.25
% CV 0.14



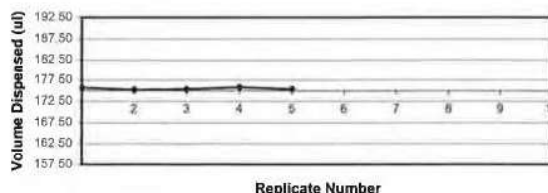
Tip Type: Other 175 ul - Tip #6



Tip Type: Other 175 ul - Tip #7



Tip Type: Other 175 ul - Tip #8



Comment: 175ul WaterBlowout mode (24C) new slope&offset test @ 175uL 18072007

Platform A

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/19/07
 Technician: BG

Tip Type: Other
 Disposable Tip Lot #: 6150360
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

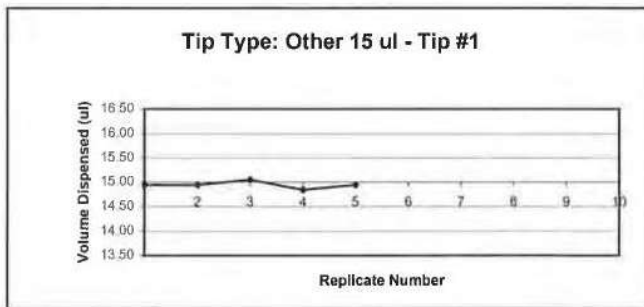
Across tips	
Mean	14.81
Std. Dev.	0.14
%CV	0.97
% Inaccuracy	1.3

Performance File: WaterWaste 175ul_DT_FW_QHSS 19072007.prf
 Requested Volume (ul): 15

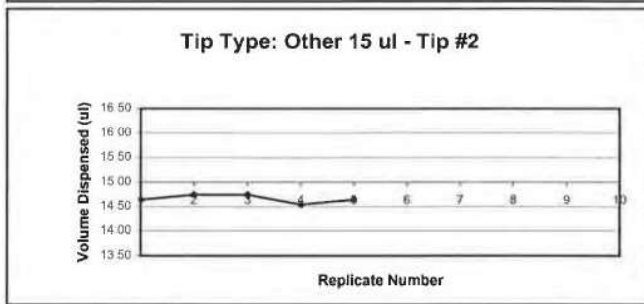
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-15ul-15ul-Run18

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	14.94	0.00
1	2	14.94	0.00
1	3	15.04	0.10
1	4	14.84	-0.10
1	5	14.94	0.00
1	6		-14.94
1	7		-14.94
1	8		-14.94
1	9		-14.94
1	10		-14.94
2	1	14.64	-0.02
2	2	14.74	0.08
2	3	14.74	0.08
2	4	14.54	-0.12
2	5	14.64	-0.02
2	6		-14.66
2	7		-14.66
2	8		-14.66
2	9		-14.66
2	10		-14.66
3	1	14.54	-0.24
3	2	14.84	0.06
3	3	14.84	0.06
3	4	14.74	-0.04
3	5	14.94	0.16
3	6		-14.78
3	7		-14.78
3	8		-14.78
3	9		-14.78
3	10		-14.78
4	1	15.04	0.22
4	2	14.84	0.02
4	3	14.74	-0.08
4	4	14.74	-0.08
4	5	14.74	-0.08
4	6		-14.82
4	7		-14.82
4	8		-14.82
4	9		-14.82
4	10		-14.82
5	1	14.94	-0.06
5	2	15.04	0.04

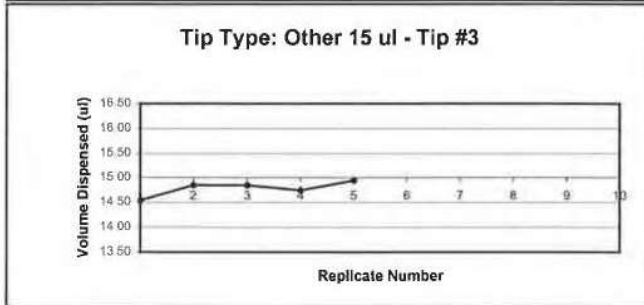
Tip # 1
 Mean 14.94
 Std. Dev. 0.07
 % CV 0.47



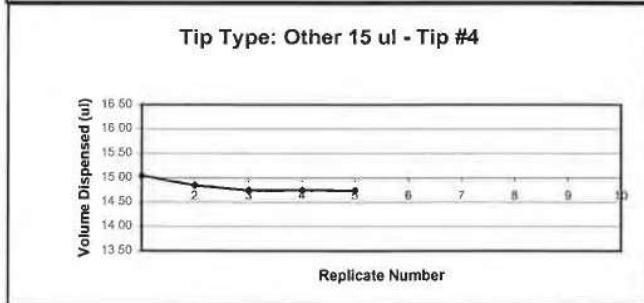
Tip # 2
 Mean 14.66
 Std. Dev. 0.08
 % CV 0.57



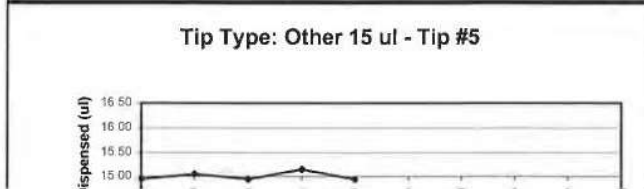
Tip # 3
 Mean 14.78
 Std. Dev. 0.15
 % CV 1.03



Tip # 4
 Mean 14.82
 Std. Dev. 0.13
 % CV 0.88



Tip # 5
 Mean 15.00



5	3	14.94	-0.06
5	4	15.14	0.14
5	5	14.94	-0.06
5	6		-15.00
5	7		-15.00
5	8		-15.00
5	9		-15.00
5	10		-15.00
6	1	14.74	-0.06
6	2	14.74	-0.06
6	3	14.74	-0.06
6	4	15.04	0.24
6	5	14.74	-0.06
6	6		-14.80
6	7		-14.80
6	8		-14.80
6	9		-14.80
6	10		-14.80
7	1	14.74	-0.06
7	2	14.84	0.04
7	3	14.84	0.04
7	4	14.84	0.04
7	5	14.74	-0.06
7	6		-14.80
7	7		-14.80
7	8		-14.80
7	9		-14.80
7	10		-14.80
8	1	14.74	0.06
8	2	14.74	0.06
8	3	14.64	-0.04
8	4	14.64	-0.04
8	5	14.64	-0.04
8	6		-14.68
8	7		-14.68
8	8		-14.68
8	9		-14.68
8	10		-14.68

Std. Dev. 0.09
% CV 0.60

Tip # 6

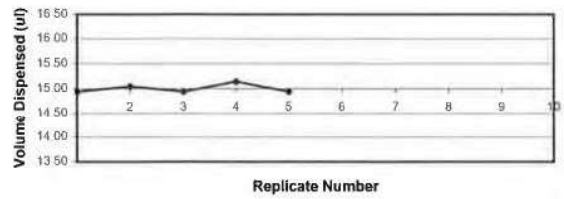
Mean 14.80
Std. Dev. 0.13
% CV 0.91

Tip # 7

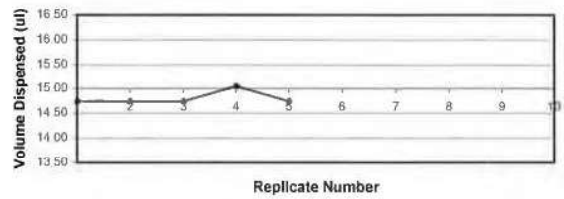
Mean 14.80
Std. Dev. 0.05
% CV 0.37

Tip # 8

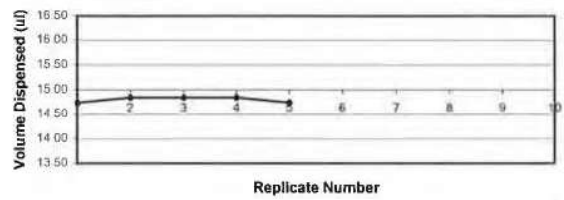
Mean 14.68
Std. Dev. 0.05
% CV 0.37



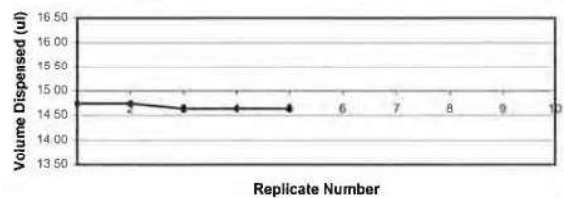
Tip Type: Other 15 ul - Tip #6



Tip Type: Other 15 ul - Tip #7



Tip Type: Other 15 ul - Tip #8



Comment: 175ul WaterWaste mode (23 C) New slope and offset Low @ 15uL 19072007

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/19/07
 Technician: BG

Tip Type: Other
 Disposable Tip Lot #: 6150360
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

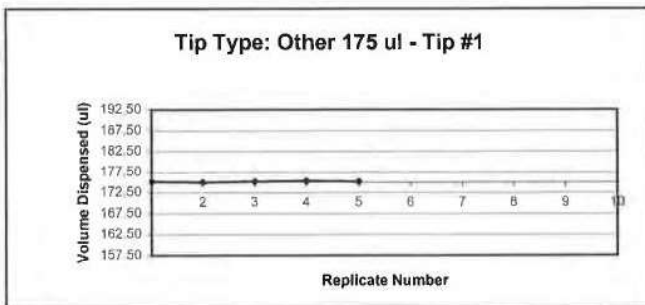
Across tips	
Mean	175.15
Std. Dev.	0.26
%CV	0.15
% Inaccuracy	0.1

Performance File: WaterWaste 175ul DT_FW QHSS 19072007.prf
 Requested Volume (ul): 175

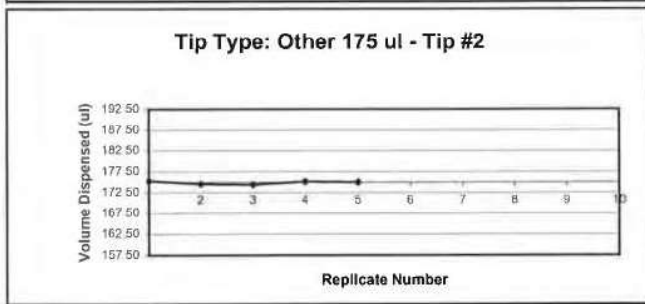
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-175ul-175ul-Run14

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	175.13	0.02
1	2	174.93	-0.18
1	3	175.13	0.02
1	4	175.23	0.12
1	5	175.13	0.02
1	6		-175.11
1	7		-175.11
1	8		-175.11
1	9		-175.11
1	10		-175.11
2	1	175.23	0.40
2	2	174.53	-0.30
2	3	174.33	-0.50
2	4	175.13	0.30
2	5	174.93	0.10
2	6		-174.83
2	7		-174.83
2	8		-174.83
2	9		-174.83
2	10		-174.83
3	1	174.83	-0.14
3	2	174.83	-0.14
3	3	174.83	-0.14
3	4	175.23	0.26
3	5	175.13	0.16
3	6		-174.97
3	7		-174.97
3	8		-174.97
3	9		-174.97
3	10		-174.97
4	1	175.03	0.00
4	2	175.03	0.00
4	3	174.73	-0.30
4	4	175.33	0.30
4	5	175.03	0.00
4	6		-175.03
4	7		-175.03
4	8		-175.03
4	9		-175.03
4	10		-175.03
5	1	175.23	-0.04
5	2	175.23	-0.04

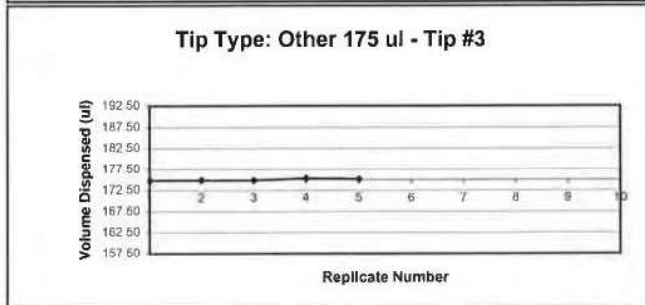
Tip # 1
 Mean 175.11
 Std. Dev. 0.11
 % CV 0.06



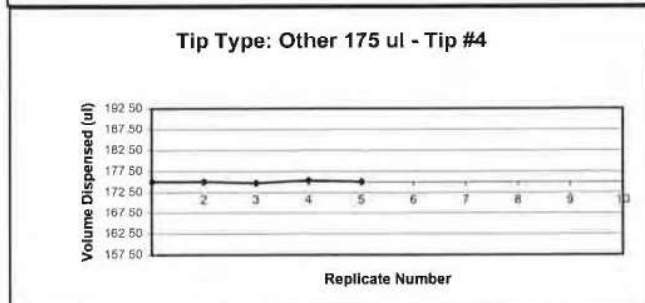
Tip # 2
 Mean 174.83
 Std. Dev. 0.39
 % CV 0.22



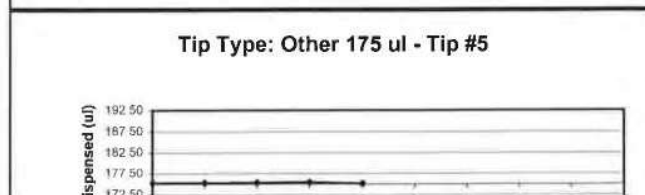
Tip # 3
 Mean 174.97
 Std. Dev. 0.19
 % CV 0.11



Tip # 4
 Mean 175.03
 Std. Dev. 0.21
 % CV 0.12



Tip # 5
 Mean 175.27



5	3	175.33	0.06
5	4	175.43	0.16
5	5	175.13	-0.14
5	6		-175.27
5	7		-175.27
5	8		-175.27
5	9		-175.27
5	10		-175.27
6	1	175.43	0.12
6	2	175.13	-0.18
6	3	174.93	-0.38
6	4	175.63	0.32
6	5	175.43	0.12
6	6		-175.31
6	7		-175.31
6	8		-175.31
6	9		-175.31
6	10		-175.31
7	1	175.33	0.02
7	2	175.33	0.02
7	3	175.23	-0.08
7	4	175.33	0.02
7	5	175.33	0.02
7	6		-175.31
7	7		-175.31
7	8		-175.31
7	9		-175.31
7	10		-175.31
8	1	175.63	0.28
8	2	175.23	-0.12
8	3	175.23	-0.12
8	4	175.33	-0.02
8	5	175.33	-0.02
8	6		-175.35
8	7		-175.35
8	8		-175.35
8	9		-175.35
8	10		-175.35

Std. Dev. 0.11
% CV 0.07

Tip # 6

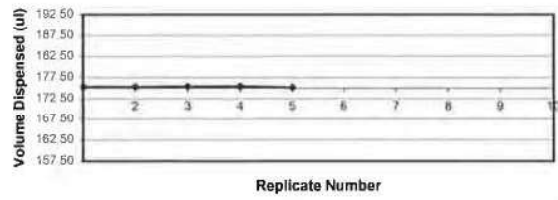
Mean 175.31
Std. Dev. 0.28
% CV 0.16

Tip # 7

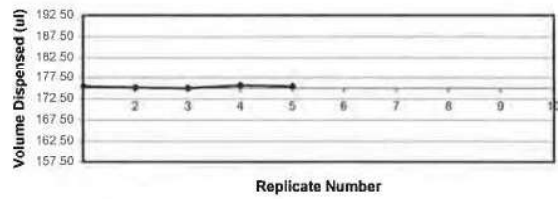
Mean 175.31
Std. Dev. 0.04
% CV 0.03

Tip # 8

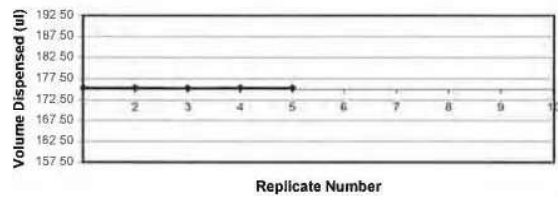
Mean 175.35
Std. Dev. 0.16
% CV 0.09



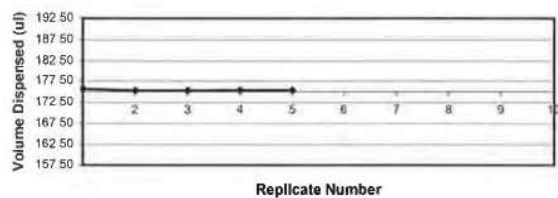
Tip Type: Other 175 ul - Tip #6



Tip Type: Other 175 ul - Tip #7



Tip Type: Other 175 ul - Tip #8



Comment: 175ul WaterWaste mode (23 C) New slope and offset High @ 175uL 19072007

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/19/07
 Technician: CIBG

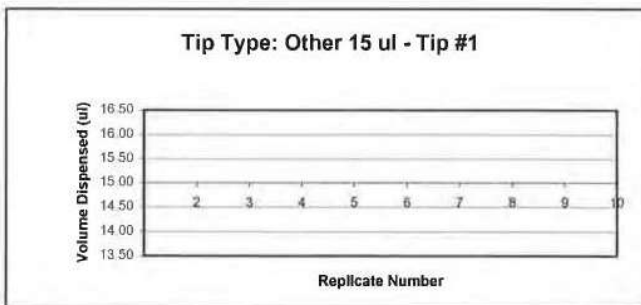
Tip Type: Other
 Disposable Tip Lot #: 6150360
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

Across tips	
Mean	12.78
Std. Dev.	0.22
%CV	1.73
% Inaccuracy	14.8

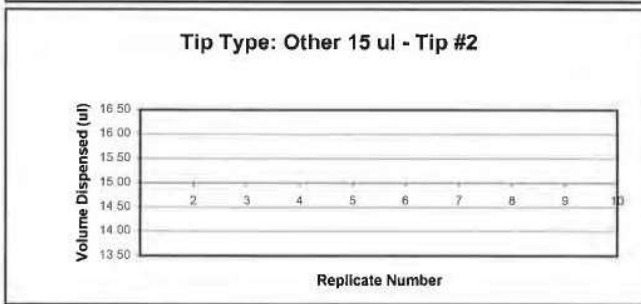
Performance File: WaterWaste 175ul DT_FW QHSS slp1, off0 18072007.prf
 Requested Volume (ul): 15 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-15ul-15ul-Run17

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	13.03	0.15
1	2	12.73	-0.15
1	3	12.83	-0.05
1	4	12.83	-0.05
1	5	13.03	0.15
1	6	12.83	-0.05
1	7	13.03	0.15
1	8	12.83	-0.05
1	9	12.83	-0.05
1	10	12.83	-0.05
2	1	12.43	-0.29
2	2	12.83	0.11
2	3	12.43	-0.29
2	4	12.73	0.01
2	5	12.83	0.11
2	6	12.83	0.11
2	7	12.83	0.11
2	8	12.73	0.01
2	9	12.83	0.11
2	10	12.73	0.01
3	1	13.23	0.49
3	2	12.93	0.19
3	3	13.03	0.29
3	4	12.93	0.19
3	5	12.93	0.19
3	6	12.23	-0.51
3	7	11.93	-0.81
3	8	12.83	0.09
3	9	12.33	-0.41
3	10	13.03	0.29
4	1	12.63	-0.01
4	2	12.63	-0.01
4	3	12.83	0.19
4	4	12.73	0.09
4	5	12.83	0.19
4	6	12.53	-0.11
4	7	12.03	-0.61
4	8	12.83	0.19
4	9	12.63	-0.01
4	10	12.73	0.09
5	1	13.33	0.33
5	2	13.03	0.03

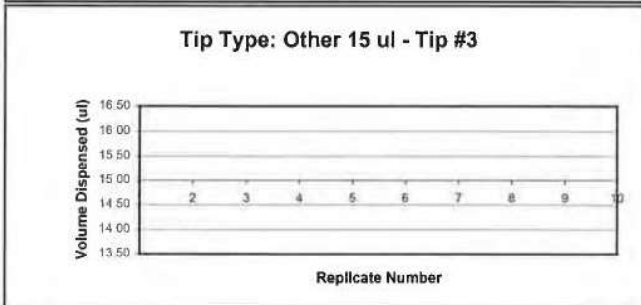
Tip # 1
 Mean 12.88
 Std. Dev. 0.11
 % CV 0.84



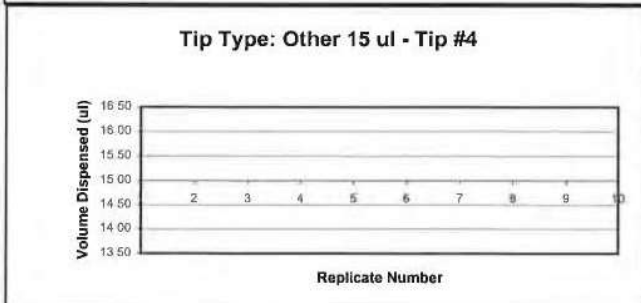
Tip # 2
 Mean 12.72
 Std. Dev. 0.16
 % CV 1.25



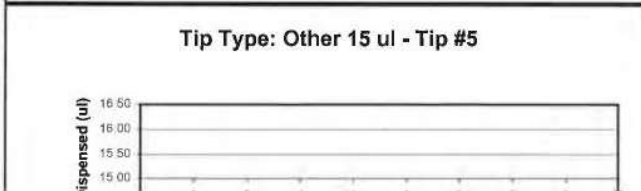
Tip # 3
 Mean 12.74
 Std. Dev. 0.42
 % CV 3.32



Tip # 4
 Mean 12.64
 Std. Dev. 0.24
 % CV 1.88



Tip # 5
 Mean 13.00



5	3	12.93	-0.07
5	4	12.93	-0.07
5	5	12.93	-0.07
5	6	12.93	-0.07
5	7	13.03	0.03
5	8	13.03	0.03
5	9	13.03	0.03
5	10	12.83	-0.17
6	1	12.53	-0.16
6	2	12.73	0.04
6	3	12.63	-0.06
6	4	12.73	0.04
6	5	12.73	0.04
6	6	12.43	-0.26
6	7	12.73	0.04
6	8	12.73	0.04
6	9	12.73	0.04
6	10	12.93	0.24
7	1	12.73	-0.06
7	2	12.73	-0.06
7	3	12.73	-0.06
7	4	12.83	0.04
7	5	12.83	0.04
7	6	12.93	0.14
7	7	12.73	-0.06
7	8	12.93	0.14
7	9	12.63	-0.16
7	10	12.83	0.04
8	1	12.73	-0.03
8	2	12.73	-0.03
8	3	12.83	0.07
8	4	12.53	-0.23
8	5	12.73	-0.03
8	6	12.83	0.07
8	7	12.83	0.07
8	8	12.83	0.07
8	9	12.73	-0.03
8	10	12.83	0.07

Std. Dev. 0.13
% CV 1.03

Tip # 6

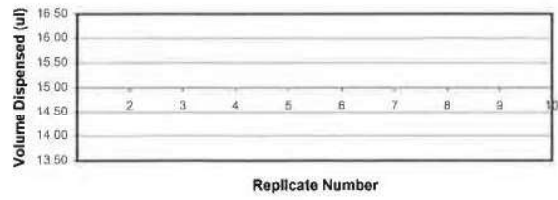
Mean 12.69
Std. Dev. 0.13
% CV 1.06

Tip # 7

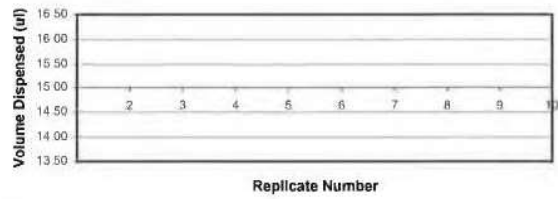
Mean 12.79
Std. Dev. 0.10
% CV 0.76

Tip # 8

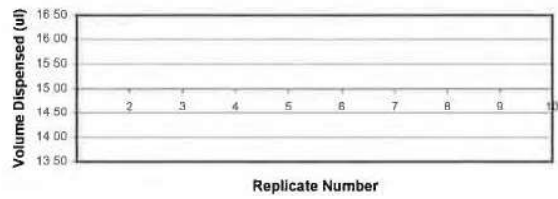
Mean 12.76
Std. Dev. 0.09
% CV 0.74



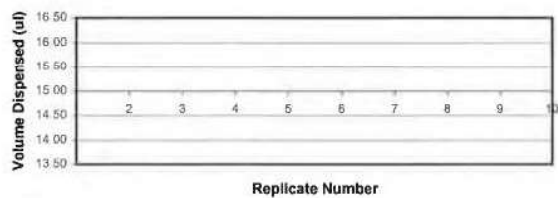
Tip Type: Other 15 ul - Tip #6



Tip Type: Other 15 ul - Tip #7



Tip Type: Other 15 ul - Tip #8



Comment: 175ul WaterWaste mode (23 C) slope1 & offset 0 Cal @ 15uL 19072007

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/19/07
 Technician: C/IBG

Tip Type: Other
 Disposable Tip Lot #: 6150360
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

Across tips	
Mean	46.71
Std. Dev.	0.17
%CV	0.37
% Inaccuracy	6.6

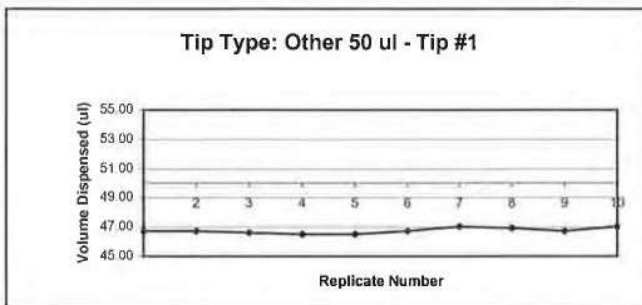
Performance File: WaterWaste 175ul DT_FW QHSS slp1, off0 18072007 prf

Requested Volume (ul): 50

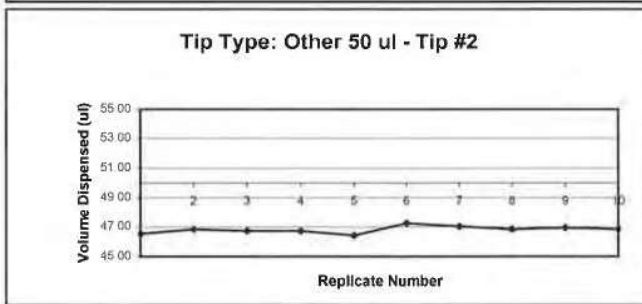
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-50ul-50ul-Run5

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	46.72	-0.03
1	2	46.72	-0.03
1	3	46.61	-0.14
1	4	46.51	-0.24
1	5	46.51	-0.24
1	6	46.72	-0.03
1	7	47.02	0.27
1	8	46.92	0.17
1	9	46.72	-0.03
1	10	47.02	0.27
2	1	46.51	-0.29
2	2	46.82	0.02
2	3	46.72	-0.08
2	4	46.72	-0.08
2	5	46.41	-0.39
2	6	47.22	0.42
2	7	47.02	0.22
2	8	46.82	0.02
2	9	46.92	0.12
2	10	46.82	0.02
3	1	46.61	-0.20
3	2	46.61	-0.20
3	3	46.72	-0.09
3	4	46.72	-0.09
3	5	46.82	0.01
3	6	47.22	0.41
3	7	46.92	0.11
3	8	46.82	0.01
3	9	46.82	0.01
3	10	46.82	0.01
4	1	46.72	0.01
4	2	46.61	-0.10
4	3	46.72	0.01
4	4	46.61	-0.10
4	5	46.51	-0.20
4	6	46.82	0.11
4	7	46.92	0.21
4	8	46.72	0.01
4	9	46.72	0.01
4	10	46.72	0.01
5	1	46.61	-0.18
5	2	46.82	0.03

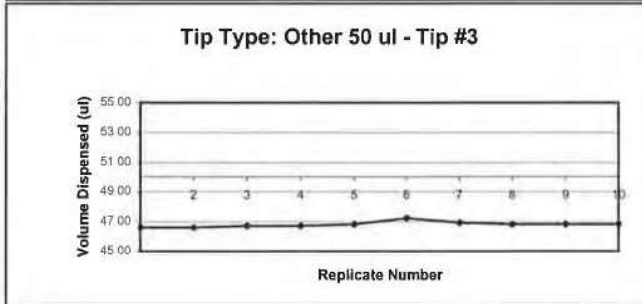
Tip # 1
 Mean 46.75
 Std. Dev. 0.19
 % CV 0.40



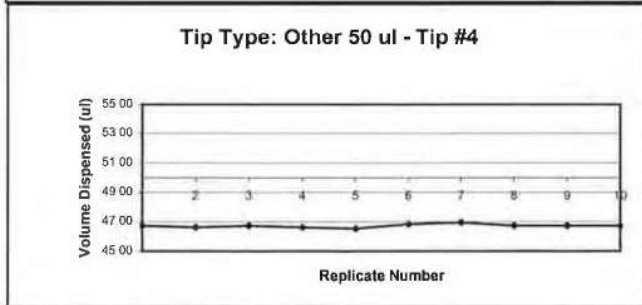
Tip # 2
 Mean 46.80
 Std. Dev. 0.23
 % CV 0.50



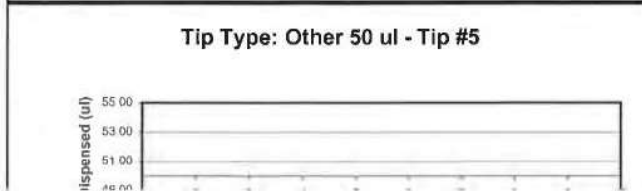
Tip # 3
 Mean 46.81
 Std. Dev. 0.18
 % CV 0.37



Tip # 4
 Mean 46.71
 Std. Dev. 0.11
 % CV 0.24



Tip # 5
 Mean 46.79



5	3	46.61	-0.18
5	4	46.82	0.03
5	5	46.72	-0.07
5	6	46.82	0.03
5	7	46.82	0.03
5	8	47.02	0.23
5	9	46.92	0.13
5	10	46.72	-0.07
6	1	46.41	-0.14
6	2	46.51	-0.04
6	3	46.41	-0.14
6	4	46.41	-0.14
6	5	46.51	-0.04
6	6	46.72	0.17
6	7	46.61	0.06
6	8	46.72	0.17
6	9	46.72	0.17
6	10	46.51	-0.04
7	1	46.61	0.00
7	2	46.41	-0.20
7	3	46.51	-0.10
7	4	46.61	0.00
7	5	46.61	0.00
7	6	46.82	0.21
7	7	46.72	0.11
7	8	46.72	0.11
7	9	46.61	0.00
7	10	46.51	-0.10
8	1	46.72	0.06
8	2	46.61	-0.05
8	3	46.72	0.06
8	4	46.72	0.06
8	5	46.72	0.06
8	6	46.72	0.06
8	7	46.72	0.06
8	8	46.51	-0.15
8	9	46.72	0.06
8	10	46.41	-0.25

Std. Dev. 0.13
% CV 0.27

Tip # 6

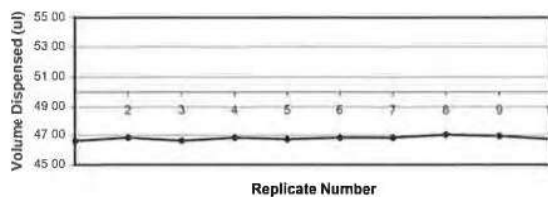
Mean 46.55
Std. Dev. 0.13
% CV 0.28

Tip # 7

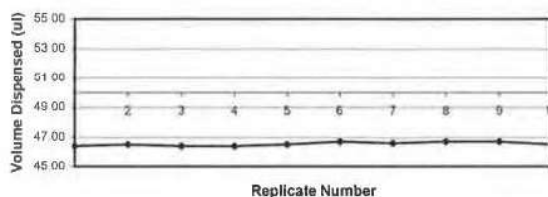
Mean 46.61
Std. Dev. 0.12
% CV 0.26

Tip # 8

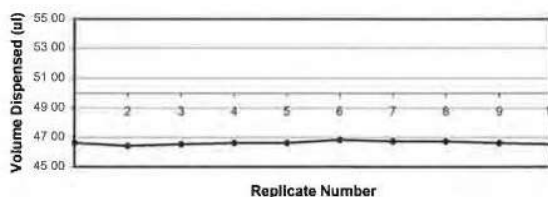
Mean 46.66
Std. Dev. 0.11
% CV 0.24



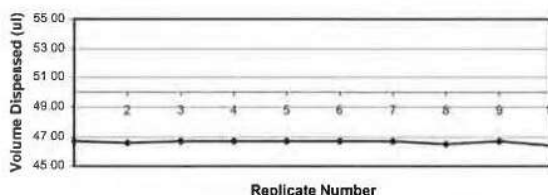
Tip Type: Other 50 ul - Tip #6



Tip Type: Other 50 ul - Tip #7



Tip Type: Other 50 ul - Tip #8



Comment: 175ul WaterWaste mode (23 C) slope1 & offset 0 Cal @ 50uL 19072007

Calib 175ul WaterWaste

Vol = 100 ul

Balance Test Results

Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/19/07
 Technician: CI

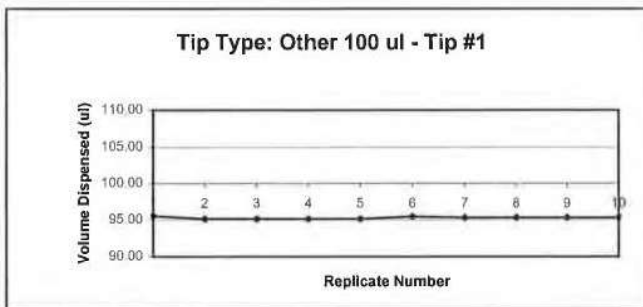
Tip Type: Other
 Disposable Tip Lot #: 6150360
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

Across tips	
Mean	95.21
Std. Dev.	0.17
%CV	0.18
% Inaccuracy	4.8

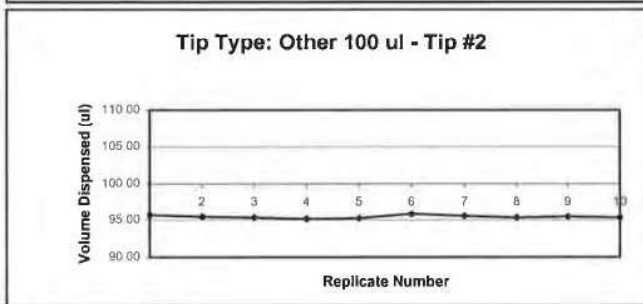
Performance File: WaterWaste 175ul DT_FW QHSS slp1, off0 18072007 prf
 Requested Volume (ul): 100 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-100ul-Run24

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	95.54	0.26
1	2	95.13	-0.15
1	3	95.13	-0.15
1	4	95.13	-0.15
1	5	95.13	-0.15
1	6	95.43	0.15
1	7	95.33	0.05
1	8	95.33	0.05
1	9	95.33	0.05
1	10	95.33	0.05
2	1	95.64	0.22
2	2	95.43	0.01
2	3	95.33	-0.09
2	4	95.13	-0.29
2	5	95.23	-0.19
2	6	95.84	0.42
2	7	95.54	0.12
2	8	95.33	-0.09
2	9	95.43	0.01
2	10	95.33	-0.09
3	1	95.13	-0.02
3	2	95.23	0.08
3	3	95.13	-0.02
3	4	95.03	-0.12
3	5	95.13	-0.02
3	6	95.43	0.28
3	7	95.23	0.08
3	8	95.03	-0.12
3	9	95.13	-0.02
3	10	95.03	-0.12
4	1	95.43	0.17
4	2	95.33	0.07
4	3	95.23	-0.03
4	4	95.23	-0.03
4	5	95.23	-0.03
4	6	95.03	-0.23
4	7	95.43	0.17
4	8	95.23	-0.03
4	9	95.13	-0.13
4	10	95.33	0.07
5	1	95.23	0.06
5	2	95.03	-0.14

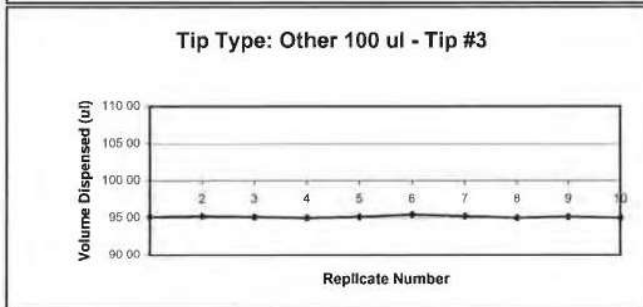
Tip # 1
 Mean 95.28
 Std. Dev. 0.15
 % CV 0.15



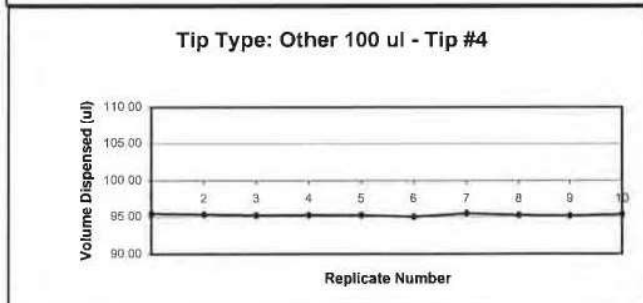
Tip # 2
 Mean 95.42
 Std. Dev. 0.21
 % CV 0.22



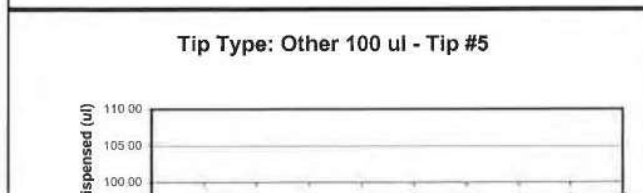
Tip # 3
 Mean 95.15
 Std. Dev. 0.12
 % CV 0.13



Tip # 4
 Mean 95.26
 Std. Dev. 0.13
 % CV 0.13



Tip # 5
 Mean 95.17



5	3	95.33	0.16
5	4	95.23	0.06
5	5	95.23	0.06
5	6	95.33	0.16
5	7	95.13	-0.04
5	8	95.03	-0.14
5	9	95.23	0.06
5	10	94.93	-0.24
6	1	95.33	0.17
6	2	95.33	0.17
6	3	95.13	-0.03
6	4	94.83	-0.33
6	5	95.03	-0.13
6	6	95.33	0.17
6	7	95.33	0.17
6	8	95.23	0.07
6	9	95.03	-0.13
6	10	95.03	-0.13
7	1	95.33	0.19
7	2	95.13	-0.01
7	3	95.13	-0.01
7	4	95.03	-0.11
7	5	95.13	-0.01
7	6	95.23	0.09
7	7	95.13	-0.01
7	8	95.13	-0.01
7	9	95.03	-0.11
7	10	95.13	-0.01
8	1	95.23	0.14
8	2	95.13	0.04
8	3	95.13	0.04
8	4	95.13	0.04
8	5	95.13	0.04
8	6	95.13	0.04
8	7	95.03	-0.06
8	8	94.93	-0.16
8	9	95.03	-0.06
8	10	95.03	-0.06

Std. Dev. 0.13
% CV 0.14

Tip # 6

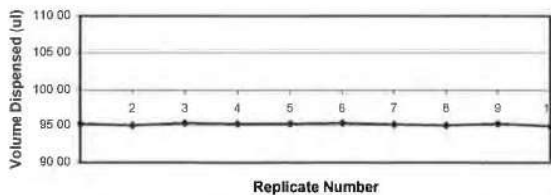
Mean 95.16
Std. Dev. 0.18
% CV 0.19

Tip # 7

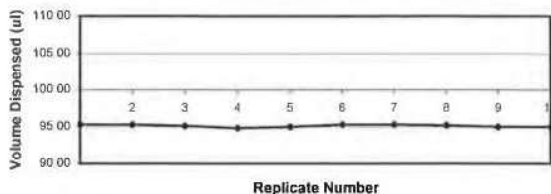
Mean 95.14
Std. Dev. 0.09
% CV 0.09

Tip # 8

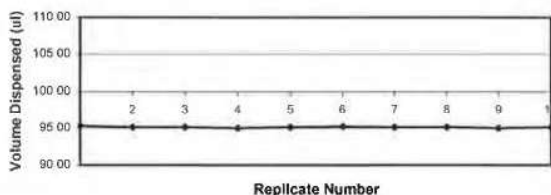
Mean 95.09
Std. Dev. 0.08
% CV 0.09



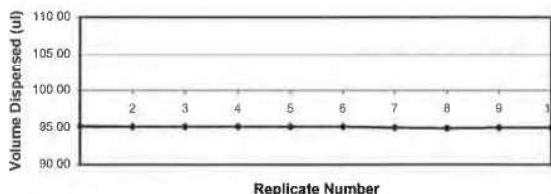
Tip Type: Other 100 ul - Tip #6



Tip Type: Other 100 ul - Tip #7



Tip Type: Other 100 ul - Tip #8



Comment: 175ul WaterWaste mode (23 C) slope1 & offset 0 Cal @ 100uL 19072007

Calib 175ul water waste code
vol 175ul

Balance Test Results

Model: MPlI HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/18/07
 Technician: CI

Tip Type: Other
 Disposable Tip Lot #: 6150360
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997296
 System Liquid: Nano Pure Water

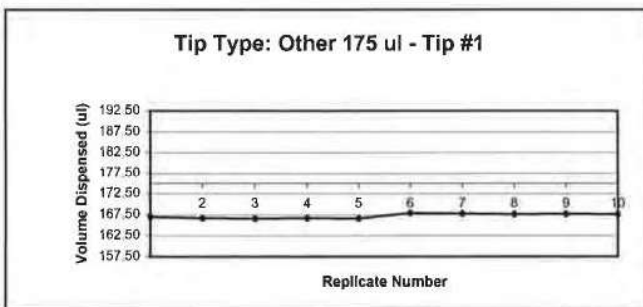
Across tips	
Mean	167.57
Std. Dev.	0.50
%CV	0.30
% Inaccuracy	4.2

Performance File: WaterWaste 175ul DT_FW QHSS slp1, off0 18072007.prf
 Requested Volume (ul): 175

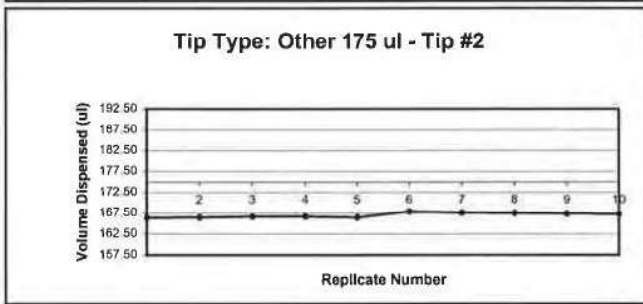
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-175ul-175ul-Run13

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	166.95	-0.22
1	2	166.65	-0.52
1	3	166.55	-0.62
1	4	166.65	-0.52
1	5	166.55	-0.62
1	6	167.85	0.68
1	7	167.75	0.58
1	8	167.55	0.38
1	9	167.65	0.48
1	10	167.55	0.38
2	1	166.35	-0.65
2	2	166.45	-0.55
2	3	166.65	-0.35
2	4	166.65	-0.35
2	5	166.45	-0.55
2	6	167.85	0.85
2	7	167.55	0.55
2	8	167.45	0.45
2	9	167.35	0.35
2	10	167.25	0.25
3	1	167.35	-0.22
3	2	167.25	-0.32
3	3	167.05	-0.52
3	4	167.35	-0.22
3	5	167.35	-0.22
3	6	168.15	0.58
3	7	167.95	0.38
3	8	167.75	0.18
3	9	167.75	0.18
3	10	167.75	0.18
4	1	167.45	-0.10
4	2	167.25	-0.30
4	3	167.25	-0.30
4	4	167.25	-0.30
4	5	167.15	-0.40
4	6	168.15	0.60
4	7	167.95	0.40
4	8	167.85	0.30
4	9	167.55	0.00
4	10	167.65	0.10
5	1	167.95	0.11
5	2	167.65	-0.19

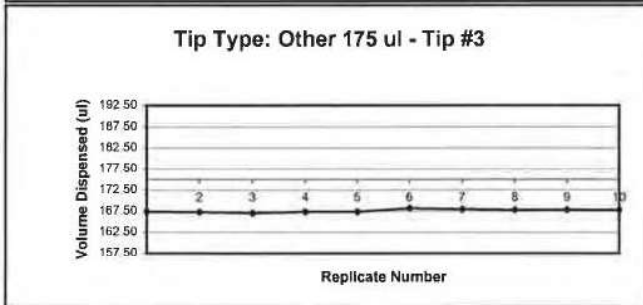
Tip # 1
 Mean 167.17
 Std. Dev. 0.55
 % CV 0.33



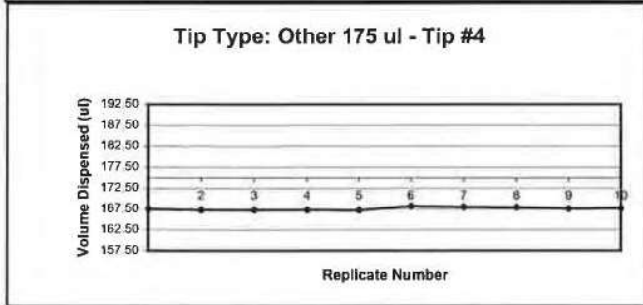
Tip # 2
 Mean 167.00
 Std. Dev. 0.55
 % CV 0.33



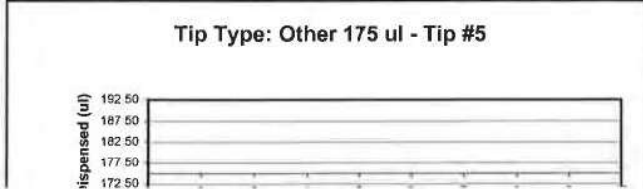
Tip # 3
 Mean 167.57
 Std. Dev. 0.35
 % CV 0.21



Tip # 4
 Mean 167.55
 Std. Dev. 0.34
 % CV 0.20



Tip # 5
 Mean 167.84



5	3	167.85	0.01
5	4	167.75	-0.09
5	5	167.75	-0.09
5	6	168.25	0.41
5	7	168.15	0.31
5	8	167.95	0.11
5	9	167.85	0.01
5	10	167.25	-0.59
6	1	167.75	0.04
6	2	167.65	-0.06
6	3	167.35	-0.36
6	4	167.55	-0.16
6	5	166.45	-1.26
6	6	168.36	0.65
6	7	168.05	0.34
6	8	167.85	0.14
6	9	167.95	0.24
6	10	168.15	0.44
7	1	168.05	0.11
7	2	168.05	0.11
7	3	167.45	-0.49
7	4	167.75	-0.19
7	5	167.55	-0.39
7	6	168.15	0.21
7	7	168.15	0.21
7	8	168.15	0.21
7	9	168.05	0.11
7	10	168.05	0.11
8	1	167.85	0.05
8	2	167.55	-0.25
8	3	167.55	-0.25
8	4	168.25	0.45
8	5	167.45	-0.35
8	6	168.15	0.35
8	7	167.95	0.15
8	8	167.85	0.05
8	9	167.65	-0.15
8	10	167.75	-0.05

Std. Dev. 0.28
% CV 0.16

Tip # 6

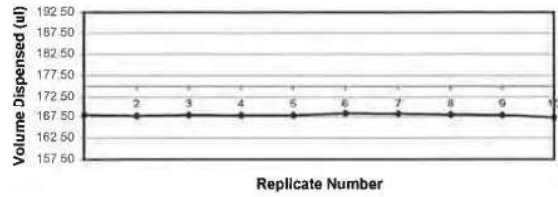
Mean 167.71
Std. Dev. 0.53
% CV 0.32

Tip # 7

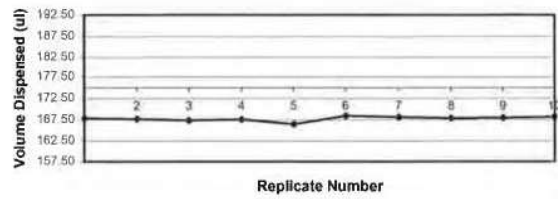
Mean 167.94
Std. Dev. 0.26
% CV 0.15

Tip # 8

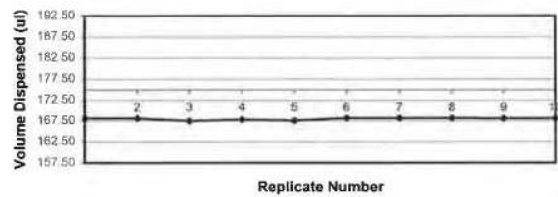
Mean 167.80
Std. Dev. 0.26
% CV 0.16



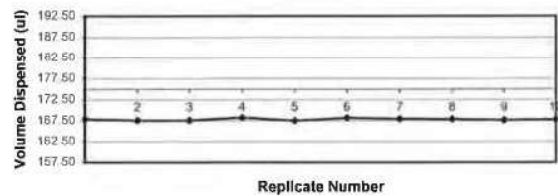
Tip Type: Other 175 ul - Tip #6



Tip Type: Other 175 ul - Tip #7



Tip Type: Other 175 ul - Tip #8

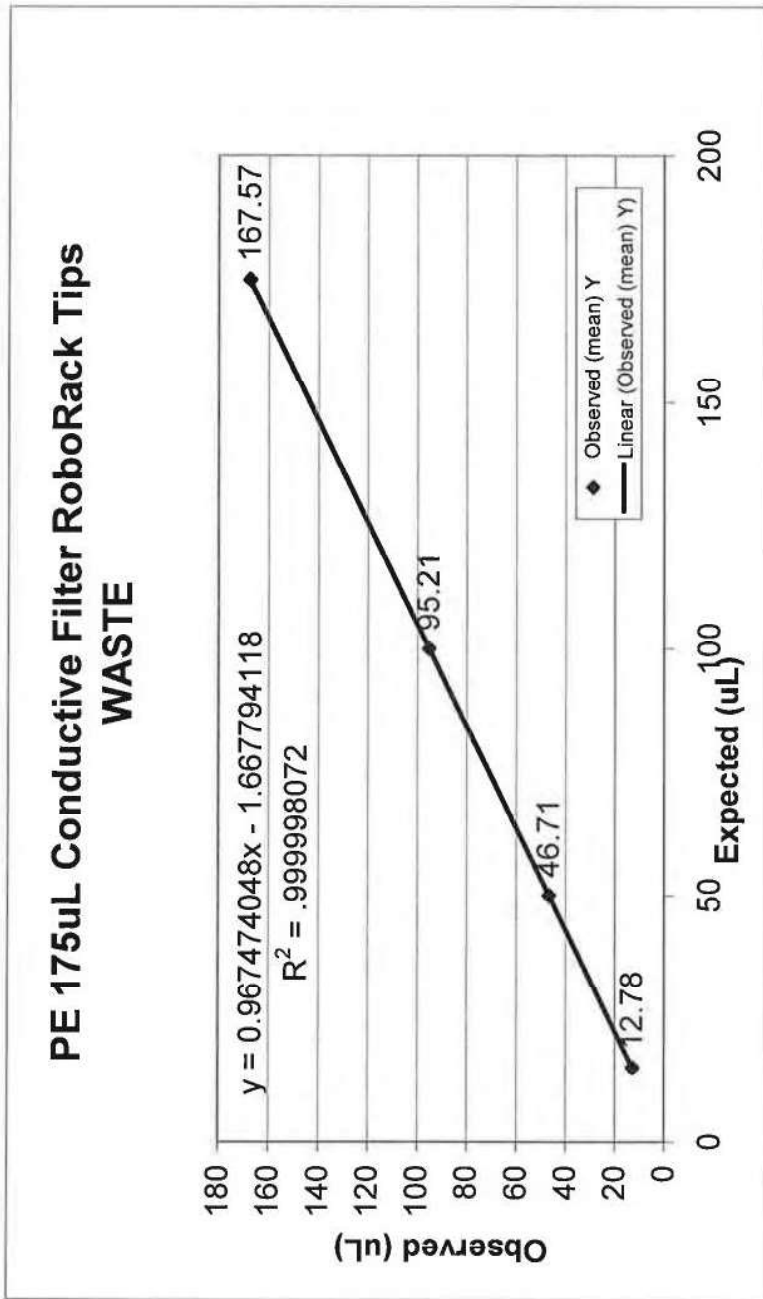


Comment: 175ul WaterWaste mode (24 C) slope1 & offset 0 Cal @ 175uL 18072007

Gravimetric Assessment REF Extraction 175uL Conductive Filter RoboRack tips - WASTE mode (19070)

Expected X	Observed (mean) Y
175	167.57
100	95.21
50	46.71
15	12.78

Slope 0.967474048
 Offset -1.667794118
 R2 0.999998072



*Extraction Plat. - A
175ul Non Conductive tips
Narrow slope / offset
Calib checked*

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 09/17/07
Technician: GSL

Tip Type: Other
Disposable Tip Lot #: 6180383
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.99777
System Liquid: Nano Pure Water

Across tips	
Mean	15.37
Std. Dev.	0.24
% CV	1.56
% Inaccuracy	2.5

Performance File: WaterBlowout 175ul_DT_FW_QHSS 18072007.prf

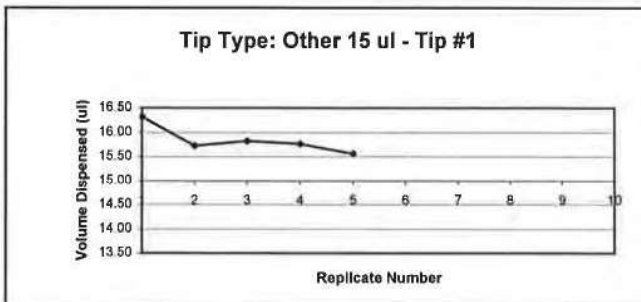
Requested Volume (ul): 15

C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-15ul-15ul-Run19

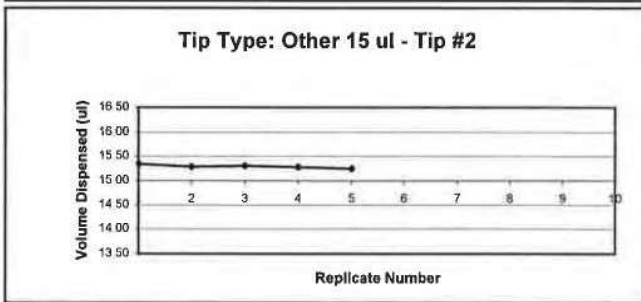
Tip # Repl # Dsp. Wt. # Std from Mean

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	16.32	0.48
1	2	15.72	-0.12
1	3	15.82	-0.02
1	4	15.76	-0.08
1	5	15.56	-0.28
1	6		-15.84
1	7		-15.84
1	8		-15.84
1	9		-15.84
1	10		-15.84
2	1	15.34	0.05
2	2	15.28	-0.01
2	3	15.30	0.01
2	4	15.27	-0.02
2	5	15.24	-0.05
2	6		-15.29
2	7		-15.29
2	8		-15.29
2	9		-15.29
2	10		-15.29
3	1	15.55	0.21
3	2	15.32	-0.02
3	3	15.19	-0.15
3	4	15.43	0.09
3	5	15.19	-0.15
3	6		-15.34
3	7		-15.34
3	8		-15.34
3	9		-15.34
3	10		-15.34
4	1	15.54	0.12
4	2	15.46	0.04
4	3	15.49	0.07
4	4	15.32	-0.10
4	5	15.28	-0.14
4	6		-15.42
4	7		-15.42
4	8		-15.42
4	9		-15.42
4	10		-15.42
5	1	15.60	0.16
5	2	15.55	0.11

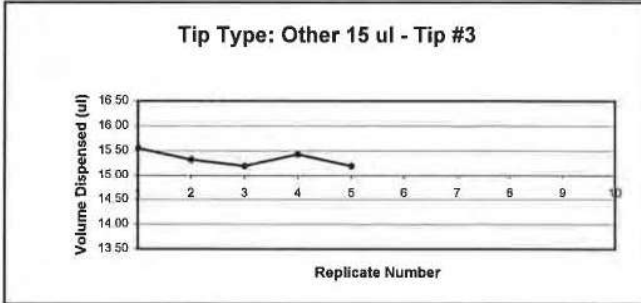
Tip # 1
Mean 15.84
Std. Dev. 0.29
% CV 1.81



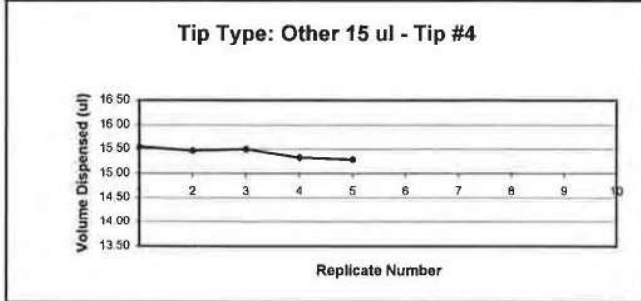
Tip # 2
Mean 15.29
Std. Dev. 0.04
% CV 0.24



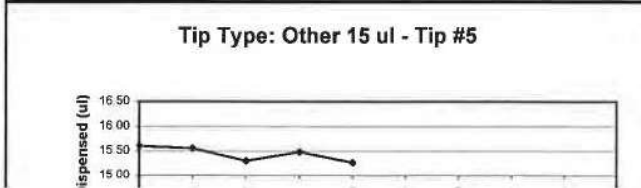
Tip # 3
Mean 15.34
Std. Dev. 0.16
% CV 1.02



Tip # 4
Mean 15.42
Std. Dev. 0.11
% CV 0.73



Tip # 5
Mean 15.44



5	3	15.30	-0.14
5	4	15.48	0.04
5	5	15.26	-0.18
5	6		-15.44
5	7		-15.44
5	8		-15.44
5	9		-15.44
5	10		-15.44
6	1	15.24	0.05
6	2	15.03	-0.16
6	3	15.03	-0.16
6	4	15.36	0.17
6	5	15.27	0.08
6	6		-15.19
6	7		-15.19
6	8		-15.19
6	9		-15.19
6	10		-15.19
7	1	15.35	0.12
7	2	15.23	0.00
7	3	15.12	-0.11
7	4	15.30	0.07
7	5	15.13	-0.10
7	6		-15.23
7	7		-15.23
7	8		-15.23
7	9		-15.23
7	10		-15.23
8	1	15.35	0.10
8	2	15.18	-0.07
8	3	15.17	-0.08
8	4	15.38	0.13
8	5	15.17	-0.08
8	6		-15.25
8	7		-15.25
8	8		-15.25
8	9		-15.25
8	10		-15.25

Std. Dev. 0.15
% CV 0.98

Tip # 6

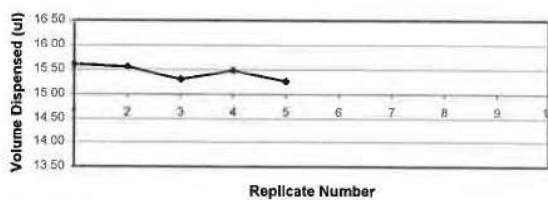
Mean 15.19
Std. Dev. 0.15
% CV 0.98

Tip # 7

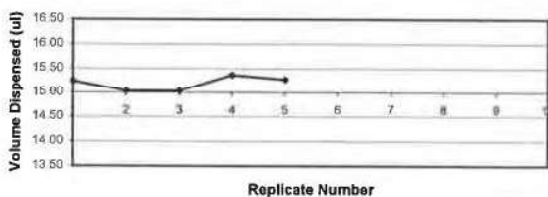
Mean 15.23
Std. Dev. 0.10
% CV 0.67

Tip # 8

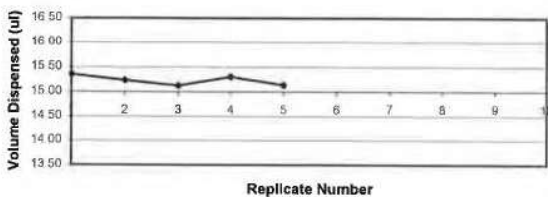
Mean 15.25
Std. Dev. 0.11
% CV 0.69



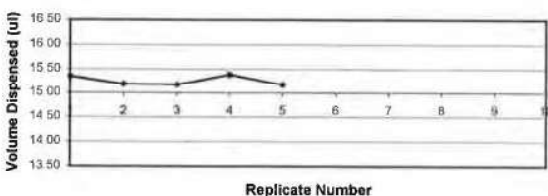
Tip Type: Other 15 ul - Tip #6



Tip Type: Other 15 ul - Tip #7



Tip Type: Other 15 ul - Tip #8



Comment: 175uL Non Conductive tips WaterBlowout mode (22 C) checked@ 15uL 17092007

*Extraction Plat - A
175 ul Non-Conductive;
New slope / offset
Calib checked*

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 09/17/07
Technician: GSL
Performance File: WaterBlowout 175ul_DT_FW_QHSS 18072007.prf
Requested Volume (ul): 175

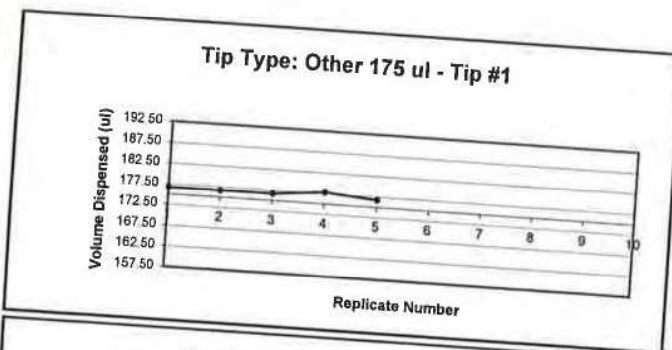
Tip Type: Other
Disposable Tip Lot #: 6180383
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.99777
System Liquid: Nano Pure Water

Across tips	
Mean	176.28
Std. Dev.	0.88
%CV	0.50
% Inaccuracy	0.7

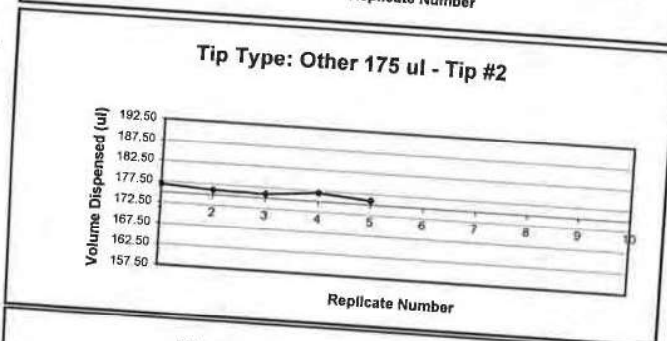
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-175ul-175ul-Run20

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	176.62	-0.26
1	2	176.65	-0.23
1	3	176.65	-0.23
1	4	177.80	0.92
1	5	176.69	-0.19
1	6		-176.88
1	7		-176.88
1	8		-176.88
1	9		-176.88
1	10		-176.88
2	1	176.84	0.47
2	2	176.12	-0.25
2	3	175.95	-0.42
2	4	176.98	0.61
2	5	175.95	-0.42
2	6		-176.37
2	7		-176.37
2	8		-176.37
2	9		-176.37
2	10		-176.37
3	1	177.16	0.54
3	2	175.96	-0.66
3	3	176.17	-0.45
3	4	177.81	1.19
3	5	175.98	-0.64
3	6		-176.62
3	7		-176.62
3	8		-176.62
3	9		-176.62
3	10		-176.62
4	1	177.02	0.70
4	2	176.06	-0.26
4	3	175.89	-0.43
4	4	176.97	0.65
4	5	175.66	-0.66
4	6		-176.32
4	7		-176.32
4	8		-176.32
4	9		-176.32
4	10		-176.32
5	1	177.61	1.48
5	2	175.83	-0.30

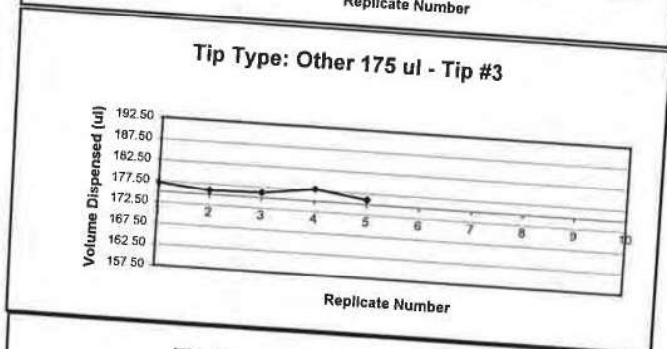
Tip # 1
Mean 176.88
Std. Dev. 0.51
% CV 0.29



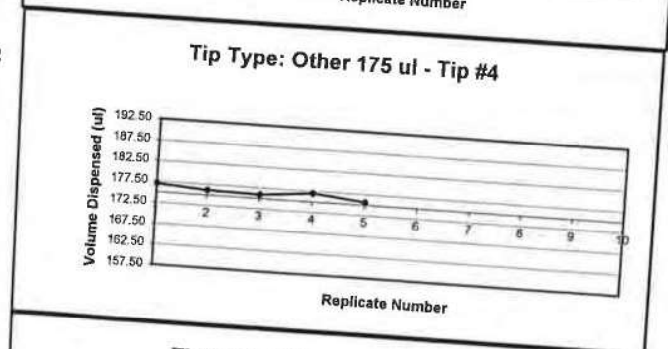
Tip # 2
Mean 176.37
Std. Dev. 0.50
% CV 0.28



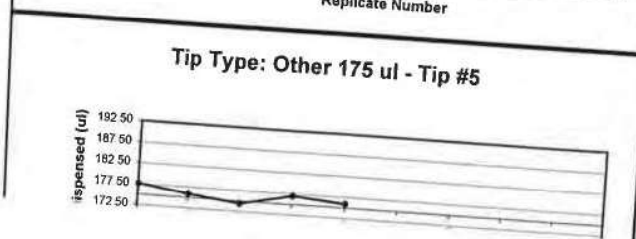
Tip # 3
Mean 176.62
Std. Dev. 0.83
% CV 0.47



Tip # 4
Mean 176.32
Std. Dev. 0.63
% CV 0.36



Tip # 5
Mean 176.13



5	3	174.36	-1.77
5	4	177.01	0.88
5	5	175.85	-0.28
5	6		-176.13
5	7		-176.13
5	8		-176.13
5	9		-176.13
5	10		-176.13
6	1	175.19	0.12
6	2	174.40	-0.67
6	3	174.25	-0.82
6	4	177.10	2.03
6	5	174.40	-0.67
6	6		-175.07
6	7		-175.07
6	8		-175.07
6	9		-175.07
6	10		-175.07
7	1	176.49	0.18
7	2	176.40	0.09
7	3	176.36	0.05
7	4	176.28	-0.03
7	5	176.03	-0.28
7	6		-176.31
7	7		-176.31
7	8		-176.31
7	9		-176.31
7	10		-176.31
8	1	177.44	0.93
8	2	175.98	-0.53
8	3	176.24	-0.27
8	4	176.72	0.21
8	5	176.18	-0.33
8	6		-176.51
8	7		-176.51
8	8		-176.51
8	9		-176.51
8	10		-176.51

Std. Dev. 1.25
% CV 0.71

Tip # 6

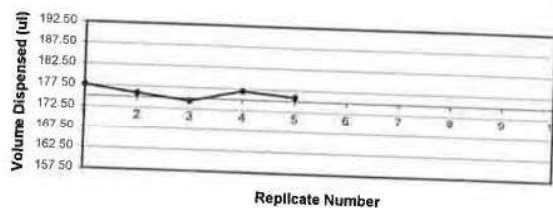
Mean 175.07
Std. Dev. 1.19
% CV 0.68

Tip # 7

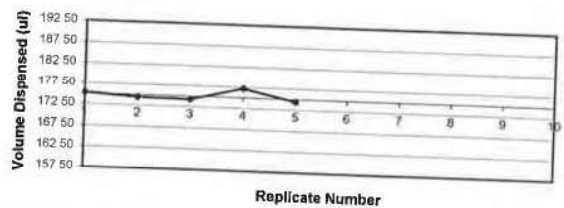
Mean 176.31
Std. Dev. 0.17
% CV 0.10

Tip # 8

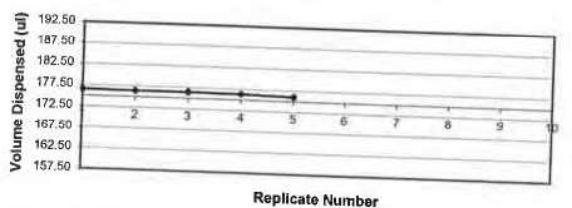
Mean 176.51
Std. Dev. 0.59
% CV 0.33



Tip Type: Other 175 ul - Tip #6



Tip Type: Other 175 ul - Tip #7



Tip Type: Other 175 ul - Tip #8

Comment: 175uL Non Conductive tips WaterBlowout mode (22 C) checked@ 175uL 17092007

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 17/09/07
 Technician: GSL

Tip Type: Other
 Disposable Tip Lot #: 6180383
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.99777
 System Liquid: Nano Pure Water

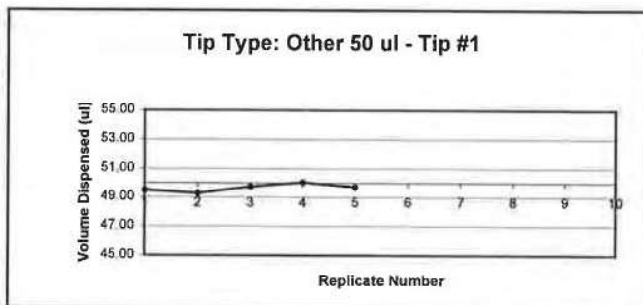
Across tips	
Mean	49.46
Std. Dev.	0.35
%CV	0.71
% Inaccuracy	1.1

Performance File: WaterBlowout 175ul DT_FW_070907RESIN.prf

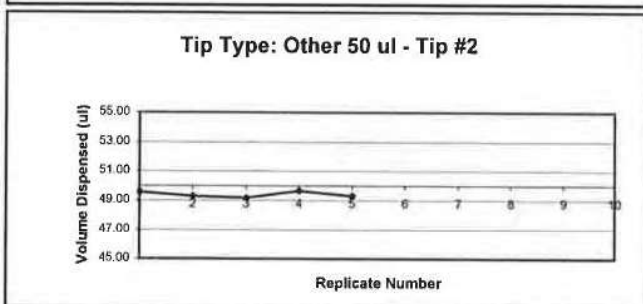
Requested Volume (ul): **50** C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-50ul-50ul-Run5

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	49.49	-0.16
1	2	49.28	-0.37
1	3	49.72	0.07
1	4	50.04	0.39
1	5	49.71	0.06
1	6		-49.65
1	7		-49.65
1	8		-49.65
1	9		-49.65
1	10		-49.65
2	1	49.57	0.17
2	2	49.29	-0.11
2	3	49.18	-0.22
2	4	49.64	0.24
2	5	49.30	-0.10
2	6		-49.40
2	7		-49.40
2	8		-49.40
2	9		-49.40
2	10		-49.40
3	1	49.93	0.32
3	2	49.37	-0.24
3	3	49.44	-0.17
3	4	50.02	0.41
3	5	49.29	-0.32
3	6		-49.61
3	7		-49.61
3	8		-49.61
3	9		-49.61
3	10		-49.61
4	1	49.73	0.23
4	2	49.40	-0.10
4	3	49.23	-0.27
4	4	49.94	0.44
4	5	49.19	-0.31
4	6		-49.50
4	7		-49.50
4	8		-49.50
4	9		-49.50
4	10		-49.50
5	1	50.00	0.60
5	2	49.29	-0.11

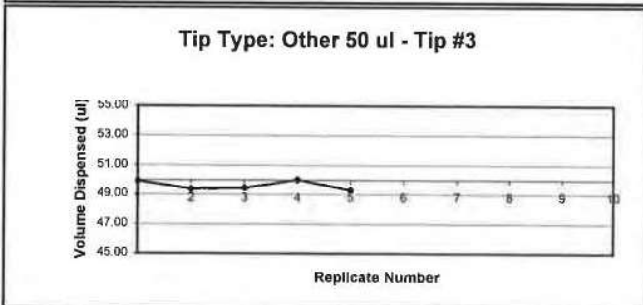
Tip # 1
 Mean 49.65
 Std. Dev. 0.28
 % CV 0.57



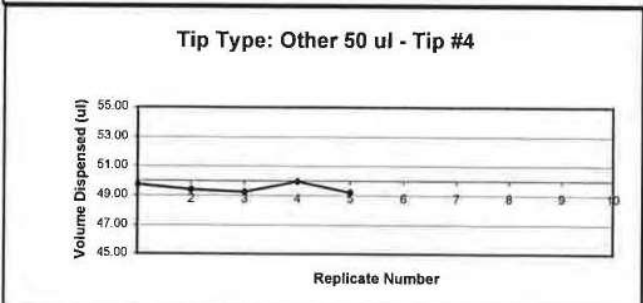
Tip # 2
 Mean 49.40
 Std. Dev. 0.20
 % CV 0.40



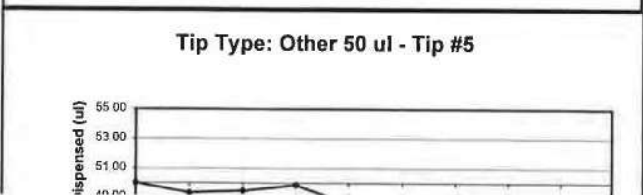
Tip # 3
 Mean 49.61
 Std. Dev. 0.34
 % CV 0.68



Tip # 4
 Mean 49.50
 Std. Dev. 0.33
 % CV 0.66



Tip # 5
 Mean 49.40



5	3	49.43	0.03
5	4	49.83	0.43
5	5	48.47	-0.93
5	6		-49.40
5	7		-49.40
5	8		-49.40
5	9		-49.40
5	10		-49.40
6	1	49.86	0.43
6	2	49.38	-0.05
6	3	49.24	-0.19
6	4	49.62	0.19
6	5	49.06	-0.37
6	6		-49.43
6	7		-49.43
6	8		-49.43
6	9		-49.43
6	10		-49.43
7	1	49.77	0.50
7	2	49.12	-0.15
7	3	49.18	-0.09
7	4	48.89	-0.38
7	5	49.39	0.12
7	6		-49.27
7	7		-49.27
7	8		-49.27
7	9		-49.27
7	10		-49.27
8	1	49.91	0.53
8	2	49.02	-0.36
8	3	49.03	-0.35
8	4	49.67	0.29
8	5	49.29	-0.09
8	6		-49.38
8	7		-49.38
8	8		-49.38
8	9		-49.38
8	10		-49.38

Std. Dev. 0.60
% CV 1.21

Tip # 6

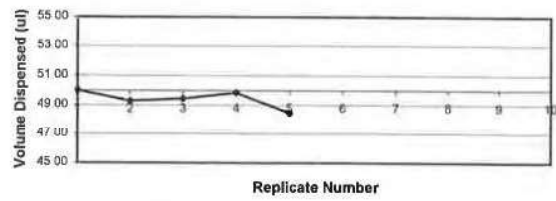
Mean 49.43
Std. Dev. 0.31
% CV 0.64

Tip # 7

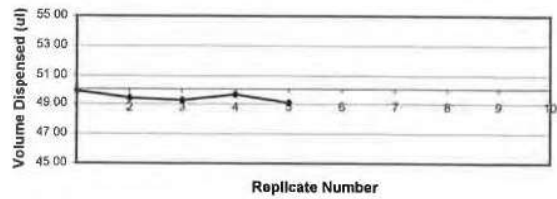
Mean 49.27
Std. Dev. 0.33
% CV 0.67

Tip # 8

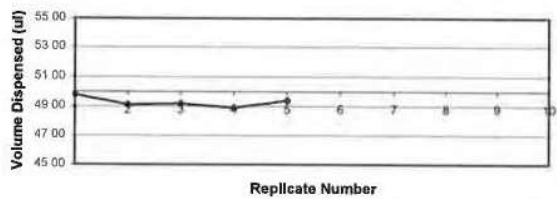
Mean 49.38
Std. Dev. 0.40
% CV 0.80



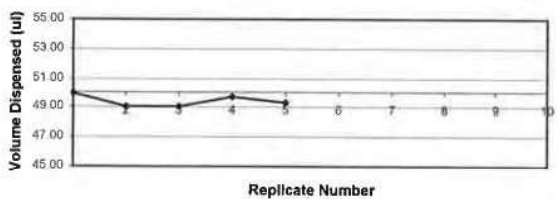
Tip Type: Other 50 ul - Tip #6



Tip Type: Other 50 ul - Tip #7



Tip Type: Other 50 ul - Tip #8



Comment: 175ul Non Conductive Tips WaterBlowout mode (22 C) checked @ 50uL 17072007

Extraction Plat - A
50ul Resin perf.

Balance Test Results

Model: MPlI HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 17/09/07
 Technician: GSL

Tip Type: Other
 Disposable Tip Lot #: 6180383
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.99777
 System Liquid: Nano Pure Water

Across tips	
Mean	49.46
Std. Dev.	0.35
%CV	0.71
% Inaccuracy	1.1

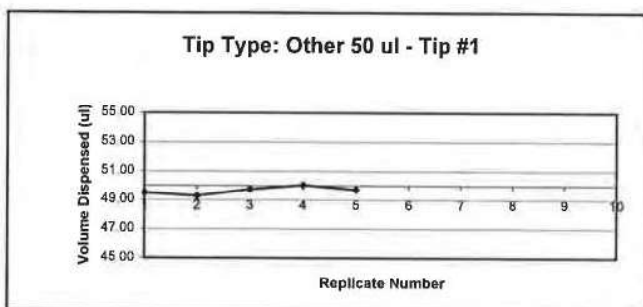
Performance File: WaterBlowout 175ul DT_FW_070907RESIN.prf

Requested Volume (ul): 50

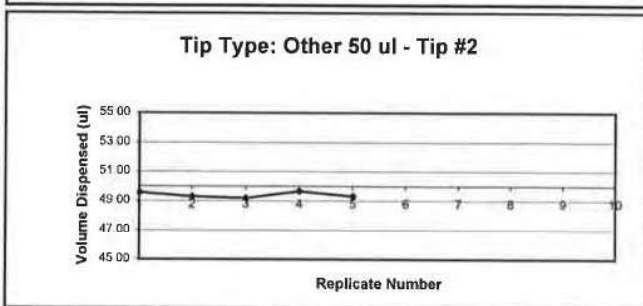
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-50ul-50ul-Run5

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	49.49	-0.16
1	2	49.28	-0.37
1	3	49.72	0.07
1	4	50.04	0.39
1	5	49.71	0.06
1	6		-49.65
1	7		-49.65
1	8		-49.65
1	9		-49.65
1	10		-49.65
2	1	49.57	0.17
2	2	49.29	-0.11
2	3	49.18	-0.22
2	4	49.64	0.24
2	5	49.30	-0.10
2	6		-49.40
2	7		-49.40
2	8		-49.40
2	9		-49.40
2	10		-49.40
3	1	49.93	0.32
3	2	49.37	-0.24
3	3	49.44	-0.17
3	4	50.02	0.41
3	5	49.29	-0.32
3	6		-49.61
3	7		-49.61
3	8		-49.61
3	9		-49.61
3	10		-49.61
4	1	49.73	0.23
4	2	49.40	-0.10
4	3	49.23	-0.27
4	4	49.94	0.44
4	5	49.19	-0.31
4	6		-49.50
4	7		-49.50
4	8		-49.50
4	9		-49.50
4	10		-49.50
5	1	50.00	0.60
5	2	49.29	-0.11

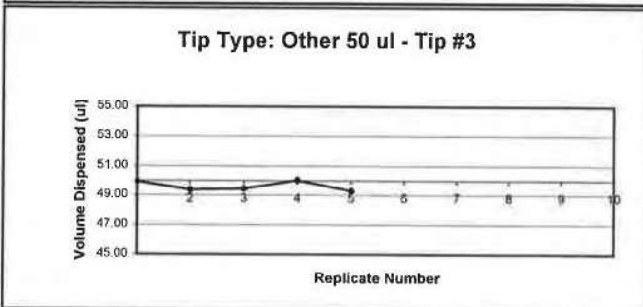
Tip # 1
 Mean 49.65
 Std. Dev. 0.28
 % CV 0.57



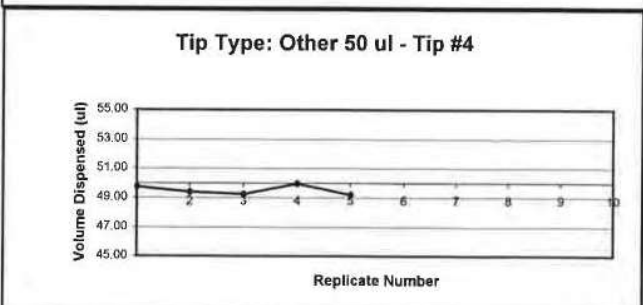
Tip # 2
 Mean 49.40
 Std. Dev. 0.20
 % CV 0.40



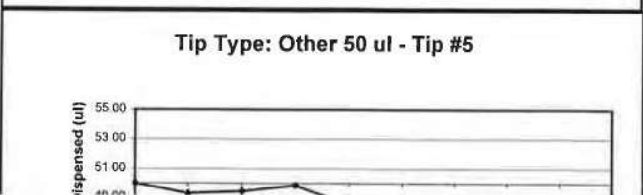
Tip # 3
 Mean 49.61
 Std. Dev. 0.34
 % CV 0.68



Tip # 4
 Mean 49.50
 Std. Dev. 0.33
 % CV 0.66



Tip # 5
 Mean 49.40



5	3	49.43	0.03
5	4	49.83	0.43
5	5	48.47	-0.93
5	6		-49.40
5	7		-49.40
5	8		-49.40
5	9		-49.40
5	10		-49.40
6	1	49.86	0.43
6	2	49.38	-0.05
6	3	49.24	-0.19
6	4	49.62	0.19
6	5	49.06	-0.37
6	6		-49.43
6	7		-49.43
6	8		-49.43
6	9		-49.43
6	10		-49.43
7	1	49.77	0.50
7	2	49.12	-0.15
7	3	49.18	-0.09
7	4	48.89	-0.38
7	5	49.39	0.12
7	6		-49.27
7	7		-49.27
7	8		-49.27
7	9		-49.27
7	10		-49.27
8	1	49.91	0.53
8	2	49.02	-0.36
8	3	49.03	-0.35
8	4	49.67	0.29
8	5	49.29	-0.09
8	6		-49.38
8	7		-49.38
8	8		-49.38
8	9		-49.38
8	10		-49.38

Std. Dev. 0.60
% CV 1.21

Tip # 6

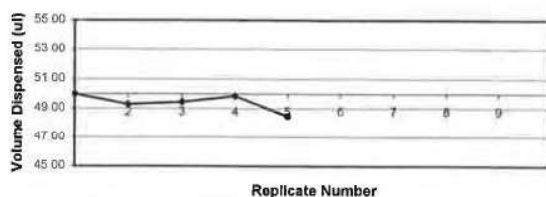
Mean 49.43
Std. Dev. 0.31
% CV 0.64

Tip # 7

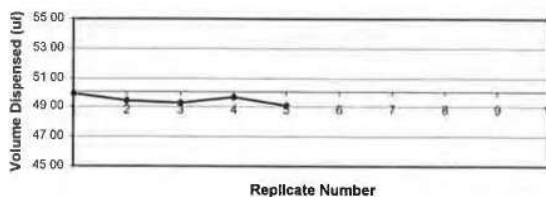
Mean 49.27
Std. Dev. 0.33
% CV 0.67

Tip # 8

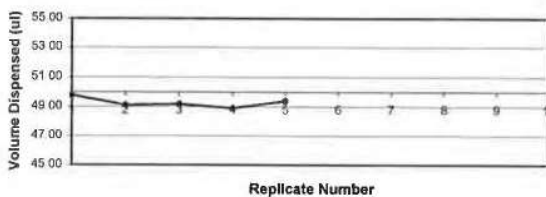
Mean 49.38
Std. Dev. 0.40
% CV 0.80



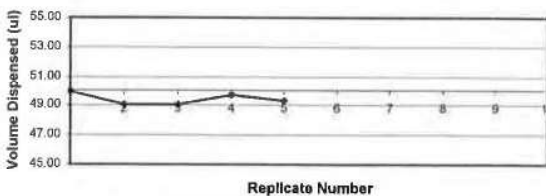
Tip Type: Other 50 ul - Tip #6



Tip Type: Other 50 ul - Tip #7



Tip Type: Other 50 ul - Tip #8



Comment: 175ul Non Conductive Tips WaterBlowout mode (22 C) checked @ 50uL 17072007

17092007BAL-DG1005-50u1-50u1

16
17
18
19
20
21
22
23
24

Across Tips	Run Mean	Run SD	Run %CV	Run %Inacc
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Comment: 175uL Non Conductive tips waterBlowout mode (22 C) checked@ 50uL
17092007

Balance Test Results

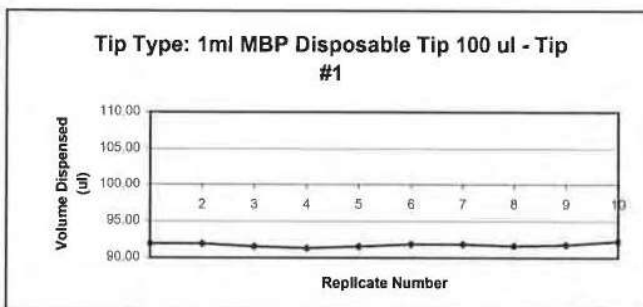
Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/13/07
 Technician: BG
 Performance File: WaterBlowout 1mL DT_QHSS120707.prf
 Requested Volume (ul): 100

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 543404
 Sample Type: Nano Pure
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water
 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-100ul-Run17

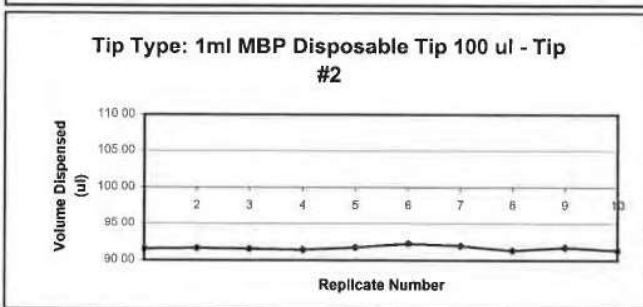
Across tips	
Mean	91.61
Std. Dev.	0.37
%CV	0.40
% Inaccuracy	8.4

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	91.93	0.18
1	2	91.93	0.18
1	3	91.53	-0.22
1	4	91.32	-0.43
1	5	91.53	-0.22
1	6	91.83	0.08
1	7	91.83	0.08
1	8	91.63	-0.12
1	9	91.73	-0.02
1	10	92.23	0.48
2	1	91.53	-0.11
2	2	91.63	-0.01
2	3	91.53	-0.11
2	4	91.43	-0.21
2	5	91.73	0.09
2	6	92.23	0.59
2	7	91.93	0.29
2	8	91.32	-0.32
2	9	91.73	0.09
2	10	91.32	-0.32
3	1	91.83	0.39
3	2	91.43	-0.01
3	3	91.43	-0.01
3	4	91.22	-0.22
3	5	91.53	0.09
3	6	91.53	0.09
3	7	91.63	0.19
3	8	90.92	-0.52
3	9	91.53	0.09
3	10	91.32	-0.12
4	1	92.03	0.15
4	2	91.83	-0.05
4	3	92.03	0.15
4	4	91.83	-0.05
4	5	91.63	-0.25
4	6	92.23	0.35
4	7	91.83	-0.05
4	8	91.93	0.05
4	9	91.83	-0.05
4	10	91.63	-0.25
5	1	91.83	0.11
5	2	91.73	0.01

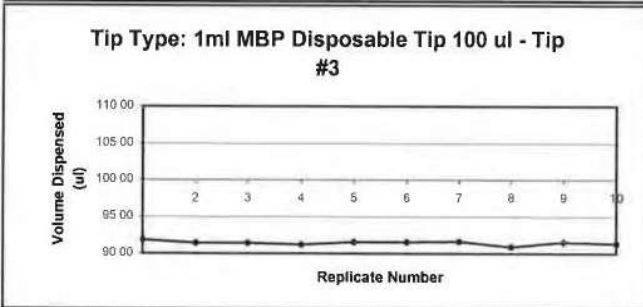
Tip # 1
 Mean 91.75
 Std. Dev. 0.26
 % CV 0.28



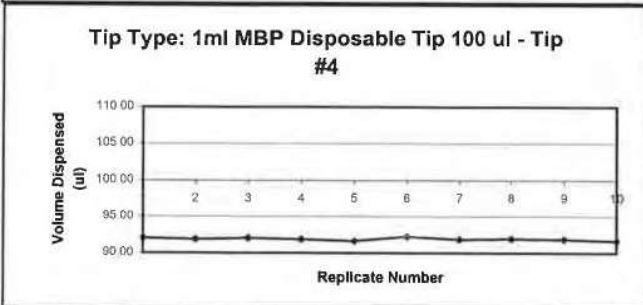
Tip # 2
 Mean 91.64
 Std. Dev. 0.28
 % CV 0.31



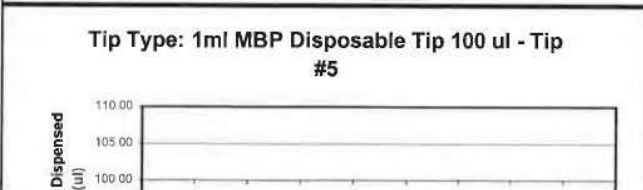
Tip # 3
 Mean 91.44
 Std. Dev. 0.25
 % CV 0.27



Tip # 4
 Mean 91.88
 Std. Dev. 0.18
 % CV 0.20



Tip # 5
 Mean 91.72



5	3	91.73	0.01
5	4	91.93	0.21
5	5	92.03	0.31
5	6	91.73	0.01
5	7	91.32	-0.40
5	8	92.03	0.31
5	9	91.63	-0.09
5	10	91.22	-0.50
6	1	91.93	0.31
6	2	91.63	0.01
6	3	91.53	-0.09
6	4	91.73	0.11
6	5	91.73	0.11
6	6	91.83	0.21
6	7	91.73	0.11
6	8	91.83	0.21
6	9	91.12	-0.50
6	10	91.12	-0.50
7	1	91.43	0.21
7	2	91.73	0.51
7	3	91.83	0.61
7	4	91.22	0.00
7	5	91.32	0.10
7	6	91.53	0.31
7	7	91.02	-0.20
7	8	89.92	-1.30
7	9	91.32	0.10
7	10	90.92	-0.30
8	1	92.23	0.59
8	2	92.03	0.39
8	3	91.63	-0.01
8	4	91.93	0.29
8	5	91.73	0.09
8	6	91.63	-0.01
8	7	91.93	0.29
8	8	91.32	-0.32
8	9	90.82	-0.82
8	10	91.12	-0.52

Std. Dev. 0.27
% CV 0.30

Tip # 6

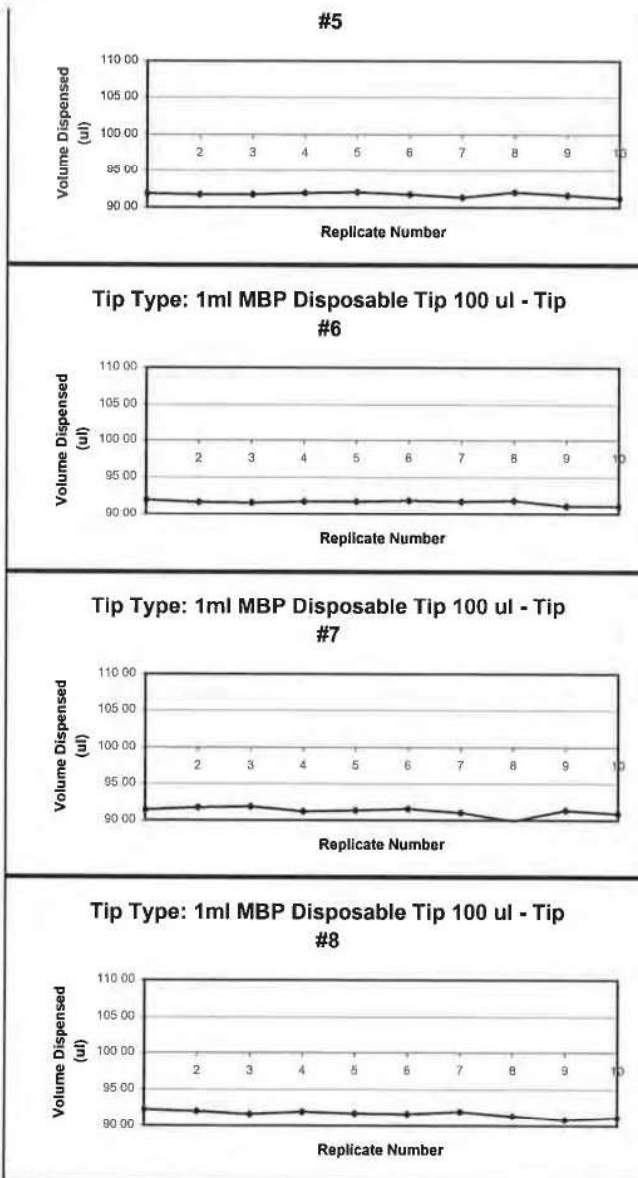
Mean 91.62
Std. Dev. 0.28
% CV 0.31

Tip # 7

Mean 91.22
Std. Dev. 0.54
% CV 0.59

Tip # 8

Mean 91.64
Std. Dev. 0.44
% CV 0.48



Comment: 1mL_WaterBlowout mode (23C) Calibrate@ 100uL 120707newslope1& 0 offset

Balance Test Results

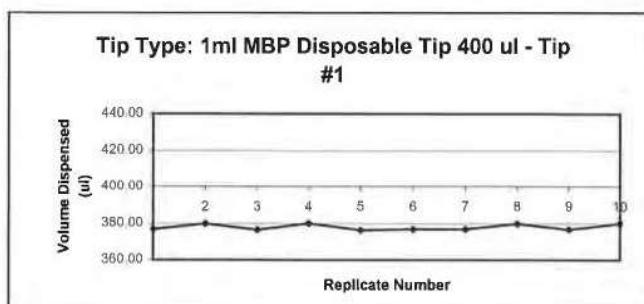
Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/12/07
 Technician: GSL
 Performance File: WaterBlowout 1mL_DT_QHSS120707.prf
 Requested Volume (ul): 400

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 543404
 Sample Type: Distilled Water
 Sample Density (g/ml): 0.997538
 System Liquid: Degassed Distilled Water
 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-400ul-400ul-Run4

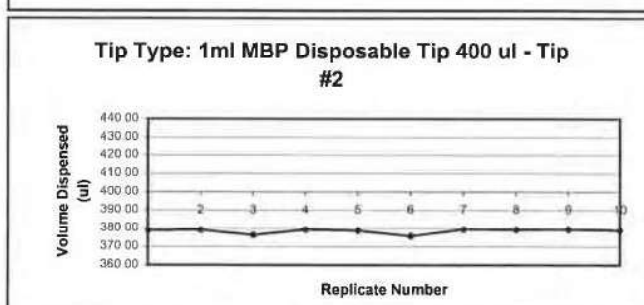
Across tips	
Mean	378.45
Std. Dev.	1.55
%CV	0.41
% Inaccuracy	5.4

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	376.83	-1.05
1	2	379.73	1.85
1	3	376.43	-1.45
1	4	379.84	1.96
1	5	376.33	-1.55
1	6	376.83	-1.05
1	7	376.73	-1.15
1	8	379.73	1.85
1	9	376.53	-1.35
1	10	379.84	1.96
2	1	378.73	0.36
2	2	378.93	0.56
2	3	376.13	-2.24
2	4	379.13	0.76
2	5	378.63	0.26
2	6	375.73	-2.64
2	7	379.23	0.86
2	8	379.03	0.66
2	9	379.33	0.96
2	10	378.83	0.46
3	1	376.53	-1.06
3	2	376.23	-1.36
3	3	379.73	2.14
3	4	379.53	1.94
3	5	376.13	-1.46
3	6	376.63	-0.96
3	7	376.33	-1.26
3	8	376.13	-1.46
3	9	379.23	1.64
3	10	379.43	1.84
4	1	380.14	0.89
4	2	379.43	0.18
4	3	379.23	-0.02
4	4	379.53	0.28
4	5	378.73	-0.52
4	6	379.63	0.38
4	7	379.13	-0.12
4	8	379.03	-0.22
4	9	378.93	-0.32
4	10	378.73	-0.52
5	1	380.14	1.08
5	2	380.34	1.28

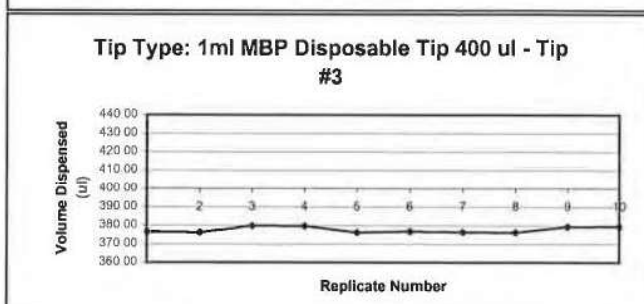
Tip # 1
 Mean 377.88
 Std. Dev. 1.65
 % CV 0.44



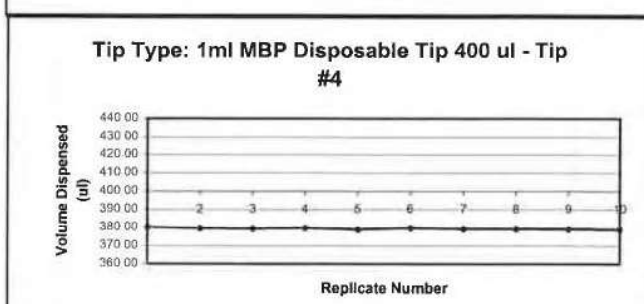
Tip # 2
 Mean 378.37
 Std. Dev. 1.31
 % CV 0.35



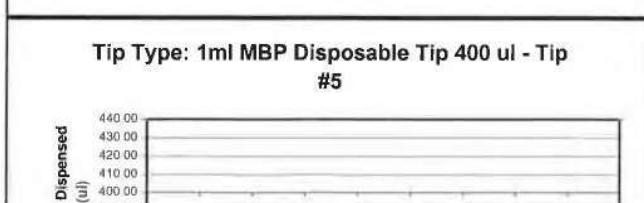
Tip # 3
 Mean 377.59
 Std. Dev. 1.64
 % CV 0.43



Tip # 4
 Mean 379.25
 Std. Dev. 0.44
 % CV 0.12



Tip # 5
 Mean 379.06



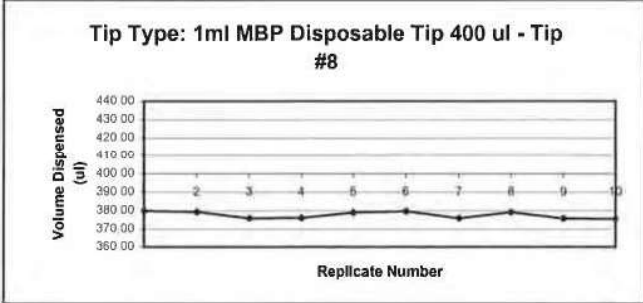
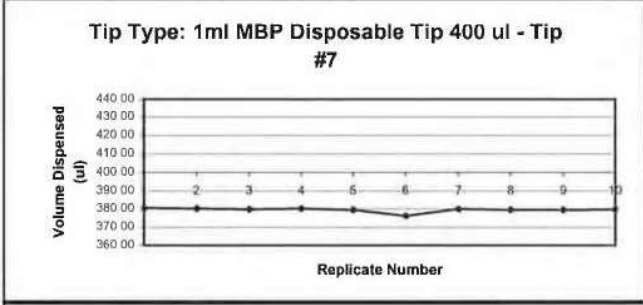
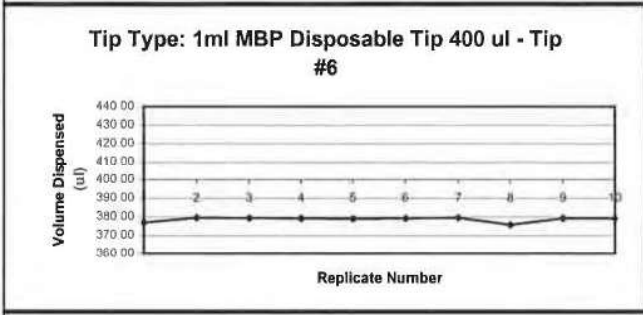
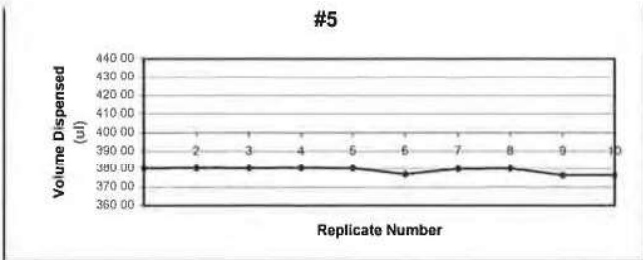
5	3	380.14	1.08
5	4	380.24	1.18
5	5	380.14	1.08
5	6	376.93	-2.13
5	7	379.84	0.78
5	8	379.94	0.88
5	9	376.43	-2.63
5	10	376.43	-2.63
6	1	376.83	-1.78
6	2	379.43	0.82
6	3	379.23	0.62
6	4	379.13	0.52
6	5	378.93	0.32
6	6	379.13	0.52
6	7	379.43	0.82
6	8	375.73	-2.88
6	9	379.13	0.52
6	10	379.13	0.52
7	1	380.34	1.04
7	2	380.04	0.74
7	3	379.53	0.23
7	4	380.04	0.74
7	5	379.33	0.03
7	6	376.03	-3.27
7	7	379.73	0.43
7	8	379.33	0.03
7	9	379.23	-0.07
7	10	379.43	0.13
8	1	379.73	2.20
8	2	379.23	1.70
8	3	375.83	-1.70
8	4	375.93	-1.60
8	5	378.93	1.40
8	6	379.63	2.10
8	7	375.83	-1.70
8	8	379.13	1.60
8	9	375.62	-1.91
8	10	375.42	-2.11

Std. Dev. 1.71
% CV 0.45

Tip # 6
Mean 378.61
Std. Dev. 1.26
% CV 0.33

Tip # 7
Mean 379.30
Std. Dev. 1.21
% CV 0.32

Tip # 8
Mean 377.53
Std. Dev. 1.92
% CV 0.51



Comment: 1mL_WaterBlowout mode (23C) Calibrate@ 400uL 120707newslope1& 0 offset

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/12/07
 Technician: GSL

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 53404
 Sample Type: Distilled Water
 Sample Density (g/ml): 0.997538
 System Liquid: Degassed Distilled Water

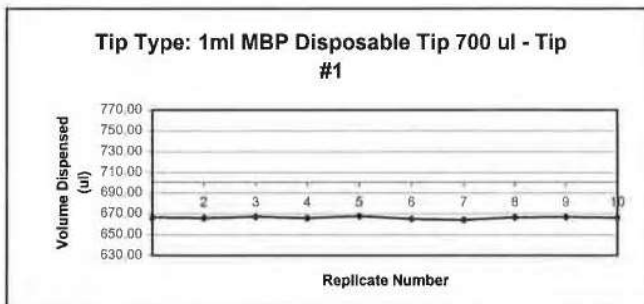
Across tips	
Mean	665.33
Std. Dev.	1.60
%CV	0.24
% Inaccuracy	5.0

Performance File: WaterBlowout 1mL_DT_QHSS120707.prf
 Requested Volume (ul): 700

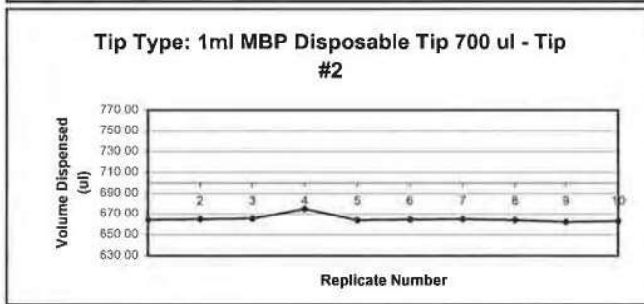
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-700ul-700ul-Run4

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	666.50	0.41
1	2	665.89	-0.20
1	3	666.99	0.90
1	4	665.82	-0.27
1	5	667.47	1.38
1	6	664.88	-1.21
1	7	664.07	-2.02
1	8	666.42	0.33
1	9	666.73	0.64
1	10	666.13	0.04
2	1	664.06	-0.93
2	2	664.74	-0.25
2	3	665.18	0.19
2	4	674.82	9.83
2	5	663.78	-1.21
2	6	664.22	-0.77
2	7	664.49	-0.50
2	8	663.85	-1.14
2	9	661.85	-3.14
2	10	662.94	-2.05
3	1	665.90	0.24
3	2	666.35	0.69
3	3	665.99	0.33
3	4	664.45	-1.21
3	5	666.02	0.36
3	6	667.59	1.93
3	7	666.57	0.91
3	8	665.93	0.27
3	9	664.02	-1.64
3	10	663.82	-1.84
4	1	664.87	0.32
4	2	664.35	-0.20
4	3	663.93	-0.62
4	4	665.06	0.51
4	5	665.17	0.62
4	6	664.98	0.43
4	7	663.81	-0.74
4	8	664.32	-0.23
4	9	664.80	0.25
4	10	664.25	-0.30
5	1	667.70	1.67
5	2	665.95	-0.08

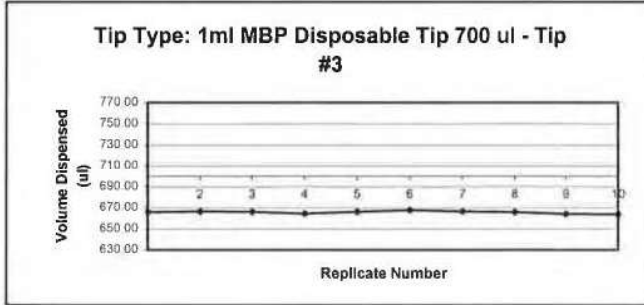
Tip # 1
 Mean 666.09
 Std. Dev. 1.00
 % CV 0.15



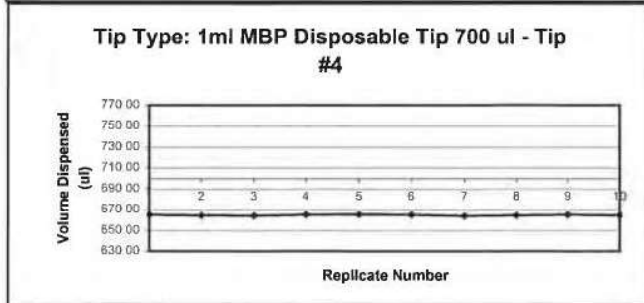
Tip # 2
 Mean 664.99
 Std. Dev. 3.58
 % CV 0.54



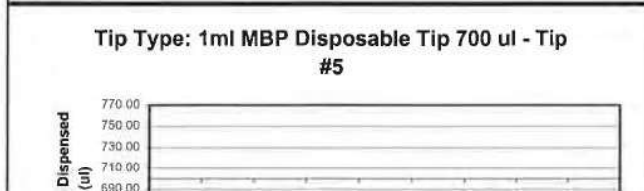
Tip # 3
 Mean 665.66
 Std. Dev. 1.20
 % CV 0.18



Tip # 4
 Mean 664.55
 Std. Dev. 0.48
 % CV 0.07



Tip # 5
 Mean 666.03



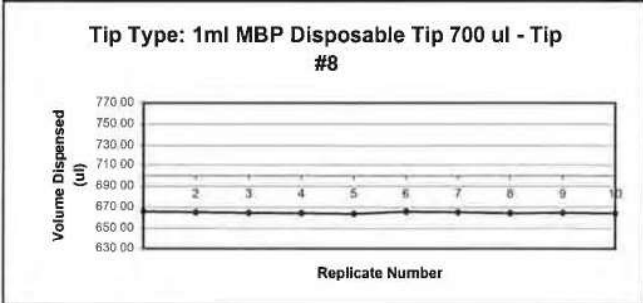
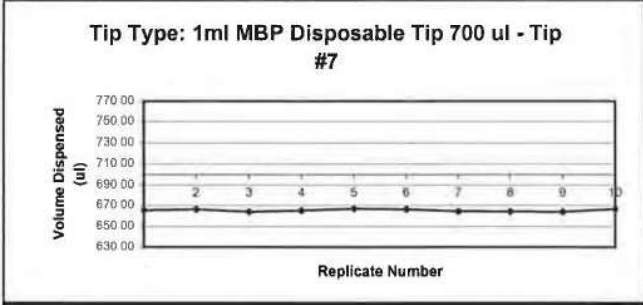
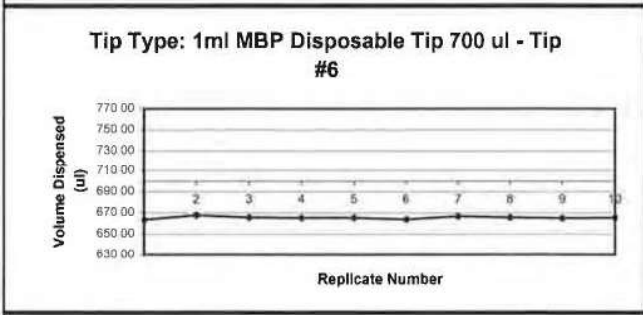
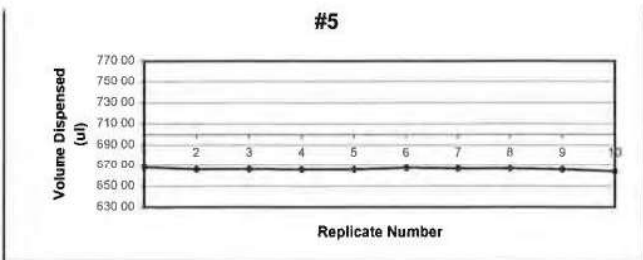
5	3	665.86	-0.17
5	4	665.61	-0.42
5	5	665.57	-0.46
5	6	667.14	1.11
5	7	666.44	0.41
5	8	666.54	0.51
5	9	665.64	-0.39
5	10	663.83	-2.20
6	1	663.51	-1.82
6	2	667.68	2.35
6	3	665.56	0.23
6	4	665.27	-0.06
6	5	665.32	-0.01
6	6	663.63	-1.70
6	7	666.64	1.31
6	8	665.44	0.11
6	9	665.04	-0.29
6	10	665.24	-0.09
7	1	665.14	0.00
7	2	666.03	0.89
7	3	663.70	-1.44
7	4	664.98	-0.16
7	5	666.85	1.71
7	6	666.04	0.90
7	7	664.34	-0.80
7	8	664.03	-1.11
7	9	663.73	-1.41
7	10	666.54	1.40
8	1	665.84	1.03
8	2	665.11	0.30
8	3	664.49	-0.32
8	4	664.30	-0.51
8	5	663.83	-0.98
8	6	665.84	1.03
8	7	665.34	0.53
8	8	664.24	-0.57
8	9	664.64	-0.17
8	10	664.44	-0.37

Std. Dev. 1.05
% CV 0.16

Tip # 6
Mean 665.33
Std. Dev. 1.23
% CV 0.18

Tip # 7
Mean 665.14
Std. Dev. 1.18
% CV 0.18

Tip # 8
Mean 664.81
Std. Dev. 0.69
% CV 0.10



Comment: 1mL_WaterBlowout mode (23C) Calibrate@ 700uL 120707newslope1& 0 offset

Reference
Gary W. White

Balance Test Results

Model: MPIO HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 07/12/07
Technician: GSL

Tip Type: 1ml MBP Disposable Tip
Disposable Tip Lot #: 543404
Sample Type: Distilled Water
Sample Density (g/ml): 0.997538
System Liquid: Degassed Distilled Water

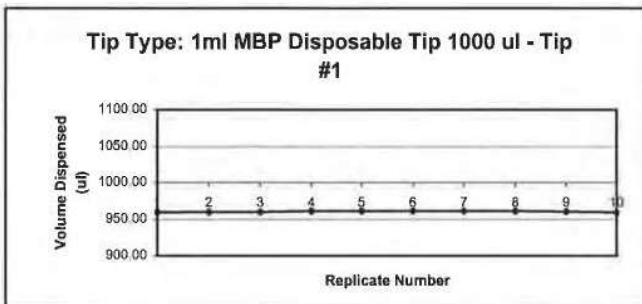
Across tips	
Mean	958.27
Std. Dev.	2.19
%CV	0.23
% Inaccuracy	4.2

Performance File: WaterBlowout 1mL DT_QHSS120707.prf
Requested Volume (ul): 1000

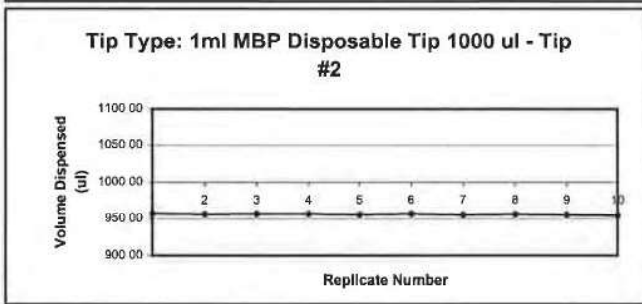
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-1000ul-Run19

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	959.20	-1.19
1	2	959.85	-0.54
1	3	959.79	-0.60
1	4	961.00	0.61
1	5	961.11	0.72
1	6	961.03	0.64
1	7	960.93	0.54
1	8	961.11	0.72
1	9	960.38	-0.01
1	10	959.50	-0.89
2	1	956.85	1.03
2	2	956.01	0.19
2	3	956.55	0.73
2	4	956.37	0.55
2	5	955.65	-0.17
2	6	956.40	0.58
2	7	955.15	-0.67
2	8	955.74	-0.08
2	9	955.16	-0.66
2	10	954.36	-1.46
3	1	959.82	0.65
3	2	959.56	0.39
3	3	959.99	0.82
3	4	959.22	0.05
3	5	959.57	0.40
3	6	959.15	-0.02
3	7	959.00	-0.17
3	8	958.76	-0.41
3	9	958.04	-1.13
3	10	958.57	-0.60
4	1	957.67	0.45
4	2	958.78	1.56
4	3	957.49	0.27
4	4	957.77	0.55
4	5	958.24	1.02
4	6	957.29	0.07
4	7	957.08	-0.14
4	8	955.60	-1.62
4	9	956.17	-1.05
4	10	956.09	-1.13
5	1	962.92	1.94
5	2	961.30	0.32

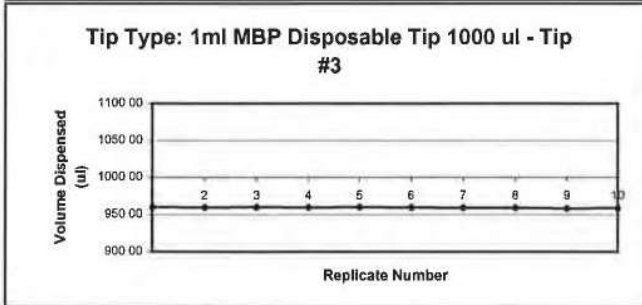
Tip # 1
Mean 960.39
Std. Dev. 0.74
% CV 0.08



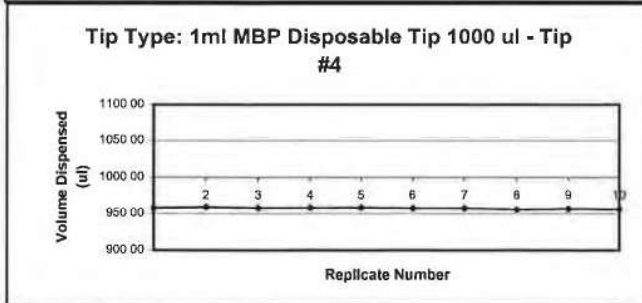
Tip # 2
Mean 955.82
Std. Dev. 0.77
% CV 0.08



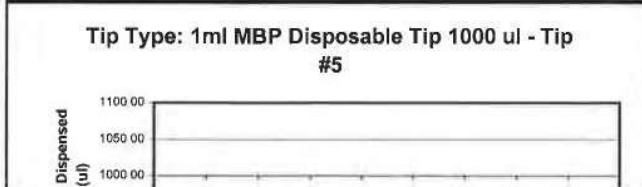
Tip # 3
Mean 959.17
Std. Dev. 0.60
% CV 0.06



Tip # 4
Mean 957.22
Std. Dev. 1.00
% CV 0.10



Tip # 5
Mean 960.98



5	3	961.94	0.97
5	4	962.61	1.63
5	5	961.28	0.30
5	6	960.91	-0.07
5	7	959.77	-1.21
5	8	960.23	-0.75
5	9	959.61	-1.37
5	10	959.18	-1.80
6	1	960.22	2.38
6	2	958.55	0.71
6	3	958.42	0.58
6	4	958.26	0.42
6	5	957.93	0.09
6	6	956.26	-1.58
6	7	956.44	-1.40
6	8	958.29	0.45
6	9	956.34	-1.50
6	10	957.71	-0.13
7	1	960.63	1.20
7	2	960.36	0.93
7	3	959.55	0.12
7	4	959.27	-0.16
7	5	959.26	-0.17
7	6	958.59	-0.84
7	7	957.78	-1.65
7	8	957.78	-1.65
7	9	958.10	-1.33
7	10	962.96	3.53
8	1	954.21	-1.13
8	2	957.21	1.87
8	3	954.84	-0.50
8	4	955.75	0.41
8	5	956.02	0.68
8	6	954.98	-0.36
8	7	955.75	0.41
8	8	954.56	-0.78
8	9	955.19	-0.15
8	10	954.93	-0.41

Std. Dev. 1.28
% CV 0.13

Tip # 6

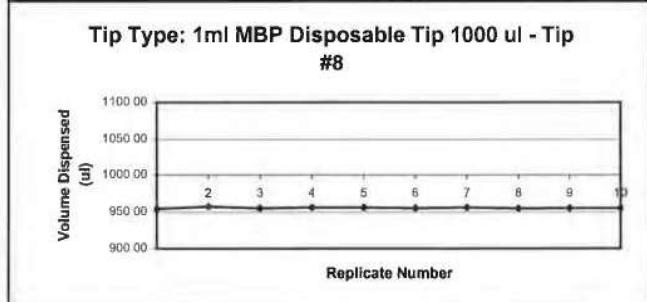
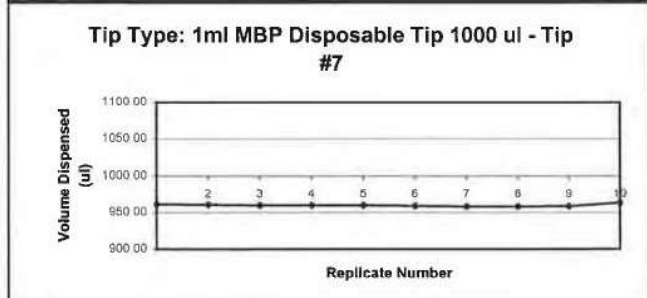
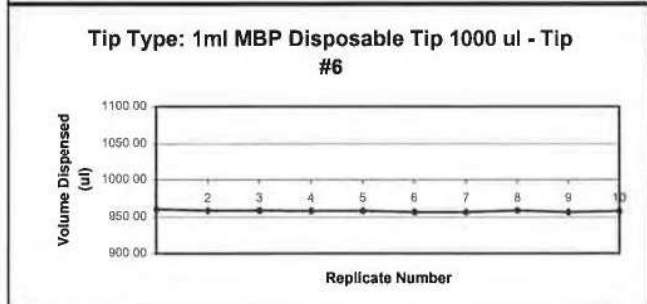
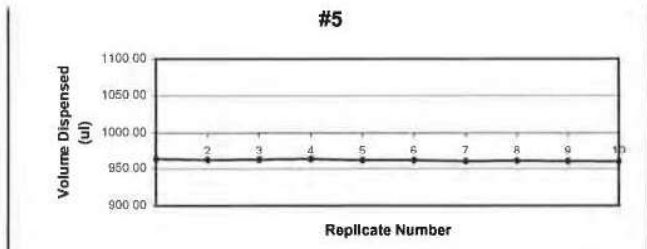
Mean 957.84
Std. Dev. 1.23
% CV 0.13

Tip # 7

Mean 959.43
Std. Dev. 1.59
% CV 0.17

Tip # 8

Mean 955.34
Std. Dev. 0.87
% CV 0.09

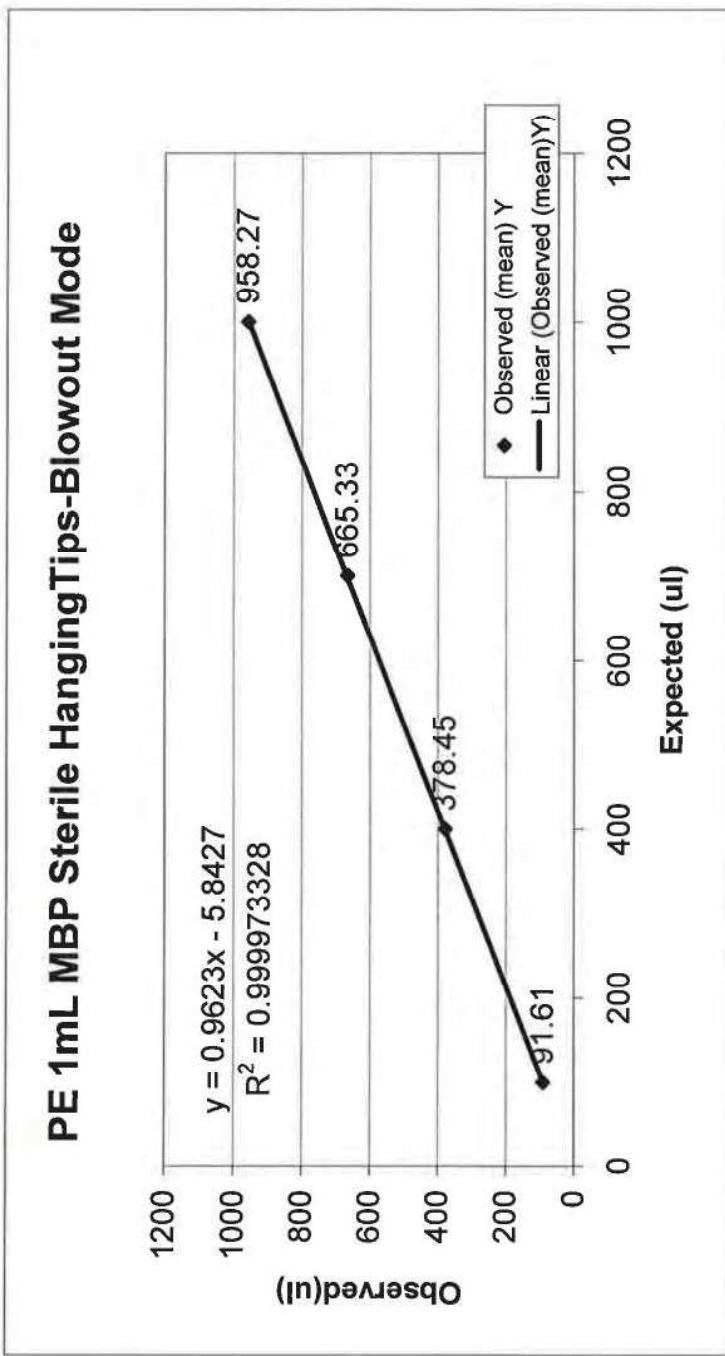


Comment: 1mL_WaterBlowout mode (23C) Calibrate@ 1000uL 120707newslope1& 0 offset

Gravimetric Assessment REF Extraction 1 mL MBP disposable tips - BLOWOUT mode

Expected X	Observed (mean) Y
1000	958.27
700	665.33
400	378.45
100	91.61

Slope 0.962286667
 Offset -5.842666667
 R2 0.999973328



Gravimetric Assessment REF Extraction 1 mL MBP disposable tips - BLOWOUT mode (13/07/07)

Ref low 100ul

Colib check

Balance Test Results

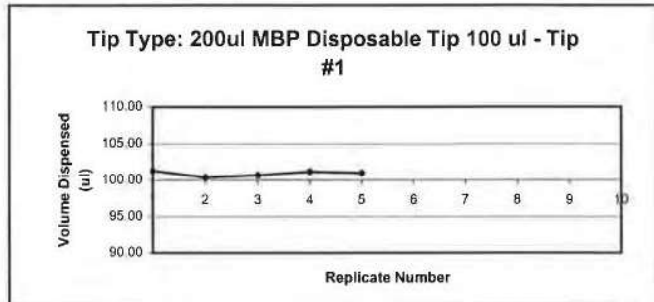
Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/13/07
 Technician: BG
 Performance File: WaterBlowout 1 ml DT_QHSS new slope & offset 13072007.prf
 Requested Volume (ul): 100

Tip Type: 200ul MBP Disposable Tip
 Disposable Tip Lot #: 543404
 Sample Type: Nano Pure
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water
 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-100ul-Run18

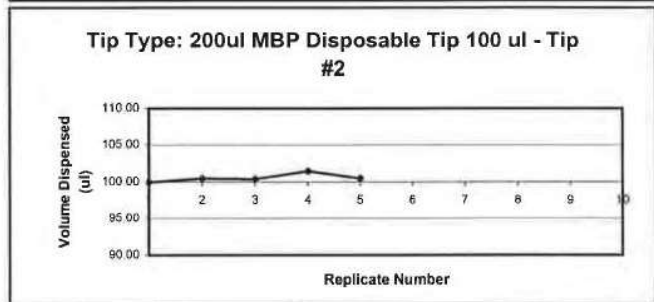
Across tips	
Mean	100.87
Std. Dev.	0.45
%CV	0.44
% Inaccuracy	0.9

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	101.25	0.38
1	2	100.35	-0.52
1	3	100.65	-0.22
1	4	101.15	0.28
1	5	100.95	0.08
1	6		-100.87
1	7		-100.87
1	8		-100.87
1	9		-100.87
1	10		-100.87
2	1	99.95	-0.58
2	2	100.45	-0.08
2	3	100.35	-0.18
2	4	101.45	0.92
2	5	100.45	-0.08
2	6		-100.53
2	7		-100.53
2	8		-100.53
2	9		-100.53
2	10		-100.53
3	1	100.65	-0.12
3	2	100.75	-0.02
3	3	100.75	-0.02
3	4	100.95	0.18
3	5	100.75	-0.02
3	6		-100.77
3	7		-100.77
3	8		-100.77
3	9		-100.77
3	10		-100.77
4	1	101.05	0.00
4	2	101.05	0.00
4	3	100.85	-0.20
4	4	101.35	0.30
4	5	100.95	-0.10
4	6		-101.05
4	7		-101.05
4	8		-101.05
4	9		-101.05
4	10		-101.05
5	1	101.55	0.30
5	2	101.05	-0.20

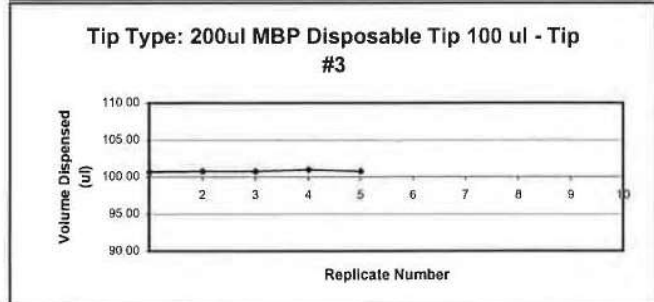
Tip # 1
 Mean 100.87
 Std. Dev. 0.37
 % CV 0.37



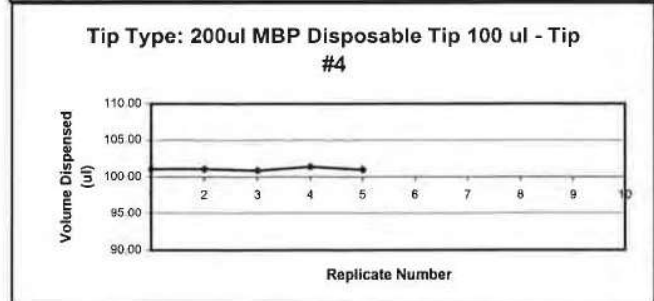
Tip # 2
 Mean 100.53
 Std. Dev. 0.55
 % CV 0.55



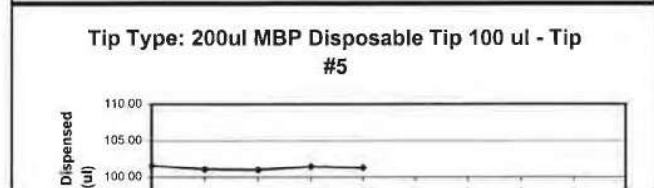
Tip # 3
 Mean 100.77
 Std. Dev. 0.11
 % CV 0.11



Tip # 4
 Mean 101.05
 Std. Dev. 0.19
 % CV 0.19



Tip # 5
 Mean 101.25



5	3	100.95	-0.30
5	4	101.45	0.20
5	5	101.25	0.00
5	6		-101.25
5	7		-101.25
5	8		-101.25
5	9		-101.25
5	10		-101.25
6	1	101.15	-0.04
6	2	101.05	-0.14
6	3	101.15	-0.04
6	4	101.45	0.26
6	5	101.15	-0.04
6	6		-101.19
6	7		-101.19
6	8		-101.19
6	9		-101.19
6	10		-101.19
7	1	99.85	-0.52
7	2	101.05	0.68
7	3	99.44	-0.93
7	4	100.85	0.48
7	5	100.65	0.28
7	6		-100.37
7	7		-100.37
7	8		-100.37
7	9		-100.37
7	10		-100.37
8	1	101.15	0.18
8	2	100.65	-0.32
8	3	100.85	-0.12
8	4	100.95	-0.02
8	5	101.25	0.28
8	6		-100.97
8	7		-100.97
8	8		-100.97
8	9		-100.97
8	10		-100.97

Std. Dev. 0.25
% CV 0.25

Tip # 6

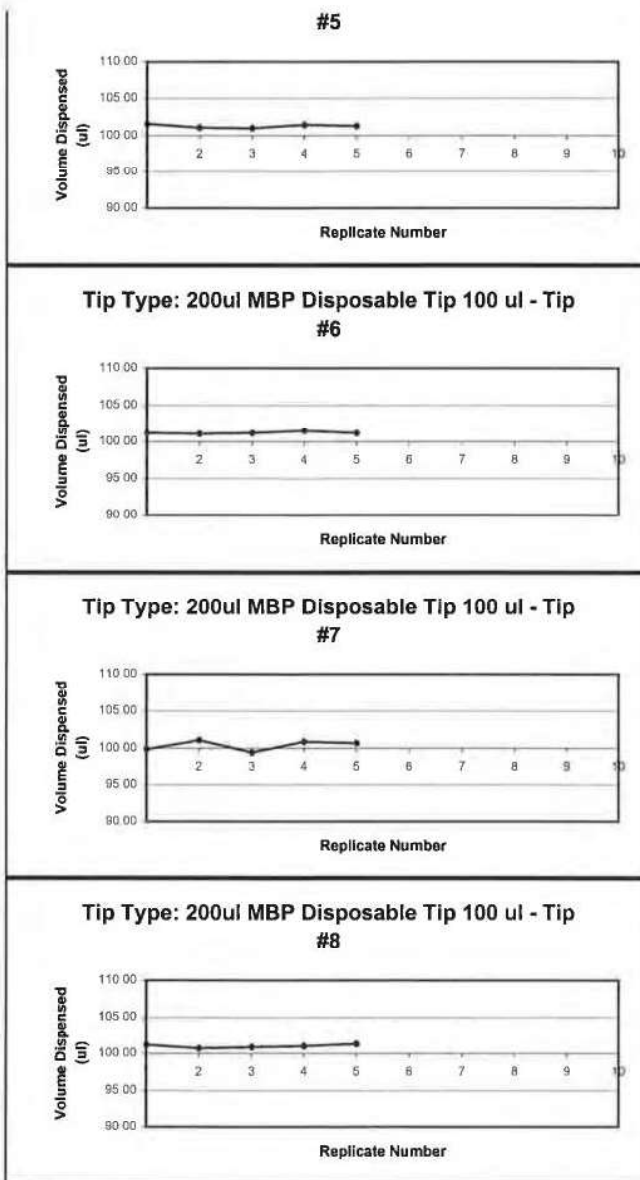
Mean 101.19
Std. Dev. 0.15
% CV 0.15

Tip # 7

Mean 100.37
Std. Dev. 0.69
% CV 0.69

Tip # 8

Mean 100.97
Std. Dev. 0.24
% CV 0.24



Comment: 1mL_WaterBlowout mode (23C) new slope & offset low - 100uL 13072007

Rep - High 1000ul

Balance Test Results

Model: MP11 HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/13/07
 Technician: BG

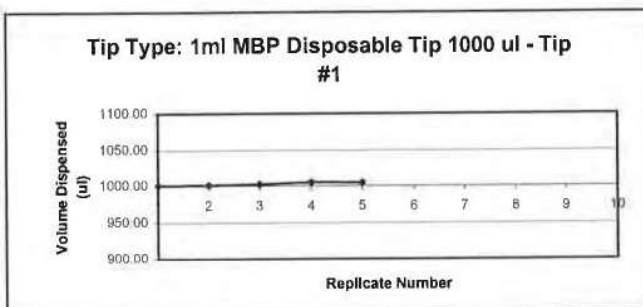
Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 543404
 Sample Type: Nano Pure
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

Across tips	
Mean	1000.73
Std. Dev.	2.66
%CV	0.27
% Inaccuracy	0.1

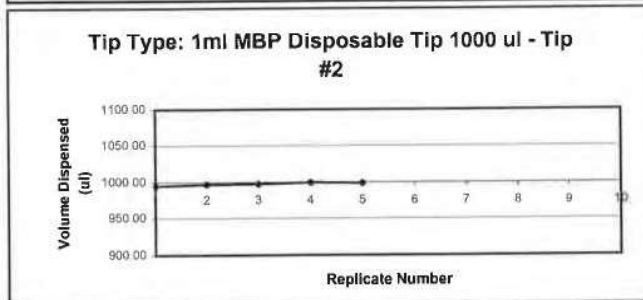
Performance File: WaterBlowout 1 ml DT_QHSS new slope & offset 13072007.prf
 Requested Volume (ul): 1000 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-1000ul-Run20

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	1000.46	-2.13
1	2	1001.06	-1.53
1	3	1002.27	-0.32
1	4	1004.77	2.18
1	5	1004.37	1.78
1	6		-1002.59
1	7		-1002.59
1	8		-1002.59
1	9		-1002.59
1	10		-1002.59
2	1	994.75	-2.63
2	2	996.95	-0.43
2	3	997.26	-0.12
2	4	999.26	1.88
2	5	998.66	1.28
2	6		-997.38
2	7		-997.38
2	8		-997.38
2	9		-997.38
2	10		-997.38
3	1	1000.56	-0.93
3	2	1000.26	-1.23
3	3	1001.67	0.18
3	4	1002.87	1.38
3	5	1002.07	0.58
3	6		-1001.49
3	7		-1001.49
3	8		-1001.49
3	9		-1001.49
3	10		-1001.49
4	1	997.76	-1.12
4	2	998.66	-0.22
4	3	997.76	-1.12
4	4	999.86	0.98
4	5	1000.36	1.48
4	6		-998.88
4	7		-998.88
4	8		-998.88
4	9		-998.88
4	10		-998.88
5	1	1002.37	-0.90
5	2	1001.97	-1.30

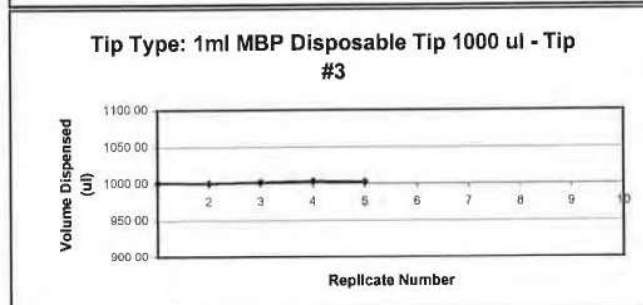
Tip # 1
 Mean 1002.59
 Std. Dev. 1.93
 % CV 0.19



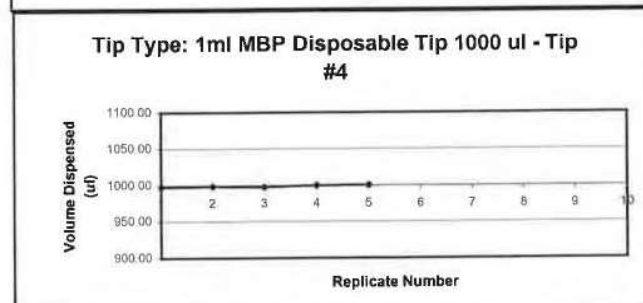
Tip # 2
 Mean 997.38
 Std. Dev. 1.75
 % CV 0.18



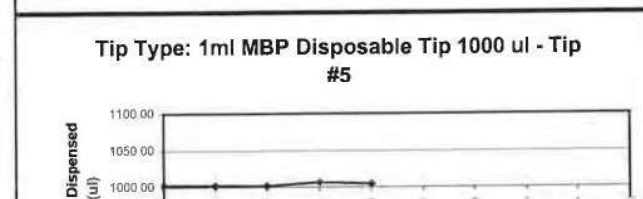
Tip # 3
 Mean 1001.49
 Std. Dev. 1.08
 % CV 0.11



Tip # 4
 Mean 998.88
 Std. Dev. 1.19
 % CV 0.12



Tip # 5
 Mean 1003.27



5	3	1001.67	-1.60
5	4	1006.18	2.91
5	5	1004.17	0.90
5	6		-1003.27
5	7		-1003.27
5	8		-1003.27
5	9		-1003.27
5	10		-1003.27
6	1	998.26	-2.34
6	2	1001.77	1.17
6	3	1000.56	-0.04
6	4	1001.37	0.77
6	5	1001.06	0.46
6	6		-1000.60
6	7		-1000.60
6	8		-1000.60
6	9		-1000.60
6	10		-1000.60
7	1	1006.58	3.27
7	2	1003.77	0.46
7	3	1002.27	-1.04
7	4	1001.97	-1.34
7	5	1001.97	-1.34
7	6		-1003.31
7	7		-1003.31
7	8		-1003.31
7	9		-1003.31
7	10		-1003.31
8	1	997.86	-0.44
8	2	999.66	1.36
8	3	1000.06	1.76
8	4	995.85	-2.45
8	5	998.06	-0.24
8	6		-998.30
8	7		-998.30
8	8		-998.30
8	9		-998.30
8	10		-998.30

Std. Dev. 1.89
% CV 0.19

Tip # 6

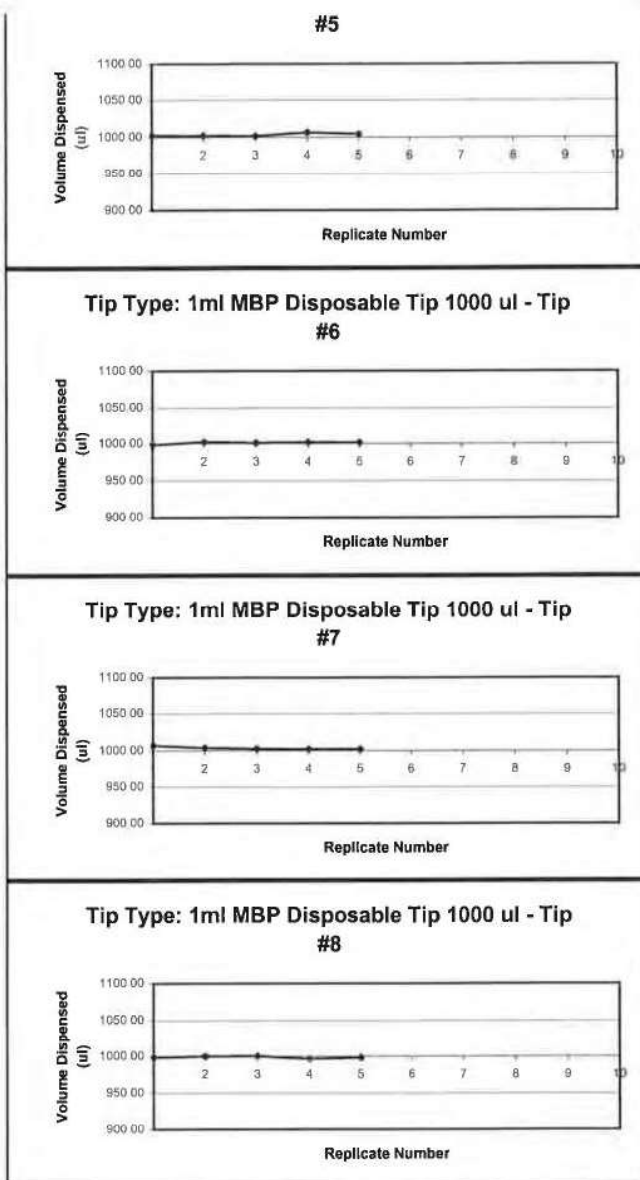
Mean 1000.60
Std. Dev. 1.38
% CV 0.14

Tip # 7

Mean 1003.31
Std. Dev. 1.97
% CV 0.20

Tip # 8

Mean 998.30
Std. Dev. 1.67
% CV 0.17



Comment: 1mL_WaterBlowout mode (23C) new slope & offset high - 1000uL 13072007

Balance Test Results

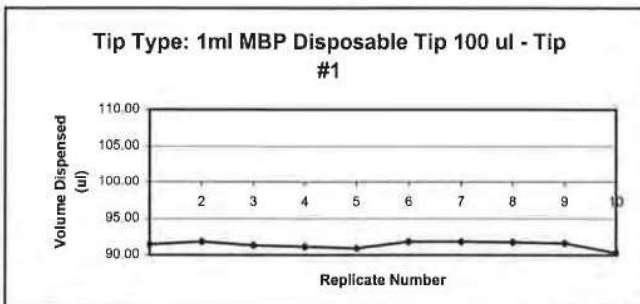
Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/16/07
 Technician: BG
 Performance File: WaterWaste 1ml DT_FW QHSS 130707.prf
 Requested Volume (ul): 100

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 543404
 Sample Type: Nano Pure
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water
 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-100ul-Run19

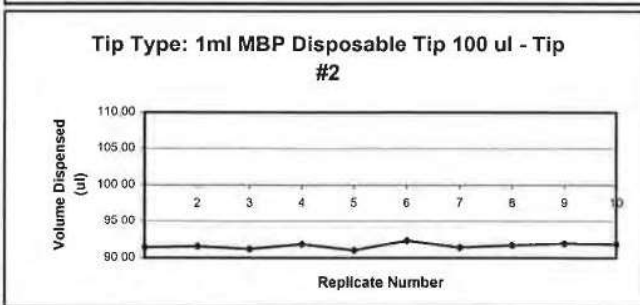
Across tips	
Mean	91.57
Std. Dev.	0.53
%CV	0.58
% Inaccuracy	8.4

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	91.43	0.03
1	2	91.83	0.43
1	3	91.32	-0.08
1	4	91.12	-0.28
1	5	90.92	-0.48
1	6	91.83	0.43
1	7	91.83	0.43
1	8	91.73	0.33
1	9	91.63	0.23
1	10	90.32	-1.08
2	1	91.43	-0.20
2	2	91.53	-0.10
2	3	91.22	-0.41
2	4	91.83	0.20
2	5	91.02	-0.61
2	6	92.33	0.70
2	7	91.43	-0.20
2	8	91.73	0.10
2	9	91.93	0.30
2	10	91.83	0.20
3	1	91.53	-0.10
3	2	91.63	0.00
3	3	91.53	-0.10
3	4	91.43	-0.20
3	5	91.63	0.00
3	6	91.93	0.30
3	7	91.73	0.10
3	8	91.73	0.10
3	9	91.53	-0.10
3	10	91.63	0.00
4	1	92.33	0.63
4	2	91.83	0.13
4	3	91.73	0.03
4	4	91.73	0.03
4	5	91.53	-0.17
4	6	92.33	0.63
4	7	91.93	0.23
4	8	91.02	-0.68
4	9	91.93	0.23
4	10	90.62	-1.08
5	1	92.03	0.11
5	2	91.63	-0.29

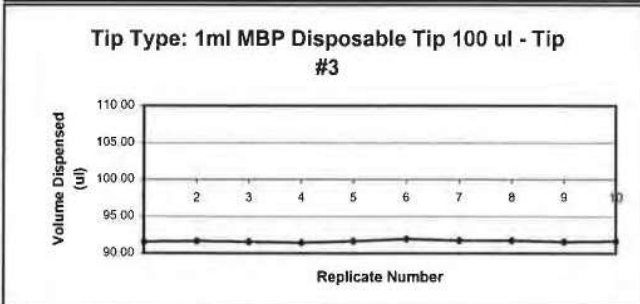
Tip # 1
 Mean 91.40
 Std. Dev. 0.49
 % CV 0.54



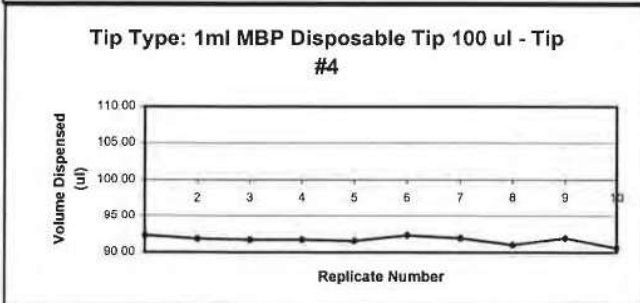
Tip # 2
 Mean 91.63
 Std. Dev. 0.38
 % CV 0.41



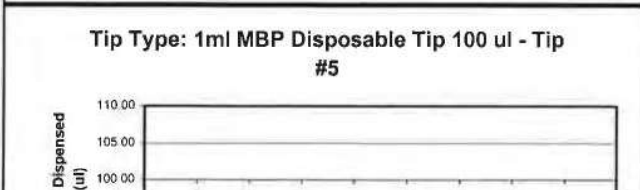
Tip # 3
 Mean 91.63
 Std. Dev. 0.14
 % CV 0.15



Tip # 4
 Mean 91.70
 Std. Dev. 0.53
 % CV 0.58



Tip # 5
 Mean 91.92



5	3	92.13	0.21
5	4	91.83	-0.09
5	5	91.73	-0.19
5	6	91.93	0.01
5	7	92.03	0.11
5	8	91.73	-0.19
5	9	92.03	0.11
5	10	92.13	0.21
6	1	92.03	0.49
6	2	91.93	0.39
6	3	91.83	0.29
6	4	91.53	-0.01
6	5	89.12	-2.42
6	6	91.83	0.29
6	7	91.83	0.29
6	8	91.73	0.19
6	9	91.93	0.39
6	10	91.63	0.09
7	1	92.03	0.81
7	2	91.02	-0.20
7	3	90.12	-1.10
7	4	91.63	0.41
7	5	90.32	-0.90
7	6	91.63	0.41
7	7	90.22	-1.00
7	8	91.43	0.21
7	9	92.13	0.91
7	10	91.63	0.41
8	1	92.23	0.66
8	2	91.63	0.06
8	3	91.73	0.16
8	4	91.22	-0.35
8	5	91.63	0.06
8	6	90.82	-0.75
8	7	91.53	-0.04
8	8	91.83	0.26
8	9	91.63	0.06
8	10	91.43	-0.14

Std. Dev. 0.18
% CV 0.19

Tip # 6

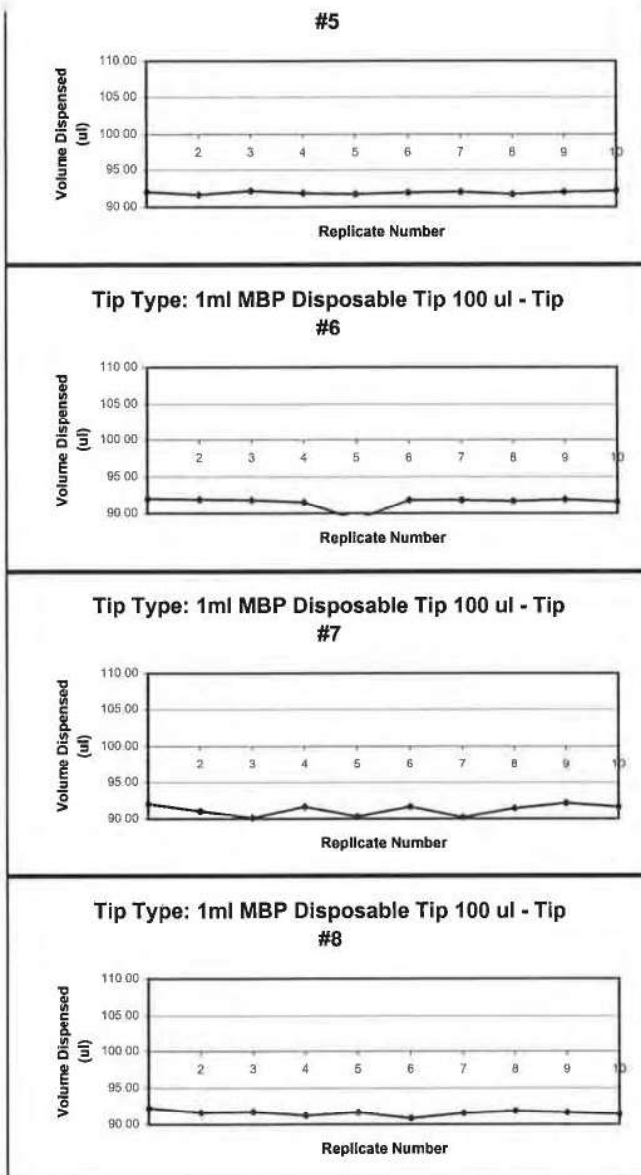
Mean 91.54
Std. Dev. 0.86
% CV 0.94

Tip # 7

Mean 91.22
Std. Dev. 0.75
% CV 0.82

Tip # 8

Mean 91.57
Std. Dev. 0.37
% CV 0.41



Comment: 1mL_WaterWaste mode (23C) slope=1 & offset=0 calibration @ 100uL 16072007

Balance Test Results

Model: MP11 HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/16/07
 Technician: BG

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 543404
 Sample Type: Nano Pure
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

Across tips	
Mean	378.89
Std. Dev.	1.39
%CV	0.37
% Inaccuracy	5.3

Performance File: WaterWaste 1ml DT_FW QHSS 130707.prf
 Requested Volume (ul): 400

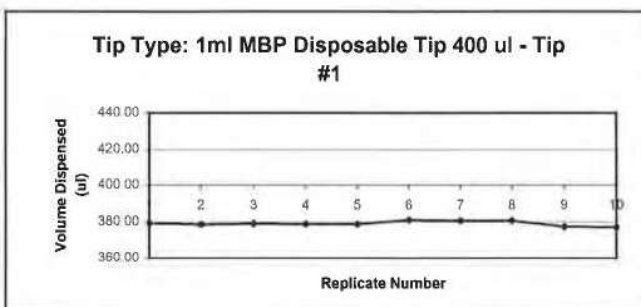
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-400ul-400ul-Run5

Tip # Repl Dsp. Wt. # Std from
 # Mean

1	1	379.13	0.09
1	2	378.43	-0.61
1	3	378.93	-0.11
1	4	378.73	-0.31
1	5	378.73	-0.31
1	6	380.94	1.90
1	7	380.54	1.50
1	8	380.64	1.60
1	9	377.23	-1.81
1	10	377.13	-1.91
2	1	378.03	0.23
2	2	378.53	0.73
2	3	375.62	-2.18
2	4	378.63	0.83
2	5	378.33	0.53
2	6	376.93	-0.87
2	7	376.83	-0.97
2	8	379.63	1.83
2	9	376.53	-1.27
2	10	378.93	1.13
3	1	378.83	-0.44
3	2	379.13	-0.14
3	3	379.03	-0.24
3	4	379.13	-0.14
3	5	379.33	0.06
3	6	380.24	0.97
3	7	379.94	0.67
3	8	380.04	0.77
3	9	377.03	-2.24
3	10	380.04	0.77
4	1	376.63	-2.43
4	2	379.13	0.07
4	3	378.73	-0.33
4	4	379.13	0.07
4	5	378.63	-0.43
4	6	380.04	0.98
4	7	379.73	0.67
4	8	379.43	0.37
4	9	379.63	0.57
4	10	379.53	0.47
5	1	380.04	-0.15
5	2	380.24	0.05

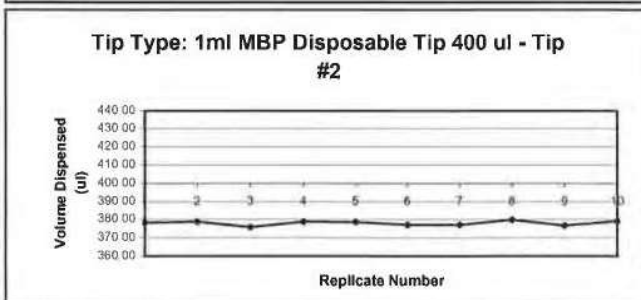
Tip # 1

Mean 379.04
 Std. Dev. 1.33
 % CV 0.35



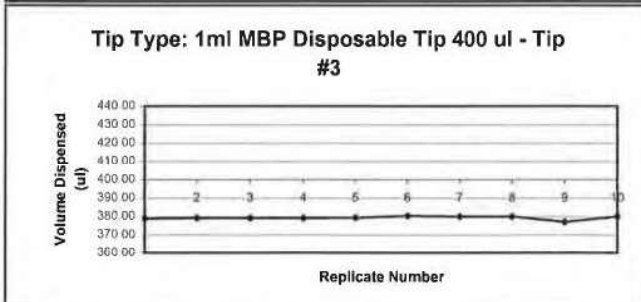
Tip # 2

Mean 377.80
 Std. Dev. 1.26
 % CV 0.33



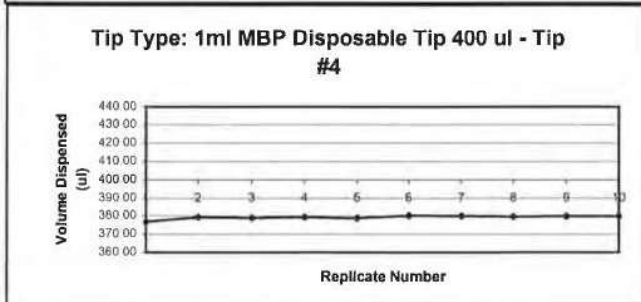
Tip # 3

Mean 379.27
 Std. Dev. 0.94
 % CV 0.25



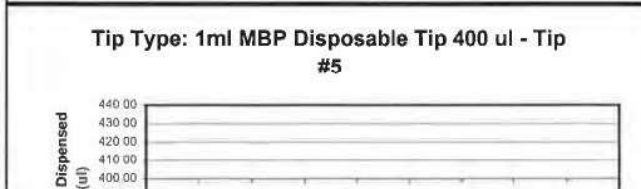
Tip # 4

Mean 379.06
 Std. Dev. 0.96
 % CV 0.25



Tip # 5

Mean 380.19



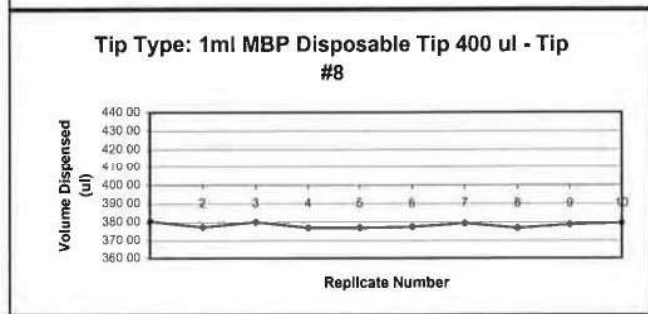
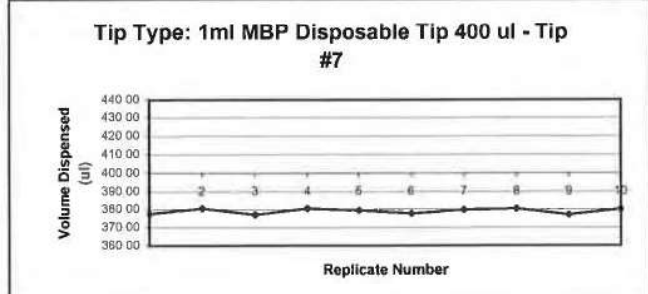
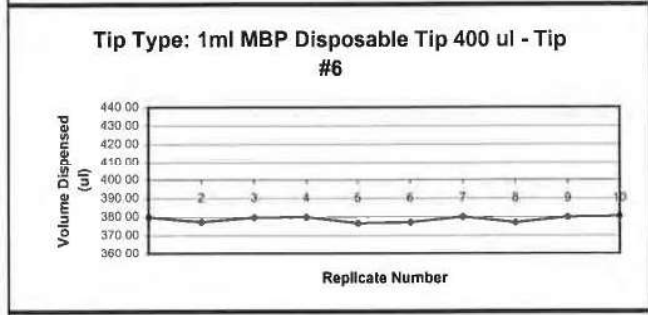
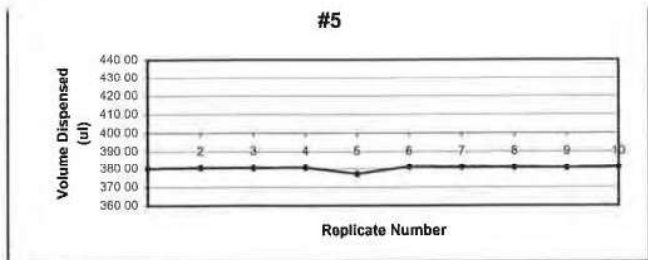
5	3	380.34	0.15
5	4	380.44	0.25
5	5	377.03	-3.16
5	6	381.04	0.85
5	7	380.84	0.65
5	8	380.64	0.45
5	9	380.44	0.25
5	10	380.84	0.65
6	1	379.84	1.15
6	2	377.23	-1.46
6	3	379.63	0.94
6	4	379.73	1.04
6	5	376.53	-2.16
6	6	377.03	-1.66
6	7	380.04	1.35
6	8	376.83	-1.86
6	9	379.84	1.15
6	10	380.24	1.55
7	1	377.43	-1.37
7	2	380.24	1.44
7	3	376.93	-1.87
7	4	380.24	1.44
7	5	379.23	0.43
7	6	377.53	-1.27
7	7	379.53	0.73
7	8	380.14	1.34
7	9	376.83	-1.97
7	10	379.94	1.14
8	1	380.34	2.11
8	2	377.13	-1.10
8	3	379.94	1.71
8	4	376.83	-1.40
8	5	376.83	-1.40
8	6	377.33	-0.90
8	7	379.23	1.00
8	8	376.63	-1.60
8	9	378.63	0.40
8	10	379.43	1.20

Std. Dev. 1.15
% CV 0.30

Tip # 6
Mean 378.69
Std. Dev. 1.56
% CV 0.41

Tip # 7
Mean 378.80
Std. Dev. 1.45
% CV 0.38

Tip # 8
Mean 378.23
Std. Dev. 1.43
% CV 0.38



Comment: 1mL_WaterWaste mode (23C) slope=1 & offset=0 calibration @ 400uL 16072007

Balance Test Results

Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/16/07
 Technician: BG

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 543404
 Sample Type: Nano Pure
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

Across tips	
Mean	665.65
Std. Dev.	1.02
%CV	0.15
% Inaccuracy	4.9

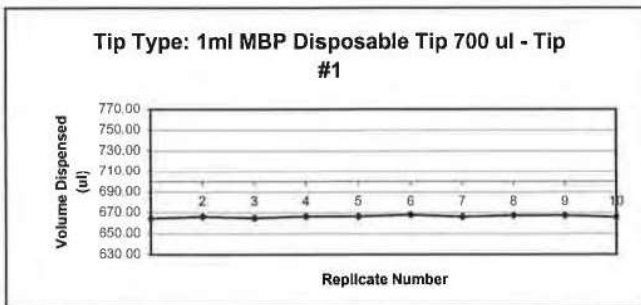
Performance File: WaterWaste 1ml DT_FW QHSS 130707_prf
 Requested Volume (ul): 700

C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-700ul-700ul-Run5

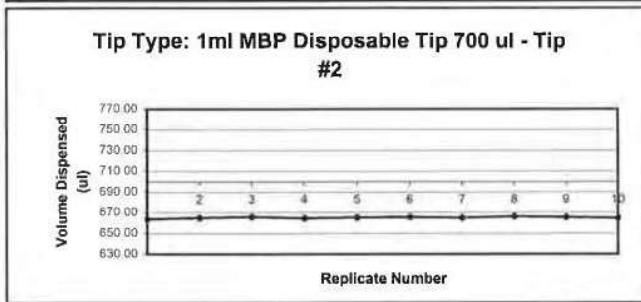
Tip # Repl Dsp. Wt. # Std from
 # Mean

1	1	664.64	-1.58
1	2	666.04	-0.18
1	3	664.74	-1.48
1	4	666.34	0.12
1	5	666.34	0.12
1	6	667.94	1.72
1	7	666.04	-0.18
1	8	667.34	1.12
1	9	667.14	0.92
1	10	665.64	-0.58
2	1	663.43	-1.38
2	2	664.64	-0.17
2	3	665.54	0.73
2	4	664.24	-0.57
2	5	665.04	0.23
2	6	665.14	0.33
2	7	664.64	-0.17
2	8	665.74	0.93
2	9	665.34	0.53
2	10	664.34	-0.47
3	1	666.44	0.64
3	2	665.84	0.04
3	3	666.24	0.44
3	4	665.24	-0.56
3	5	665.64	-0.16
3	6	667.44	1.64
3	7	665.64	-0.16
3	8	665.34	-0.46
3	9	665.44	-0.36
3	10	664.74	-1.06
4	1	667.34	1.56
4	2	665.54	-0.24
4	3	665.04	-0.74
4	4	664.74	-1.04
4	5	664.54	-1.24
4	6	667.64	1.86
4	7	665.54	-0.24
4	8	666.04	0.26
4	9	665.94	0.16
4	10	665.44	-0.34
5	1	666.14	-0.30
5	2	665.14	-1.30

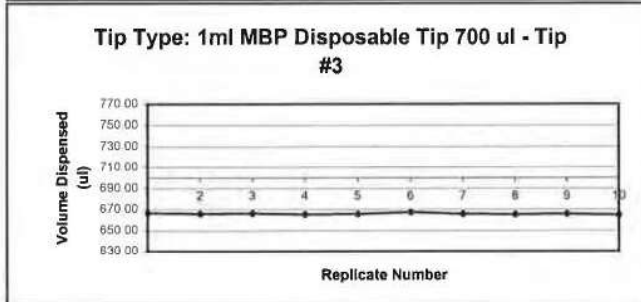
Tip # 1
 Mean 666.22
 Std. Dev. 1.06
 % CV 0.16



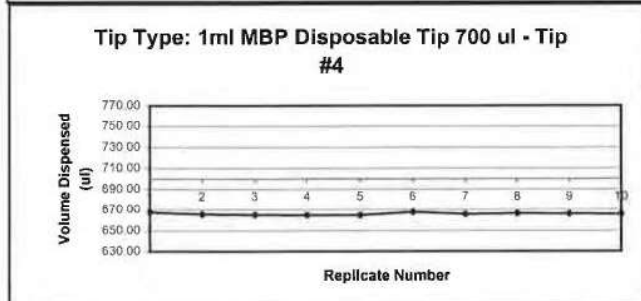
Tip # 2
 Mean 664.81
 Std. Dev. 0.70
 % CV 0.10



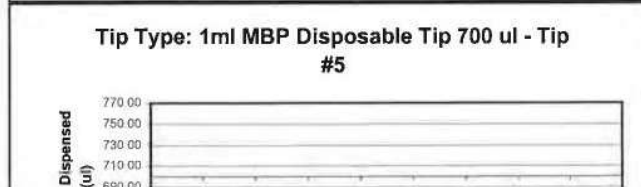
Tip # 3
 Mean 665.80
 Std. Dev. 0.75
 % CV 0.11



Tip # 4
 Mean 665.78
 Std. Dev. 1.02
 % CV 0.15



Tip # 5
 Mean 666.44



5	3	665.04	-1.40
5	4	667.04	0.60
5	5	666.44	0.00
5	6	667.04	0.60
5	7	667.24	0.80
5	8	666.24	-0.20
5	9	668.14	1.70
5	10	665.94	-0.50
6	1	664.03	-1.12
6	2	664.64	-0.51
6	3	664.34	-0.81
6	4	664.64	-0.51
6	5	664.74	-0.41
6	6	665.94	0.79
6	7	665.94	0.79
6	8	665.54	0.39
6	9	665.14	-0.01
6	10	666.54	1.39
7	1	665.94	-0.29
7	2	666.84	0.61
7	3	665.04	-1.19
7	4	665.54	-0.69
7	5	666.04	-0.19
7	6	667.04	0.81
7	7	667.44	1.21
7	8	666.04	-0.19
7	9	666.74	0.51
7	10	665.64	-0.59
8	1	664.44	-0.31
8	2	663.93	-0.82
8	3	664.14	-0.61
8	4	664.74	-0.01
8	5	665.44	0.69
8	6	664.44	-0.31
8	7	664.94	0.19
8	8	665.44	0.69
8	9	664.64	-0.11
8	10	665.34	0.59

Std. Dev. 0.96
% CV 0.14

Tip # 6

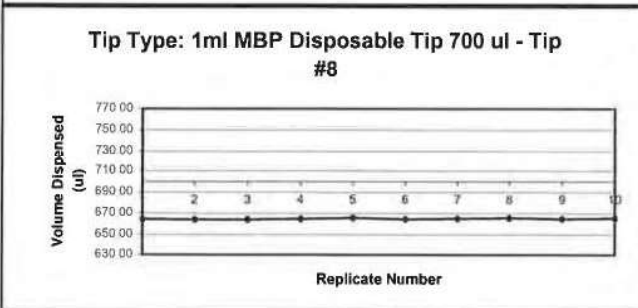
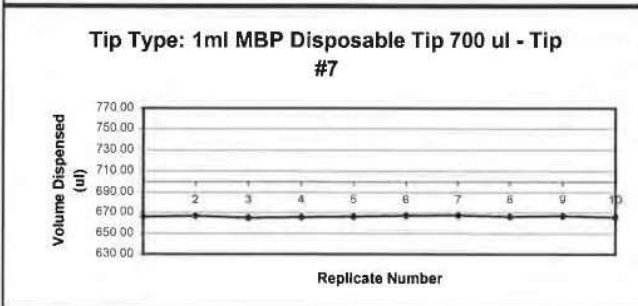
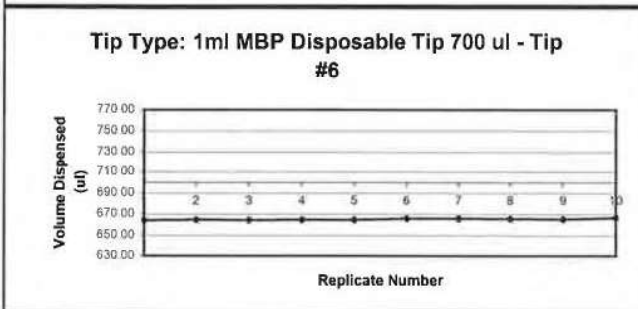
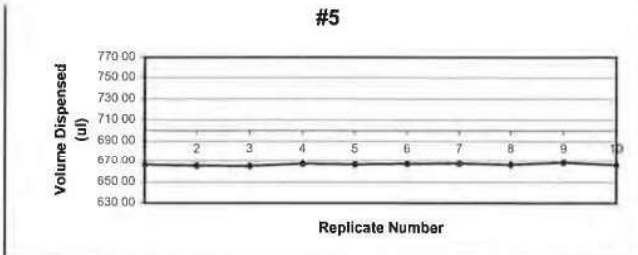
Mean 665.15
Std. Dev. 0.81
% CV 0.12

Tip # 7

Mean 666.23
Std. Dev. 0.76
% CV 0.11

Tip # 8

Mean 664.75
Std. Dev. 0.54
% CV 0.08



Comment: 1mL_WaterWaste mode (23C) slope=1 & offset=0 calibration @ 700uL 16072007

Balance Test Results

Model: MP11 HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/16/07
 Technician: BG

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 543404
 Sample Type: Nano Pure
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

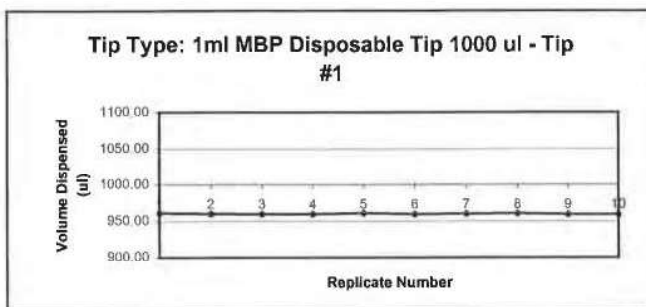
Across tips	
Mean	958.00
Std. Dev.	1.81
%CV	0.19
% Inaccuracy	4.2

Performance File: WaterWaste 1ml DT_FW QHSS 130707.prf
 Requested Volume (ul): 1000

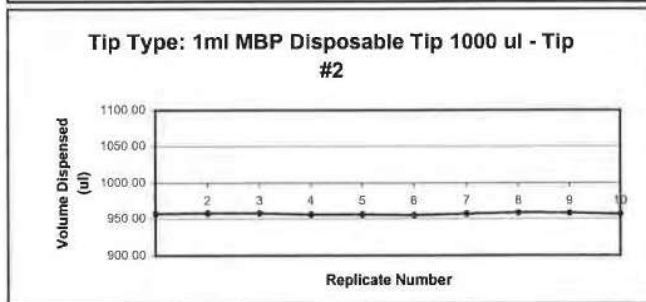
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-1000ul-Run24

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	960.77	1.00
1	2	959.96	0.19
1	3	959.26	-0.51
1	4	959.46	-0.31
1	5	960.77	1.00
1	6	959.56	-0.21
1	7	959.96	0.19
1	8	960.06	0.29
1	9	959.06	-0.71
1	10	958.86	-0.91
2	1	956.56	0.14
2	2	957.06	0.64
2	3	957.06	0.64
2	4	955.35	-1.06
2	5	955.55	-0.87
2	6	954.65	-1.76
2	7	956.25	-0.16
2	8	958.06	1.64
2	9	957.76	1.35
2	10	955.85	-0.56
3	1	957.56	0.15
3	2	957.86	0.45
3	3	957.46	0.05
3	4	958.16	0.75
3	5	958.36	0.95
3	6	957.16	-0.25
3	7	957.36	-0.05
3	8	956.15	-1.26
3	9	957.06	-0.35
3	10	956.96	-0.45
4	1	959.36	2.48
4	2	956.96	0.08
4	3	957.06	0.18
4	4	957.06	0.18
4	5	956.25	-0.63
4	6	957.46	0.58
4	7	956.45	-0.43
4	8	955.95	-0.93
4	9	956.25	-0.63
4	10	956.05	-0.83
5	1	960.77	0.43
5	2	959.06	-1.28

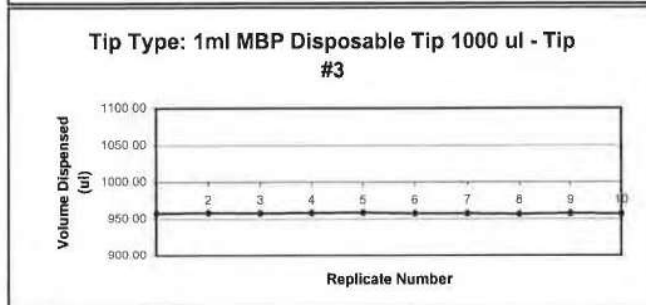
Tip # 1
 Mean 959.77
 Std. Dev. 0.66
 % CV 0.07



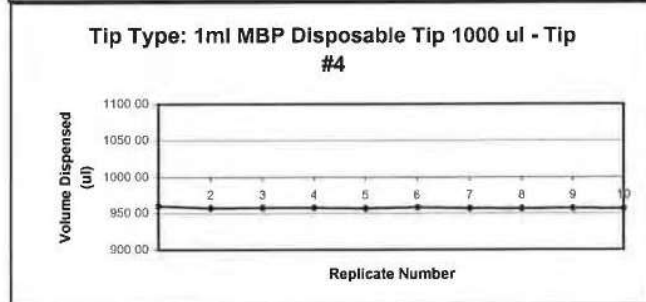
Tip # 2
 Mean 956.42
 Std. Dev. 1.09
 % CV 0.11



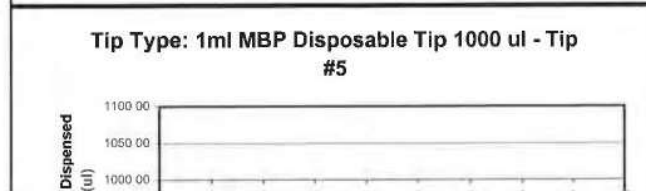
Tip # 3
 Mean 957.41
 Std. Dev. 0.64
 % CV 0.07



Tip # 4
 Mean 956.89
 Std. Dev. 1.01
 % CV 0.11



Tip # 5
 Mean 960.34



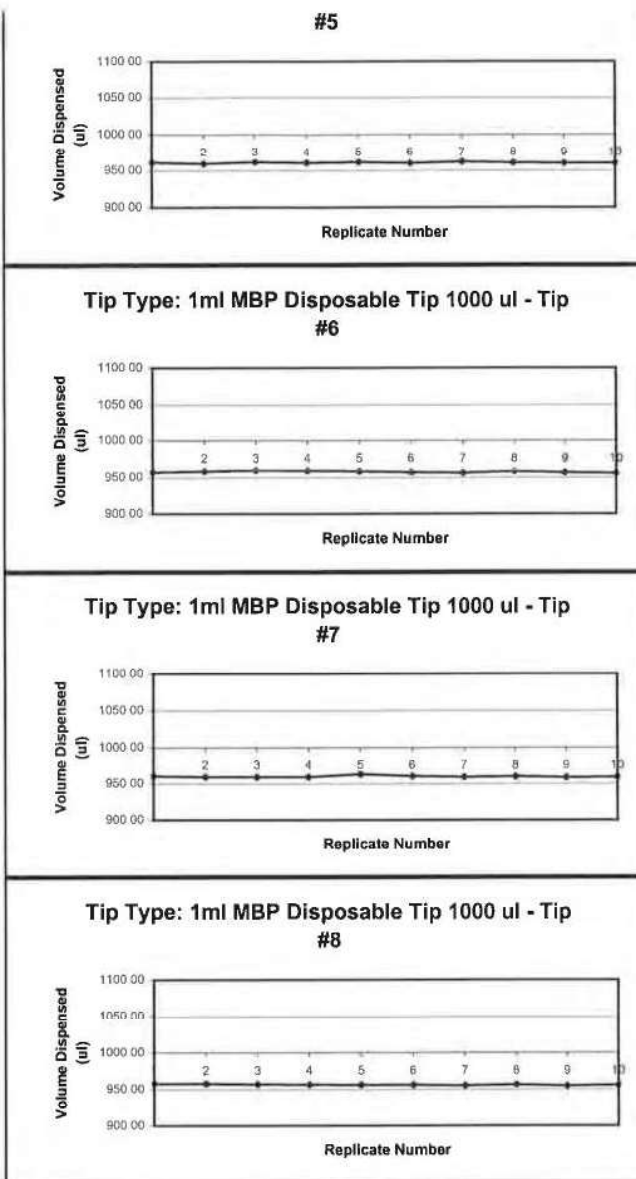
5	3	960.87	0.53
5	4	960.26	-0.08
5	5	961.27	0.93
5	6	959.86	-0.48
5	7	961.37	1.03
5	8	960.26	-0.08
5	9	959.86	-0.48
5	10	959.86	-0.48
6	1	956.96	-0.50
6	2	958.06	0.60
6	3	959.56	2.10
6	4	959.06	1.60
6	5	958.06	0.60
6	6	956.86	-0.60
6	7	956.05	-1.41
6	8	957.86	0.40
6	9	956.45	-1.01
6	10	955.65	-1.81
7	1	960.26	0.68
7	2	959.06	-0.52
7	3	959.06	-0.52
7	4	958.86	-0.72
7	5	962.67	3.09
7	6	960.16	0.58
7	7	958.76	-0.82
7	8	959.66	0.08
7	9	958.36	-1.22
7	10	958.96	-0.62
8	1	957.56	1.41
8	2	957.56	1.41
8	3	956.56	0.41
8	4	956.15	0.00
8	5	955.95	-0.20
8	6	955.95	-0.20
8	7	954.95	-1.20
8	8	956.15	0.00
8	9	954.75	-1.40
8	10	955.95	-0.20

Std. Dev. 0.73
% CV 0.08

Tip # 6
Mean 957.46
Std. Dev. 1.28
% CV 0.13

Tip # 7
Mean 959.58
Std. Dev. 1.25
% CV 0.13

Tip # 8
Mean 956.15
Std. Dev. 0.92
% CV 0.10

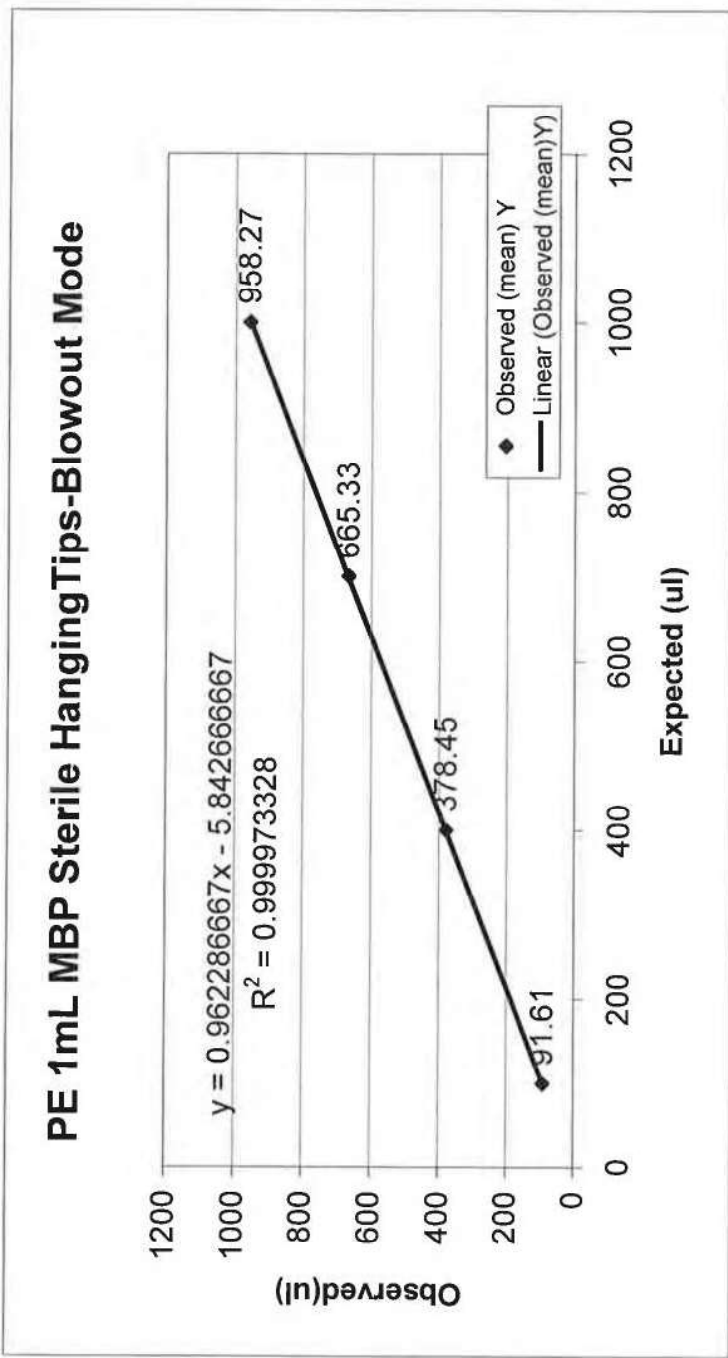


Comment: 1mL_WaterWaste mode (23C) slope=1 & offset=0 calibration @ 1000uL 16072007 (retry)

Gravimetric Assessment REF Extraction 1 mL MBP disposable tips - BLOWOUT mode

Expected X	Observed (mean) Y
1000	958.27
700	665.33
400	378.45
100	91.61

Slope 0.9622866667
 Offset -5.842666667
 R2 0.999973328



Gravimetric Assessment REF Extraction 1 mL MBP disposable tips - BLOWOUT mode (13/07/07)

Calib desk

New slope & offset
100ul low

Platform - A

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 07/17/07
Technician: BG

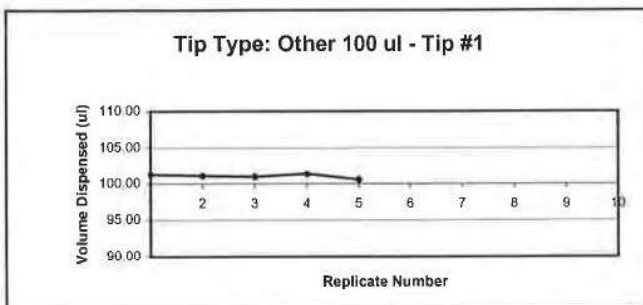
Tip Type: Other
Disposable Tip Lot #: 543404
Sample Type: Nano Pure
Sample Density (g/ml): 0.997538
System Liquid: Nano Pure Water

Across tips	
Mean	101.08
Std. Dev.	0.36
%CV	0.36
% Inaccuracy	1.1

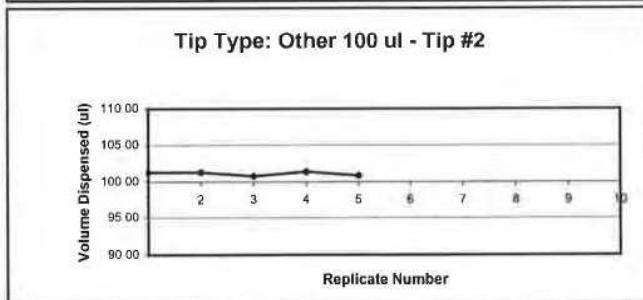
Performance File: WaterWaste 1 ml DT_FW QHSS new slope&offset 17072007.prf
Requested Volume (ul): 100 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-100ul-Run20

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	101.25	0.22
1	2	101.05	0.02
1	3	100.95	-0.08
1	4	101.35	0.32
1	5	100.55	-0.48
1	6		-101.03
1	7		-101.03
1	8		-101.03
1	9		-101.03
1	10		-101.03
2	1	101.25	0.16
2	2	101.25	0.16
2	3	100.75	-0.34
2	4	101.35	0.26
2	5	100.85	-0.24
2	6		-101.09
2	7		-101.09
2	8		-101.09
2	9		-101.09
2	10		-101.09
3	1	101.35	0.16
3	2	101.15	-0.04
3	3	101.25	0.06
3	4	101.25	0.06
3	5	100.95	-0.24
3	6		-101.19
3	7		-101.19
3	8		-101.19
3	9		-101.19
3	10		-101.19
4	1	101.55	0.52
4	2	101.15	0.12
4	3	100.75	-0.28
4	4	100.55	-0.48
4	5	101.15	0.12
4	6		-101.03
4	7		-101.03
4	8		-101.03
4	9		-101.03
4	10		-101.03
5	1	101.25	0.04
5	2	101.05	-0.16

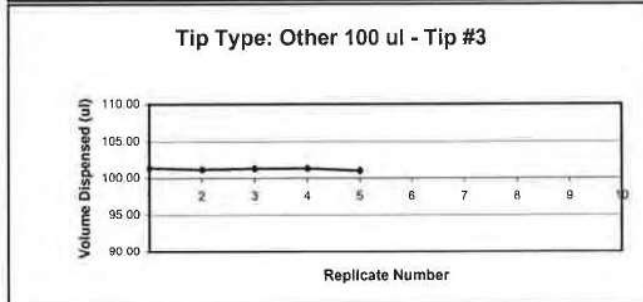
Tip # 1
Mean 101.03
Std. Dev. 0.31
% CV 0.31



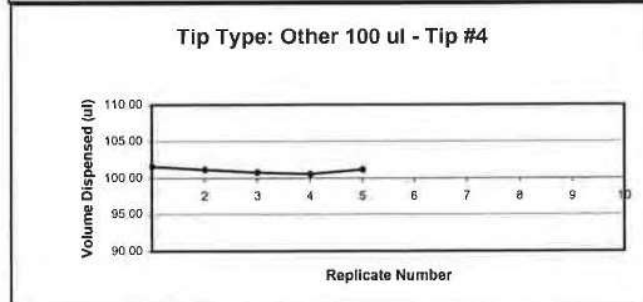
Tip # 2
Mean 101.09
Std. Dev. 0.27
% CV 0.27



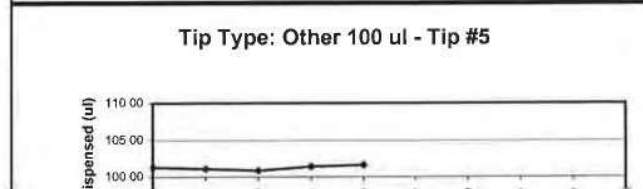
Tip # 3
Mean 101.19
Std. Dev. 0.15
% CV 0.15



Tip # 4
Mean 101.03
Std. Dev. 0.39
% CV 0.39



Tip # 5
Mean 101.21



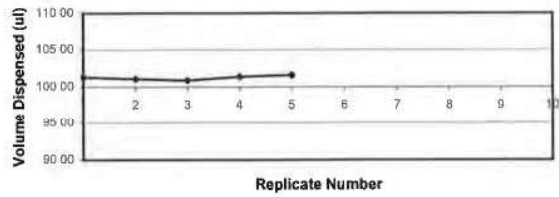
5	3	100.85	-0.36
5	4	101.35	0.14
5	5	101.55	0.34
5	6		-101.21
5	7		-101.21
5	8		-101.21
5	9		-101.21
5	10		-101.21
6	1	101.15	-0.26
6	2	101.55	0.14
6	3	101.15	-0.26
6	4	101.65	0.24
6	5	101.55	0.14
6	6		-101.41
6	7		-101.41
6	8		-101.41
6	9		-101.41
6	10		-101.41
7	1	99.85	-0.72
7	2	100.45	-0.12
7	3	100.65	0.08
7	4	101.05	0.48
7	5	100.85	0.28
7	6		-100.57
7	7		-100.57
7	8		-100.57
7	9		-100.57
7	10		-100.57
8	1	101.35	0.26
8	2	101.15	0.06
8	3	100.65	-0.44
8	4	101.35	0.26
8	5	100.95	-0.14
8	6		-101.09
8	7		-101.09
8	8		-101.09
8	9		-101.09
8	10		-101.09

Std. Dev. 0.27
% CV 0.27

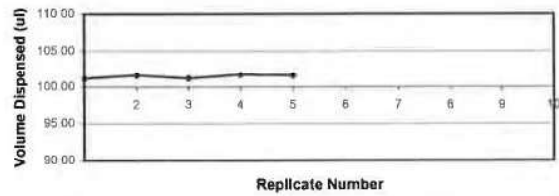
Tip # 6
Mean 101.41
Std. Dev. 0.24
% CV 0.24

Tip # 7
Mean 100.57
Std. Dev. 0.46
% CV 0.46

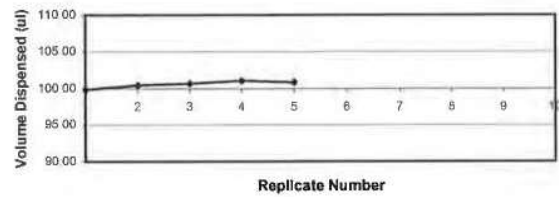
Tip # 8
Mean 101.09
Std. Dev. 0.30
% CV 0.29



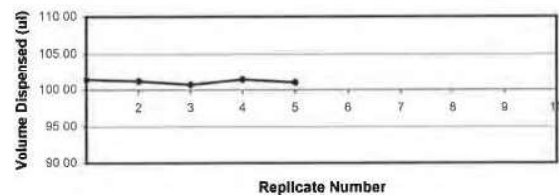
Tip Type: Other 100 ul - Tip #6



Tip Type: Other 100 ul - Tip #7



Tip Type: Other 100 ul - Tip #8



Comment: 1mL_WaterWaste mode (23C) New slope and offset @ 100uL 17072007

*New slope & offset
1000µl High.*

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 07/17/07
 Technician: BG

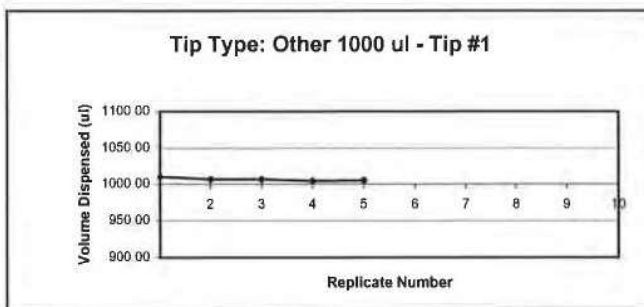
Tip Type: Other
 Disposable Tip Lot #: 543404
 Sample Type: Nano Pure
 Sample Density (g/ml): 0.997538
 System Liquid: Nano Pure Water

Across tips	
Mean	1002.55
Std. Dev.	2.35
%CV	0.23
% Inaccuracy	0.3

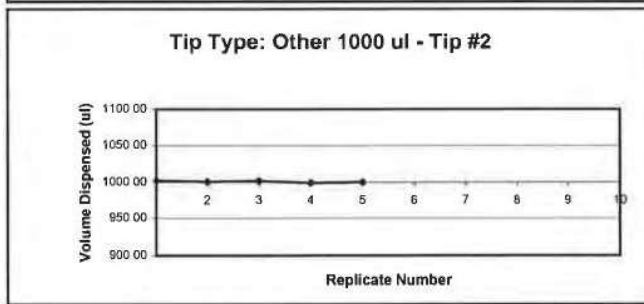
Performance File: WaterWaste 1 ml DT_FW QHSS new slope&offset 17072007.prf
 Requested Volume (ul): 1000 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-1000ul-Run28

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	1009.59	3.45
1	2	1006.38	0.24
1	3	1006.28	0.14
1	4	1003.97	-2.17
1	5	1004.47	-1.67
1	6		-1006.14
1	7		-1006.14
1	8		-1006.14
1	9		-1006.14
1	10		-1006.14
2	1	1001.77	1.27
2	2	1000.46	-0.04
2	3	1001.37	0.87
2	4	999.06	-1.44
2	5	999.86	-0.64
2	6		-1000.50
2	7		-1000.50
2	8		-1000.50
2	9		-1000.50
2	10		-1000.50
3	1	1003.07	0.18
3	2	1002.87	-0.02
3	3	1003.37	0.48
3	4	1002.77	-0.12
3	5	1002.37	-0.52
3	6		-1002.89
3	7		-1002.89
3	8		-1002.89
3	9		-1002.89
3	10		-1002.89
4	1	1001.57	0.26
4	2	1000.46	-0.85
4	3	1001.97	0.66
4	4	1001.27	-0.04
4	5	1001.27	-0.04
4	6		-1001.31
4	7		-1001.31
4	8		-1001.31
4	9		-1001.31
4	10		-1001.31
5	1	1005.38	0.23
5	2	1005.07	-0.08

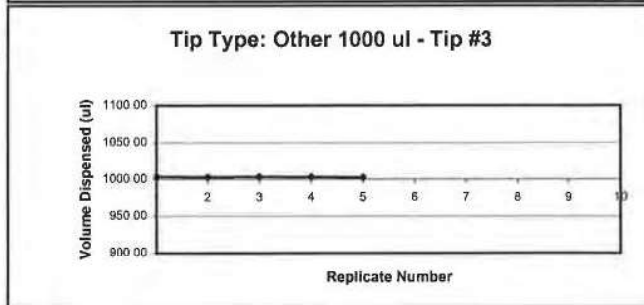
Tip # 1
 Mean 1006.14
 Std. Dev. 2.21
 % CV 0.22



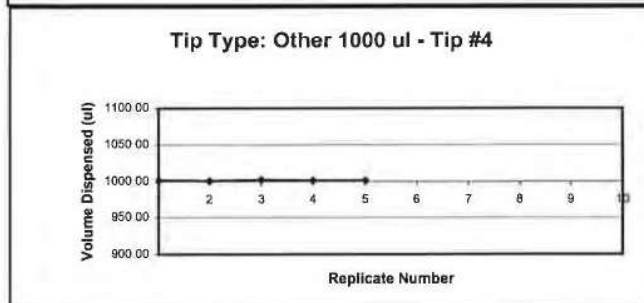
Tip # 2
 Mean 1000.50
 Std. Dev. 1.10
 % CV 0.11



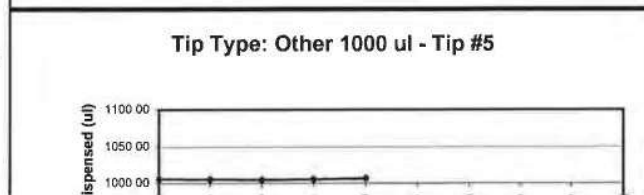
Tip # 3
 Mean 1002.89
 Std. Dev. 0.37
 % CV 0.04



Tip # 4
 Mean 1001.31
 Std. Dev. 0.55
 % CV 0.06



Tip # 5
 Mean 1005.15



5	3	1004.37	-0.78
5	4	1004.87	-0.28
5	5	1006.08	0.93
5	6		-1005.15
5	7		-1005.15
5	8		-1005.15
5	9		-1005.15
5	10		-1005.15
6	1	999.56	-1.48
6	2	1000.26	-0.78
6	3	1002.57	1.53
6	4	1002.47	1.43
6	5	1000.36	-0.68
6	6		-1001.04
6	7		-1001.04
6	8		-1001.04
6	9		-1001.04
6	10		-1001.04
7	1	1002.97	-0.42
7	2	1002.47	-0.92
7	3	1003.27	-0.12
7	4	1003.77	0.38
7	5	1004.47	1.08
7	6		-1003.39
7	7		-1003.39
7	8		-1003.39
7	9		-1003.39
7	10		-1003.39
8	1	998.86	-1.14
8	2	1000.56	0.56
8	3	999.76	-0.24
8	4	999.56	-0.44
8	5	1001.27	1.27
8	6		-1000.00
8	7		-1000.00
8	8		-1000.00
8	9		-1000.00
8	10		-1000.00

Std. Dev. 0.63
% CV 0.06

Tip # 6

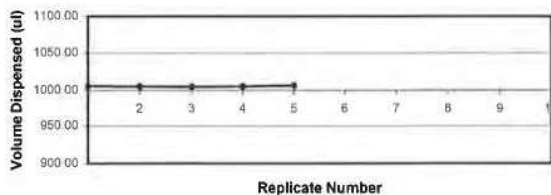
Mean 1001.04
Std. Dev. 1.38
% CV 0.14

Tip # 7

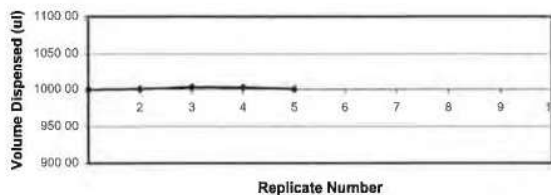
Mean 1003.39
Std. Dev. 0.77
% CV 0.08

Tip # 8

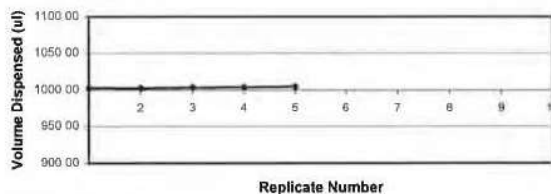
Mean 1000.00
Std. Dev. 0.93
% CV 0.09



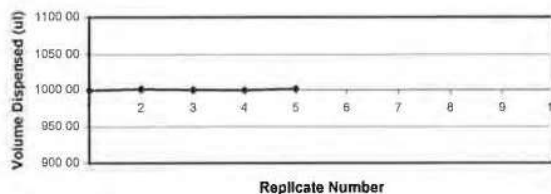
Tip Type: Other 1000 ul - Tip #6



Tip Type: Other 1000 ul - Tip #7



Tip Type: Other 1000 ul - Tip #8



Comment: 1mL_WaterWaste mode (23C) New slope and offset @ 1000uL 17072007

Platform - A
fixed tips

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 11/08/07
Technician: GSL

Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.997394
System Liquid: Nano Pure Water

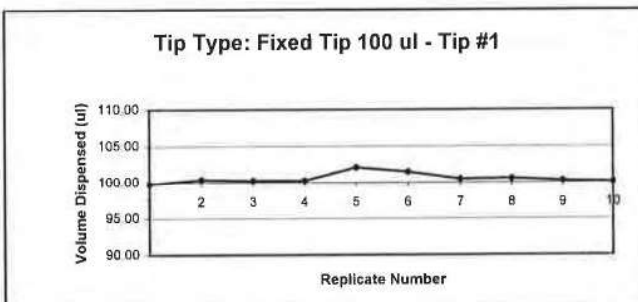
Across tips	
Mean	100.01
Std. Dev.	0.81
%CV	0.81
% Inaccuracy	0.0

Performance File: WaterBlowout Fixed Tips_QHSS.prf
Requested Volume (ul): 100

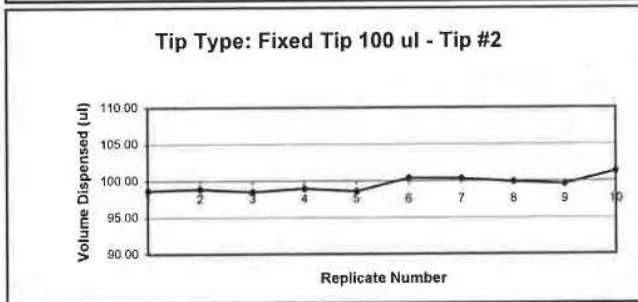
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-100ul-Run1

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	99.76	-0.79
1	2	100.36	-0.19
1	3	100.26	-0.29
1	4	100.26	-0.29
1	5	102.07	1.52
1	6	101.46	0.91
1	7	100.46	-0.09
1	8	100.56	0.01
1	9	100.26	-0.29
1	10	100.06	-0.49
2	1	98.66	-0.82
2	2	98.86	-0.62
2	3	98.46	-1.02
2	4	98.96	-0.52
2	5	98.56	-0.92
2	6	100.36	0.88
2	7	100.26	0.78
2	8	99.86	0.38
2	9	99.56	0.08
2	10	101.26	1.78
3	1	99.66	0.01
3	2	100.06	0.41
3	3	99.96	0.31
3	4	99.56	-0.09
3	5	99.76	0.11
3	6	99.36	-0.29
3	7	99.46	-0.19
3	8	99.46	-0.19
3	9	99.46	-0.19
3	10	99.76	0.11
4	1	98.86	-0.82
4	2	99.76	0.08
4	3	99.56	-0.12
4	4	99.46	-0.22
4	5	99.16	-0.52
4	6	99.86	0.18
4	7	99.86	0.18
4	8	100.26	0.58
4	9	99.86	0.18
4	10	100.16	0.48
5	1	98.96	-0.45
5	2	99.96	0.55

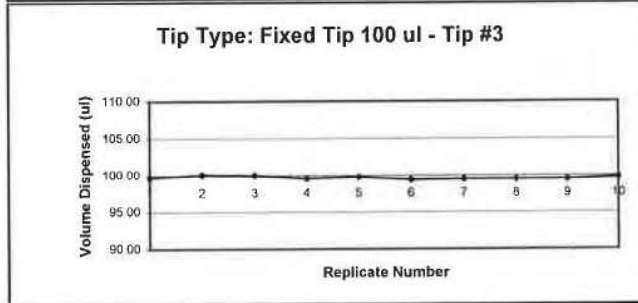
Tip # 1
Mean 100.55
Std. Dev. 0.69
% CV 0.69



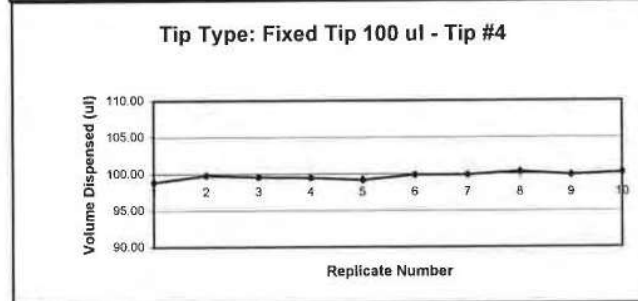
Tip # 2
Mean 99.48
Std. Dev. 0.94
% CV 0.94



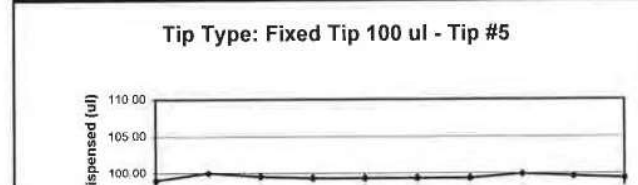
Tip # 3
Mean 99.65
Std. Dev. 0.23
% CV 0.23



Tip # 4
Mean 99.68
Std. Dev. 0.43
% CV 0.43



Tip # 5
Mean 99.41



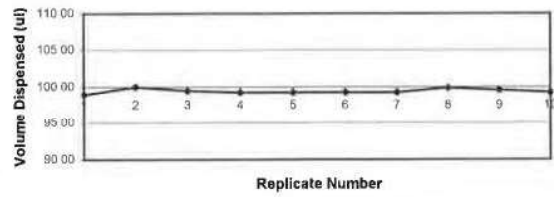
5	3	99.46	0.05
5	4	99.26	-0.15
5	5	99.26	-0.15
5	6	99.26	-0.15
5	7	99.26	-0.15
5	8	99.86	0.45
5	9	99.56	0.15
5	10	99.26	-0.15
6	1	100.76	-0.45
6	2	101.16	-0.05
6	3	101.16	-0.05
6	4	101.36	0.15
6	5	100.86	-0.35
6	6	100.86	-0.35
6	7	101.16	-0.05
6	8	100.56	-0.65
6	9	102.97	1.76
6	10	101.26	0.05
7	1	99.16	-0.59
7	2	100.66	0.91
7	3	99.86	0.11
7	4	99.46	-0.29
7	5	99.46	-0.29
7	6	99.06	-0.69
7	7	99.56	-0.19
7	8	99.16	-0.59
7	9	100.56	0.81
7	10	100.56	0.81
8	1	99.86	-0.51
8	2	100.26	-0.11
8	3	100.86	0.49
8	4	100.46	0.09
8	5	99.96	-0.41
8	6	100.16	-0.21
8	7	100.46	0.09
8	8	100.36	-0.01
8	9	100.66	0.29
8	10	100.66	0.29

Std. Dev. 0.31
% CV 0.31

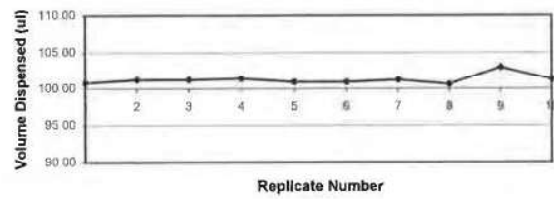
Tip # 6
Mean 101.21
Std. Dev. 0.67
% CV 0.66

Tip # 7
Mean 99.75
Std. Dev. 0.63
% CV 0.63

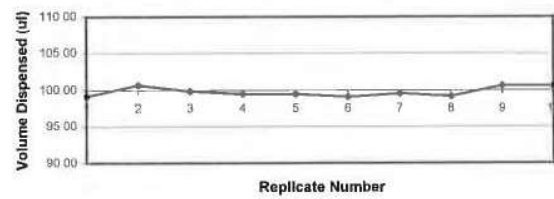
Tip # 8
Mean 100.37
Std. Dev. 0.32
% CV 0.32



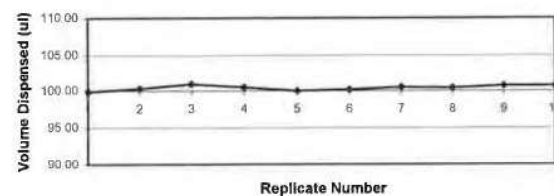
Tip Type: Fixed Tip 100 ul - Tip #6



Tip Type: Fixed Tip 100 ul - Tip #7



Tip Type: Fixed Tip 100 ul - Tip #8



Comment: Water Blowout Fixed TipsDT_QHSS calibrate at 100uL (23.6) 08112007

*Platform - A
Fixed tips*

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 11/08/07
Technician: GSL

Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.997394
System Liquid: Nano Pure Water

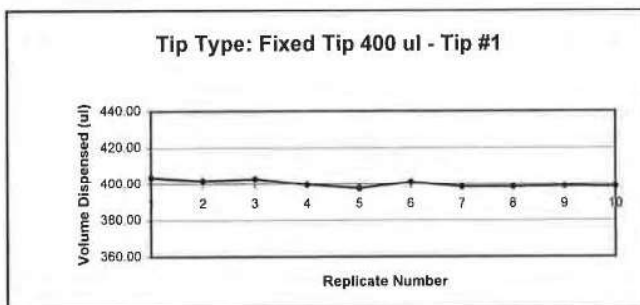
Across tips	
Mean	399.47
Std. Dev.	2.46
%CV	0.62
% Inaccuracy	0.1

Performance File: WaterBlowout Fixed Tips_QHSS.prf
Requested Volume (ul): 400

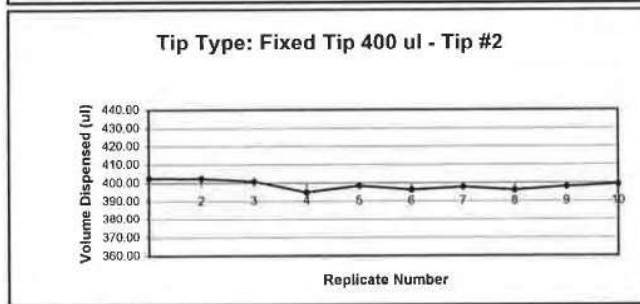
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-400ul-400ul-Run1

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	403.55	3.58
1	2	401.65	1.68
1	3	402.75	2.78
1	4	399.64	-0.33
1	5	397.44	-2.53
1	6	400.94	0.97
1	7	398.34	-1.63
1	8	398.34	-1.63
1	9	398.64	-1.33
1	10	398.44	-1.53
2	1	402.45	3.89
2	2	402.25	3.69
2	3	400.74	2.18
2	4	394.73	-3.83
2	5	398.44	-0.12
2	6	396.13	-2.43
2	7	397.74	-0.82
2	8	396.03	-2.53
2	9	397.84	-0.72
2	10	399.24	0.68
3	1	398.94	0.49
3	2	399.64	1.19
3	3	399.94	1.49
3	4	400.24	1.79
3	5	399.54	1.09
3	6	397.03	-1.42
3	7	396.43	-2.02
3	8	396.83	-1.62
3	9	398.04	-0.41
3	10	397.84	-0.61
4	1	406.56	6.03
4	2	404.05	3.52
4	3	397.84	-2.69
4	4	400.64	0.11
4	5	399.94	-0.59
4	6	400.04	-0.49
4	7	399.24	-1.29
4	8	401.35	0.82
4	9	398.84	-1.69
4	10	396.83	-3.70
5	1	402.75	3.95
5	2	401.65	2.85

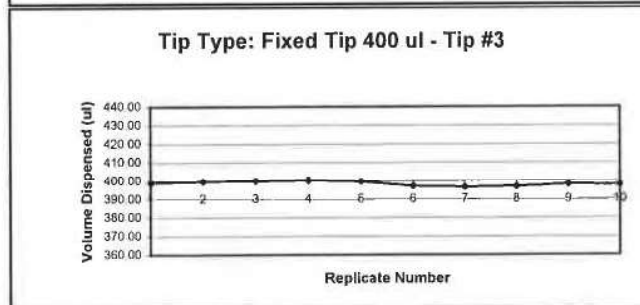
Tip # 1
Mean 399.97
Std. Dev. 2.11
% CV 0.53



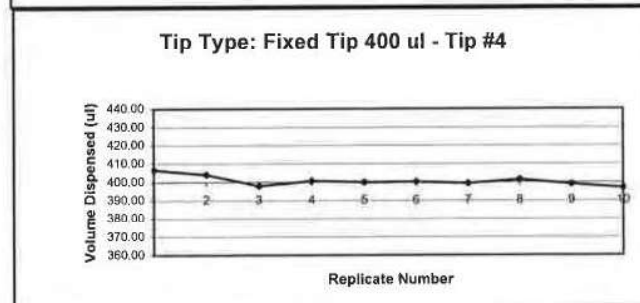
Tip # 2
Mean 398.56
Std. Dev. 2.63
% CV 0.66



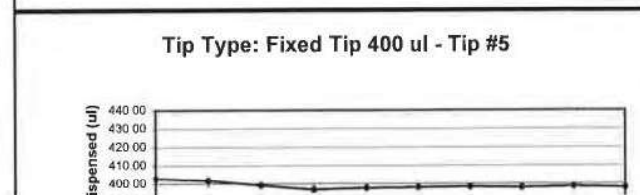
Tip # 3
Mean 398.45
Std. Dev. 1.40
% CV 0.35



Tip # 4
Mean 400.53
Std. Dev. 2.90
% CV 0.72



Tip # 5
Mean 398.80



5	3	399.04	0.24
5	4	396.63	-2.17
5	5	397.54	-1.26
5	6	397.94	-0.86
5	7	398.14	-0.66
5	8	397.94	-0.86
5	9	398.44	-0.36
5	10	397.94	-0.86
6	1	404.75	4.44
6	2	405.16	4.85
6	3	402.55	2.24
6	4	399.14	-1.17
6	5	398.74	-1.57
6	6	397.24	-3.07
6	7	399.14	-1.17
6	8	399.04	-1.27
6	9	398.44	-1.87
6	10	398.94	-1.37
7	1	403.05	4.05
7	2	403.15	4.15
7	3	401.85	2.85
7	4	400.94	1.94
7	5	398.64	-0.36
7	6	395.03	-3.97
7	7	396.13	-2.87
7	8	396.93	-2.07
7	9	397.13	-1.87
7	10	397.13	-1.87
8	1	404.35	4.20
8	2	403.85	3.70
8	3	401.05	0.90
8	4	400.14	-0.01
8	5	398.74	-1.41
8	6	399.94	-0.21
8	7	398.24	-1.91
8	8	398.14	-2.01
8	9	398.84	-1.31
8	10	398.24	-1.91

Std. Dev. 1.91
% CV 0.48

Tip # 6

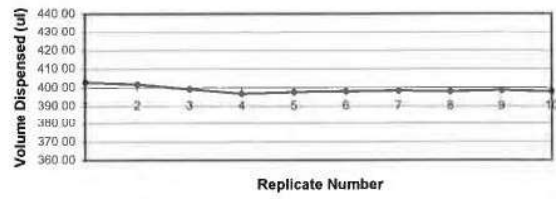
Mean 400.31
Std. Dev. 2.79
% CV 0.70

Tip # 7

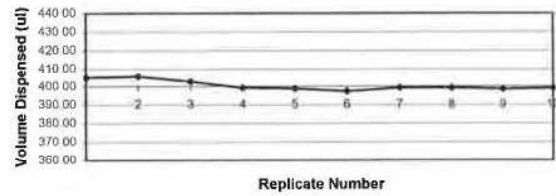
Mean 399.00
Std. Dev. 3.00
% CV 0.75

Tip # 8

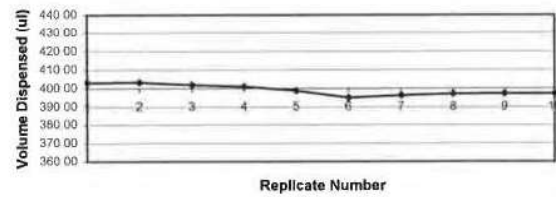
Mean 400.15
Std. Dev. 2.29
% CV 0.57



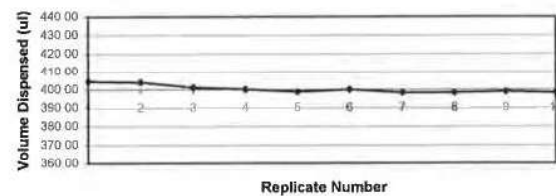
Tip Type: Fixed Tip 400 ul - Tip #6



Tip Type: Fixed Tip 400 ul - Tip #7



Tip Type: Fixed Tip 400 ul - Tip #8



Comment: Water Blowout Fixed TipsDT_QHSS calibrate at 400uL (23.6) 08112007

*Plat form A
Fixed tips*

Balance Test Results

Model: MPIO HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 11/07/07
Technician: GSL

Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.997394
System Liquid: Nano Pure Water

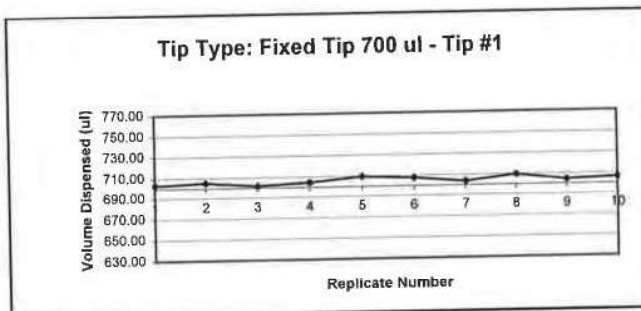
Across tips	
Mean	705.19
Std. Dev.	3.35
%CV	0.47
% Inaccuracy	0.7

Performance File: WaterBlowout Fixed Tips_QHSS.prf
Requested Volume (ul): 700

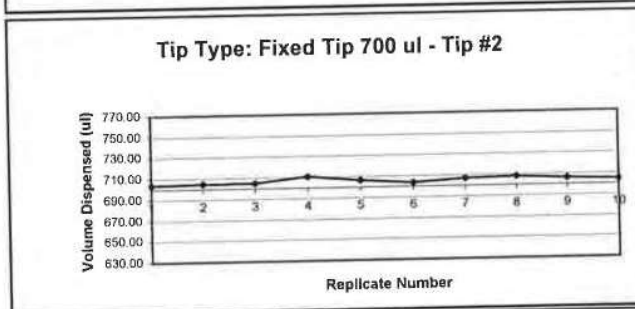
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-700ul-700ul-Run1

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	702.93	-2.45
1	2	705.04	-0.34
1	3	701.73	-3.65
1	4	704.44	-0.94
1	5	709.25	3.87
1	6	707.34	1.96
1	7	703.63	-1.75
1	8	709.45	4.07
1	9	704.13	-1.25
1	10	705.84	0.46
2	1	703.63	-2.26
2	2	704.64	-1.25
2	3	704.94	-0.95
2	4	710.75	4.86
2	5	706.44	0.55
2	6	703.43	-2.46
2	7	706.64	0.75
2	8	707.84	1.95
2	9	705.94	0.05
2	10	704.64	-1.25
3	1	702.43	-3.33
3	2	704.44	-1.32
3	3	707.64	1.88
3	4	705.74	-0.02
3	5	706.94	1.18
3	6	702.63	-3.13
3	7	711.55	5.79
3	8	707.14	1.38
3	9	706.74	0.98
3	10	702.33	-3.43
4	1	708.25	4.33
4	2	708.65	4.73
4	3	710.85	6.93
4	4	706.14	2.22
4	5	702.33	-1.59
4	6	699.52	-4.40
4	7	700.53	-3.39
4	8	702.93	-1.00
4	9	700.93	-3.00
4	10	699.12	-4.80
5	1	709.65	5.64
5	2	702.83	-1.18

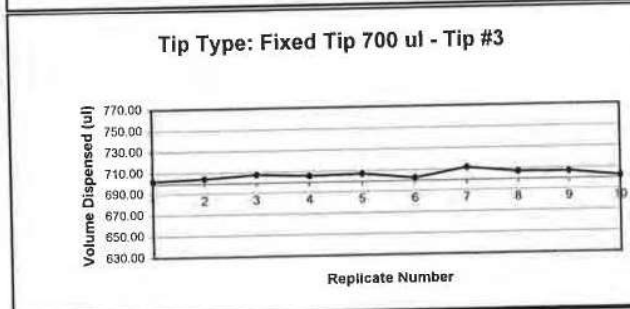
Tip # 1
Mean 705.38
Std. Dev. 2.59
% CV 0.37



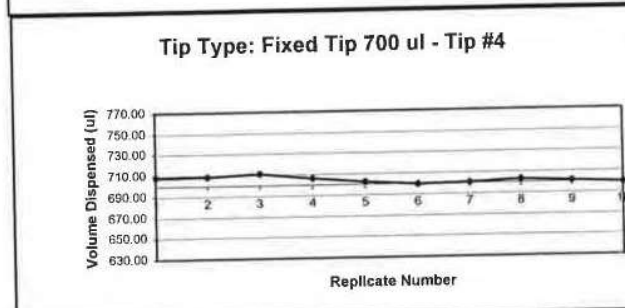
Tip # 2
Mean 705.89
Std. Dev. 2.20
% CV 0.31



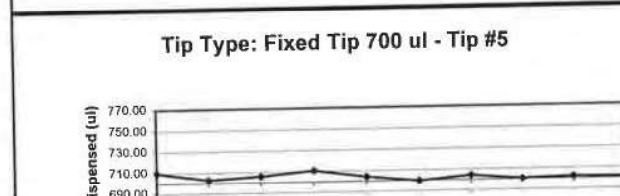
Tip # 3
Mean 705.76
Std. Dev. 2.90
% CV 0.41



Tip # 4
Mean 703.93
Std. Dev. 4.22
% CV 0.60



Tip # 5
Mean 704.01



5	3	705.94	1.93
5	4	710.55	6.54
5	5	704.03	0.02
5	6	699.42	-4.59
5	7	704.13	0.12
5	8	700.33	-3.68
5	9	701.83	-2.18
5	10	701.43	-2.58
6	1	702.93	-3.73
6	2	708.45	1.79
6	3	706.94	0.28
6	4	704.54	-2.12
6	5	708.45	1.79
6	6	708.25	1.59
6	7	711.35	4.69
6	8	704.64	-2.02
6	9	709.85	3.19
6	10	701.23	-5.43
7	1	711.25	5.88
7	2	702.43	-2.94
7	3	703.03	-2.34
7	4	705.64	0.27
7	5	711.25	5.88
7	6	711.86	6.49
7	7	703.43	-1.94
7	8	703.93	-1.44
7	9	699.22	-6.15
7	10	701.63	-3.74
8	1	703.43	-1.13
8	2	706.64	2.08
8	3	702.83	-1.73
8	4	707.84	3.28
8	5	702.13	-2.43
8	6	710.15	5.59
8	7	706.14	1.58
8	8	701.23	-3.33
8	9	701.73	-2.83
8	10	703.43	-1.13

Std. Dev. 3.74
% CV 0.53

Tip # 6

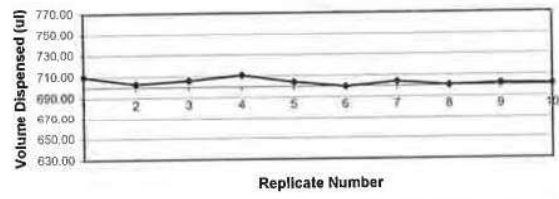
Mean 706.66
Std. Dev. 3.22
% CV 0.46

Tip # 7

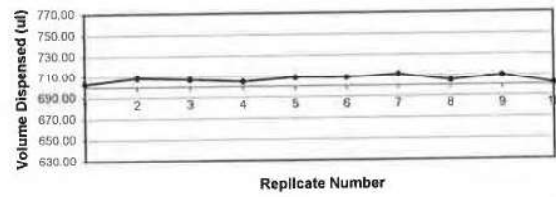
Mean 705.37
Std. Dev. 4.51
% CV 0.64

Tip # 8

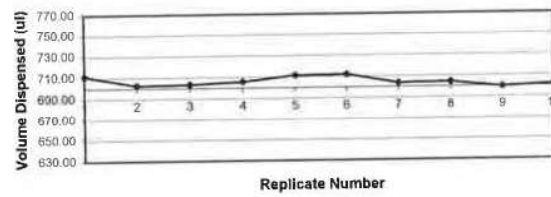
Mean 704.56
Std. Dev. 2.97
% CV 0.42



Tip Type: Fixed Tip 700 ul - Tip #6



Tip Type: Fixed Tip 700 ul - Tip #7



Tip Type: Fixed Tip 700 ul - Tip #8

Comment: Water Blowout Fixed TipsDT_QHSS calibrate at 700uL (23.6) 07112007

*Platform A
fixed tips*

Balance Test Results

Model: MPlI HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 11/07/07
Technician: GSL

Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.997394
System Liquid: Nano Pure Water

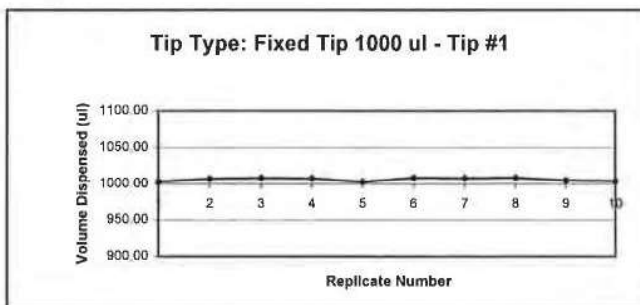
Across tips	
Mean	1005.28
Std. Dev.	3.48
%CV	0.35
% Inaccuracy	0.5

Performance File: WaterBlowout Fixed Tips_QHSS.prf
Requested Volume (ul): 1000

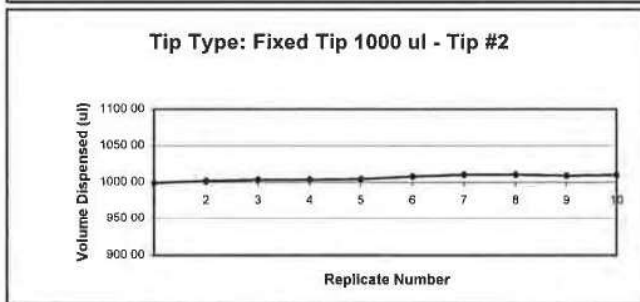
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-1000ul-Run3

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	1003.05	-2.80
1	2	1006.61	0.76
1	3	1007.42	1.57
1	4	1007.36	1.51
1	5	1002.47	-3.38
1	6	1007.89	2.04
1	7	1007.45	1.60
1	8	1008.03	2.18
1	9	1004.62	-1.23
1	10	1003.62	-2.23
2	1	998.73	-6.94
2	2	1001.43	-4.24
2	3	1003.38	-2.29
2	4	1003.06	-2.61
2	5	1004.01	-1.66
2	6	1007.43	1.76
2	7	1010.03	4.36
2	8	1009.93	4.26
2	9	1008.83	3.16
2	10	1009.83	4.16
3	1	1005.17	-2.64
3	2	1004.71	-3.10
3	3	1006.76	-1.05
3	4	1007.70	-0.11
3	5	1009.69	1.88
3	6	1007.73	-0.08
3	7	1009.73	1.92
3	8	1009.53	1.72
3	9	1009.53	1.72
3	10	1007.53	-0.28
4	1	1003.64	-2.76
4	2	1003.30	-3.10
4	3	1008.68	2.28
4	4	1004.95	-1.45
4	5	1007.37	0.97
4	6	1009.23	2.83
4	7	1007.73	1.33
4	8	1003.21	-3.19
4	9	1007.43	1.03
4	10	1008.43	2.03
5	1	999.21	-3.85
5	2	1000.17	-2.89

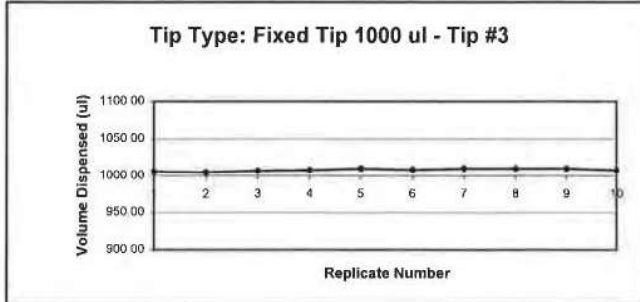
Tip # 1
Mean 1005.85
Std. Dev. 2.17
% CV 0.22



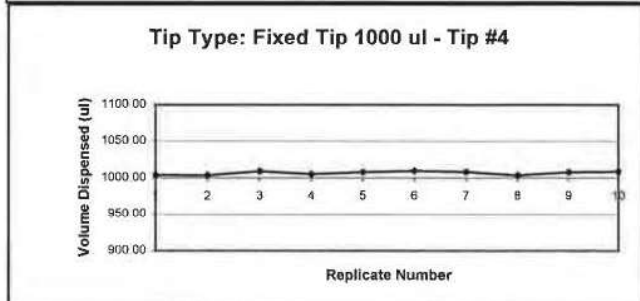
Tip # 2
Mean 1005.67
Std. Dev. 4.06
% CV 0.40



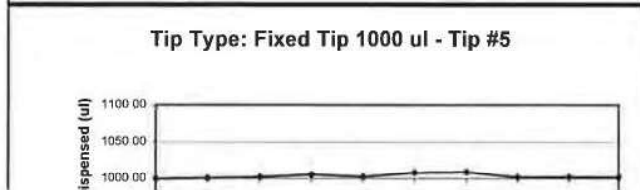
Tip # 3
Mean 1007.81
Std. Dev. 1.85
% CV 0.18



Tip # 4
Mean 1006.40
Std. Dev. 2.37
% CV 0.24



Tip # 5
Mean 1003.06



5	3	1002.00	-1.06
5	4	1005.14	2.08
5	5	1002.43	-0.63
5	6	1008.13	5.07
5	7	1008.63	5.57
5	8	1001.41	-1.65
5	9	1001.81	-1.25
5	10	1001.71	-1.35
6	1	998.79	-5.52
6	2	1000.99	-3.32
6	3	1001.31	-3.00
6	4	1005.95	1.64
6	5	1004.64	0.33
6	6	1011.24	6.93
6	7	1001.11	-3.20
6	8	1007.33	3.02
6	9	1003.52	-0.79
6	10	1008.23	3.92
7	1	999.10	-4.89
7	2	999.51	-4.48
7	3	997.41	-6.58
7	4	1002.27	-1.72
7	5	1004.01	0.02
7	6	1010.83	6.84
7	7	1002.01	-1.98
7	8	1008.73	4.74
7	9	1008.63	4.64
7	10	1007.43	3.44
8	1	1000.79	-4.39
8	2	1002.25	-2.93
8	3	1003.32	-1.86
8	4	1008.72	3.54
8	5	1006.00	0.82
8	6	1009.23	4.05
8	7	1009.33	4.15
8	8	1007.73	2.55
8	9	1002.21	-2.97
8	10	1002.21	-2.97

Std. Dev. 3.19
% CV 0.32

Tip # 6

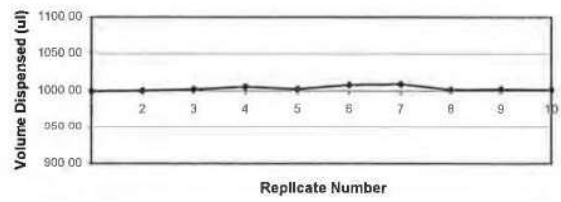
Mean 1004.31
Std. Dev. 3.90
% CV 0.39

Tip # 7

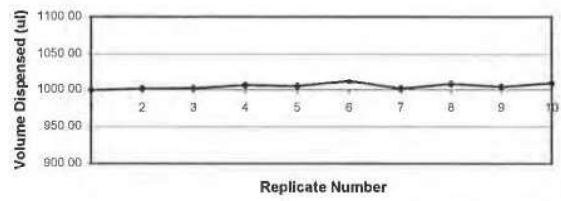
Mean 1003.99
Std. Dev. 4.68
% CV 0.47

Tip # 8

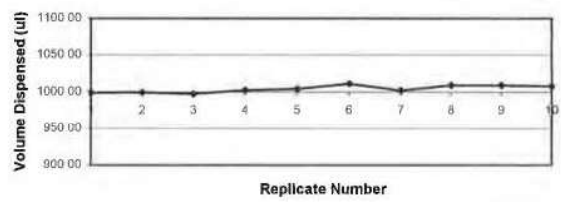
Mean 1005.18
Std. Dev. 3.37
% CV 0.34



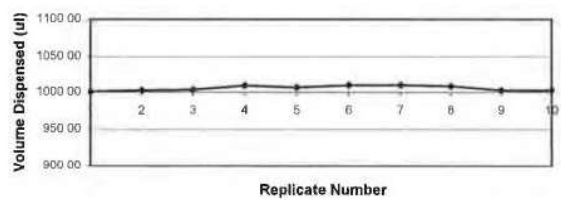
Tip Type: Fixed Tip 1000 ul - Tip #6



Tip Type: Fixed Tip 1000 ul - Tip #7



Tip Type: Fixed Tip 1000 ul - Tip #8



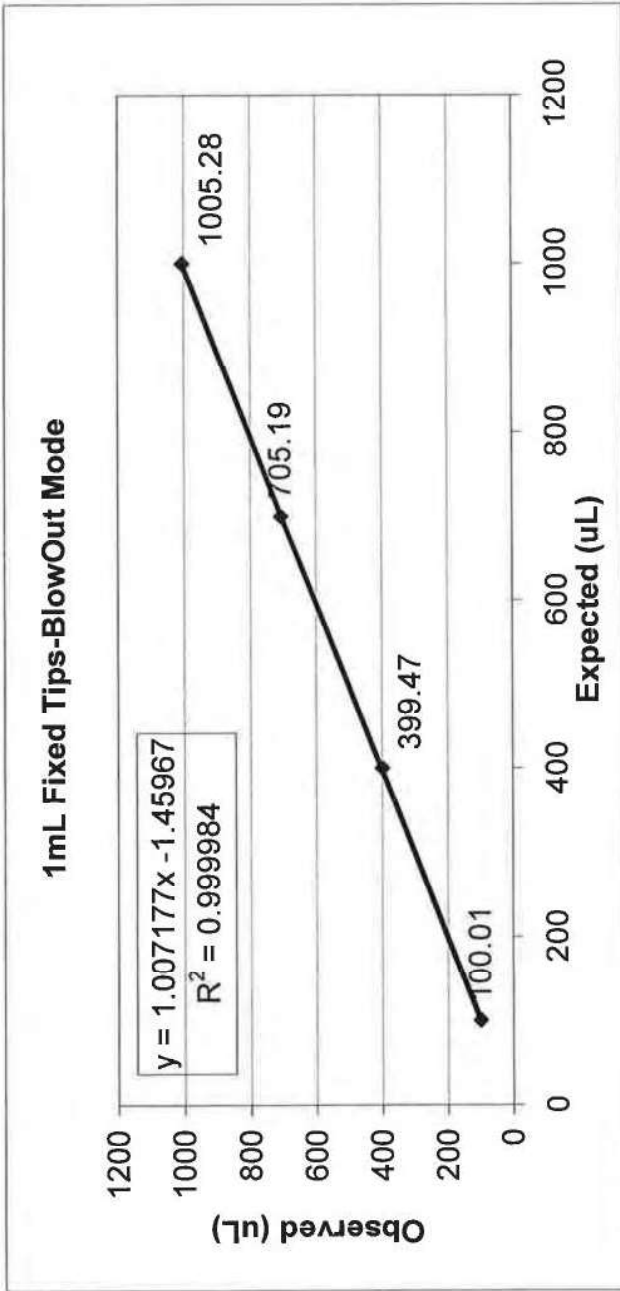
Comment: Water Blowout Fixed TipsDT_QHSS calibrate at 1000uL (23.6) 07112007

Gravimetric Assessment Extraction Platform_A Fixed Tips - BLOWOUT mode (08112007)

Expected X Observed (mean) Y

Expected X	Observed (mean) Y
1000	1005.28
700	705.19
400	399.47
100	100.01

Slope 1.007177
 Offset -1.459667
 R2 0.999984



Colib. Check

Platform - A

Newslope / offset
Fixed tips

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 11/08/07
Technician: GSL

Tip Type: Fixed Tip
Disposable Tip Lot #: N/A
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.997394
System Liquid: Nano Pure Water

Across tips	
Mean	995.97
Std. Dev.	3.07
%CV	0.31
% Inaccuracy	0.4

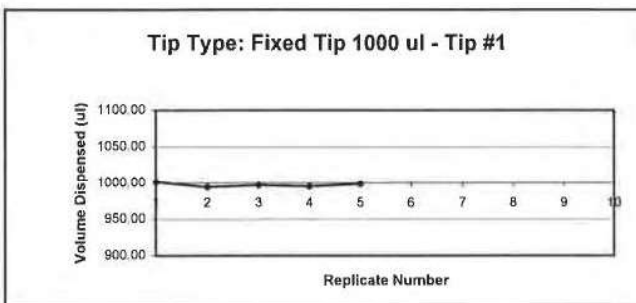
Performance File: WaterBlowout Fixed Tips_QHSS_08112007.prf

Requested Volume (ul): 1000

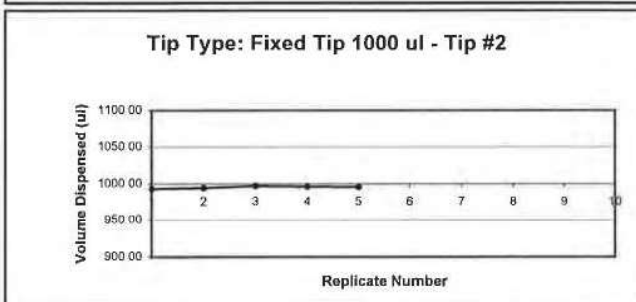
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-0ul-Run1

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	1001.01	3.91
1	2	994.09	-3.01
1	3	996.90	-0.20
1	4	994.89	-2.21
1	5	998.60	1.50
1	6		-997.10
1	7		-997.10
1	8		-997.10
1	9		-997.10
1	10		-997.10
2	1	992.79	-2.22
2	2	994.19	-0.82
2	3	996.70	1.69
2	4	995.80	0.79
2	5	995.59	0.58
2	6		-995.01
2	7		-995.01
2	8		-995.01
2	9		-995.01
2	10		-995.01
3	1	1001.61	1.58
3	2	996.80	-3.23
3	3	995.90	-4.13
3	4	1000.71	0.68
3	5	1005.12	5.09
3	6		-1000.03
3	7		-1000.03
3	8		-1000.03
3	9		-1000.03
3	10		-1000.03
4	1	997.30	1.32
4	2	996.50	0.52
4	3	997.00	1.02
4	4	994.69	-1.29
4	5	994.39	-1.59
4	6		-995.98
4	7		-995.98
4	8		-995.98
4	9		-995.98
4	10		-995.98
5	1	990.98	-0.60
5	2	991.38	-0.20

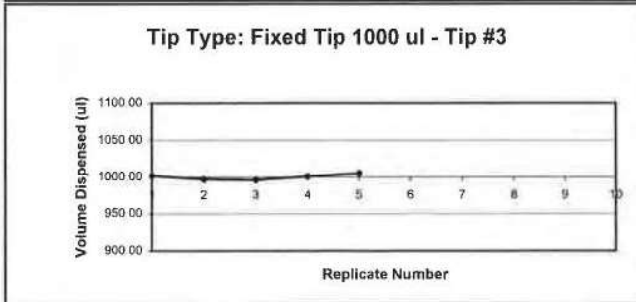
Tip # 1
Mean 997.10
Std. Dev. 2.81
% CV 0.28



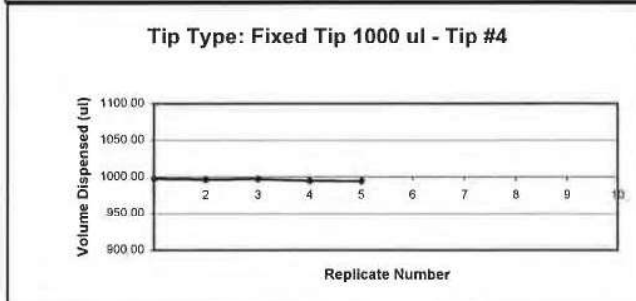
Tip # 2
Mean 995.01
Std. Dev. 1.53
% CV 0.15



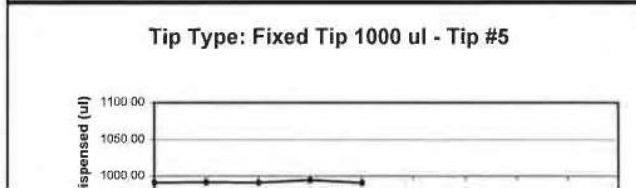
Tip # 3
Mean 1000.03
Std. Dev. 3.75
% CV 0.38



Tip # 4
Mean 995.98
Std. Dev. 1.35
% CV 0.14



Tip # 5
Mean 991.58



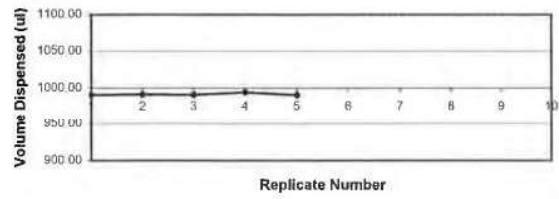
5	3	990.98	-0.60
5	4	994.19	2.61
5	5	990.38	-1.20
5	6		-991.58
5	7		-991.58
5	8		-991.58
5	9		-991.58
5	10		-991.58
6	1	995.09	0.14
6	2	994.69	-0.26
6	3	996.30	1.35
6	4	994.39	-0.56
6	5	994.29	-0.66
6	6		-994.95
6	7		-994.95
6	8		-994.95
6	9		-994.95
6	10		-994.95
7	1	995.49	-2.59
7	2	995.39	-2.69
7	3	1000.71	2.63
7	4	1000.11	2.03
7	5	998.70	0.62
7	6		-998.08
7	7		-998.08
7	8		-998.08
7	9		-998.08
7	10		-998.08
8	1	994.09	-0.96
8	2	995.39	0.34
8	3	994.39	-0.66
8	4	997.00	1.95
8	5	994.39	-0.66
8	6		-995.05
8	7		-995.05
8	8		-995.05
8	9		-995.05
8	10		-995.05

Std. Dev. 1.50
% CV 0.15

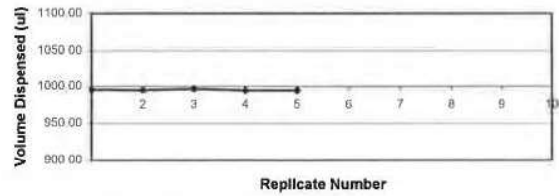
Tip # 6
Mean 994.95
Std. Dev. 0.82
% CV 0.08

Tip # 7
Mean 998.08
Std. Dev. 2.52
% CV 0.25

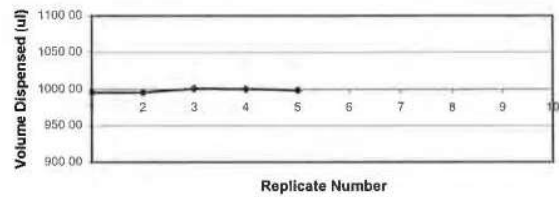
Tip # 8
Mean 995.05
Std. Dev. 1.19
% CV 0.12



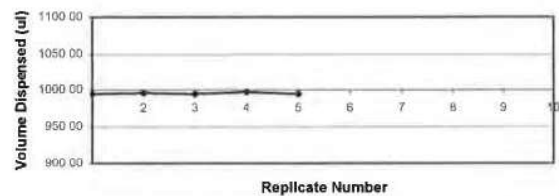
Tip Type: Fixed Tip 1000 ul - Tip #6



Tip Type: Fixed Tip 1000 ul - Tip #7



Tip Type: Fixed Tip 1000 ul - Tip #8



Comment: Water Blowout Fixed Tips_QHSS with Newslope & Offset at 1000uL (23.6) 08112007

- Calib. check - *Platform A*
New slope / offset
fixed tips

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/08/07
 Technician: GSL

Tip Type: Fixed Tip
 Disposable Tip Lot #: N/A
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

Across tips	
Mean	99.60
Std. Dev.	0.70
%CV	0.71
% Inaccuracy	0.4

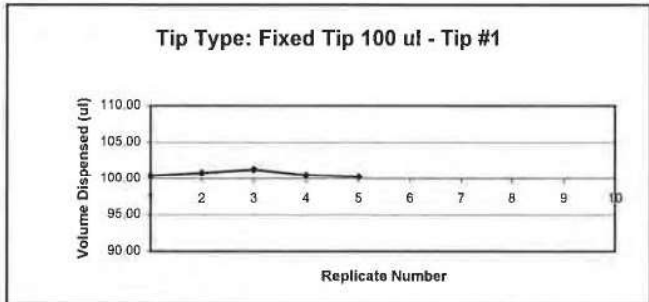
Performance File: WaterBlowout Fixed Tips_QHSS_08112007.prf
 Requested Volume (ul): 100

C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-0ul-Run1

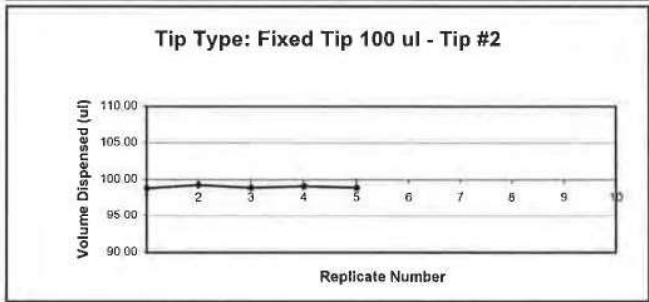
Tip # Repl # Dsp. Wt. # Std from Mean

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	100.36	-0.26
1	2	100.76	0.14
1	3	101.26	0.64
1	4	100.46	-0.16
1	5	100.26	-0.36
1	6		-100.62
1	7		-100.62
1	8		-100.62
1	9		-100.62
1	10		-100.62
2	1	98.76	-0.20
2	2	99.26	0.30
2	3	98.86	-0.10
2	4	99.06	0.10
2	5	98.86	-0.10
2	6		-98.96
2	7		-98.96
2	8		-98.96
2	9		-98.96
2	10		-98.96
3	1	99.36	-0.36
3	2	99.86	0.14
3	3	99.66	-0.06
3	4	99.56	-0.16
3	5	100.16	0.44
3	6		-99.72
3	7		-99.72
3	8		-99.72
3	9		-99.72
3	10		-99.72
4	1	99.26	-0.84
4	2	100.66	0.56
4	3	99.96	-0.14
4	4	100.16	0.06
4	5	100.46	0.36
4	6		-100.10
4	7		-100.10
4	8		-100.10
4	9		-100.10
4	10		-100.10
5	1	98.66	-0.34
5	2	99.76	0.76

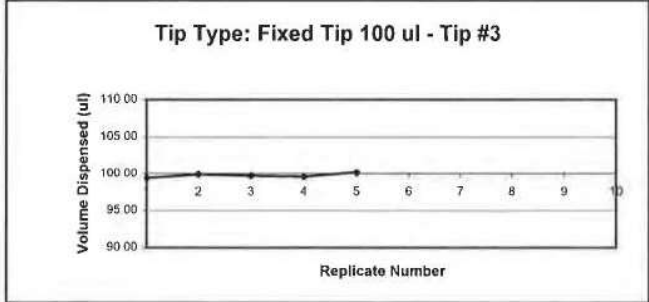
Tip # 1
 Mean 100.62
 Std. Dev. 0.40
 % CV 0.40



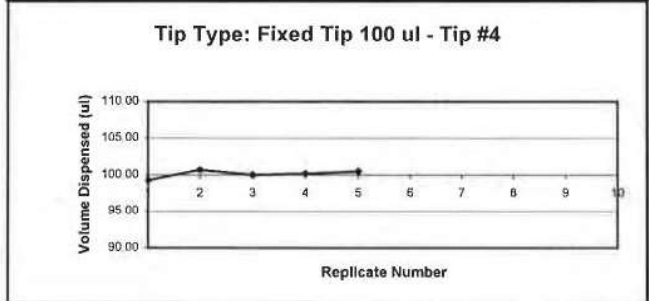
Tip # 2
 Mean 98.96
 Std. Dev. 0.20
 % CV 0.20



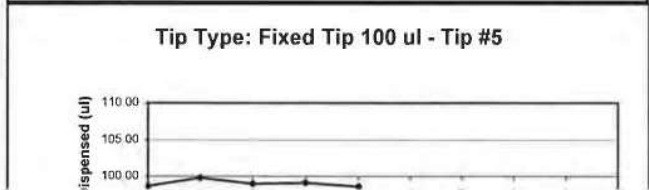
Tip # 3
 Mean 99.72
 Std. Dev. 0.30
 % CV 0.31



Tip # 4
 Mean 100.10
 Std. Dev. 0.54
 % CV 0.54



Tip # 5
 Mean 99.00



5	3	98.96	-0.04
5	4	99.06	0.06
5	5	98.56	-0.44
5	6		-99.00
5	7		-99.00
5	8		-99.00
5	9		-99.00
5	10		-99.00
6	1	99.46	-0.32
6	2	99.76	-0.02
6	3	100.36	0.58
6	4	99.56	-0.22
6	5	99.76	-0.02
6	6		-99.78
6	7		-99.78
6	8		-99.78
6	9		-99.78
6	10		-99.78
7	1	98.36	-0.50
7	2	98.76	-0.10
7	3	98.86	0.00
7	4	99.16	0.30
7	5	99.16	0.30
7	6		-98.86
7	7		-98.86
7	8		-98.86
7	9		-98.86
7	10		-98.86
8	1	99.26	-0.52
8	2	99.86	0.08
8	3	99.56	-0.22
8	4	99.36	-0.42
8	5	100.86	1.08
8	6		-99.78
8	7		-99.78
8	8		-99.78
8	9		-99.78
8	10		-99.78

Std. Dev. 0.47
% CV 0.48

Tip # 6

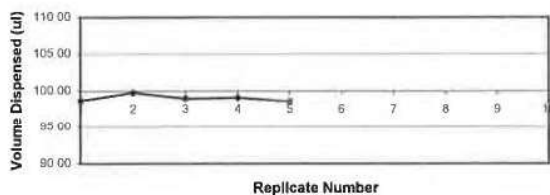
Mean 99.78
Std. Dev. 0.35
% CV 0.35

Tip # 7

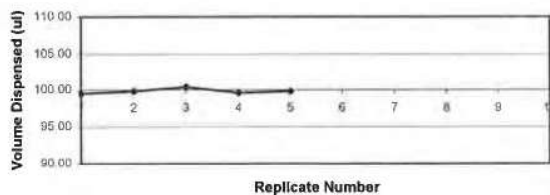
Mean 98.86
Std. Dev. 0.33
% CV 0.34

Tip # 8

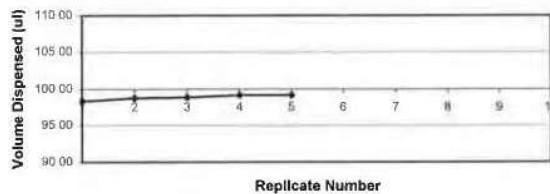
Mean 99.78
Std. Dev. 0.65
% CV 0.65



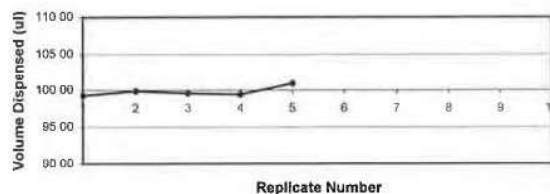
Tip Type: Fixed Tip 100 ul - Tip #6



Tip Type: Fixed Tip 100 ul - Tip #7



Tip Type: Fixed Tip 100 ul - Tip #8



Comment: Water Blowout Fixed Tips_QHSS with Newslope & Offset at 100uL (23.6) 08112007

Platform - A
175µL Non-Conductive tips

Balance Test Results

Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/13/07
 Technician: GSL

Tip Type: Other
 Disposable Tip Lot #: 06480029
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

Across tips	
Mean	12.99
Std. Dev.	0.30
%CV	2.27
% Inaccuracy	13.4

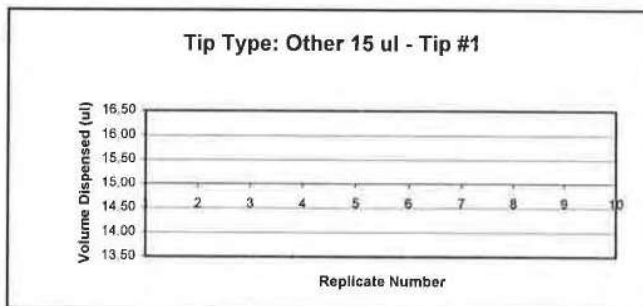
Performance File: WaterBlowout 175ul_DT_FW_QHSS.prf

Requested Volume (ul): 15

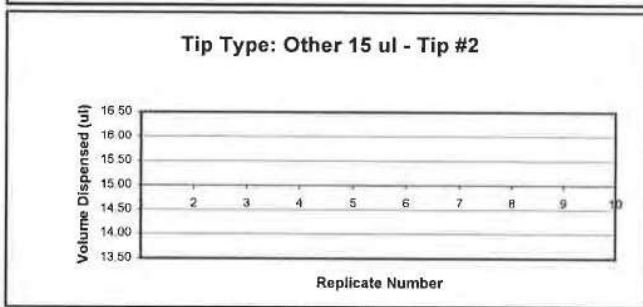
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-15ul-15ul-Run1

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	12.33	-0.30
1	2	12.83	0.20
1	3	12.23	-0.40
1	4	12.43	-0.20
1	5	12.43	-0.20
1	6	12.63	0.00
1	7	12.73	0.10
1	8	13.03	0.40
1	9	12.83	0.20
1	10	12.83	0.20
2	1	12.43	-0.41
2	2	12.53	-0.31
2	3	12.63	-0.21
2	4	12.73	-0.11
2	5	12.73	-0.11
2	6	12.83	-0.01
2	7	13.03	0.19
2	8	13.23	0.39
2	9	13.23	0.39
2	10	13.03	0.19
3	1	12.73	-0.10
3	2	12.73	-0.10
3	3	12.73	-0.10
3	4	12.73	-0.10
3	5	12.73	-0.10
3	6	12.83	0.00
3	7	12.93	0.10
3	8	12.93	0.10
3	9	13.03	0.20
3	10	12.93	0.10
4	1	13.03	-0.12
4	2	12.93	-0.22
4	3	13.13	-0.02
4	4	12.93	-0.22
4	5	12.73	-0.42
4	6	13.54	0.39
4	7	13.23	0.08
4	8	13.54	0.39
4	9	13.23	0.08
4	10	13.23	0.08
5	1	12.73	-0.19
5	2	12.93	0.01

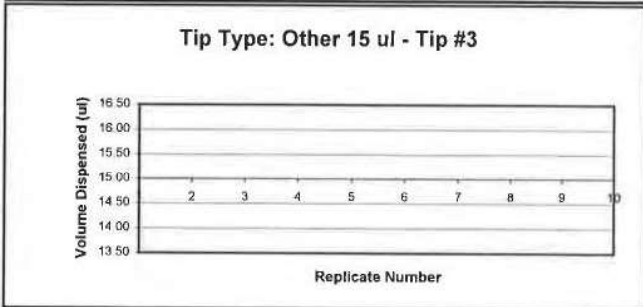
Tip # 1
 Mean 12.63
 Std. Dev. 0.26
 % CV 2.08



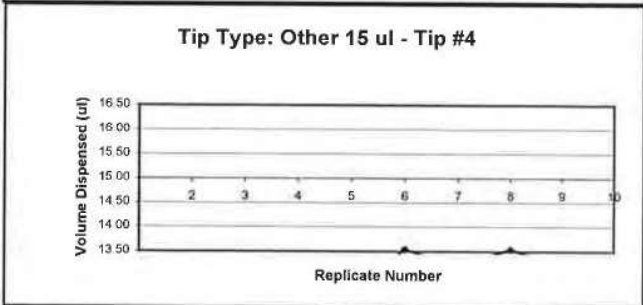
Tip # 2
 Mean 12.84
 Std. Dev. 0.28
 % CV 2.19



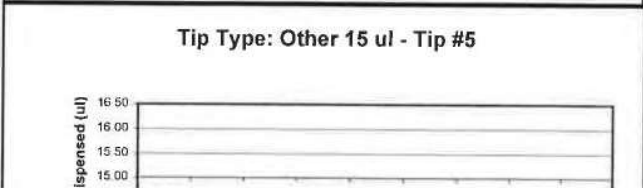
Tip # 3
 Mean 12.83
 Std. Dev. 0.12
 % CV 0.90



Tip # 4
 Mean 13.15
 Std. Dev. 0.26
 % CV 1.98



Tip # 5
 Mean 12.92



5	3	12.93	0.01
5	4	12.83	-0.09
5	5	12.63	-0.29
5	6	13.13	0.21
5	7	13.13	0.21
5	8	13.13	0.21
5	9	13.03	0.11
5	10	12.73	-0.19
6	1	13.13	-0.17
6	2	13.13	-0.17
6	3	13.33	0.03
6	4	13.13	-0.17
6	5	13.13	-0.17
6	6	13.54	0.24
6	7	13.23	-0.07
6	8	13.33	0.03
6	9	13.44	0.14
6	10	13.64	0.34
7	1	12.83	-0.34
7	2	13.23	0.06
7	3	13.13	-0.04
7	4	13.03	-0.14
7	5	12.93	-0.24
7	6	13.33	0.16
7	7	13.44	0.27
7	8	13.13	-0.04
7	9	13.44	0.27
7	10	13.23	0.06
8	1	12.73	-0.33
8	2	12.73	-0.33
8	3	13.03	-0.03
8	4	12.93	-0.13
8	5	13.13	0.07
8	6	13.13	0.07
8	7	13.23	0.17
8	8	13.33	0.27
8	9	13.23	0.17
8	10	13.13	0.07

Std. Dev. 0.19
% CV 1.43

Tip # 6

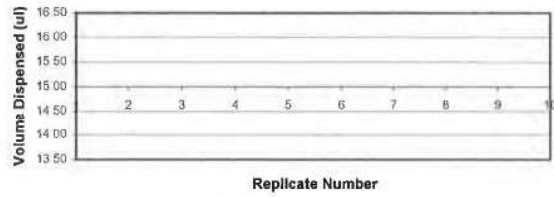
Mean 13.30
Std. Dev. 0.19
% CV 1.41

Tip # 7

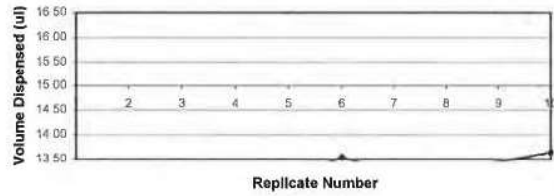
Mean 13.17
Std. Dev. 0.20
% CV 1.55

Tip # 8

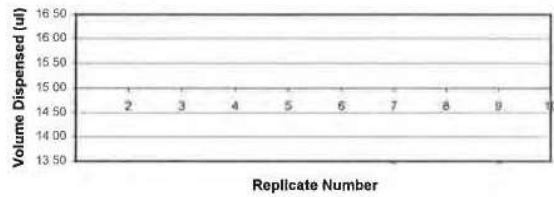
Mean 13.06
Std. Dev. 0.21
% CV 1.58



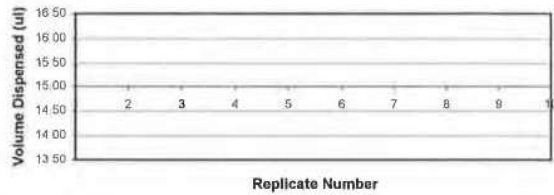
Tip Type: Other 15 ul - Tip #6



Tip Type: Other 15 ul - Tip #7



Tip Type: Other 15 ul - Tip #8



Comment: WaterBlowout 175ul DT_FW_QHSS cal. @ 15uL (23.6) 13112007

Platform - A
175µL Non Conductive tips

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/13/07
 Technician: GSL

Tip Type: Other
 Disposable Tip Lot #: 06480029
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

Across tips	
Mean	46.74
Std. Dev.	0.28
%CV	0.60
% Inaccuracy	6.5

Performance File: WaterBlowout 175uL DT_FW_QHSS.prf

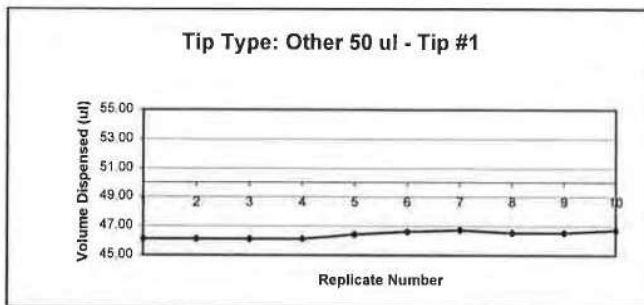
Requested Volume (ul): 50

C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-50ul-50ul-Run1

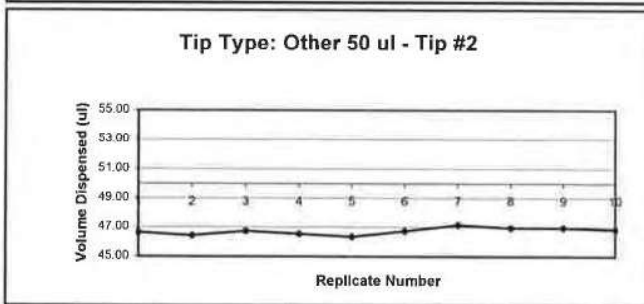
Tip # Repl # Dsp. Wt. # Std from Mean

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	46.12	-0.28
1	2	46.12	-0.28
1	3	46.12	-0.28
1	4	46.12	-0.28
1	5	46.42	0.02
1	6	46.62	0.22
1	7	46.72	0.32
1	8	46.52	0.12
1	9	46.52	0.12
1	10	46.72	0.32
2	1	46.62	-0.09
2	2	46.42	-0.29
2	3	46.72	0.01
2	4	46.52	-0.19
2	5	46.32	-0.39
2	6	46.72	0.01
2	7	47.12	0.41
2	8	46.92	0.21
2	9	46.92	0.21
2	10	46.82	0.11
3	1	46.62	-0.07
3	2	46.32	-0.37
3	3	46.42	-0.27
3	4	46.42	-0.27
3	5	46.62	-0.07
3	6	46.92	0.23
3	7	46.82	0.13
3	8	46.92	0.23
3	9	46.92	0.23
3	10	46.92	0.23
4	1	46.72	-0.11
4	2	46.72	-0.11
4	3	46.62	-0.21
4	4	46.62	-0.21
4	5	46.52	-0.31
4	6	47.02	0.19
4	7	46.92	0.09
4	8	47.32	0.49
4	9	46.92	0.09
4	10	46.92	0.09
5	1	46.22	-0.56
5	2	46.82	0.04

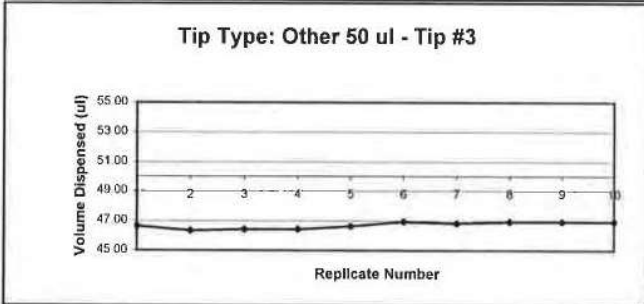
Tip # 1
 Mean 46.40
 Std. Dev. 0.26
 % CV 0.55



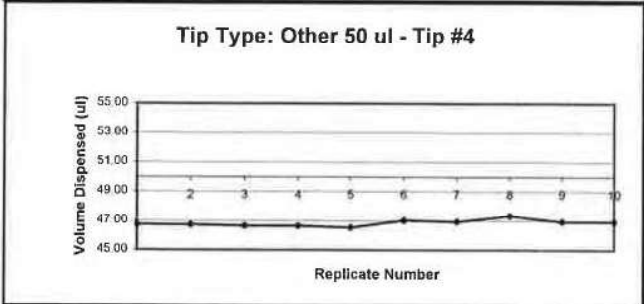
Tip # 2
 Mean 46.71
 Std. Dev. 0.25
 % CV 0.53



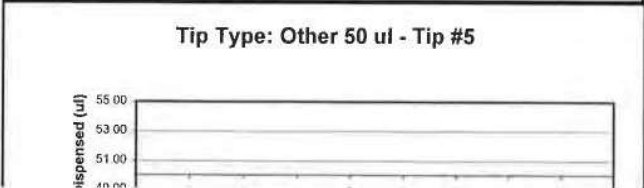
Tip # 3
 Mean 46.69
 Std. Dev. 0.24
 % CV 0.52



Tip # 4
 Mean 46.83
 Std. Dev. 0.24
 % CV 0.51



Tip # 5
 Mean 46.78



5	3	46.62	-0.16
5	4	47.02	0.24
5	5	46.32	-0.46
5	6	47.42	0.64
5	7	46.72	-0.06
5	8	46.92	0.14
5	9	47.02	0.24
5	10	46.72	-0.06
6	1	46.92	-0.11
6	2	46.92	-0.11
6	3	46.72	-0.31
6	4	46.72	-0.31
6	5	47.22	0.19
6	6	47.02	-0.01
6	7	47.12	0.09
6	8	47.32	0.29
6	9	47.22	0.19
6	10	47.12	0.09
7	1	46.52	-0.29
7	2	46.92	0.11
7	3	46.72	-0.09
7	4	46.72	-0.09
7	5	46.62	-0.19
7	6	46.92	0.11
7	7	46.92	0.11
7	8	46.92	0.11
7	9	46.92	0.11
7	10	46.92	0.11
8	1	46.52	-0.17
8	2	46.52	-0.17
8	3	46.62	-0.07
8	4	46.62	-0.07
8	5	46.72	0.03
8	6	46.72	0.03
8	7	46.82	0.13
8	8	46.72	0.03
8	9	47.02	0.33
8	10	46.62	-0.07

Std. Dev. 0.35
% CV 0.75

Tip # 6

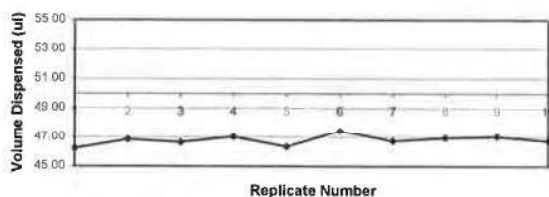
Mean 47.03
Std. Dev. 0.21
% CV 0.44

Tip # 7

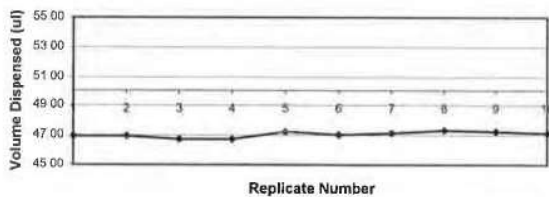
Mean 46.81
Std. Dev. 0.15
% CV 0.33

Tip # 8

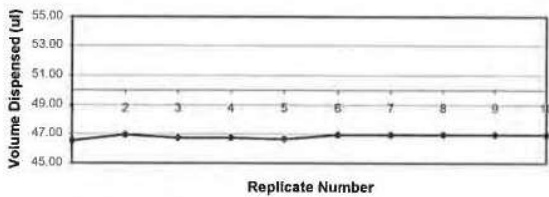
Mean 46.69
Std. Dev. 0.15
% CV 0.32



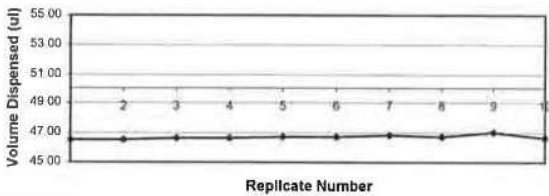
Tip Type: Other 50 ul - Tip #6



Tip Type: Other 50 ul - Tip #7



Tip Type: Other 50 ul - Tip #8



Comment: WaterBlowout 175ul DT_FW_QHSS cal. @ 50uL (23.6) 13112007

Platform - A
170ul Non Conductive tips

Balance Test Results

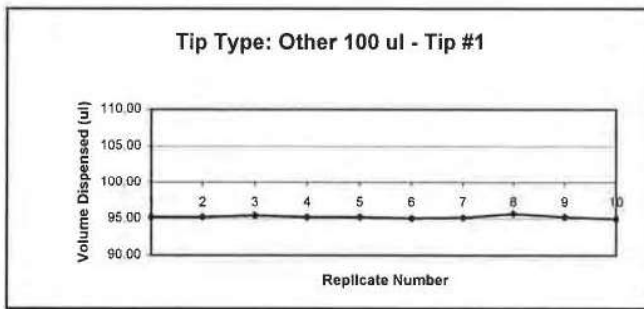
Model: MPlI HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/12/07
 Technician: GSL
 Performance File: WaterBlowout 175ul DT_FW_QHSS.pf
 Requested Volume (ul): 100

Tip Type: Other
 Disposable Tip Lot #: 06480029
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water
 C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-100ul-Run4

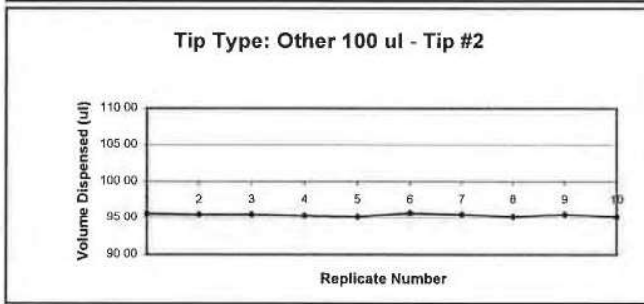
Across tips	
Mean	95.41
Std. Dev.	0.18
%CV	0.19
% Inaccuracy	4.6

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	95.25	0.00
1	2	95.25	0.00
1	3	95.45	0.20
1	4	95.25	0.00
1	5	95.25	0.00
1	6	95.05	-0.20
1	7	95.15	-0.10
1	8	95.65	0.40
1	9	95.25	0.00
1	10	94.95	-0.30
2	1	95.55	0.18
2	2	95.45	0.08
2	3	95.45	0.08
2	4	95.25	-0.12
2	5	95.15	-0.22
2	6	95.65	0.28
2	7	95.45	0.08
2	8	95.15	-0.22
2	9	95.45	0.08
2	10	95.15	-0.22
3	1	95.75	0.28
3	2	95.65	0.18
3	3	95.45	-0.02
3	4	95.35	-0.12
3	5	95.35	-0.12
3	6	95.55	0.08
3	7	95.45	-0.02
3	8	95.25	-0.22
3	9	95.35	-0.12
3	10	95.55	0.08
4	1	95.65	0.18
4	2	95.45	-0.02
4	3	95.35	-0.12
4	4	95.55	0.08
4	5	95.35	-0.12
4	6	95.55	0.08
4	7	95.45	-0.02
4	8	95.45	-0.02
4	9	95.55	0.08
4	10	95.35	-0.12
5	1	95.35	0.01
5	2	95.35	0.01

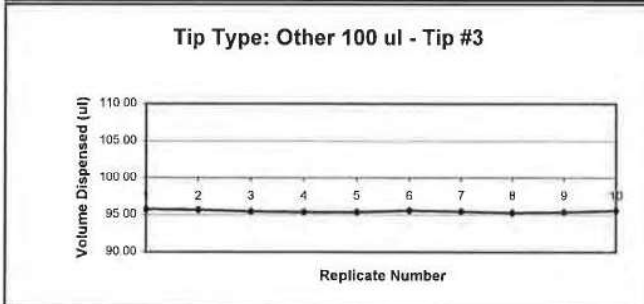
Tip # 1
 Mean 95.25
 Std. Dev. 0.19
 % CV 0.20



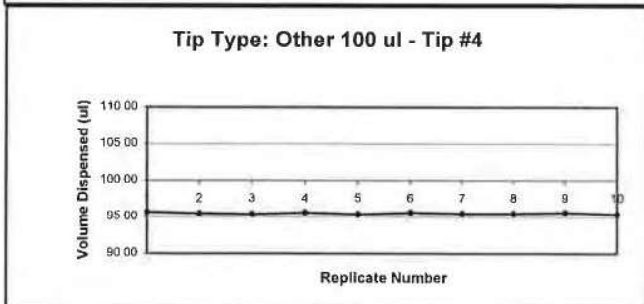
Tip # 2
 Mean 95.37
 Std. Dev. 0.18
 % CV 0.19



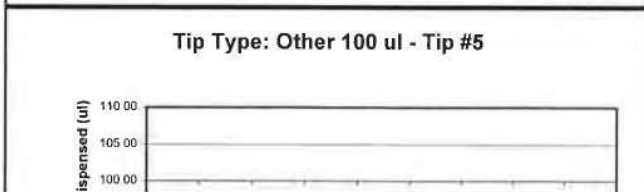
Tip # 3
 Mean 95.47
 Std. Dev. 0.15
 % CV 0.16



Tip # 4
 Mean 95.47
 Std. Dev. 0.10
 % CV 0.11



Tip # 5
 Mean 95.34



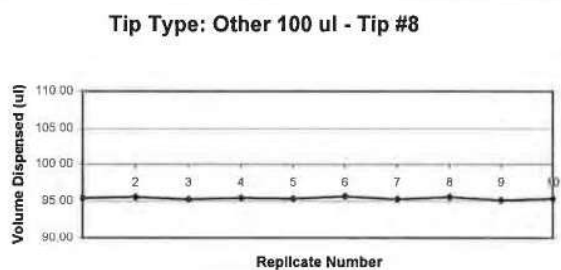
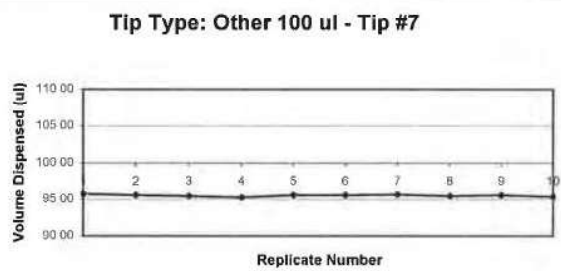
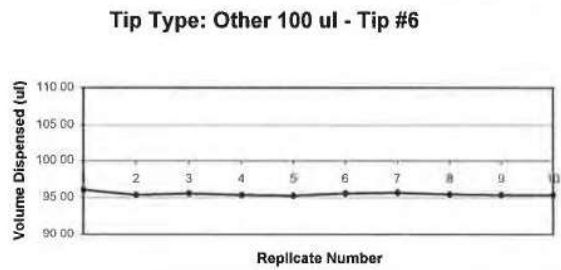
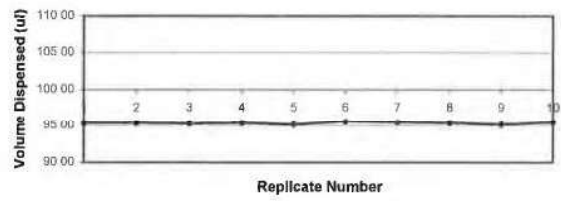
5	3	95.25	-0.09
5	4	95.35	0.01
5	5	95.15	-0.19
5	6	95.55	0.21
5	7	95.45	0.11
5	8	95.35	0.01
5	9	95.15	-0.19
5	10	95.45	0.11
6	1	96.05	0.56
6	2	95.35	-0.14
6	3	95.55	0.06
6	4	95.35	-0.14
6	5	95.25	-0.24
6	6	95.55	0.06
6	7	95.65	0.16
6	8	95.45	-0.04
6	9	95.35	-0.14
6	10	95.35	-0.14
7	1	95.75	0.24
7	2	95.55	0.04
7	3	95.45	-0.06
7	4	95.25	-0.26
7	5	95.55	0.04
7	6	95.55	0.04
7	7	95.65	0.14
7	8	95.45	-0.06
7	9	95.55	0.04
7	10	95.35	-0.16
8	1	95.45	0.05
8	2	95.55	0.15
8	3	95.25	-0.15
8	4	95.45	0.05
8	5	95.35	-0.05
8	6	95.65	0.25
8	7	95.25	-0.15
8	8	95.55	0.15
8	9	95.15	-0.25
8	10	95.35	-0.05

Std. Dev. 0.13
% CV 0.13

Tip # 6
Mean 95.49
Std. Dev. 0.23
% CV 0.24

Tip # 7
Mean 95.51
Std. Dev. 0.14
% CV 0.15

Tip # 8
Mean 95.40
Std. Dev. 0.16
% CV 0.17



Comment: WaterBlowout 175ul DT_FW_QHSS @ 100uL (23.6) 12112007

Platform A
175ul Non conductive tips

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/12/07
 Technician: GSL
 Performance File: WaterBlowout 175ul_DT_FW_QHSS.prf
 Requested Volume (ul): 175

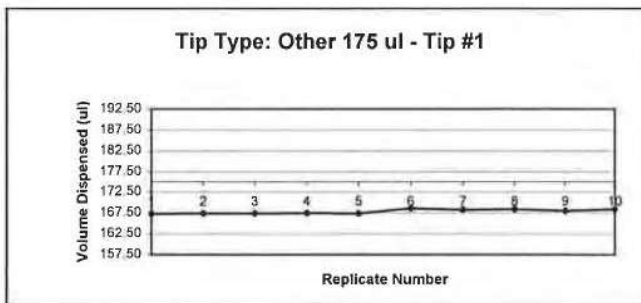
Tip Type: Other
 Disposable Tip Lot #: 06480029
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

Across tips	
Mean	168.42
Std. Dev.	0.52
%CV	0.31
% Inaccuracy	3.8

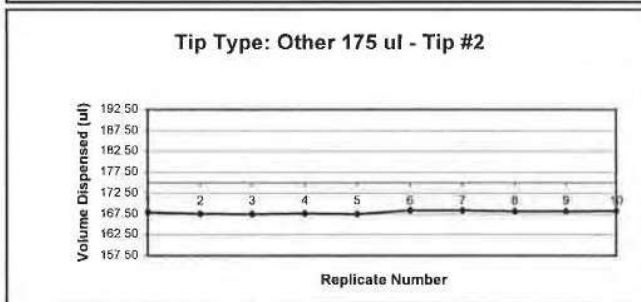
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-175ul-175ul-Run1

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	167.24	-0.56
1	2	167.34	-0.46
1	3	167.34	-0.46
1	4	167.44	-0.36
1	5	167.34	-0.46
1	6	168.54	0.74
1	7	168.14	0.34
1	8	168.34	0.54
1	9	167.94	0.14
1	10	168.34	0.54
2	1	167.94	0.02
2	2	167.54	-0.38
2	3	167.44	-0.48
2	4	167.64	-0.28
2	5	167.44	-0.48
2	6	168.34	0.42
2	7	168.34	0.42
2	8	168.14	0.22
2	9	168.14	0.22
2	10	168.24	0.32
3	1	167.84	-0.48
3	2	168.34	0.02
3	3	168.04	-0.28
3	4	167.94	-0.38
3	5	168.04	-0.28
3	6	168.84	0.52
3	7	168.54	0.22
3	8	168.54	0.22
3	9	168.64	0.32
3	10	168.44	0.12
4	1	168.34	-0.21
4	2	168.44	-0.11
4	3	167.94	-0.61
4	4	168.04	-0.51
4	5	168.04	-0.51
4	6	169.14	0.59
4	7	169.04	0.49
4	8	168.84	0.29
4	9	168.94	0.39
4	10	168.74	0.19
5	1	168.24	-0.27
5	2	167.94	-0.57

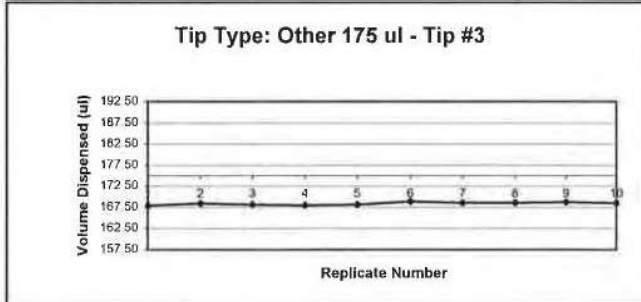
Tip # 1
 Mean 167.80
 Std. Dev. 0.51
 % CV 0.30



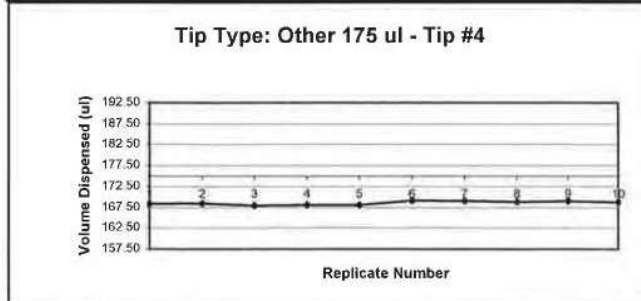
Tip # 2
 Mean 167.92
 Std. Dev. 0.37
 % CV 0.22



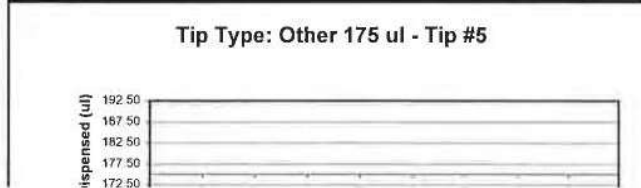
Tip # 3
 Mean 168.32
 Std. Dev. 0.34
 % CV 0.20



Tip # 4
 Mean 168.55
 Std. Dev. 0.45
 % CV 0.27



Tip # 5
 Mean 168.51



5	3	168.04	-0.47
5	4	168.24	-0.27
5	5	168.44	-0.07
5	6	168.94	0.43
5	7	168.74	0.23
5	8	168.64	0.13
5	9	168.94	0.43
5	10	168.94	0.43
6	1	168.44	-0.14
6	2	168.24	-0.34
6	3	168.24	-0.34
6	4	168.14	-0.44
6	5	168.34	-0.24
6	6	168.84	0.26
6	7	169.24	0.66
6	8	168.84	0.26
6	9	168.74	0.16
6	10	168.74	0.16
7	1	168.94	-0.07
7	2	168.94	-0.07
7	3	168.74	-0.27
7	4	168.74	-0.27
7	5	168.74	-0.27
7	6	169.34	0.33
7	7	169.54	0.53
7	8	169.14	0.13
7	9	169.04	0.03
7	10	168.94	-0.07
8	1	168.74	0.06
8	2	168.44	-0.24
8	3	168.74	0.06
8	4	168.44	-0.24
8	5	168.44	-0.24
8	6	169.04	0.36
8	7	168.94	0.26
8	8	168.64	-0.04
8	9	168.74	0.06
8	10	168.64	-0.04

Std. Dev. 0.38
% CV 0.23

Tip # 6

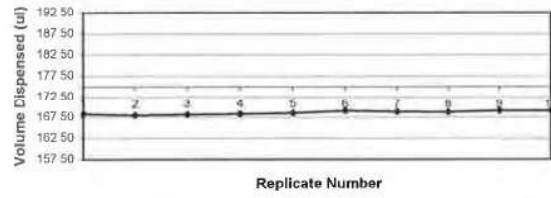
Mean 168.58
Std. Dev. 0.35
% CV 0.21

Tip # 7

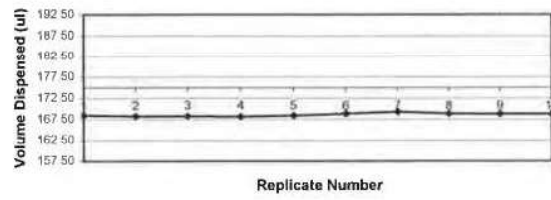
Mean 169.01
Std. Dev. 0.27
% CV 0.16

Tip # 8

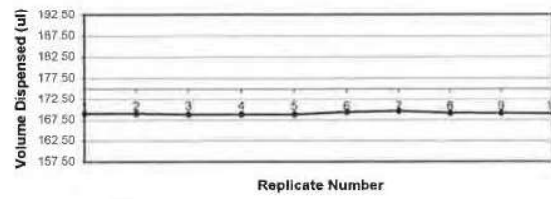
Mean 168.68
Std. Dev. 0.21
% CV 0.12



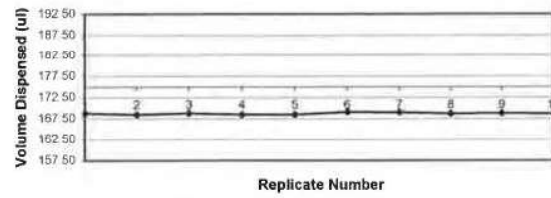
Tip Type: Other 175 ul - Tip #6



Tip Type: Other 175 ul - Tip #7



Tip Type: Other 175 ul - Tip #8

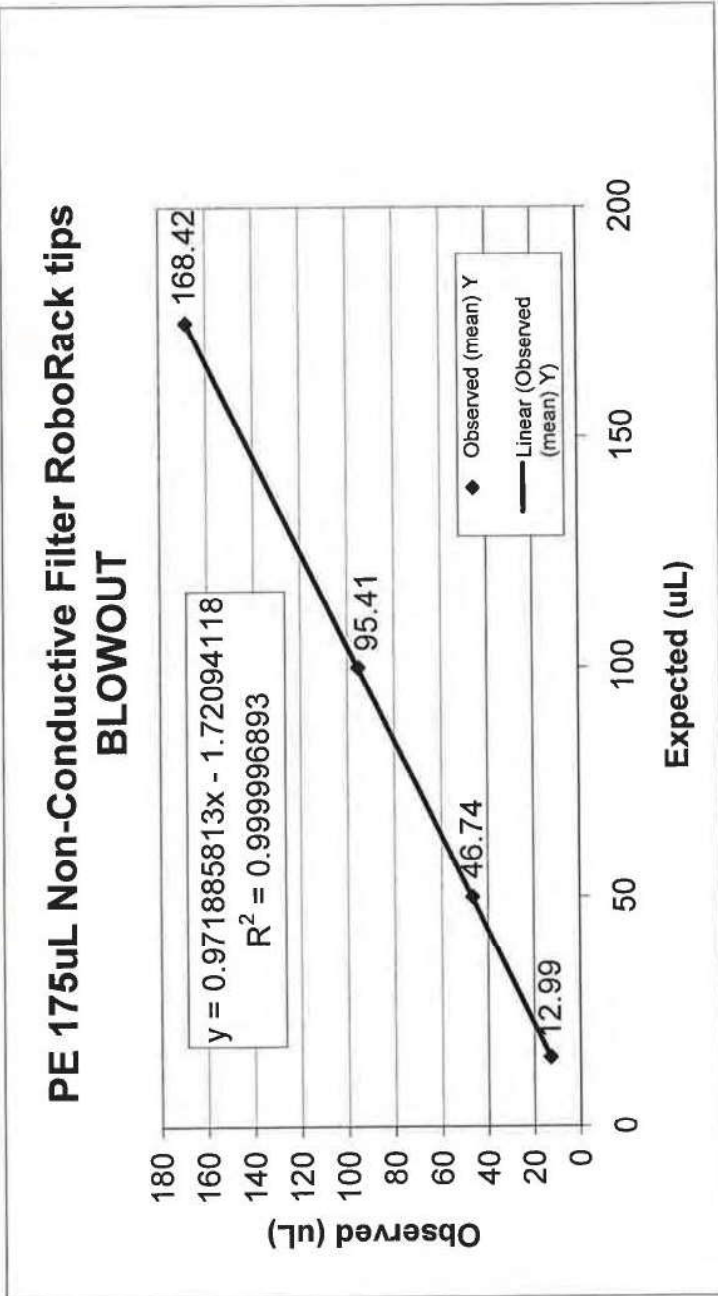


Comment: WaterBlowout 175ul DT_FW_QHSS @ 175uL (23.6) 12112007

Gravimetric Assessment Extraction Platform_A 175uL Non-Conductive Filter RoboRack tips - BLOWOUT_mode 13112007

Expected X	Observed (mean) Y
175	168.42
100	95.41
50	46.74
15	12.99

Slope 0.971885813
 Offset -1.720294118
 R2 0.999996893



Colib, check.

*Platform - A
New Slope / offset
175ul Non - conductive*

Balance Test Results

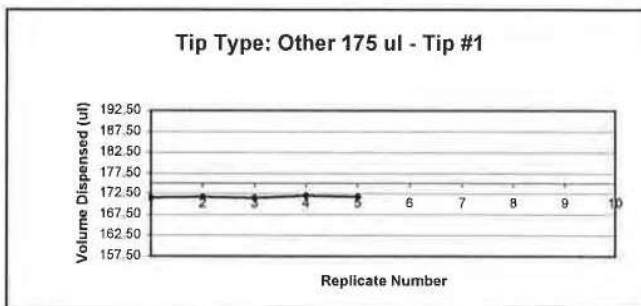
Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 11/13/07
Technician: GSL
Performance File: WaterBlowout 175ul_DT_FW_QHSS13112007.prf
Requested Volume (ul): 175

Tip Type: Other
Disposable Tip Lot #: 06480029
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.997394
System Liquid: Nano Pure Water
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-175ul-50ul-Run1

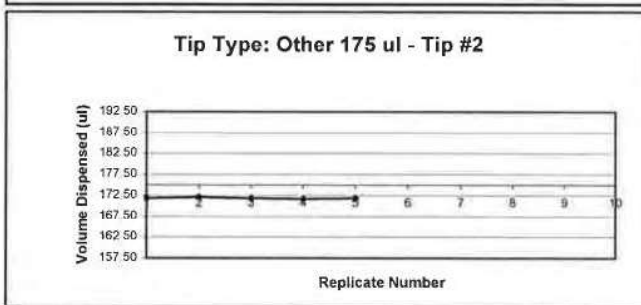
Across tips	
Mean	172.26
Std. Dev.	0.36
%CV	0.21
% Inaccuracy	1.6

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	171.55	-0.12
1	2	171.65	-0.02
1	3	171.45	-0.22
1	4	171.95	0.28
1	5	171.75	0.08
1	6		-171.67
1	7		-171.67
1	8		-171.67
1	9		-171.67
1	10		-171.67
2	1	171.85	0.00
2	2	172.05	0.20
2	3	171.85	0.00
2	4	171.65	-0.20
2	5	171.85	0.00
2	6		-171.85
2	7		-171.85
2	8		-171.85
2	9		-171.85
2	10		-171.85
3	1	172.35	0.14
3	2	172.25	0.04
3	3	172.15	-0.06
3	4	172.15	-0.06
3	5	172.15	-0.06
3	6		-172.21
3	7		-172.21
3	8		-172.21
3	9		-172.21
3	10		-172.21
4	1	172.25	-0.04
4	2	172.45	0.16
4	3	172.25	-0.04
4	4	172.35	0.06
4	5	172.15	-0.14
4	6		-172.29
4	7		-172.29
4	8		-172.29
4	9		-172.29
4	10		-172.29
5	1	172.35	0.00
5	2	172.45	0.10

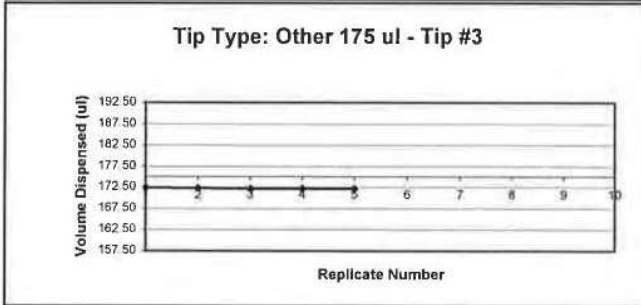
Tip # 1
Mean 171.67
Std. Dev. 0.19
% CV 0.11



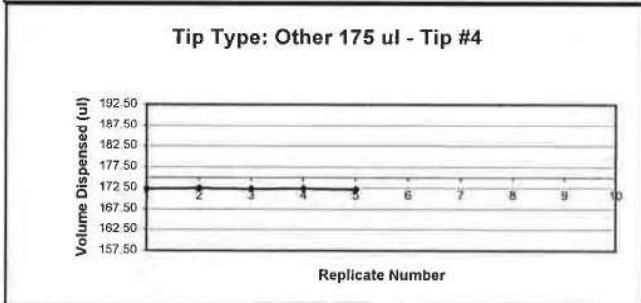
Tip # 2
Mean 171.85
Std. Dev. 0.14
% CV 0.08



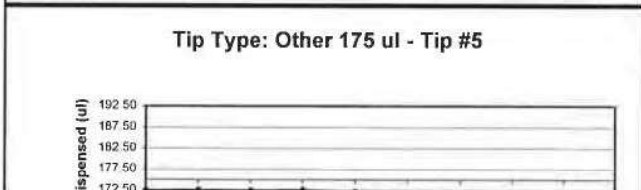
Tip # 3
Mean 172.21
Std. Dev. 0.09
% CV 0.05



Tip # 4
Mean 172.29
Std. Dev. 0.11
% CV 0.07



Tip # 5
Mean 172.35



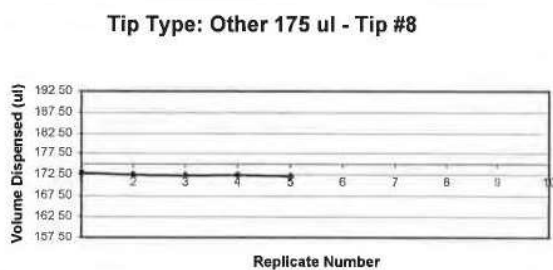
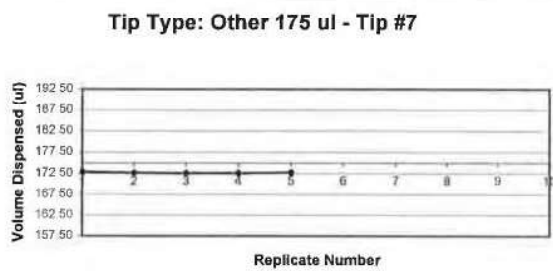
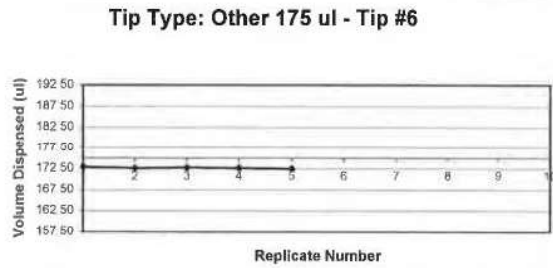
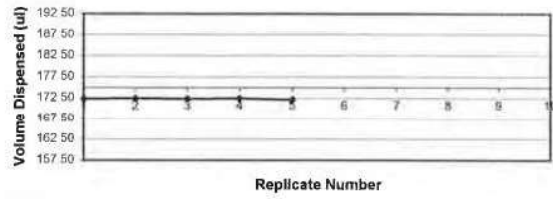
5	3	172.35	0.00
5	4	172.45	0.10
5	5	172.15	-0.20
5	6		-172.35
5	7		-172.35
5	8		-172.35
5	9		-172.35
5	10		-172.35
6	1	172.85	0.22
6	2	172.55	-0.08
6	3	172.75	0.12
6	4	172.55	-0.08
6	5	172.45	-0.18
6	6		-172.63
6	7		-172.63
6	8		-172.63
6	9		-172.63
6	10		-172.63
7	1	172.85	0.18
7	2	172.65	-0.02
7	3	172.55	-0.12
7	4	172.55	-0.12
7	5	172.75	0.08
7	6		-172.67
7	7		-172.67
7	8		-172.67
7	9		-172.67
7	10		-172.67
8	1	172.85	0.44
8	2	172.45	0.04
8	3	172.25	-0.16
8	4	172.35	-0.06
8	5	172.15	-0.26
8	6		-172.41
8	7		-172.41
8	8		-172.41
8	9		-172.41
8	10		-172.41

Std. Dev. 0.12
% CV 0.07

Tip # 6
Mean 172.63
Std. Dev. 0.16
% CV 0.10

Tip # 7
Mean 172.67
Std. Dev. 0.13
% CV 0.08

Tip # 8
Mean 172.41
Std. Dev. 0.27
% CV 0.16



Comment: WaterBlowout 175ul DT_FW_QHSS Newslope&Offset @ 175&50ul (23.6) 13112007

Colis check

*Platform - A
New slope/offset
175ul Non - conductive tips*

Balance Test Results

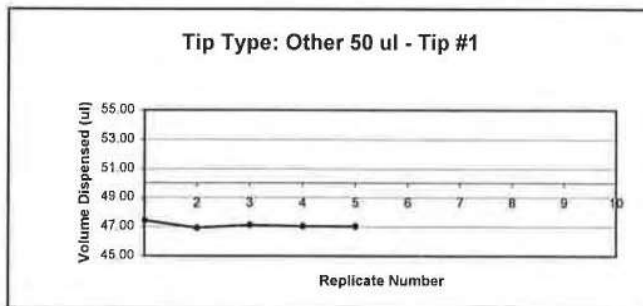
Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 11/13/07
Technician: GSL
Performance File: WaterBlowout 175ul_DT_FW_QHSS13112007.prf
Requested Volume (ul): 50

Tip Type: Other
Disposable Tip Lot #: 06480029
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.997394
System Liquid: Nano Pure Water
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-175ul-50ul-Run1

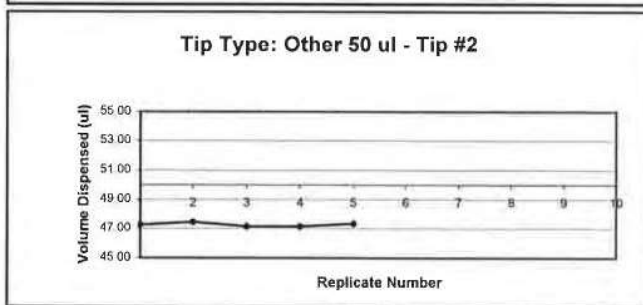
Across tips	
Mean	47.27
Std. Dev.	0.19
%CV	0.41
% Inaccuracy	5.5

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	47.42	0.32
1	2	46.92	-0.18
1	3	47.12	0.02
1	4	47.02	-0.08
1	5	47.02	-0.08
1	6		-47.10
1	7		-47.10
1	8		-47.10
1	9		-47.10
1	10		-47.10
2	1	47.22	-0.02
2	2	47.42	0.18
2	3	47.12	-0.12
2	4	47.12	-0.12
2	5	47.32	0.08
2	6		-47.24
2	7		-47.24
2	8		-47.24
2	9		-47.24
2	10		-47.24
3	1	47.32	0.06
3	2	47.42	0.16
3	3	47.12	-0.14
3	4	47.32	0.06
3	5	47.12	-0.14
3	6		-47.26
3	7		-47.26
3	8		-47.26
3	9		-47.26
3	10		-47.26
4	1	47.42	0.14
4	2	47.32	0.04
4	3	47.02	-0.26
4	4	47.42	0.14
4	5	47.22	-0.06
4	6		-47.28
4	7		-47.28
4	8		-47.28
4	9		-47.28
4	10		-47.28
5	1	47.12	-0.22
5	2	47.72	0.38

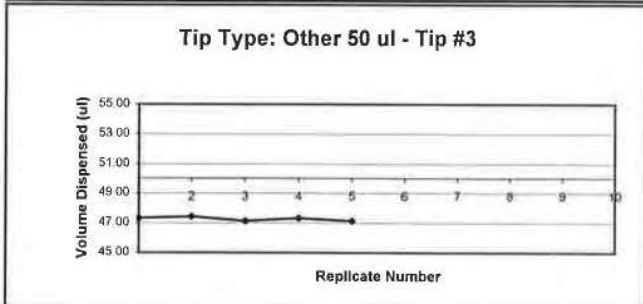
Tip # 1
Mean 47.10
Std. Dev. 0.19
% CV 0.41



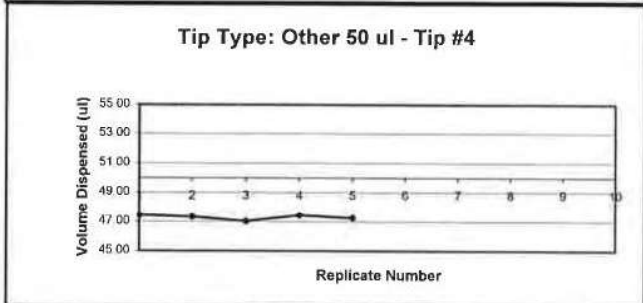
Tip # 2
Mean 47.24
Std. Dev. 0.13
% CV 0.28



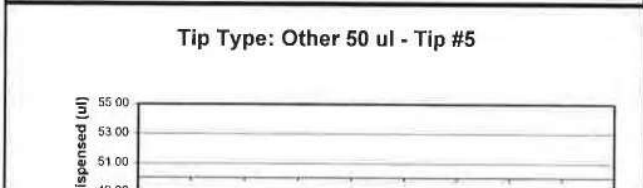
Tip # 3
Mean 47.26
Std. Dev. 0.13
% CV 0.28



Tip # 4
Mean 47.28
Std. Dev. 0.17
% CV 0.35



Tip # 5
Mean 47.34



5	3	47.32	-0.02
5	4	47.52	0.18
5	5	47.02	-0.32
5	6		-47.34
5	7		-47.34
5	8		-47.34
5	9		-47.34
5	10		-47.34
6	1	47.32	-0.14
6	2	47.52	0.06
6	3	47.32	-0.14
6	4	47.42	-0.04
6	5	47.72	0.26
6	6		-47.46
6	7		-47.46
6	8		-47.46
6	9		-47.46
6	10		-47.46
7	1	47.02	-0.20
7	2	47.22	0.00
7	3	47.32	0.10
7	4	47.42	0.20
7	5	47.12	-0.10
7	6		-47.22
7	7		-47.22
7	8		-47.22
7	9		-47.22
7	10		-47.22
8	1	47.32	0.08
8	2	47.52	0.28
8	3	47.12	-0.12
8	4	47.22	-0.02
8	5	47.02	-0.22
8	6		-47.24
8	7		-47.24
8	8		-47.24
8	9		-47.24
8	10		-47.24

Std. Dev. 0.29
% CV 0.60

Tip # 6

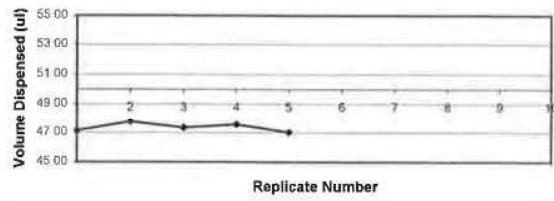
Mean 47.46
Std. Dev. 0.17
% CV 0.35

Tip # 7

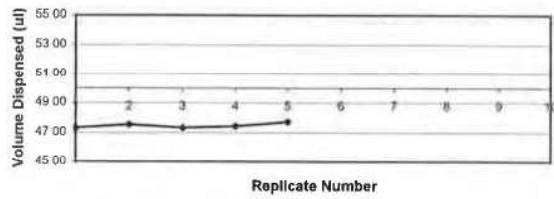
Mean 47.22
Std. Dev. 0.16
% CV 0.33

Tip # 8

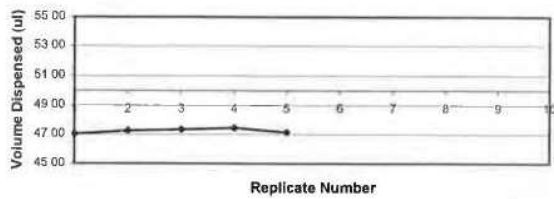
Mean 47.24
Std. Dev. 0.19
% CV 0.41



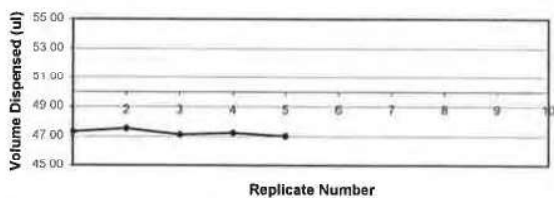
Tip Type: Other 50 ul - Tip #6



Tip Type: Other 50 ul - Tip #7



Tip Type: Other 50 ul - Tip #8



Comment: WaterBlowout 175ul DT_FW_QHSS Newslope&Offset @ 175&50ul (23.6) 13112007

Colib duede

Platform A
Non-conductive tips
 New slope / offset

Balance Test Results

Model: MPlI HT EX
 Serial Number: DG1005
 WinPrep Version: 1,22.0252
 Date: 11/13/07
 Technician: GSL

Tip Type: Other
 Disposable Tip Lot #: 06480029
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

Across tips	
Mean	12.47
Std. Dev.	0.42
%CV	3.38
% Inaccuracy	16.9

Performance File: WaterBlowout 175ul_DT_FW_QHSS13112007.prf

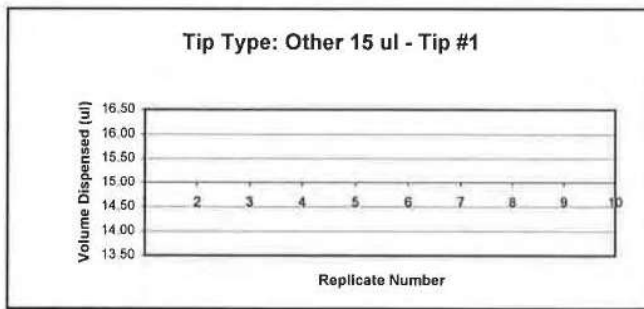
Requested Volume (ul):

15

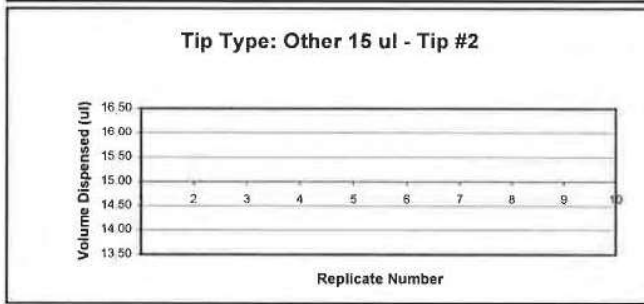
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-15ul-0ul-Run1

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	11.63	-0.14
1	2	11.73	-0.04
1	3	11.73	-0.04
1	4	11.73	-0.04
1	5	12.03	0.26
1	6		-11.77
1	7		-11.77
1	8		-11.77
1	9		-11.77
1	10		-11.77
2	1	11.93	-0.18
2	2	12.13	0.02
2	3	12.33	0.22
2	4	12.13	0.02
2	5	12.03	-0.08
2	6		-12.11
2	7		-12.11
2	8		-12.11
2	9		-12.11
2	10		-12.11
3	1	12.03	-0.22
3	2	12.33	0.08
3	3	12.33	0.08
3	4	12.23	-0.02
3	5	12.33	0.08
3	6		-12.25
3	7		-12.25
3	8		-12.25
3	9		-12.25
3	10		-12.25
4	1	13.64	0.79
4	2	12.73	-0.12
4	3	12.53	-0.32
4	4	12.63	-0.22
4	5	12.73	-0.12
4	6		-12.85
4	7		-12.85
4	8		-12.85
4	9		-12.85
4	10		-12.85
5	1	12.23	-0.42
5	2	12.83	0.18

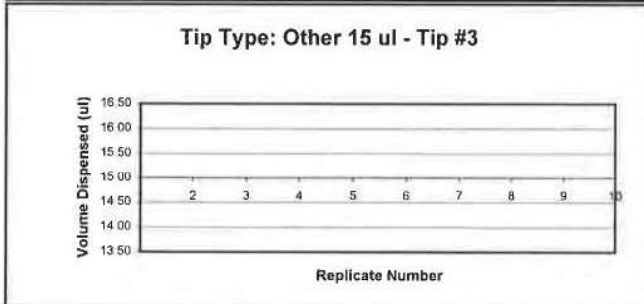
Tip # 1
 Mean 11.77
 Std. Dev. 0.15
 % CV 1.29



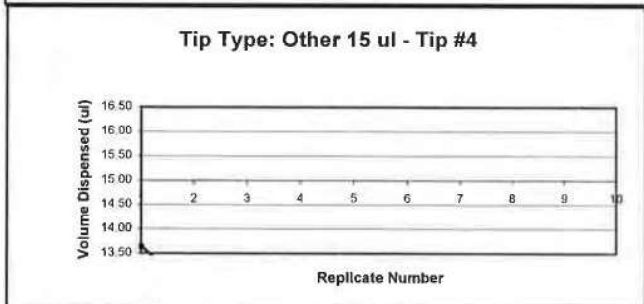
Tip # 2
 Mean 12.11
 Std. Dev. 0.15
 % CV 1.22



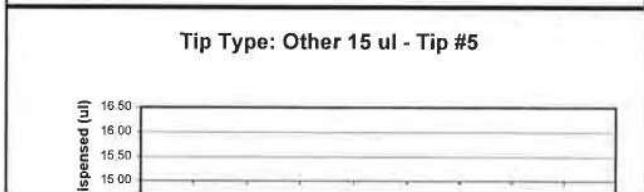
Tip # 3
 Mean 12.25
 Std. Dev. 0.13
 % CV 1.06



Tip # 4
 Mean 12.85
 Std. Dev. 0.45
 % CV 3.49



Tip # 5
 Mean 12.65



5	3	12.83	0.18
5	4	12.63	-0.02
5	5	12.73	0.08
5	6		-12.65
5	7		-12.65
5	8		-12.65
5	9		-12.65
5	10		-12.65
6	1	12.73	-0.16
6	2	12.83	-0.06
6	3	13.13	0.24
6	4	12.93	0.04
6	5	12.83	-0.06
6	6		-12.89
6	7		-12.89
6	8		-12.89
6	9		-12.89
6	10		-12.89
7	1	12.73	0.10
7	2	12.53	-0.10
7	3	12.73	0.10
7	4	12.53	-0.10
7	5	12.63	0.00
7	6		-12.63
7	7		-12.63
7	8		-12.63
7	9		-12.63
7	10		-12.63
8	1	12.33	-0.28
8	2	12.73	0.12
8	3	12.63	0.02
8	4	12.83	0.22
8	5	12.53	-0.08
8	6		-12.61
8	7		-12.61
8	8		-12.61
8	9		-12.61
8	10		-12.61

Std. Dev. 0.25
% CV 1.97

Tip # 6

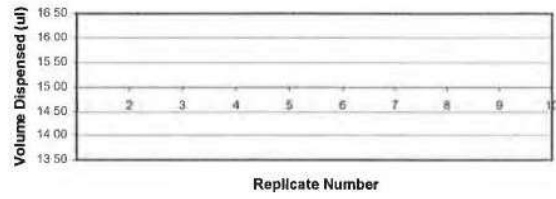
Mean 12.89
Std. Dev. 0.15
% CV 1.18

Tip # 7

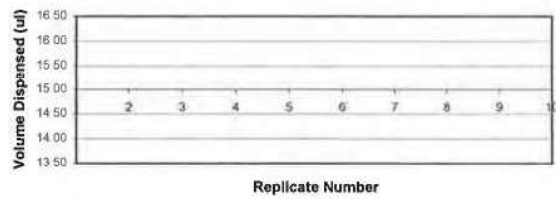
Mean 12.63
Std. Dev. 0.10
% CV 0.79

Tip # 8

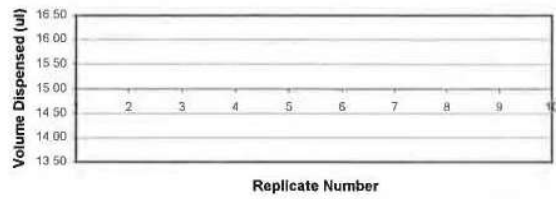
Mean 12.61
Std. Dev. 0.19
% CV 1.53



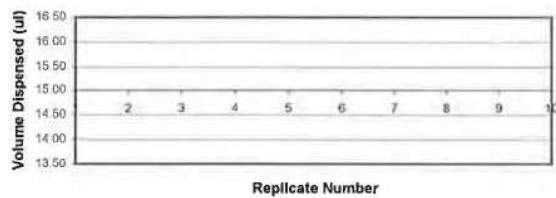
Tip Type: Other 15 ul - Tip #6



Tip Type: Other 15 ul - Tip #7



Tip Type: Other 15 ul - Tip #8



Comment: WaterBlowout 175ul DT_FW_QHSS Newslope&Offset @ 15uL (23.6) 13112007

Colib check for
Resin Volume

Platform 1
Resin @ 50 ul
Non-conductive tips

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 11/13/07
Technician: GSL

Tip Type: Other
Disposable Tip Lot #: 06480029
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.997394
System Liquid: Nano Pure Water

Across tips	
Mean	49.98
Std. Dev.	0.18
%CV	0.36
% Inaccuracy	0.0

Performance File: WaterBlowout 175ul_DT_FW_13112007 RESIN.prf

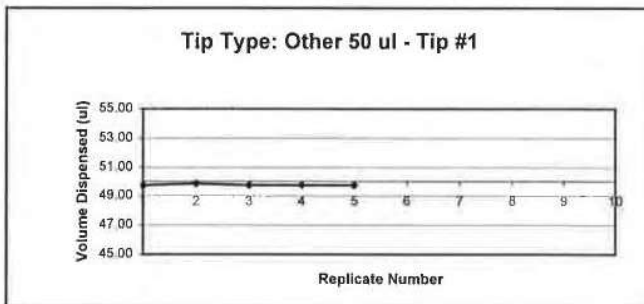
Requested Volume (ul): 50

C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-50ul-0ul-Run3

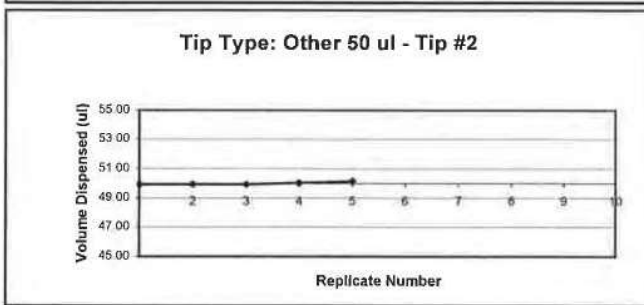
Tip # Repl # Dsp. Wt. # Std from Mean

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	49.73	-0.02
1	2	49.83	0.08
1	3	49.73	-0.02
1	4	49.73	-0.02
1	5	49.73	-0.02
1	6		-49.75
1	7		-49.75
1	8		-49.75
1	9		-49.75
1	10		-49.75
2	1	49.93	-0.06
2	2	49.93	-0.06
2	3	49.93	-0.06
2	4	50.03	0.04
2	5	50.13	0.14
2	6		-49.99
2	7		-49.99
2	8		-49.99
2	9		-49.99
2	10		-49.99
3	1	49.93	-0.06
3	2	50.03	0.04
3	3	49.93	-0.06
3	4	50.03	0.04
3	5	50.03	0.04
3	6		-49.99
3	7		-49.99
3	8		-49.99
3	9		-49.99
3	10		-49.99
4	1	50.13	0.12
4	2	50.03	0.02
4	3	49.83	-0.18
4	4	50.03	0.02
4	5	50.03	0.02
4	6		-50.01
4	7		-50.01
4	8		-50.01
4	9		-50.01
4	10		-50.01
5	1	49.53	-0.46
5	2	50.23	0.24

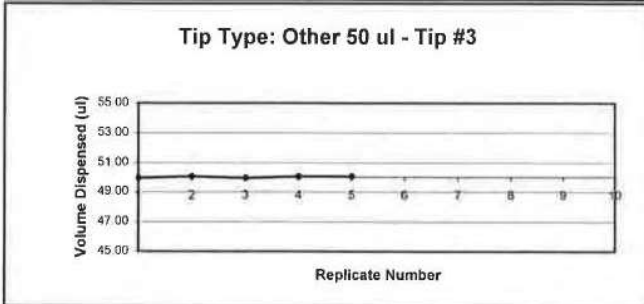
Tip # 1
Mean 49.75
Std. Dev. 0.04
% CV 0.09



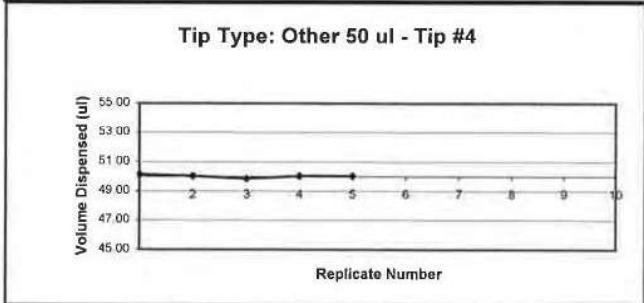
Tip # 2
Mean 49.99
Std. Dev. 0.09
% CV 0.18



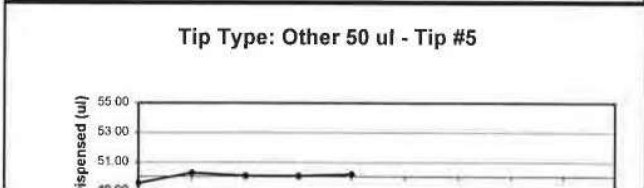
Tip # 3
Mean 49.99
Std. Dev. 0.05
% CV 0.11



Tip # 4
Mean 50.01
Std. Dev. 0.11
% CV 0.22



Tip # 5
Mean 49.99



5	3	50.03	0.04
5	4	50.03	0.04
5	5	50.13	0.14
5	6		-49.99
5	7		-49.99
5	8		-49.99
5	9		-49.99
5	10		-49.99
6	1	50.23	0.12
6	2	50.03	-0.08
6	3	50.23	0.12
6	4	50.03	-0.08
6	5	50.03	-0.08
6	6		-50.11
6	7		-50.11
6	8		-50.11
6	9		-50.11
6	10		-50.11
7	1	49.93	-0.10
7	2	50.13	0.10
7	3	50.13	0.10
7	4	50.03	0.00
7	5	49.93	-0.10
7	6		-50.03
7	7		-50.03
7	8		-50.03
7	9		-50.03
7	10		-50.03
8	1	49.83	-0.16
8	2	49.93	-0.06
8	3	49.73	-0.26
8	4	50.53	0.54
8	5	49.93	-0.06
8	6		-49.99
8	7		-49.99
8	8		-49.99
8	9		-49.99
8	10		-49.99

Std. Dev. 0.27
% CV 0.54

Tip # 6

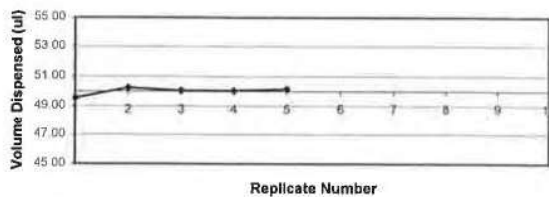
Mean 50.11
Std. Dev. 0.11
% CV 0.22

Tip # 7

Mean 50.03
Std. Dev. 0.10
% CV 0.20

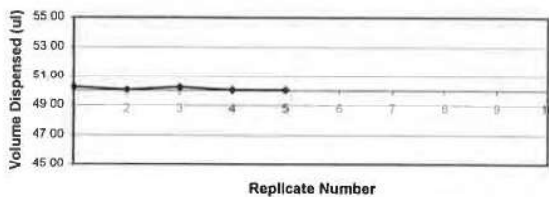
Tip # 8

Mean 49.99
Std. Dev. 0.31
% CV 0.63



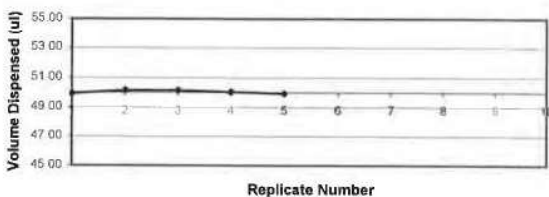
Replicate Number

Tip Type: Other 50 ul - Tip #6



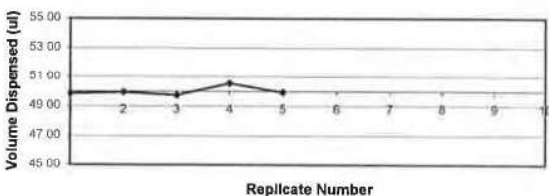
Replicate Number

Tip Type: Other 50 ul - Tip #7



Replicate Number

Tip Type: Other 50 ul - Tip #8



Replicate Number

Comment: WaterBlowout 175ul DT_FW_RESIN Checked @ 50ul (23.6) 13112007

Platform A

Balance Test Results

Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/09/07
 Technician: GSL

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 7210337
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

Across tips	
Mean	91.99
Std. Dev.	0.43
%CV	0.47
% Inaccuracy	8.0

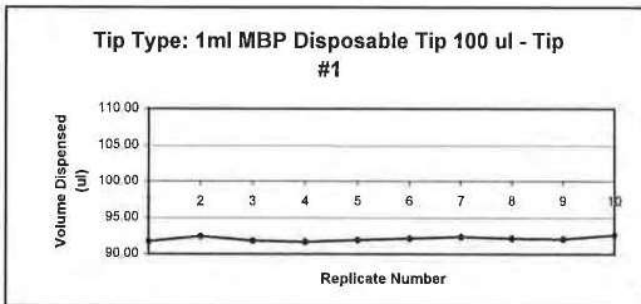
Performance File: WaterBlowout 1ml_DT_QHSS.pf
 Requested Volume (ul): 100

C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-100ul-Run2

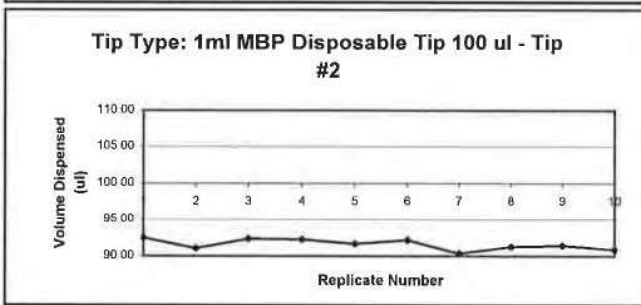
Tip # Repl # Dsp. Wt. # Std from Mean

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	91.74	-0.35
1	2	92.44	0.35
1	3	91.84	-0.25
1	4	91.64	-0.45
1	5	91.94	-0.15
1	6	92.14	0.05
1	7	92.34	0.25
1	8	92.14	0.05
1	9	92.04	-0.05
1	10	92.64	0.55
2	1	92.44	0.87
2	2	91.04	-0.53
2	3	92.34	0.77
2	4	92.24	0.67
2	5	91.64	0.07
2	6	92.14	0.57
2	7	90.34	-1.23
2	8	91.24	-0.33
2	9	91.44	-0.13
2	10	90.84	-0.73
3	1	92.24	0.22
3	2	92.34	0.32
3	3	91.94	-0.08
3	4	92.44	0.42
3	5	92.34	0.32
3	6	91.94	-0.08
3	7	91.54	-0.48
3	8	91.74	-0.28
3	9	91.94	-0.08
3	10	91.74	-0.28
4	1	92.44	0.28
4	2	92.34	0.18
4	3	92.34	0.18
4	4	92.04	-0.12
4	5	92.24	0.08
4	6	92.24	0.08
4	7	92.24	0.08
4	8	92.04	-0.12
4	9	91.74	-0.42
4	10	91.94	-0.22
5	1	91.84	-0.08
5	2	92.04	0.12

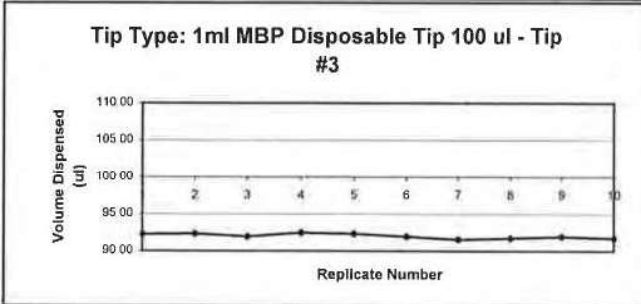
Tip # 1
 Mean 92.09
 Std. Dev. 0.32
 % CV 0.34



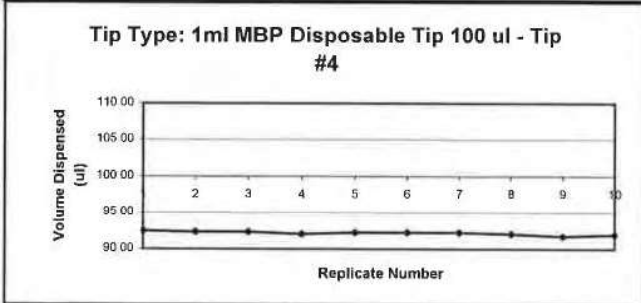
Tip # 2
 Mean 91.57
 Std. Dev. 0.71
 % CV 0.78



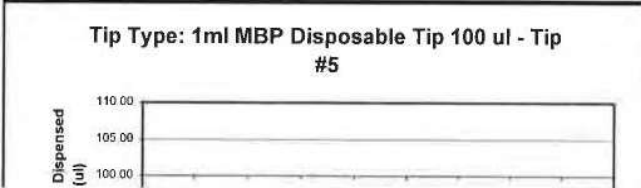
Tip # 3
 Mean 92.02
 Std. Dev. 0.30
 % CV 0.33



Tip # 4
 Mean 92.16
 Std. Dev. 0.21
 % CV 0.23



Tip # 5
 Mean 91.92



5	3	92.14	0.22
5	4	91.84	-0.08
5	5	92.04	0.12
5	6	91.94	0.02
5	7	91.64	-0.28
5	8	92.24	0.32
5	9	91.54	-0.38
5	10	91.94	0.02
6	1	93.24	1.01
6	2	92.14	-0.09
6	3	91.94	-0.29
6	4	92.24	0.01
6	5	92.14	-0.09
6	6	91.94	-0.29
6	7	92.24	0.01
6	8	92.04	-0.19
6	9	92.34	0.11
6	10	92.04	-0.19
7	1	92.84	0.99
7	2	91.54	-0.31
7	3	92.34	0.49
7	4	91.84	-0.01
7	5	91.54	-0.31
7	6	92.14	0.29
7	7	91.44	-0.41
7	8	92.24	0.39
7	9	91.64	-0.21
7	10	90.94	-0.91
8	1	92.14	0.03
8	2	92.14	0.03
8	3	92.34	0.23
8	4	91.94	-0.17
8	5	92.04	-0.07
8	6	92.54	0.43
8	7	92.04	-0.07
8	8	92.04	-0.07
8	9	92.04	-0.07
8	10	91.84	-0.27

Std. Dev. 0.21
% CV 0.23

Tip # 6

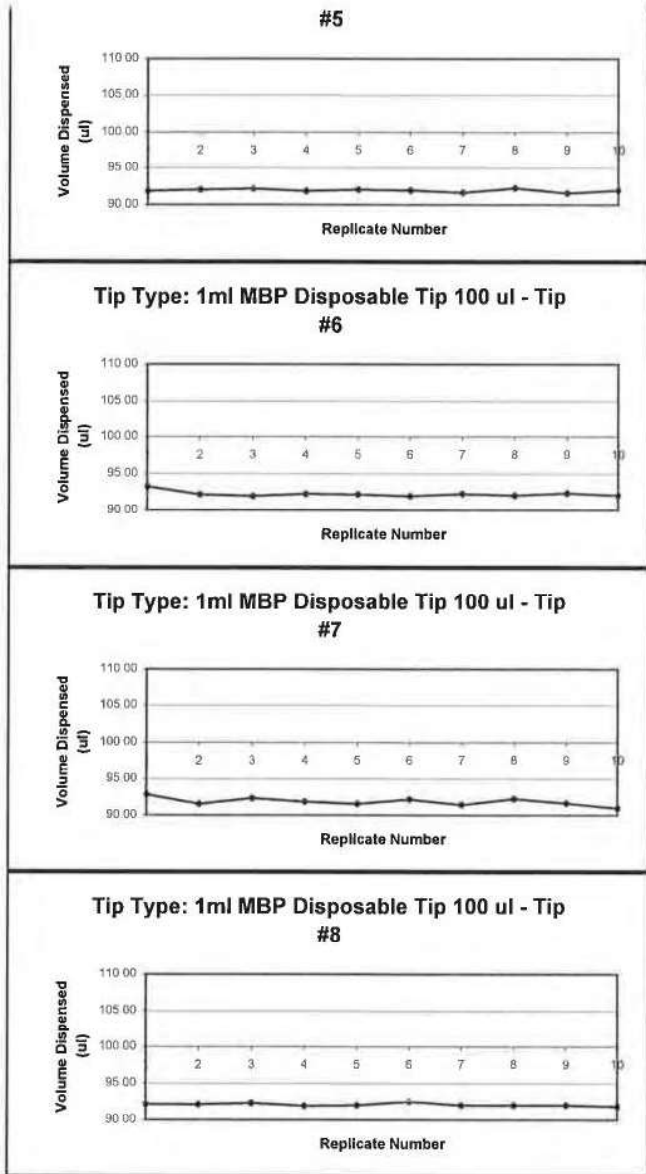
Mean 92.23
Std. Dev. 0.38
% CV 0.41

Tip # 7

Mean 91.85
Std. Dev. 0.55
% CV 0.60

Tip # 8

Mean 92.11
Std. Dev. 0.20
% CV 0.22



Comment: Water Blowout 1mL DT_QHSS calibrate at 100uL (23.6) 09112007

Platform A

Balance Test Results

Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/09/07
 Technician: GSL

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 7210337
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

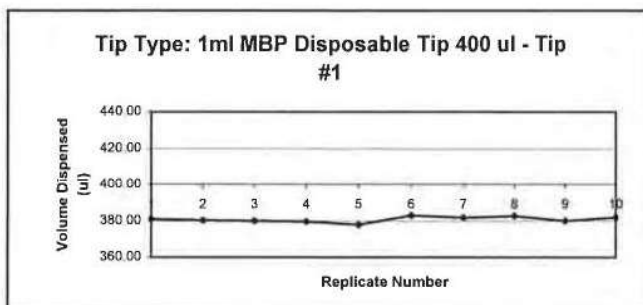
Across tips	
Mean	380.92
Std. Dev.	1.30
%CV	0.34
% Inaccuracy	4.8

Performance File: WaterBlowout 1ml_DT_QHSS.pf
 Requested Volume (ul): 400

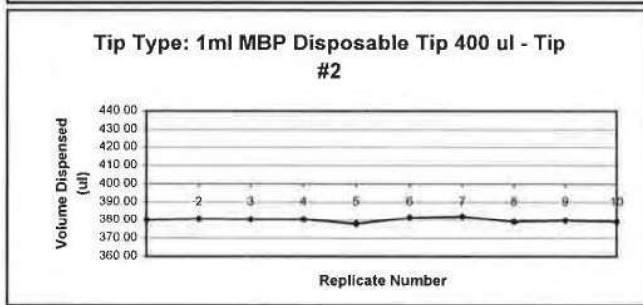
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-400ul-400ul-Run2

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	380.89	0.16
1	2	380.19	-0.54
1	3	379.99	-0.74
1	4	379.59	-1.14
1	5	377.88	-2.85
1	6	382.90	2.17
1	7	381.59	0.86
1	8	382.50	1.77
1	9	379.89	-0.84
1	10	381.90	1.17
2	1	379.99	0.07
2	2	380.39	0.47
2	3	380.29	0.37
2	4	380.29	0.37
2	5	377.78	-2.14
2	6	381.09	1.17
2	7	381.90	1.98
2	8	378.89	-1.03
2	9	379.69	-0.23
2	10	378.89	-1.03
3	1	381.90	0.20
3	2	381.79	0.10
3	3	381.39	-0.31
3	4	381.49	-0.20
3	5	379.49	-2.20
3	6	382.50	0.81
3	7	380.39	-1.31
3	8	382.60	0.91
3	9	383.10	1.41
3	10	382.30	0.61
4	1	379.29	-1.52
4	2	381.49	0.68
4	3	381.09	0.28
4	4	380.69	-0.12
4	5	378.69	-2.12
4	6	380.19	-0.62
4	7	382.20	1.39
4	8	381.79	0.98
4	9	381.29	0.48
4	10	381.39	0.58
5	1	379.39	-1.48
5	2	381.90	1.03

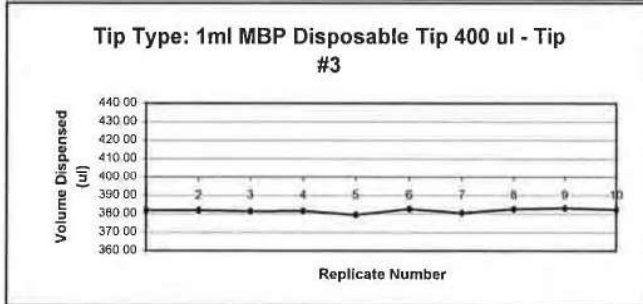
Tip # 1
 Mean 380.73
 Std. Dev. 1.53
 % CV 0.40



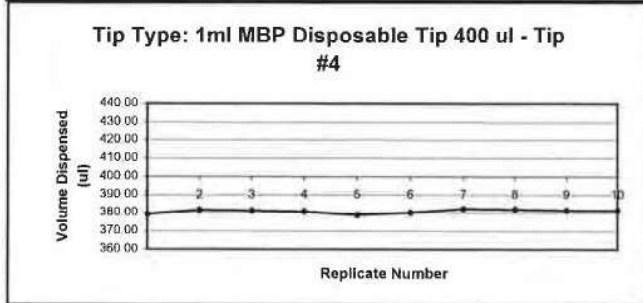
Tip # 2
 Mean 379.92
 Std. Dev. 1.18
 % CV 0.31



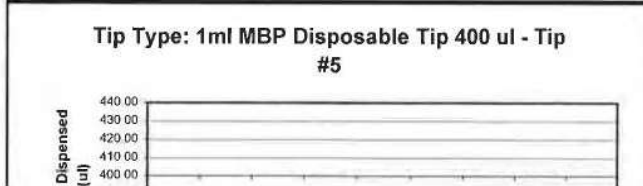
Tip # 3
 Mean 381.70
 Std. Dev. 1.08
 % CV 0.28



Tip # 4
 Mean 380.81
 Std. Dev. 1.12
 % CV 0.29



Tip # 5
 Mean 380.87



5	3	381.90	1.03
5	4	379.89	-0.98
5	5	382.20	1.33
5	6	382.30	1.43
5	7	379.89	-0.98
5	8	379.89	-0.98
5	9	379.89	-0.98
5	10	381.49	0.62
6	1	380.99	0.32
6	2	381.29	0.62
6	3	381.29	0.62
6	4	381.09	0.42
6	5	381.29	0.62
6	6	379.59	-1.08
6	7	381.59	0.92
6	8	379.09	-1.58
6	9	379.09	-1.58
6	10	381.39	0.72
7	1	380.59	-1.07
7	2	380.39	-1.27
7	3	383.40	1.74
7	4	379.99	-1.67
7	5	382.50	0.84
7	6	383.80	2.14
7	7	380.69	-0.97
7	8	379.99	-1.67
7	9	382.60	0.94
7	10	382.60	0.94
8	1	382.00	0.99
8	2	381.59	0.58
8	3	381.39	0.38
8	4	379.39	-1.62
8	5	382.00	0.99
8	6	382.00	0.99
8	7	382.10	1.09
8	8	381.39	0.38
8	9	379.39	-1.62
8	10	378.89	-2.12

Std. Dev. 1.17
% CV 0.31

Tip # 6

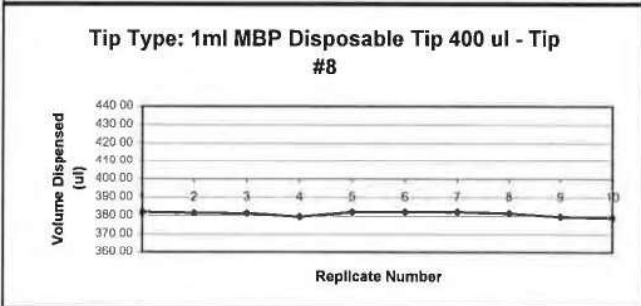
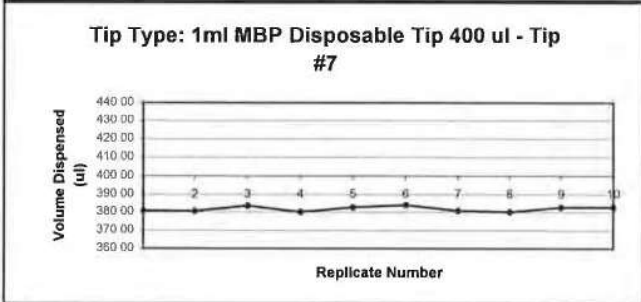
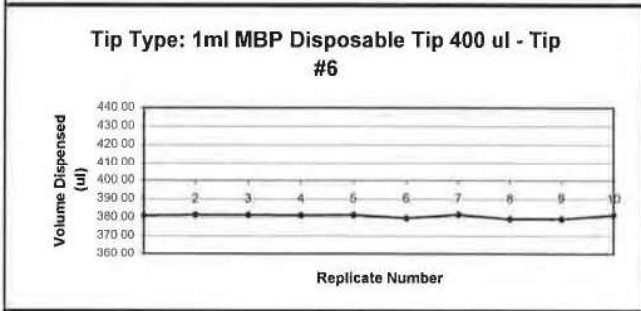
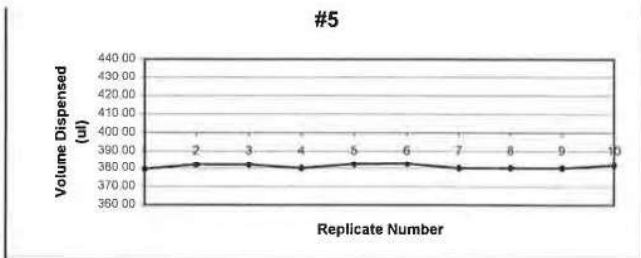
Mean 380.67
Std. Dev. 1.00
% CV 0.26

Tip # 7

Mean 381.66
Std. Dev. 1.47
% CV 0.38

Tip # 8

Mean 381.01
Std. Dev. 1.27
% CV 0.33



Comment: Water Blowout 1mL DT_QHSS calibrate at 400uL (23.6) 09112007

Platform - A

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/08/07
 Technician: GSL

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 7210337
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

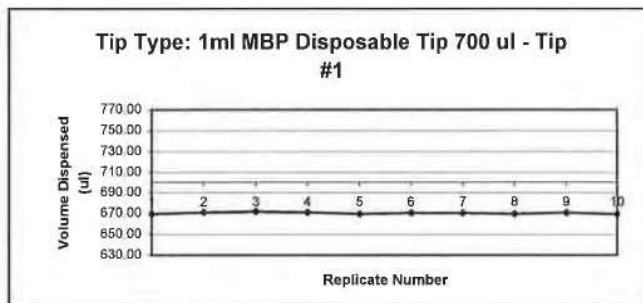
Across tips	
Mean	670.16
Std. Dev.	1.15
%CV	0.17
% Inaccuracy	4.3

Performance File: WaterBlowout 1mL_DT_QHSS.prf
 Requested Volume (ul): 700

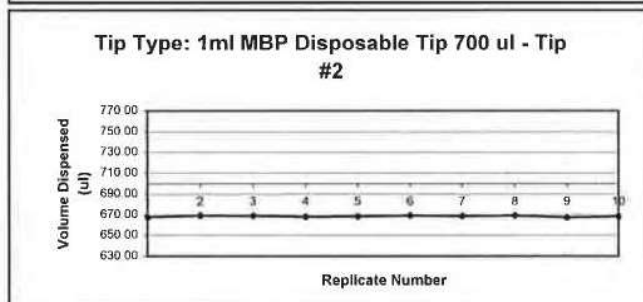
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-700ul-700ul-Run2

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	669.54	-0.72
1	2	670.95	0.69
1	3	671.95	1.69
1	4	670.95	0.69
1	5	669.34	-0.92
1	6	670.45	0.19
1	7	670.25	-0.01
1	8	669.34	-0.92
1	9	670.55	0.29
1	10	669.24	-1.02
2	1	667.74	-0.70
2	2	669.14	0.70
2	3	668.94	0.50
2	4	668.04	-0.40
2	5	668.24	-0.20
2	6	669.14	0.70
2	7	668.54	0.10
2	8	669.04	0.60
2	9	667.44	-1.00
2	10	668.14	-0.30
3	1	671.25	-0.04
3	2	670.65	-0.64
3	3	671.25	-0.04
3	4	670.65	-0.64
3	5	671.65	0.36
3	6	671.85	0.56
3	7	672.05	0.76
3	8	671.95	0.66
3	9	670.15	-1.14
3	10	671.45	0.16
4	1	671.05	1.09
4	2	669.24	-0.72
4	3	669.54	-0.42
4	4	670.65	0.69
4	5	668.54	-1.42
4	6	669.85	-0.11
4	7	669.85	-0.11
4	8	670.35	0.39
4	9	670.65	0.69
4	10	669.85	-0.11
5	1	671.55	0.75
5	2	669.75	-1.05

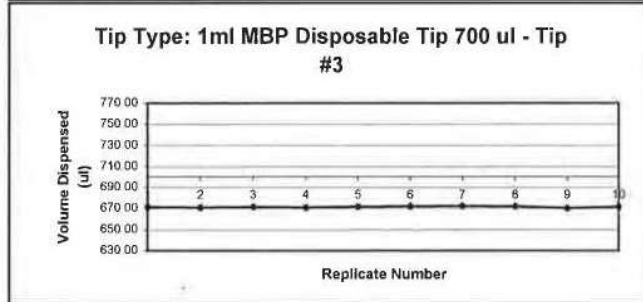
Tip # 1
 Mean 670.26
 Std. Dev. 0.89
 % CV 0.13



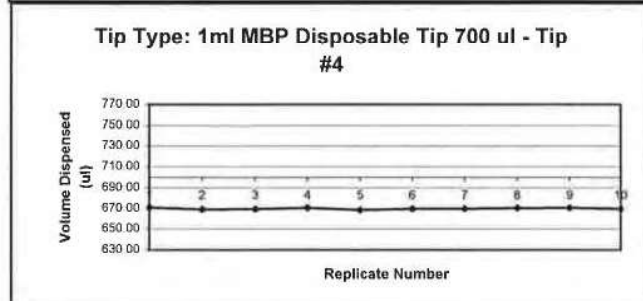
Tip # 2
 Mean 668.44
 Std. Dev. 0.61
 % CV 0.09



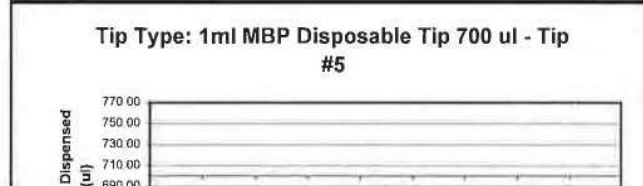
Tip # 3
 Mean 671.29
 Std. Dev. 0.63
 % CV 0.09



Tip # 4
 Mean 669.96
 Std. Dev. 0.75
 % CV 0.11



Tip # 5
 Mean 670.80



5	3	671.05	0.25
5	4	670.85	0.05
5	5	669.44	-1.36
5	6	672.15	1.35
5	7	671.15	0.35
5	8	670.75	-0.05
5	9	670.65	-0.15
5	10	670.65	-0.15
6	1	669.04	-0.63
6	2	669.95	0.28
6	3	669.24	-0.43
6	4	669.54	-0.13
6	5	669.95	0.28
6	6	670.15	0.48
6	7	669.44	-0.23
6	8	669.85	0.18
6	9	670.05	0.38
6	10	669.44	-0.23
7	1	671.15	-0.23
7	2	671.35	-0.03
7	3	671.45	0.07
7	4	670.15	-1.23
7	5	671.25	-0.13
7	6	671.85	0.47
7	7	671.15	-0.23
7	8	673.35	1.97
7	9	670.45	-0.93
7	10	671.65	0.27
8	1	670.05	0.57
8	2	669.75	0.27
8	3	669.75	0.27
8	4	668.84	-0.64
8	5	669.34	-0.14
8	6	669.44	-0.04
8	7	670.55	1.07
8	8	669.14	-0.34
8	9	669.24	-0.24
8	10	668.74	-0.74

Std. Dev. 0.79
% CV 0.12

Tip # 6

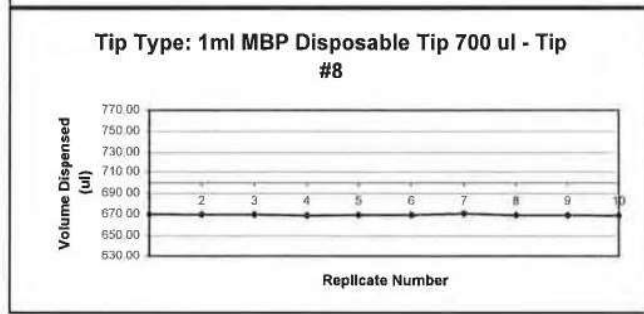
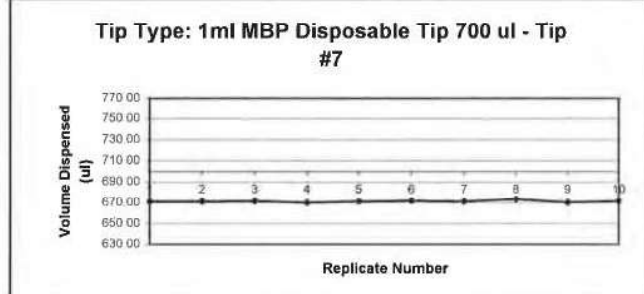
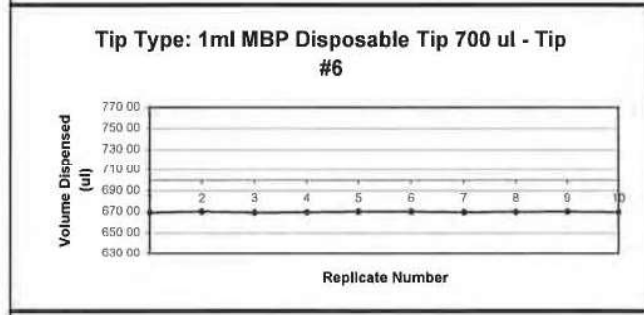
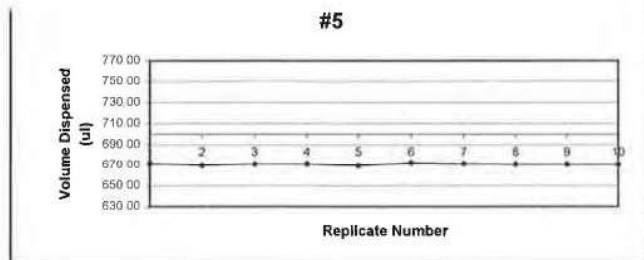
Mean 669.67
Std. Dev. 0.38
% CV 0.06

Tip # 7

Mean 671.38
Std. Dev. 0.86
% CV 0.13

Tip # 8

Mean 669.48
Std. Dev. 0.55
% CV 0.08



Comment: Water Blowout 1mL DT_QHSS calibrate at 700uL (23.6) 08112007

Platform A

Balance Test Results

Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/08/07
 Technician: GSL

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 7210337
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

Across tips	
Mean	962.33
Std. Dev.	2.25
%CV	0.23
% Inaccuracy	3.8

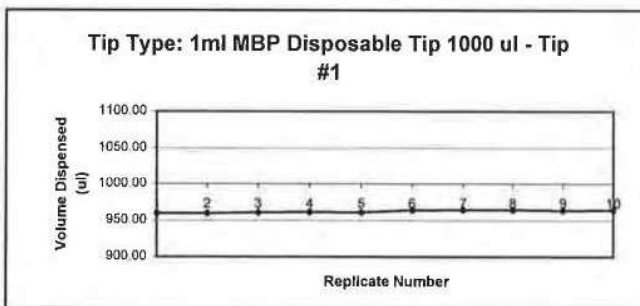
Performance File: WaterBlowout 1mL DT_QHSS.prf
 Requested Volume (ul): 1000

C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-1000ul-Run4

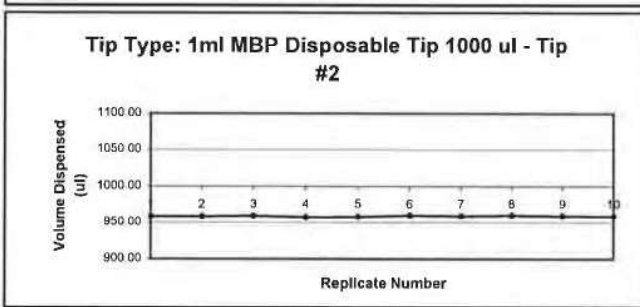
Tip # Repl # Dsp. Wt. # Std from Mean

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	959.30	-2.67
1	2	959.30	-2.67
1	3	960.50	-1.47
1	4	961.10	-0.87
1	5	960.60	-1.37
1	6	963.81	1.84
1	7	964.01	2.04
1	8	964.01	2.04
1	9	963.41	1.44
1	10	963.61	1.64
2	1	958.70	-0.06
2	2	958.50	-0.26
2	3	959.20	0.44
2	4	957.39	-1.37
2	5	957.60	-1.16
2	6	959.90	1.14
2	7	958.90	0.14
2	8	959.80	1.04
2	9	958.90	0.14
2	10	958.70	-0.06
3	1	965.72	1.01
3	2	964.21	-0.50
3	3	964.11	-0.60
3	4	964.61	-0.10
3	5	965.12	0.41
3	6	965.32	0.61
3	7	964.81	0.10
3	8	965.01	0.30
3	9	964.21	-0.50
3	10	964.01	-0.70
4	1	962.41	0.80
4	2	961.71	0.10
4	3	960.40	-1.21
4	4	961.41	-0.20
4	5	961.41	-0.20
4	6	962.51	0.90
4	7	962.01	0.40
4	8	961.20	-0.41
4	9	961.31	-0.30
4	10	961.71	0.10
5	1	964.71	0.65
5	2	964.11	0.05

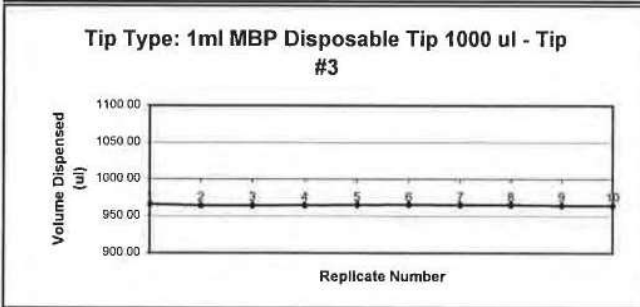
Tip # 1
 Mean 961.97
 Std. Dev. 1.99
 % CV 0.21



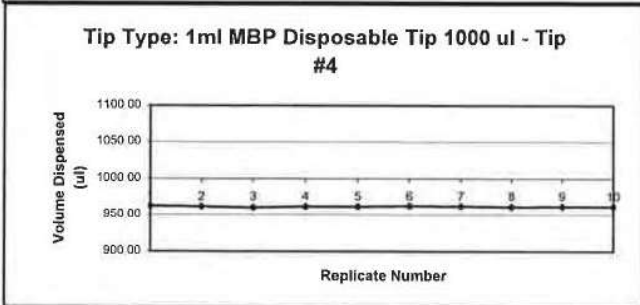
Tip # 2
 Mean 958.76
 Std. Dev. 0.81
 % CV 0.08



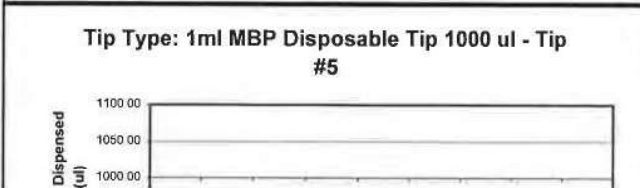
Tip # 3
 Mean 964.71
 Std. Dev. 0.58
 % CV 0.06



Tip # 4
 Mean 961.61
 Std. Dev. 0.62
 % CV 0.06



Tip # 5
 Mean 964.06



5	3	963.81	-0.25
5	4	963.91	-0.15
5	5	963.01	-1.05
5	6	965.72	1.66
5	7	963.81	-0.25
5	8	963.61	-0.45
5	9	964.61	0.55
5	10	963.31	-0.75
6	1	961.00	-0.76
6	2	961.91	0.15
6	3	961.81	0.05
6	4	961.10	-0.66
6	5	961.81	0.05
6	6	961.81	0.05
6	7	963.91	2.15
6	8	961.51	-0.25
6	9	961.10	-0.66
6	10	961.61	-0.15
7	1	965.12	-0.04
7	2	965.12	-0.04
7	3	964.31	-0.85
7	4	964.11	-1.05
7	5	965.42	0.26
7	6	965.42	0.26
7	7	965.01	-0.15
7	8	965.62	0.46
7	9	964.71	-0.45
7	10	966.72	1.56
8	1	960.10	-0.49
8	2	960.90	0.31
8	3	961.00	0.41
8	4	960.00	-0.59
8	5	960.30	-0.29
8	6	960.50	-0.09
8	7	960.70	0.11
8	8	960.80	0.21
8	9	960.80	0.21
8	10	960.80	0.21

Std. Dev. 0.78
% CV 0.08

Tip # 6

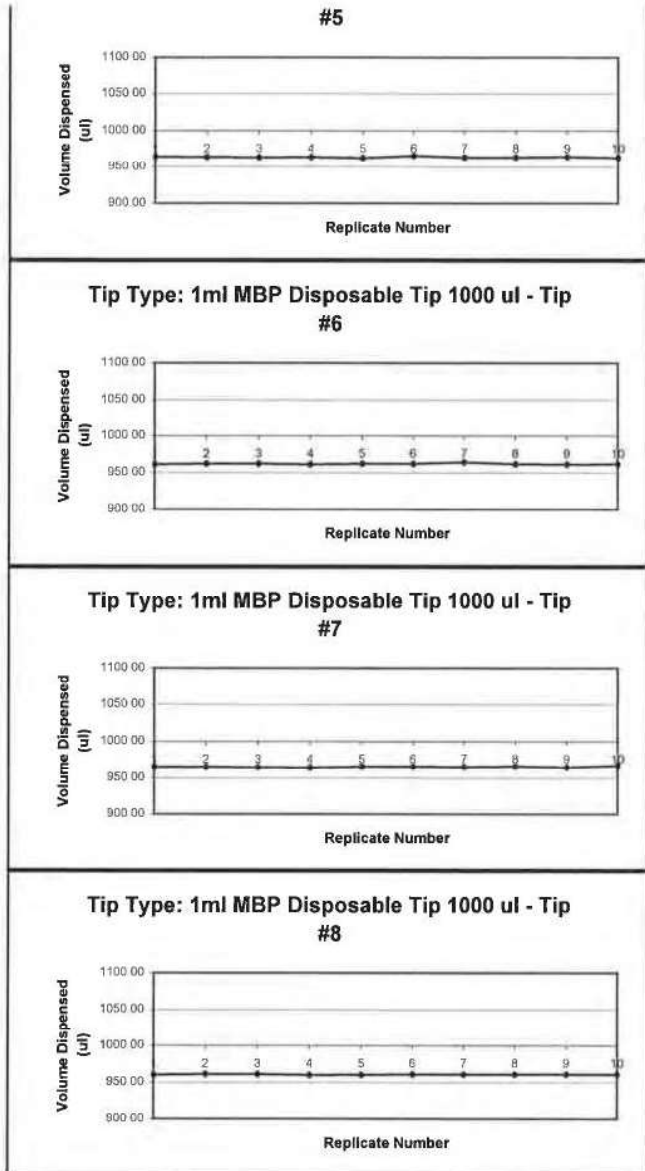
Mean 961.76
Std. Dev. 0.83
% CV 0.09

Tip # 7

Mean 965.16
Std. Dev. 0.73
% CV 0.08

Tip # 8

Mean 960.59
Std. Dev. 0.35
% CV 0.04



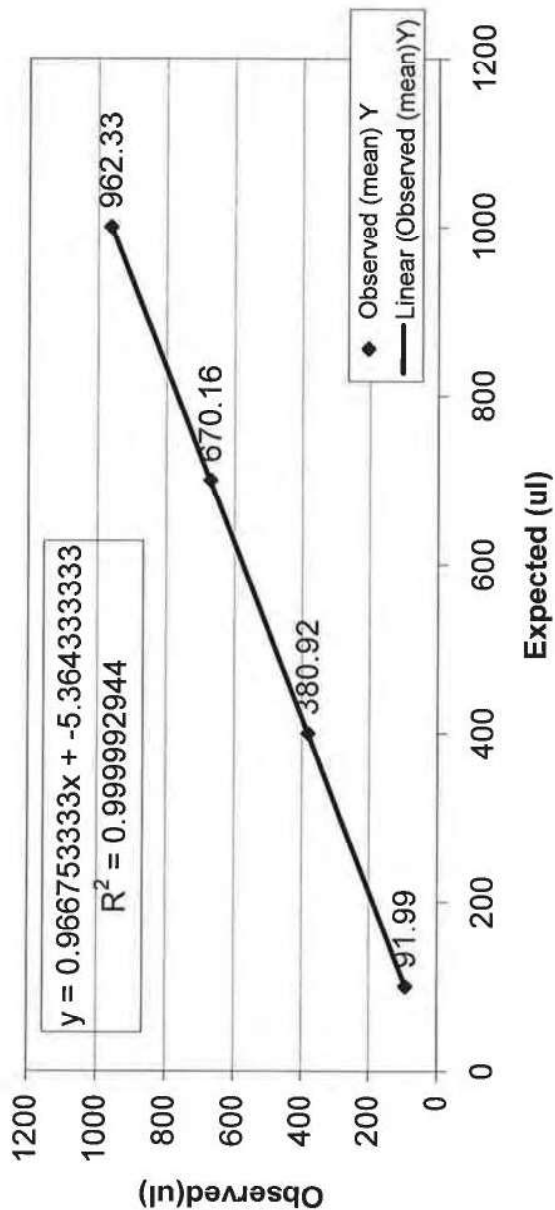
Comment: Water Blowout 1mL DT_QHSS calibrate at 1000uL (23.6) 08112007

Gravimetric Assessment Extraction Platform_A 1 mL MBP disposable tips - BLOWOUT mode 09112007

Expected X	Observed (mean) Y
1000	962.33
700	670.16
400	380.92
100	91.99

Slope 0.966753333
 Offset -5.364333333
 R2 0.999992944

PE 1mL MBP Sterile Hanging Tips-Blowout Mode



Colib check,

Platform - A

1 mL MBP tip

Now Slope / offset

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/09/07
 Technician: GSL
 Performance File: WaterBlowout 1mL_DT_QHSS09112007.prf
 Requested Volume (ul): 100

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 7210337
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

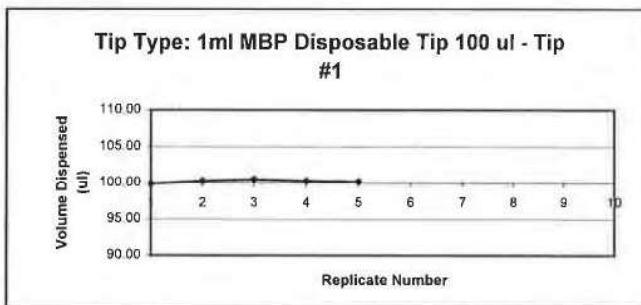
Across tips	
Mean	100.65
Std. Dev.	0.63
%CV	0.63
% Inaccuracy	0.7

C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-0ul-Run2

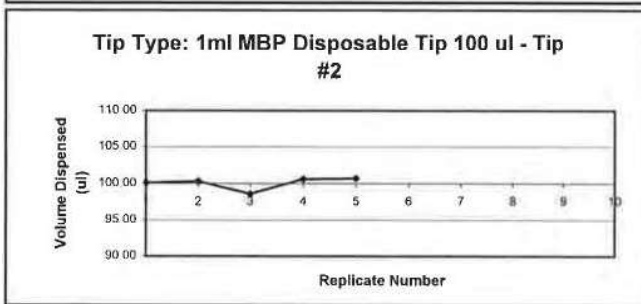
Tip # Repl # Dsp. Wt. # Std from Mean

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	99.86	-0.34
1	2	100.26	0.06
1	3	100.46	0.26
1	4	100.26	0.06
1	5	100.16	-0.04
1	6		-100.20
1	7		-100.20
1	8		-100.20
1	9		-100.20
1	10		-100.20
2	1	100.06	0.04
2	2	100.26	0.24
2	3	98.56	-1.46
2	4	100.56	0.54
2	5	100.66	0.64
2	6		-100.02
2	7		-100.02
2	8		-100.02
2	9		-100.02
2	10		-100.02
3	1	100.66	-0.08
3	2	100.76	0.02
3	3	100.56	-0.18
3	4	100.96	0.22
3	5	100.76	0.02
3	6		-100.74
3	7		-100.74
3	8		-100.74
3	9		-100.74
3	10		-100.74
4	1	101.16	0.20
4	2	100.56	-0.40
4	3	101.06	0.10
4	4	101.16	0.20
4	5	100.86	-0.10
4	6		-100.96
4	7		-100.96
4	8		-100.96
4	9		-100.96
4	10		-100.96
5	1	100.76	-0.14
5	2	100.76	-0.14

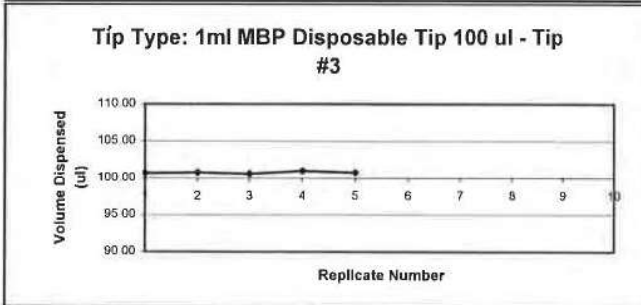
Tip # 1
 Mean 100.20
 Std. Dev. 0.22
 % CV 0.22



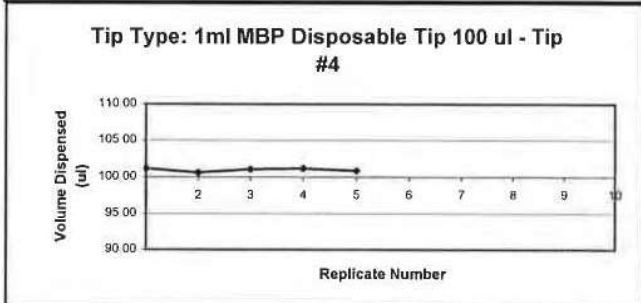
Tip # 2
 Mean 100.02
 Std. Dev. 0.85
 % CV 0.85



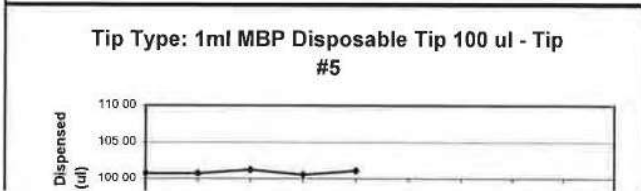
Tip # 3
 Mean 100.74
 Std. Dev. 0.15
 % CV 0.15



Tip # 4
 Mean 100.96
 Std. Dev. 0.25
 % CV 0.25



Tip # 5
 Mean 100.90



5	3	101.26	0.36
5	4	100.56	-0.34
5	5	101.16	0.26
5	6		-100.90
5	7		-100.90
5	8		-100.90
5	9		-100.90
5	10		-100.90
6	1	101.87	0.55
6	2	101.06	-0.26
6	3	100.96	-0.36
6	4	101.16	-0.16
6	5	101.56	0.24
6	6		-101.32
6	7		-101.32
6	8		-101.32
6	9		-101.32
6	10		-101.32
7	1	101.46	1.20
7	2	99.66	-0.60
7	3	99.06	-1.20
7	4	100.96	0.70
7	5	100.16	-0.10
7	6		-100.26
7	7		-100.26
7	8		-100.26
7	9		-100.26
7	10		-100.26
8	1	101.26	0.44
8	2	100.66	-0.16
8	3	100.76	-0.06
8	4	100.96	0.14
8	5	100.46	-0.36
8	6		-100.82
8	7		-100.82
8	8		-100.82
8	9		-100.82
8	10		-100.82

Std. Dev. 0.30
% CV 0.29

Tip # 6

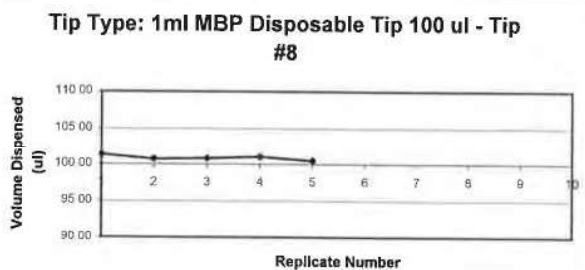
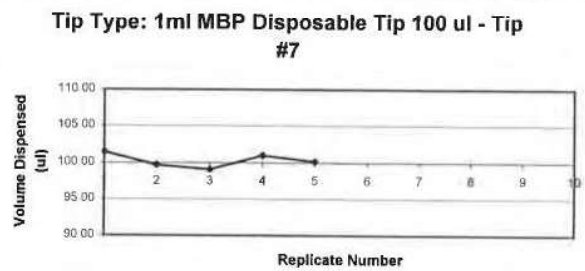
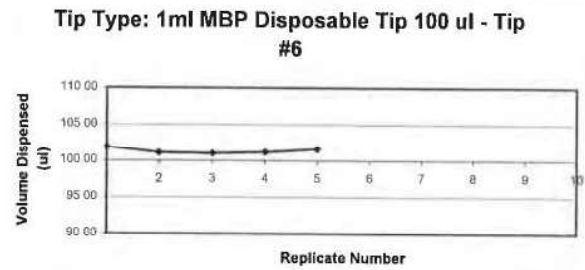
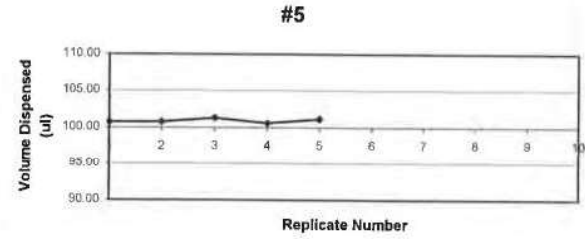
Mean 101.32
Std. Dev. 0.38
% CV 0.38

Tip # 7

Mean 100.26
Std. Dev. 0.97
% CV 0.96

Tip # 8

Mean 100.82
Std. Dev. 0.30
% CV 0.30



Comment: Water Blowout 1mL DT_QHSS with Newslope&Offset @ 100uL (23.6) 09112007

Colib check

*Platform A
Narrow slope / offset*

Balance Test Results

Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/09/07
 Technician: GSL
 Performance File: WaterBlowout 1mL_DT_QHSS09112007.prf
 Requested Volume (ul): 1000

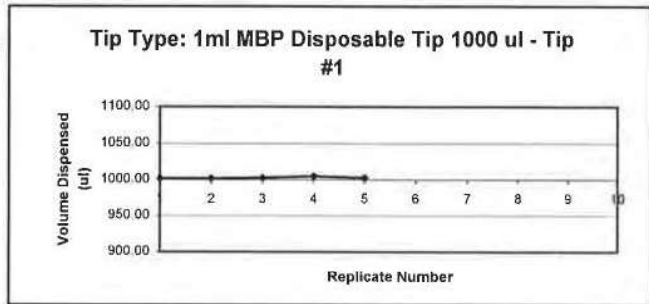
Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 7210337
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

Across tips	
Mean	1001.02
Std. Dev.	2.71
%CV	0.27
% Inaccuracy	0.1

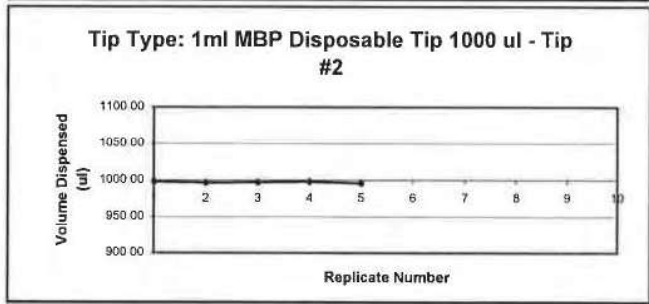
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-0ul-Run2

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	1001.91	-0.82
1	2	1001.91	-0.82
1	3	1002.51	-0.22
1	4	1004.72	1.99
1	5	1002.61	-0.12
1	6		-1002.73
1	7		-1002.73
1	8		-1002.73
1	9		-1002.73
1	10		-1002.73
2	1	997.50	0.78
2	2	996.50	-0.22
2	3	996.60	-0.12
2	4	997.50	0.78
2	5	995.49	-1.23
2	6		-996.72
2	7		-996.72
2	8		-996.72
2	9		-996.72
2	10		-996.72
3	1	1006.12	1.16
3	2	1006.52	1.56
3	3	1004.22	-0.74
3	4	1002.61	-2.35
3	5	1005.32	0.36
3	6		-1004.96
3	7		-1004.96
3	8		-1004.96
3	9		-1004.96
3	10		-1004.96
4	1	999.40	-0.12
4	2	999.71	0.19
4	3	999.50	-0.02
4	4	999.40	-0.12
4	5	999.60	0.08
4	6		-999.52
4	7		-999.52
4	8		-999.52
4	9		-999.52
4	10		-999.52
5	1	1002.31	-0.02
5	2	1002.61	0.28

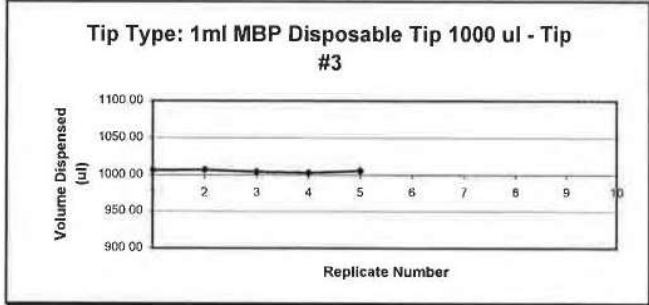
Tip # 1
 Mean 1002.73
 Std. Dev. 1.16
 % CV 0.12



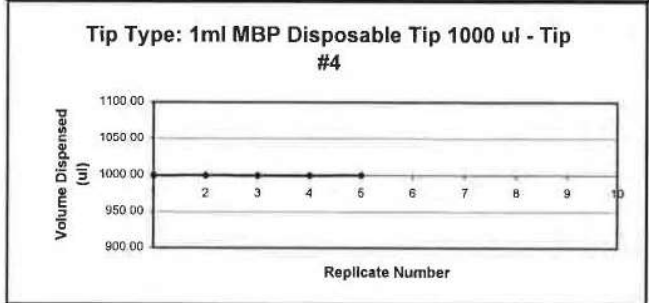
Tip # 2
 Mean 996.72
 Std. Dev. 0.84
 % CV 0.08



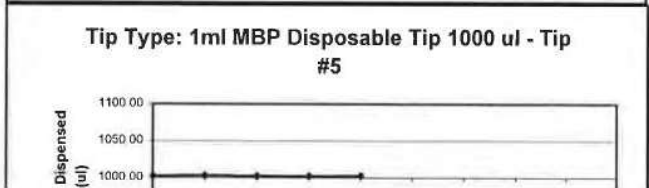
Tip # 3
 Mean 1004.96
 Std. Dev. 1.58
 % CV 0.16



Tip # 4
 Mean 999.52
 Std. Dev. 0.13
 % CV 0.01



Tip # 5
 Mean 1002.33



5	3	1002.41	0.08
5	4	1002.11	-0.22
5	5	1002.21	-0.12
5	6		-1002.33
5	7		-1002.33
5	8		-1002.33
5	9		-1002.33
5	10		-1002.33
6	1	999.91	0.00
6	2	999.50	-0.41
6	3	999.81	-0.10
6	4	1000.71	0.80
6	5	999.60	-0.31
6	6		-999.91
6	7		-999.91
6	8		-999.91
6	9		-999.91
6	10		-999.91
7	1	1004.02	0.73
7	2	1002.81	-0.48
7	3	1003.62	0.33
7	4	1002.71	-0.58
7	5	1003.31	0.02
7	6		-1003.29
7	7		-1003.29
7	8		-1003.29
7	9		-1003.29
7	10		-1003.29
8	1	998.30	-0.36
8	2	998.80	0.14
8	3	998.30	-0.36
8	4	999.10	0.44
8	5	998.80	0.14
8	6		-998.66
8	7		-998.66
8	8		-998.66
8	9		-998.66
8	10		-998.66

Std. Dev. 0.19
% CV 0.02

Tip # 6

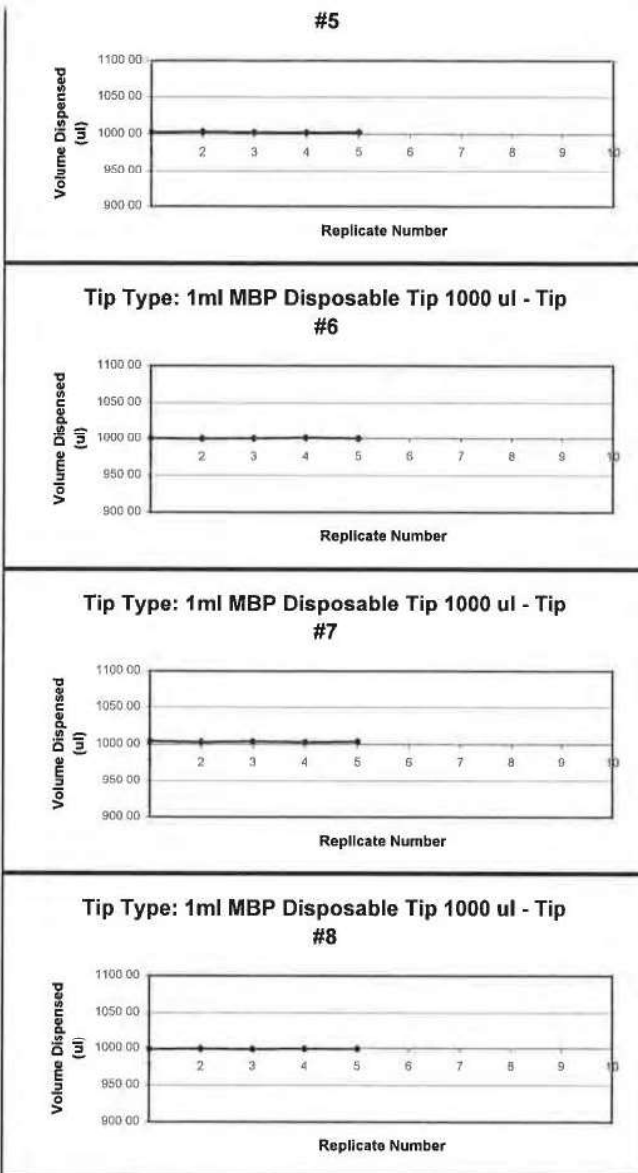
Mean 999.91
Std. Dev. 0.48
% CV 0.05

Tip # 7

Mean 1003.29
Std. Dev. 0.55
% CV 0.05

Tip # 8

Mean 998.66
Std. Dev. 0.35
% CV 0.04



Comment: Water Blowout 1mL DT_QHSS with Newslope&Offset @ 1000uL (23.6) 09112007

Platform - A

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/12/07
 Technician: GSL

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 7210337
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997304
 System Liquid: Nano Pure Water

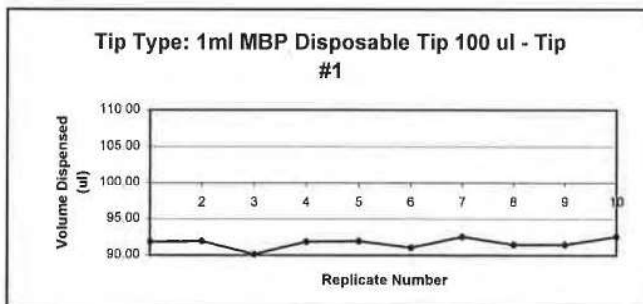
Across tips	
Mean	91.81
Std. Dev.	0.80
%CV	0.88
% Inaccuracy	8.2

Performance File: WaterWaste 1mL DT_FW_QHSS.prf
 Requested Volume (ul): 100

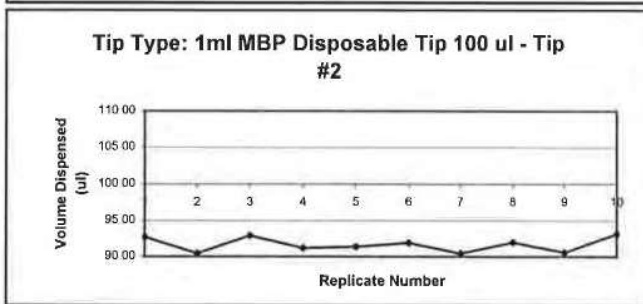
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-100ul-Run3

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	91.84	0.17
1	2	91.94	0.27
1	3	90.13	-1.54
1	4	91.84	0.17
1	5	91.94	0.27
1	6	91.04	-0.63
1	7	92.54	0.87
1	8	91.44	-0.23
1	9	91.44	-0.23
1	10	92.54	0.87
2	1	92.64	1.02
2	2	90.44	-1.18
2	3	92.84	1.22
2	4	91.14	-0.48
2	5	91.34	-0.28
2	6	91.84	0.22
2	7	90.44	-1.18
2	8	91.94	0.32
2	9	90.54	-1.08
2	10	93.04	1.42
3	1	91.64	-0.18
3	2	90.44	-1.38
3	3	92.84	1.02
3	4	92.64	0.82
3	5	92.44	0.62
3	6	92.44	0.62
3	7	92.74	0.92
3	8	90.44	-1.38
3	9	91.64	-0.18
3	10	90.94	-0.88
4	1	90.94	-0.73
4	2	89.93	-1.74
4	3	90.34	-1.33
4	4	92.54	0.87
4	5	92.64	0.97
4	6	92.34	0.67
4	7	92.74	1.07
4	8	91.64	-0.03
4	9	91.44	-0.23
4	10	92.14	0.47
5	1	91.94	0.24
5	2	92.64	0.94

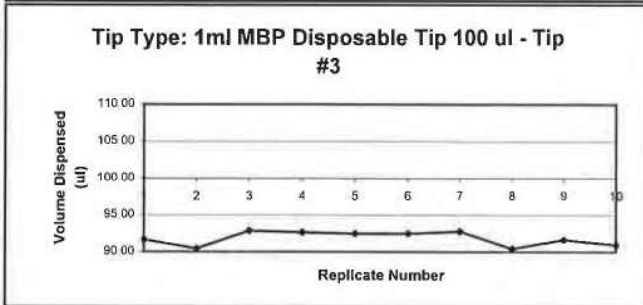
Tip # 1
 Mean 91.67
 Std. Dev. 0.71
 % CV 0.78



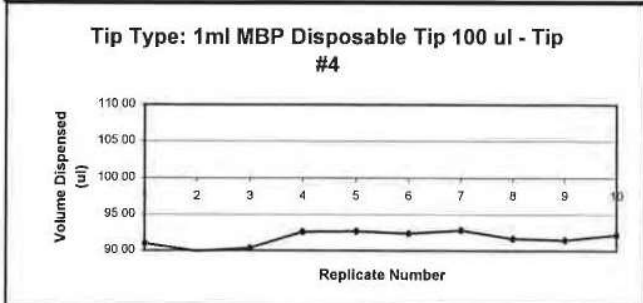
Tip # 2
 Mean 91.62
 Std. Dev. 1.00
 % CV 1.09



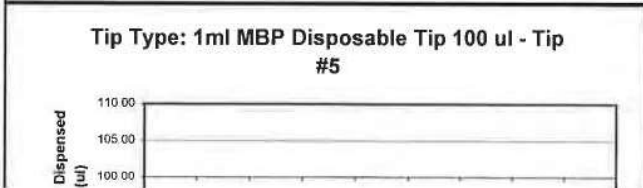
Tip # 3
 Mean 91.82
 Std. Dev. 0.94
 % CV 1.03



Tip # 4
 Mean 91.67
 Std. Dev. 0.99
 % CV 1.08



Tip # 5
 Mean 91.70



5	3	91.04	-0.66
5	4	91.54	-0.16
5	5	92.44	0.74
5	6	92.24	0.54
5	7	91.54	-0.16
5	8	90.03	-1.67
5	9	91.04	-0.66
5	10	92.54	0.84
6	1	92.44	0.25
6	2	92.64	0.45
6	3	91.74	-0.45
6	4	90.34	-1.85
6	5	92.84	0.65
6	6	92.64	0.45
6	7	92.54	0.35
6	8	92.14	-0.05
6	9	92.24	0.05
6	10	92.34	0.15
7	1	90.94	-0.91
7	2	93.14	1.29
7	3	91.54	-0.31
7	4	90.84	-1.01
7	5	92.24	0.39
7	6	92.54	0.69
7	7	92.04	0.19
7	8	91.64	-0.21
7	9	91.74	-0.11
7	10	91.84	-0.01
8	1	91.04	-0.93
8	2	92.24	0.27
8	3	91.04	-0.93
8	4	91.84	-0.13
8	5	92.64	0.67
8	6	91.84	-0.13
8	7	92.04	0.07
8	8	92.24	0.27
8	9	92.14	0.17
8	10	92.64	0.67

Std. Dev. 0.83
% CV 0.90

Tip # 6

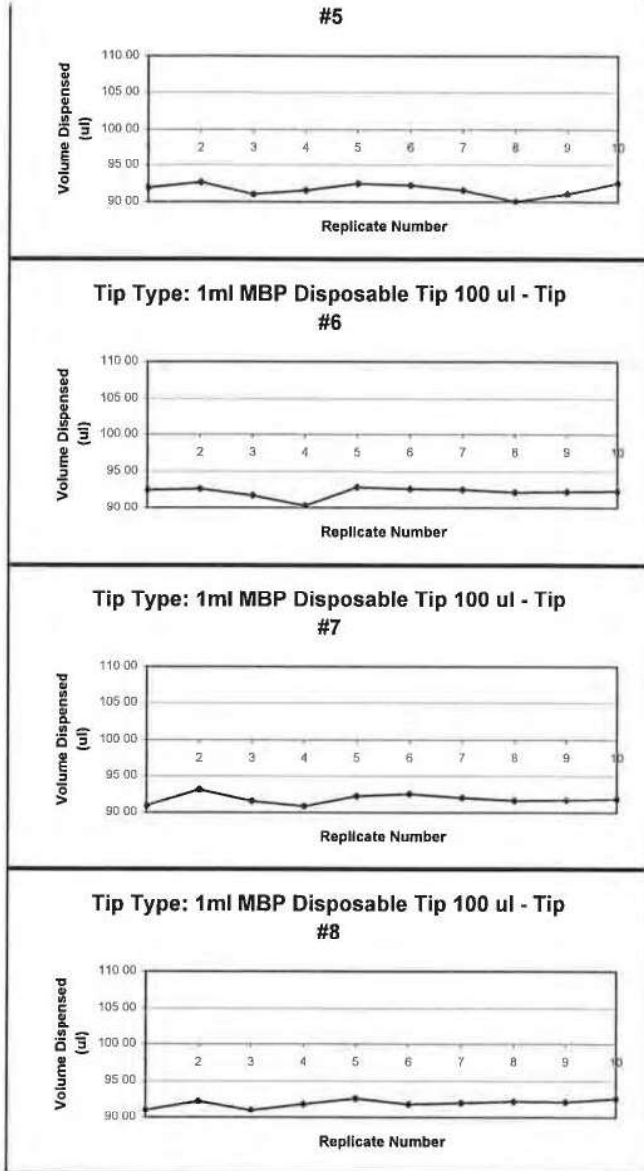
Mean 92.19
Std. Dev. 0.72
% CV 0.78

Tip # 7

Mean 91.85
Std. Dev. 0.69
% CV 0.76

Tip # 8

Mean 91.97
Std. Dev. 0.56
% CV 0.61



Comment: WaterWaste 1mL DT_FW_QHSS calibrate @ 100uL (23.6) 12112007

Platform A

Balance Test Results

Model: MPIO HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/12/07
 Technician: GSL

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 7210337
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

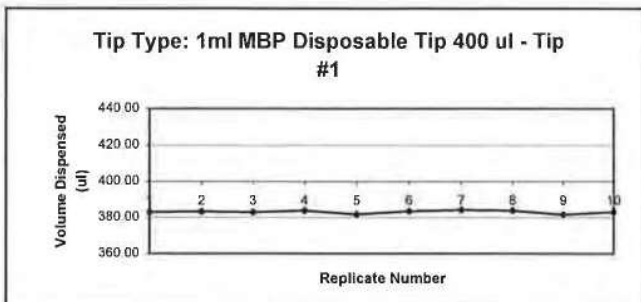
Across tips	
Mean	382.75
Std. Dev.	1.19
%CV	0.31
% Inaccuracy	4.3

Performance File: WaterWaste 1mL DT_FW_QHSS.prf
 Requested Volume (ul): 400

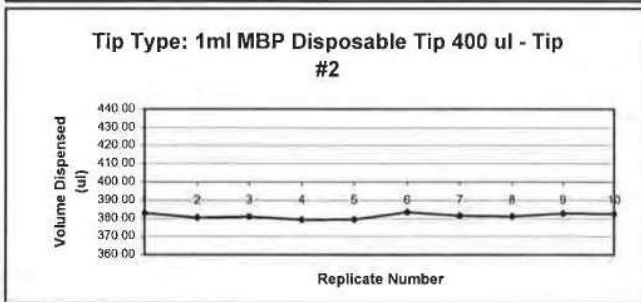
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-400ul-400ul-Run3

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	382.80	-0.04
1	2	383.10	0.26
1	3	382.70	-0.14
1	4	383.50	0.66
1	5	381.49	-1.35
1	6	383.20	0.36
1	7	383.90	1.06
1	8	383.50	0.66
1	9	381.29	-1.55
1	10	382.90	0.06
2	1	382.90	1.47
2	2	380.39	-1.04
2	3	380.99	-0.44
2	4	379.29	-2.14
2	5	379.49	-1.94
2	6	383.40	1.97
2	7	381.49	0.06
2	8	381.19	-0.24
2	9	382.70	1.27
2	10	382.50	1.07
3	1	382.50	-0.86
3	2	384.10	0.74
3	3	381.59	-1.77
3	4	381.90	-1.46
3	5	383.30	-0.06
3	6	382.90	-0.46
3	7	384.60	1.24
3	8	384.30	0.94
3	9	384.30	0.94
3	10	384.10	0.74
4	1	383.80	0.90
4	2	383.40	0.50
4	3	383.00	0.10
4	4	381.19	-1.71
4	5	382.40	-0.50
4	6	383.60	0.70
4	7	382.70	-0.20
4	8	383.10	0.20
4	9	383.40	0.50
4	10	382.40	-0.50
5	1	382.20	-0.59
5	2	381.79	-1.00

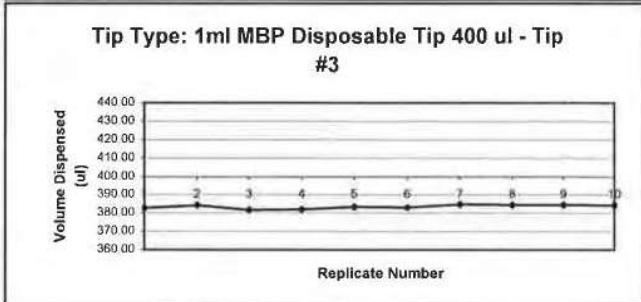
Tip # 1
 Mean 382.84
 Std. Dev. 0.85
 % CV 0.22



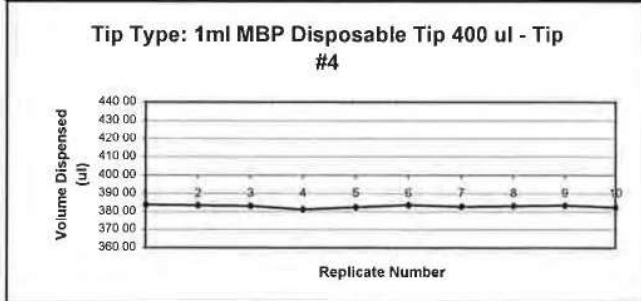
Tip # 2
 Mean 381.43
 Std. Dev. 1.43
 % CV 0.38



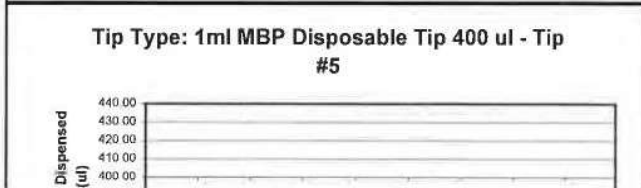
Tip # 3
 Mean 383.36
 Std. Dev. 1.09
 % CV 0.28



Tip # 4
 Mean 382.90
 Std. Dev. 0.77
 % CV 0.20



Tip # 5
 Mean 382.79



5	3	383.70	0.91
5	4	381.19	-1.60
5	5	384.00	1.21
5	6	384.30	1.51
5	7	381.59	-1.20
5	8	384.10	1.31
5	9	381.49	-1.30
5	10	383.50	0.71
6	1	382.10	-0.15
6	2	381.59	-0.66
6	3	381.79	-0.46
6	4	383.60	1.35
6	5	382.80	0.55
6	6	382.90	0.65
6	7	383.20	0.95
6	8	380.99	-1.26
6	9	382.90	0.65
6	10	380.59	-1.66
7	1	382.60	-1.31
7	2	383.00	-0.91
7	3	384.10	0.19
7	4	383.90	-0.01
7	5	384.60	0.69
7	6	384.40	0.49
7	7	384.20	0.29
7	8	384.10	0.19
7	9	384.00	0.09
7	10	384.20	0.29
8	1	383.70	1.15
8	2	383.10	0.55
8	3	382.50	-0.05
8	4	383.00	0.45
8	5	382.60	0.05
8	6	383.10	0.55
8	7	382.70	0.15
8	8	380.39	-2.16
8	9	382.30	-0.25
8	10	382.10	-0.45

Std. Dev. 1.24
% CV 0.32

Tip # 6

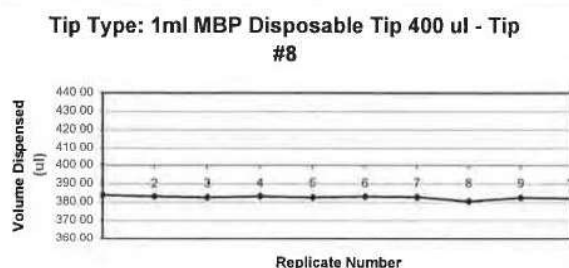
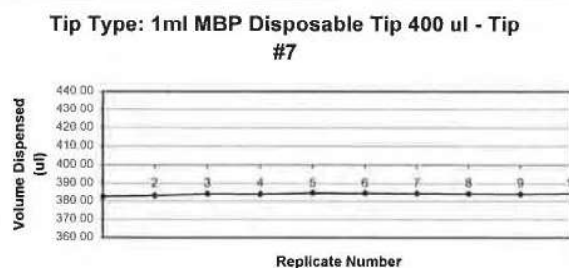
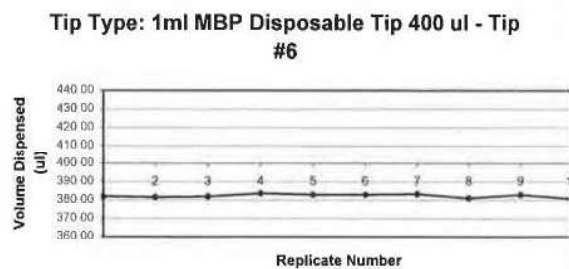
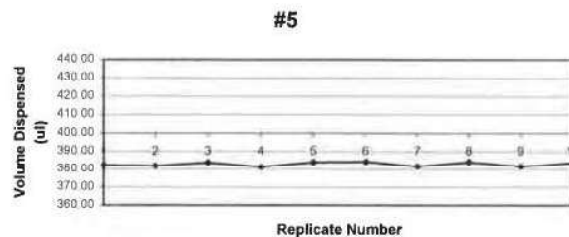
Mean 382.25
Std. Dev. 0.99
% CV 0.26

Tip # 7

Mean 383.91
Std. Dev. 0.62
% CV 0.16

Tip # 8

Mean 382.55
Std. Dev. 0.89
% CV 0.23



Comment: WaterWaste 1mL DT_FW_QHSS calibrate @ 400uL (23.6) 12112007

Platform - A

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/12/07
 Technician: GSL

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 7210337
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

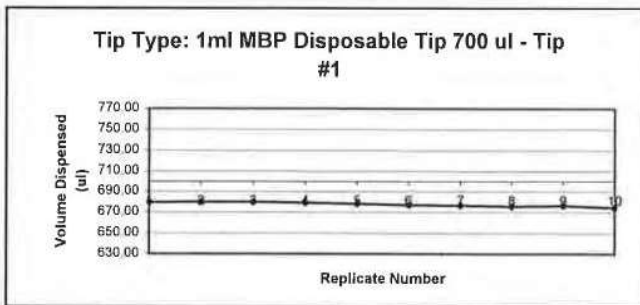
Across tips	
Mean	675.79
Std. Dev.	2.08
%CV	0.31
% Inaccuracy	3.5

Performance File: WaterWaste 1mL_DT_FW_QHSS.prf
 Requested Volume (ul): 700

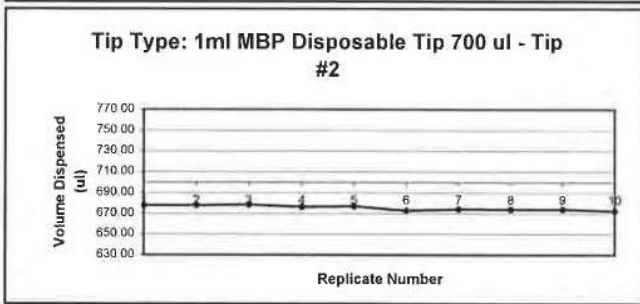
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-700ul-700ul-Run4

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	679.39	1.84
1	2	679.93	2.38
1	3	679.93	2.38
1	4	679.03	1.48
1	5	677.98	0.43
1	6	676.78	-0.77
1	7	676.36	-1.19
1	8	675.63	-1.92
1	9	676.07	-1.48
1	10	674.37	-3.18
2	1	677.78	2.31
2	2	677.96	2.49
2	3	678.40	2.93
2	4	676.48	1.01
2	5	676.95	1.48
2	6	672.68	-2.79
2	7	674.25	-1.22
2	8	673.96	-1.51
2	9	673.83	-1.64
2	10	672.39	-3.08
3	1	677.58	0.73
3	2	680.12	3.27
3	3	678.68	1.83
3	4	675.72	-1.13
3	5	678.72	1.87
3	6	676.02	-0.83
3	7	676.09	-0.76
3	8	675.09	-1.76
3	9	675.25	-1.60
3	10	675.26	-1.59
4	1	678.13	2.39
4	2	675.94	0.20
4	3	676.71	0.97
4	4	677.13	1.39
4	5	677.34	1.60
4	6	675.23	-0.51
4	7	674.54	-1.20
4	8	674.70	-1.04
4	9	673.74	-2.00
4	10	673.90	-1.84
5	1	677.63	1.45
5	2	677.85	1.67

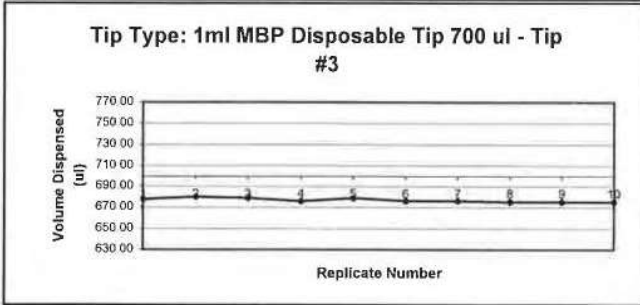
Tip # 1
 Mean 677.55
 Std. Dev. 1.97
 % CV 0.29



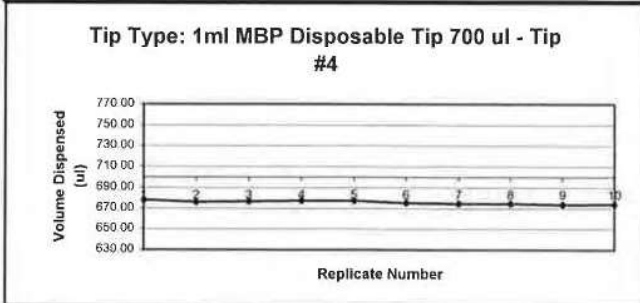
Tip # 2
 Mean 675.47
 Std. Dev. 2.29
 % CV 0.34



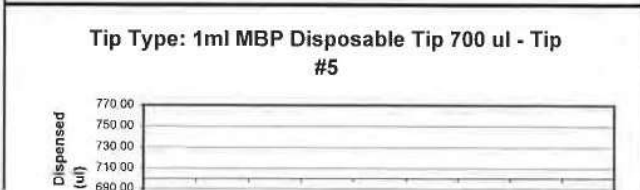
Tip # 3
 Mean 676.85
 Std. Dev. 1.79
 % CV 0.26



Tip # 4
 Mean 675.74
 Std. Dev. 1.54
 % CV 0.23



Tip # 5
 Mean 676.18



5	3	677.75	1.57
5	4	677.89	1.71
5	5	677.16	0.98
5	6	676.15	-0.03
5	7	674.91	-1.27
5	8	675.25	-0.93
5	9	674.53	-1.65
5	10	672.69	-3.49
6	1	675.16	0.57
6	2	676.14	1.55
6	3	674.72	0.13
6	4	676.65	2.06
6	5	675.68	1.09
6	6	673.20	-1.38
6	7	674.13	-0.46
6	8	673.56	-1.03
6	9	673.05	-1.54
6	10	673.56	-1.03
7	1	678.64	2.06
7	2	678.44	1.86
7	3	678.06	1.48
7	4	675.95	-0.63
7	5	677.77	1.19
7	6	675.86	-0.72
7	7	675.56	-1.02
7	8	674.86	-1.72
7	9	675.16	-1.42
7	10	675.46	-1.12
8	1	676.16	2.76
8	2	672.17	-1.23
8	3	674.99	1.59
8	4	675.47	2.07
8	5	673.65	0.25
8	6	672.95	-0.45
8	7	672.25	-1.15
8	8	671.85	-1.55
8	9	672.45	-0.95
8	10	672.05	-1.35

Std. Dev. 1.78
% CV 0.26

Tip # 6

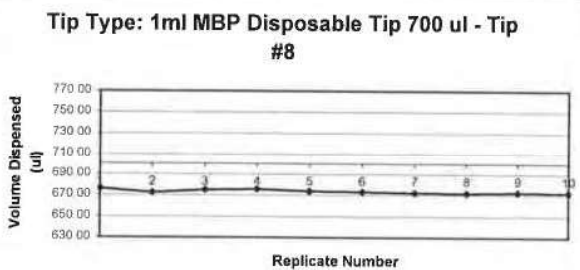
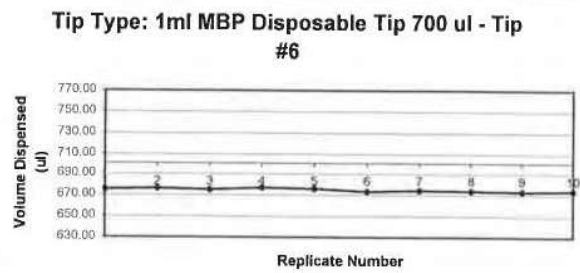
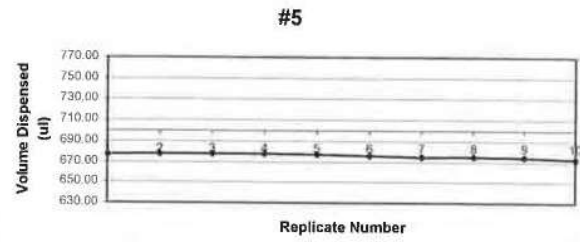
Mean 674.59
Std. Dev. 1.28
% CV 0.19

Tip # 7

Mean 676.58
Std. Dev. 1.47
% CV 0.22

Tip # 8

Mean 673.40
Std. Dev. 1.59
% CV 0.24



Comment: WaterWaste 1mL DT_FW_QHSS calibrate @ 700uL (23.6) 12112007

Platform A

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/09/07
 Technician: GSL

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 7210337
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997304
 System Liquid: Nano Pure Water

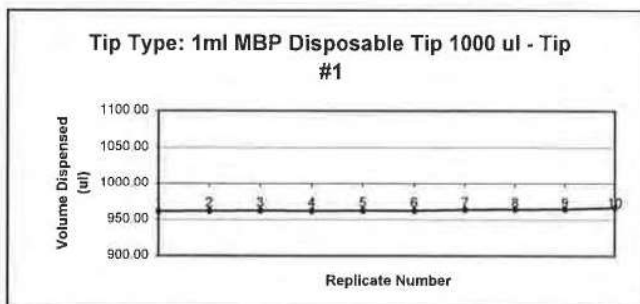
Across tips	
Mean	962.85
Std. Dev.	2.36
%CV	0.24
% Inaccuracy	3.7

Performance File: WaterWaste 1mL_DT_FW_QHSS.prf
 Requested Volume (ul): 1000

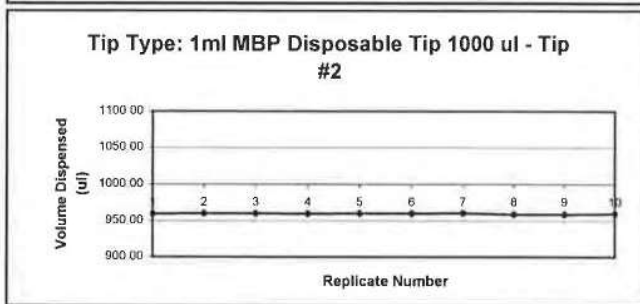
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-1000ul-Run5

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	961.00	-1.79
1	2	961.41	-1.38
1	3	962.01	-0.78
1	4	961.61	-1.18
1	5	962.11	-0.68
1	6	962.11	-0.68
1	7	963.11	0.32
1	8	963.81	1.02
1	9	964.21	1.42
1	10	966.52	3.73
2	1	959.20	-0.22
2	2	960.00	0.58
2	3	959.90	0.48
2	4	959.50	0.08
2	5	959.60	0.18
2	6	959.70	0.28
2	7	960.30	0.88
2	8	958.30	-1.12
2	9	958.40	-1.02
2	10	959.30	-0.12
3	1	965.82	0.74
3	2	964.91	-0.17
3	3	964.21	-0.87
3	4	966.42	1.34
3	5	963.91	-1.17
3	6	964.11	-0.97
3	7	965.01	-0.07
3	8	964.91	-0.17
3	9	966.72	1.64
3	10	964.81	-0.27
4	1	962.61	-0.13
4	2	962.91	0.17
4	3	962.61	-0.13
4	4	964.11	1.37
4	5	961.91	-0.83
4	6	962.91	0.17
4	7	962.11	-0.63
4	8	962.91	0.17
4	9	963.01	0.27
4	10	962.31	-0.43
5	1	964.01	-0.03
5	2	963.81	-0.23

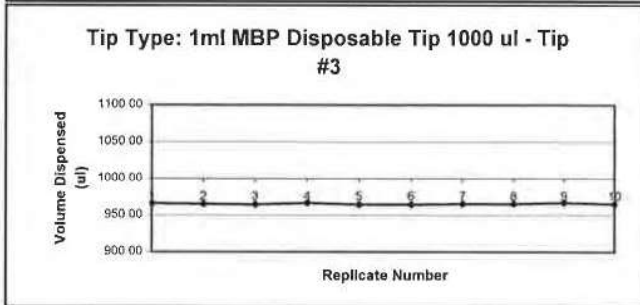
Tip # 1
 Mean 962.79
 Std. Dev. 1.67
 % CV 0.17



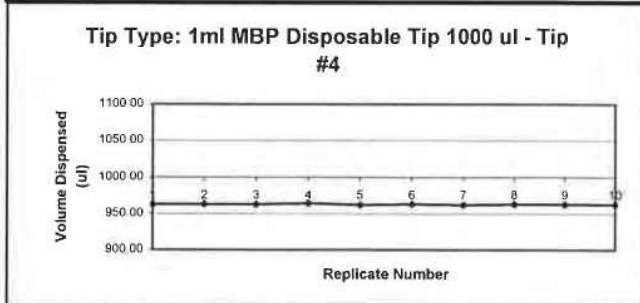
Tip # 2
 Mean 959.42
 Std. Dev. 0.65
 % CV 0.07



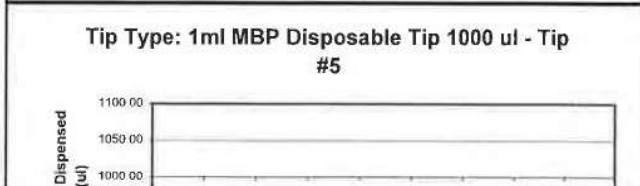
Tip # 3
 Mean 965.08
 Std. Dev. 0.96
 % CV 0.10



Tip # 4
 Mean 962.74
 Std. Dev. 0.61
 % CV 0.06



Tip # 5
 Mean 964.04



5	3	964.21	0.17
5	4	963.01	-1.03
5	5	964.41	0.37
5	6	965.52	1.48
5	7	964.01	-0.03
5	8	963.81	-0.23
5	9	963.31	-0.73
5	10	964.31	0.27
6	1	961.20	-0.83
6	2	962.11	0.08
6	3	961.81	-0.22
6	4	961.91	-0.12
6	5	961.71	-0.32
6	6	961.10	-0.93
6	7	962.81	0.78
6	8	962.21	0.18
6	9	962.31	0.28
6	10	963.11	1.08
7	1	965.22	-0.79
7	2	965.72	-0.29
7	3	966.62	0.61
7	4	968.42	2.41
7	5	965.01	-1.00
7	6	966.32	0.31
7	7	965.22	-0.79
7	8	966.82	0.81
7	9	965.62	-0.39
7	10	965.12	-0.89
8	1	957.70	-2.97
8	2	960.70	0.03
8	3	963.81	3.14
8	4	960.90	0.23
8	5	960.50	-0.17
8	6	962.71	2.04
8	7	962.91	2.24
8	8	961.71	1.04
8	9	957.70	-2.97
8	10	958.10	-2.57

Std. Dev. 0.68
% CV 0.07

Tip # 6

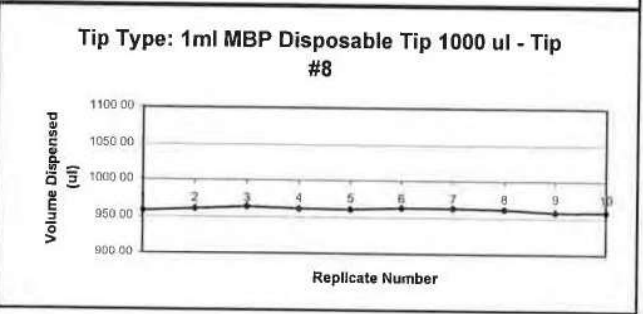
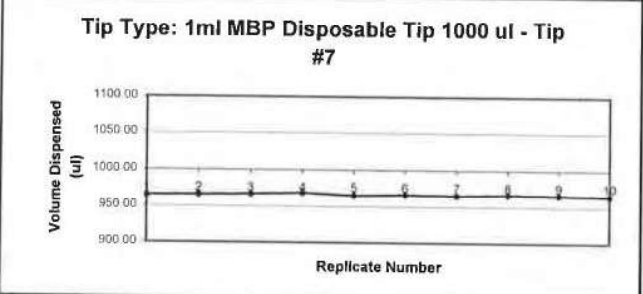
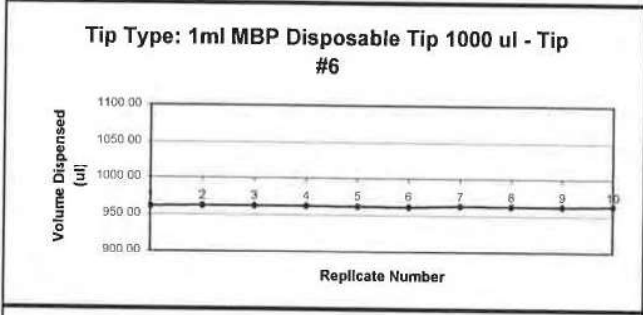
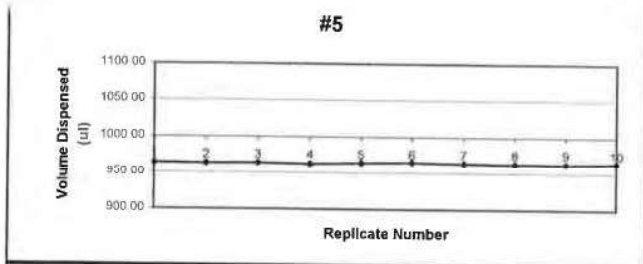
Mean 962.03
Std. Dev. 0.63
% CV 0.07

Tip # 7

Mean 966.01
Std. Dev. 1.07
% CV 0.11

Tip # 8

Mean 960.67
Std. Dev. 2.22
% CV 0.23

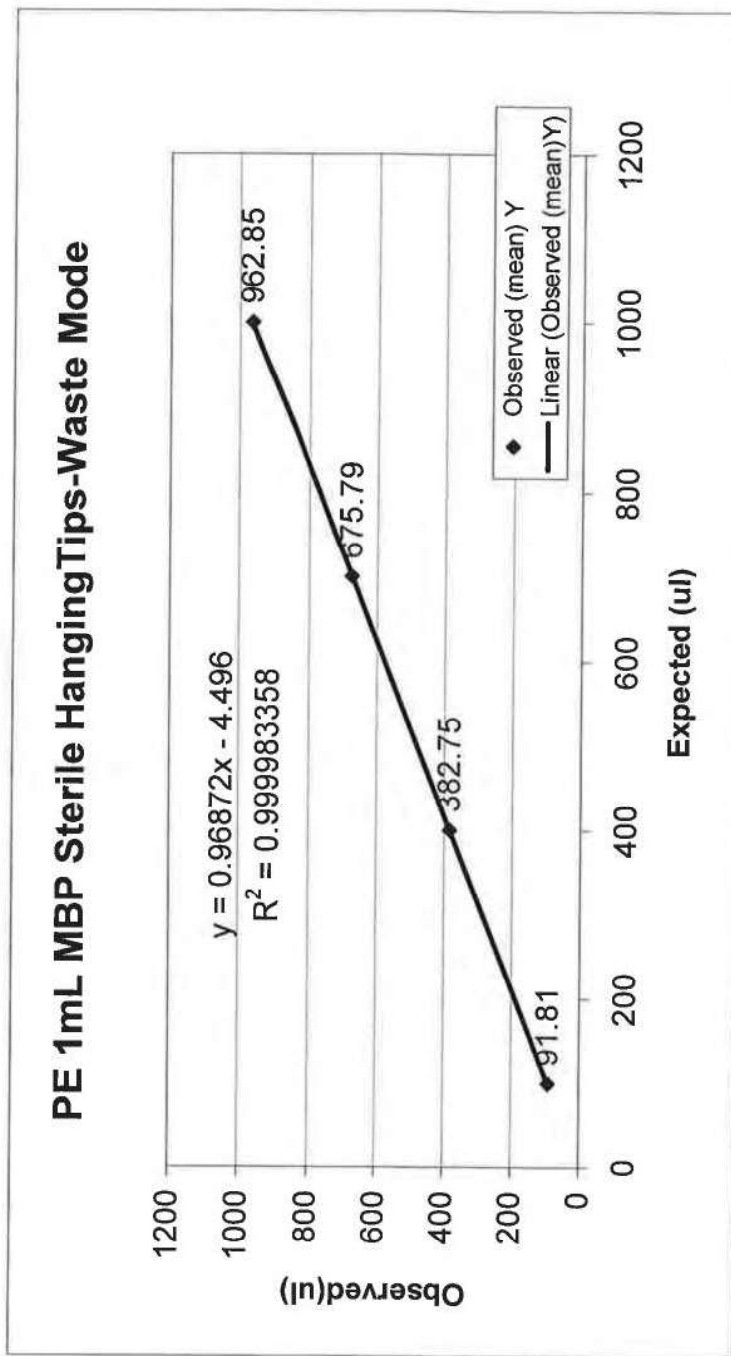


Comment: WaterWaste 1mL DT_FW_QHSS calibrate @ 1000uL (23.6) 09112007

Gravimetric Assessment Extraction Platform_A 1 mL MBP disposable tips - WaterWaste Mode 12112007

Expected X	Observed (mean) Y
1000	962.85
700	675.79
400	382.75
100	91.81

Slope 0.96872
 Offset -4.496
 R2 0.999983358



9.2 Assessment

- All operations during the course of these duties assume that staff will observe compliance to the QLD Health organisational policies and regulations on WHS, security and confidentiality. This will not specifically be covered by the scope of this assessment.
- Prior to commencement of assessment modules staff should have completed training checklist with the trainer and have familiarised themselves with reference documentation
- Completion of this Module will be in the work environment during work hours. Assessment should be completed within 2 weeks and documentation returned to the training coordinator.
- To facilitate completion, manuals, procedures, flowcharts etc may be used if required. However no discussion must be entered into in relation to completing this assessment or authenticity of knowledge will be jeopardized. By signing the assessment record, staff will acknowledge responsibility for ownership of work.

Trainee _____ Date _____ Signature _____

PART A- Demonstrated Ability

Refer to Training Checklist for Sign off in Demonstrated ability

Trainee _____ Date _____

PART B – Demonstrate understanding of underpinning knowledge

Collection of evidence of skills and underpinning knowledge in Generic Operational Duties within Forensic Biology

Written Questions

Question 1 (KPC 1.1)

Why is it critical to empty bins from the PCR room directly into the wheelie bin placed outside the exit door?

Question 2 (EC 2 + 4)

What do you do if you drop a sample?

Question 3 (KPC5.3)

What should you wear when entering an area in the DNA suite or examination areas?

Colib check

Platform A

Balance Test Results

Model: MPII HT EX
 Serial Number: DG1005
 WinPrep Version: 1.22.0252
 Date: 11/12/07
 Technician: GSL

Tip Type: 1ml MBP Disposable Tip
 Disposable Tip Lot #: 7210337
 Sample Type: Nano Pure Water
 Sample Density (g/ml): 0.997394
 System Liquid: Nano Pure Water

Across tips	
Mean	99.22
Std. Dev.	0.71
%CV	0.71
% Inaccuracy	0.8

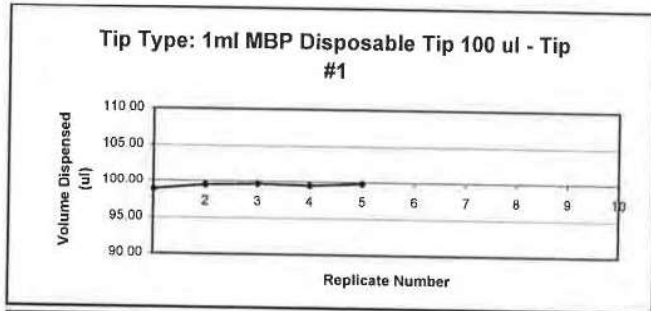
Performance File: WaterWaste 1mL_DT_FW_QHSS12112007.prf

Requested Volume (ul): 100

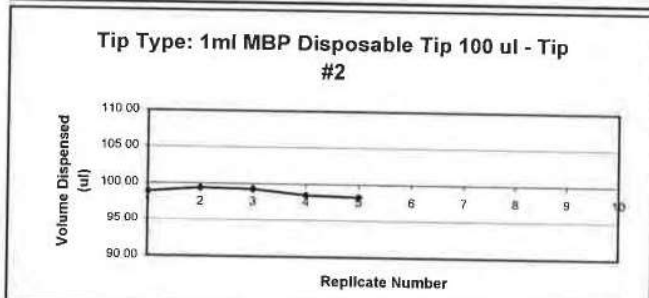
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-100ul-0ul-Run3

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	98.86	-0.58
1	2	99.46	0.02
1	3	99.66	0.22
1	4	99.46	0.02
1	5	99.76	0.32
1	6		-99.44
1	7		-99.44
1	8		-99.44
1	9		-99.44
1	10		-99.44
2	1	98.86	0.02
2	2	99.36	0.52
2	3	99.26	0.42
2	4	98.46	-0.38
2	5	98.26	-0.58
2	6		-98.84
2	7		-98.84
2	8		-98.84
2	9		-98.84
2	10		-98.84
3	1	100.16	0.72
3	2	98.26	-1.18
3	3	99.96	0.52
3	4	99.56	0.12
3	5	99.26	-0.18
3	6		-99.44
3	7		-99.44
3	8		-99.44
3	9		-99.44
3	10		-99.44
4	1	100.16	0.64
4	2	98.96	-0.56
4	3	98.76	-0.76
4	4	99.46	-0.06
4	5	100.26	0.74
4	6		-99.52
4	7		-99.52
4	8		-99.52
4	9		-99.52
4	10		-99.52
5	1	99.86	0.74
5	2	98.46	-0.66

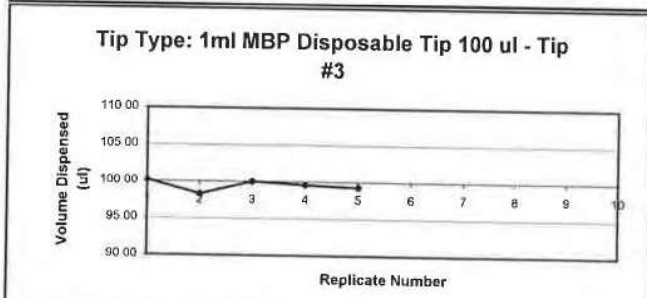
Tip # 1
 Mean 99.44
 Std. Dev. 0.35
 % CV 0.35



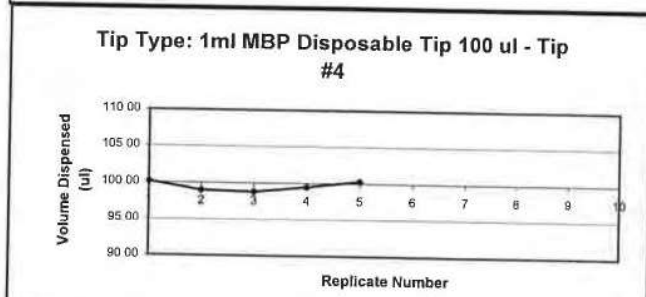
Tip # 2
 Mean 98.84
 Std. Dev. 0.48
 % CV 0.49



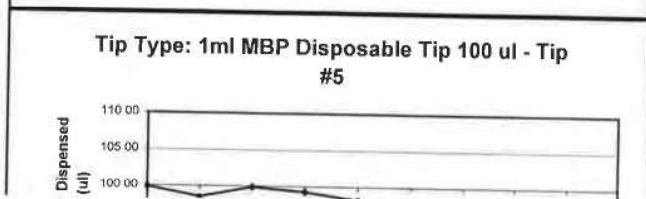
Tip # 3
 Mean 99.44
 Std. Dev. 0.75
 % CV 0.75



Tip # 4
 Mean 99.52
 Std. Dev. 0.68
 % CV 0.68



Tip # 5
 Mean 99.12



5	3	99.86	0.74
5	4	99.26	0.14
5	5	98.16	-0.96
5	6		-99.12
5	7		-99.12
5	8		-99.12
5	9		-99.12
5	10		-99.12
6	1	99.86	0.20
6	2	99.86	0.20
6	3	99.56	-0.10
6	4	100.06	0.40
6	5	98.96	-0.70
6	6		-99.66
6	7		-99.66
6	8		-99.66
6	9		-99.66
6	10		-99.66
7	1	99.76	1.12
7	2	98.86	0.22
7	3	97.55	-1.09
7	4	98.16	-0.48
7	5	98.86	0.22
7	6		-98.64
7	7		-98.64
7	8		-98.64
7	9		-98.64
7	10		-98.64
8	1	100.46	1.32
8	2	99.16	0.02
8	3	98.46	-0.68
8	4	99.56	0.42
8	5	98.06	-1.08
8	6		-99.14
8	7		-99.14
8	8		-99.14
8	9		-99.14
8	10		-99.14

Std. Dev. 0.79
% CV 0.79

Tip # 6

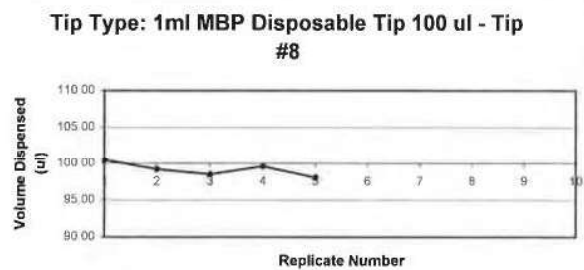
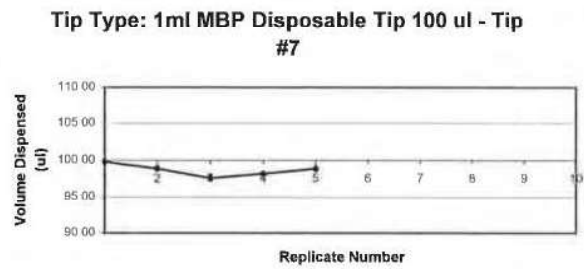
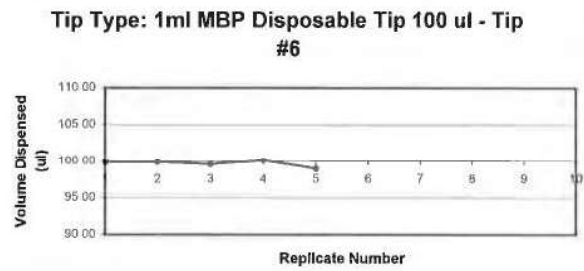
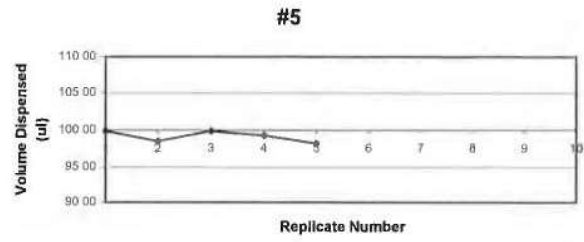
Mean 99.66
Std. Dev. 0.43
% CV 0.43

Tip # 7

Mean 98.64
Std. Dev. 0.83
% CV 0.84

Tip # 8

Mean 99.14
Std. Dev. 0.94
% CV 0.95



Comment: WaterWaste 1mL DT_FW_QHSS with Newslope&Offset @ 100uL (23.6) 12112007

Colib. check

Platform A
New slope / offset

Balance Test Results

Model: MPII HT EX
Serial Number: DG1005
WinPrep Version: 1.22.0252
Date: 11/12/07
Technician: GSL
Performance File: WaterWaste 1mL DT_FW_QHSS12112007.prf
Requested Volume (ul): 1000

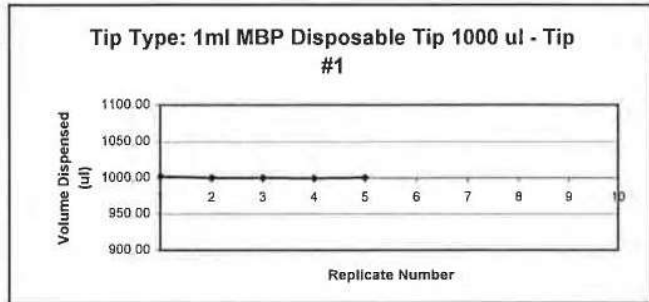
Tip Type: 1ml MBP Disposable Tip
Disposable Tip Lot #: 7210337
Sample Type: Nano Pure Water
Sample Density (g/ml): 0.997394
System Liquid: Nano Pure Water

Across tips	
Mean	999.11
Std. Dev.	2.35
%CV	0.24
% Inaccuracy	0.1

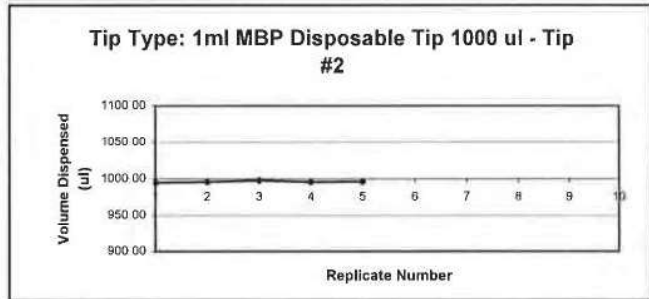
C:\Packard\MultiPROBE\bin\Balance\BAL-DG1005-1000ul-0ul-Run3

Tip #	Repl #	Dsp. Wt.	# Std from Mean
1	1	1002.11	1.72
1	2	999.81	-0.58
1	3	1000.01	-0.38
1	4	999.60	-0.79
1	5	1000.41	0.02
1	6		-1000.39
1	7		-1000.39
1	8		-1000.39
1	9		-1000.39
1	10		-1000.39
2	1	994.49	-1.34
2	2	995.59	-0.24
2	3	997.60	1.77
2	4	995.69	-0.14
2	5	995.80	-0.03
2	6		-995.83
2	7		-995.83
2	8		-995.83
2	9		-995.83
2	10		-995.83
3	1	1002.71	1.10
3	2	1000.41	-1.20
3	3	1000.21	-1.40
3	4	1002.21	0.60
3	5	1002.51	0.90
3	6		-1001.61
3	7		-1001.61
3	8		-1001.61
3	9		-1001.61
3	10		-1001.61
4	1	998.80	0.64
4	2	998.90	0.74
4	3	997.50	-0.66
4	4	997.70	-0.46
4	5	997.90	-0.26
4	6		-998.16
4	7		-998.16
4	8		-998.16
4	9		-998.16
4	10		-998.16
5	1	1001.31	0.16
5	2	1001.41	0.26

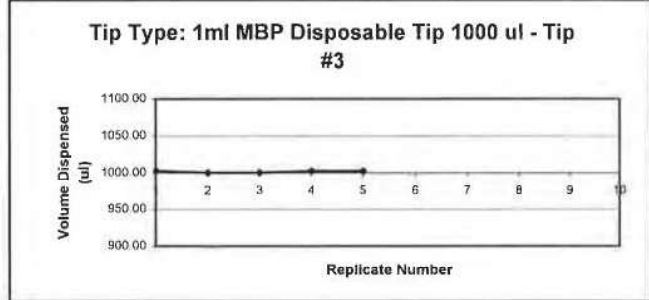
Tip # 1
Mean 1000.39
Std. Dev. 1.01
% CV 0.10



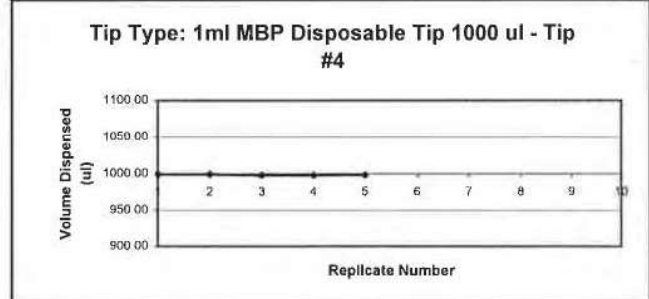
Tip # 2
Mean 995.83
Std. Dev. 1.12
% CV 0.11



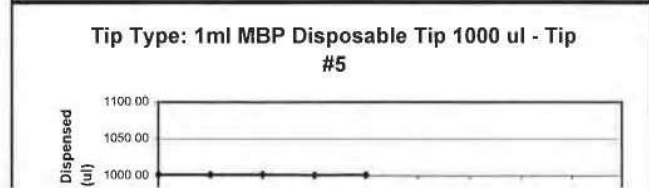
Tip # 3
Mean 1001.61
Std. Dev. 1.20
% CV 0.12



Tip # 4
Mean 998.16
Std. Dev. 0.65
% CV 0.06



Tip # 5
Mean 1001.15



5	3	1001.51	0.36
5	4	1000.51	-0.64
5	5	1001.01	-0.14
5	6		-1001.15
5	7		-1001.15
5	8		-1001.15
5	9		-1001.15
5	10		-1001.15
6	1	996.10	-1.30
6	2	996.90	-0.50
6	3	998.00	0.60
6	4	998.80	1.40
6	5	997.20	-0.20
6	6		-997.40
6	7		-997.40
6	8		-997.40
6	9		-997.40
6	10		-997.40
7	1	1001.71	0.08
7	2	1001.81	0.18
7	3	1001.61	-0.02
7	4	1001.71	0.08
7	5	1001.31	-0.32
7	6		-1001.63
7	7		-1001.63
7	8		-1001.63
7	9		-1001.63
7	10		-1001.63
8	1	996.50	-0.24
8	2	997.40	0.66
8	3	996.30	-0.44
8	4	997.10	0.36
8	5	996.40	-0.34
8	6		-996.74
8	7		-996.74
8	8		-996.74
8	9		-996.74
8	10		-996.74

Std. Dev. 0.40
% CV 0.04

Tip # 6

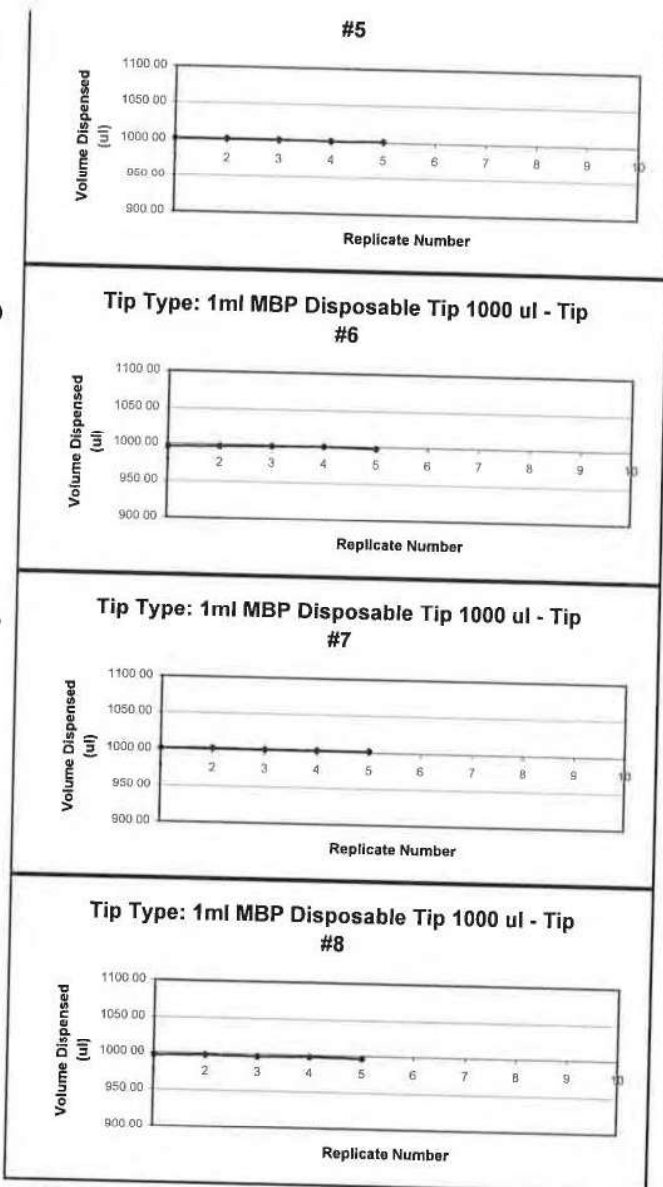
Mean 997.40
Std. Dev. 1.04
% CV 0.10

Tip # 7

Mean 1001.63
Std. Dev. 0.19
% CV 0.02

Tip # 8

Mean 996.74
Std. Dev. 0.48
% CV 0.05



Comment: WaterWaste 1mL DT_FW_QHSS with Newslope&Offset @ 1000uL (23.6) 12112007