# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100719\
Data File : BG043081.D
Acq On : 7 Oct 2019 23:39
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Oct 08 03:56:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 25 15:35:52 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 89 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 35.503 | 11.2 | 87 | -0.02 |
| 3 | | Pyridine | 40.000 | 39.885 | 0.3 | 90 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.519 | 3.7 | 87 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.608 | -2.0 | 94 | -0.02 |
| 6 | | Aniline | 40.000 | 41.667 | -4.2 | 94 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 85.269 | -6.6 | 96 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 42.973 | -7.4 | 97 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 33.409 | 16.5 | 70 | -0.02 |
| 10 | C | Phenol | 40.000 | 42.937 | -7.3 | 97 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.302 | -0.8 | 92 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.908 | -2.3 | 94 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.180 | -2.9 | 94 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.469 | -3.7 | 96 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 28.804 | 28.0# | 64 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.585 | 16.0 | 76 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 44.602 | -11.5 | 98 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 40.101 | -0.3 | 93 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.758 | -6.9 | 95 | -0.03 |
| 20 | | 3+4-Methylphenols | 40.000 | 44.795 | -12.0 | 100 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 94 | -0.02 |
| 22 | | Acetophenone | 40.000 | 41.488 | -3.7 | 90 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.221 | 1.0 | 93 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 39.356 | 1.6 | 94 | -0.02 |
| 25 | | Isophorone | 40.000 | 40.963 | -2.4 | 96 | -0.03 |
| 26 | C | 2-Nitrophenol | 40.000 | 46.045 | -15.1 | 111 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.431 | -3.6 | 100 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.826 | -2.1 | 95 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.920 | -9.8 | 102 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.023 | -2.6 | 99 | -0.02 |
| 31 | | Naphthalene | 40.000 | 41.625 | -4.1 | 100 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 39.131 | 2.2 | 77 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 43.790 | -9.5 | 102 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.589 | 1.0 | 96 | -0.02 |
| 35 | | Caprolactam | 40.000 | 45.744 | -14.4 | 107 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 44.223 | -10.6 | 102 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.890 | -7.2 | 101 | -0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 43.009 | -7.5 | 104 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 95 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.284 | -0.7 | 86 | -0.02 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 36.945 | 7.6 | 90 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 90.546 | -13.2 | 113 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.690 | -6.7 | 104 | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 42.990 | -7.5 | 106 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 83.082 | -3.9 | 101 | -0.02 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.387 | -1.0 | 90 | -0.01 |
| 47 | | 2-Chloronaphthalene | 40.000 | 42.064 | -5.2 | 103 | -0.02 |
| 48 | | 2-Nitroaniline | 40.000 | 41.839 | -4.6 | 102 | -0.01 |
| 49 | | Acenaphthylene | 40.000 | 42.093 | -5.2 | 104 | -0.01 |
| 50 | | Dimethylphthalate | 40.000 | 42.061 | -5.2 | 104 | -0.02 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 44.373 | -10.9 | 108 | -0.01 |
| 52 | C | Acenaphthene | 40.000 | 39.120 | 2.2 | 93 | -0.01 |
| 53 | | 3-Nitroaniline | 40.000 | 42.626 | -6.6 | 104 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 45.066 | -12.7 | 110 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 42.143 | -5.4 | 103 | -0.01 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.251 | 4.4 | 92 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 43.826 | -9.6 | 107 | -0.02 |
| 58 | | Fluorene | 40.000 | 41.595 | -4.0 | 102 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.487 | -1.2 | 99 | -0.02 |
| 60 | | Diethylphthalate | 40.000 | 41.710 | -4.3 | 102 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 41.207 | -3.0 | 102 | -0.02 |
| 62 | | 4-Nitroaniline | 40.000 | 41.957 | -4.9 | 105 | -0.01 |
| 63 | | Azobenzene | 40.000 | 38.539 | 3.7 | 94 | -0.02 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 97 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.259 | -10.6 | 105 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 43.114 | -7.8 | 103 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 43.448 | -8.6 | 103 | -0.02 |
| 68 | | Hexachlorobenzene | 40.000 | 43.887 | -9.7 | 106 | -0.02 |
| 69 | | Atrazine | 40.000 | 34.872 | 12.8 | 81 | -0.02 |
| 70 | C | Pentachlorophenol | 40.000 | 40.729 | -1.8 | 97 | -0.01 |
| 71 | | Phenanthrene | 40.000 | 41.763 | -4.4 | 100 | -0.02 |
| 72 | | Anthracene | 40.000 | 42.159 | -5.4 | 101 | -0.02 |
| 73 | | Carbazole | 40.000 | 41.722 | -4.3 | 101 | -0.02 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.770 | -4.4 | 99 | -0.02 |
| 75 | C | Fluoranthene | 40.000 | 40.648 | -1.6 | 98 | -0.02 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 92 | -0.03 |
| 77 | | Benzidine | 40.000 | 23.369 | 41.6# | 51 | -0.01 |
| 78 | | Pyrene | 40.000 | 42.625 | -6.6 | 97 | -0.01 |
| 79 | S | Terphenyl-d14 | 80.000 | 90.101 | -12.6 | 98 | -0.02 |
| 80 | | Butylbenzylphthalate | 40.000 | 43.689 | -9.2 | 101 | -0.03 |
| 81 | | Benzo(a)anthracene | 40.000 | 42.426 | -6.1 | 98 | -0.03 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.107 | -10.3 | 100 | -0.02 |
| 83 | | Chrysene | 40.000 | 41.537 | -3.8 | 97 | -0.03 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.092 | -7.7 | 101 | -0.03 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 44.396 | -11.0 | 103 | -0.04 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 44.240 | -10.6 | 104 | -0.08 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 95 | -0.05 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 42.497 | -6.2 | 102 | -0.04 |
| 89 | Benzo(k)fluoranthene | 40.000 | 40.915 | -2.3 | 98 | -0.04 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.840 | -4.6 | 101 | -0.05 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 43.248 | -8.1 | 105 | -0.09 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 42.962 | -7.4 | 105 | -0.08 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0