# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
Data File : BG040725.D
Acq On : 3 May 2019 15:20
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 03 23:16:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 123 | 0.00 |
| 2 | | 1,4-Dioxane | 0.516 | 0.559 | -8.3 | 139 | 0.00 |
| 3 | | Pyridine | 1.496 | 1.638 | -9.5 | 133 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.830 | 0.863 | -4.0 | 134 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.135 | 1.221 | -7.6 | 136 | 0.00 |
| 6 | | Aniline | 2.315 | 2.354 | -1.7 | 128 | -0.01 |
| 7 | S | Phenol-d6 | 1.747 | 1.872 | -7.2 | 136 | 0.00 |
| 8 | | 2-Chlorophenol | 1.385 | 1.446 | -4.4 | 131 | -0.01 |
| 9 | | Benzaldehyde | 1.083 | 1.136 | -4.9 | 136 | -0.01 |
| 10 | C | Phenol | 1.878 | 2.034 | -8.3 | 137 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.408 | 1.492 | -6.0 | 134 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.512 | 1.583 | -4.7 | 132 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.533 | 1.613 | -5.2 | 133 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.478 | 1.538 | -4.1 | 132 | -0.01 |
| 15 | | Benzyl Alcohol | 1.818 | 1.846 | -1.5 | 127 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.804 | 2.565 | 8.5 | 116 | 0.00 |
| 17 | | 2-Methylphenol | 1.329 | 1.366 | -2.8 | 131 | -0.01 |
| 18 | | Hexachloroethane | 0.629 | 0.634 | -0.8 | 129 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.573 | 1.524 | 3.1 | 125 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.851 | 1.916 | -3.5 | 130 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 123 | -0.01 |
| 22 | | Acetophenone | 0.556 | 0.593 | -6.7 | 131 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.433 | 0.493 | -13.9 | 141 | -0.01 |
| 24 | | Nitrobenzene | 0.462 | 0.511 | -10.6 | 139 | -0.01 |
| 25 | | Isophorone | 0.964 | 0.965 | -0.1 | 124 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.166 | 0.214 | -28.9# | 161# | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.311 | 0.327 | -5.1 | 131 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.484 | 0.496 | -2.5 | 126 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.353 | 0.393 | -11.3 | 136 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.392 | 0.433 | -10.5 | 136 | -0.01 |
| 31 | | Naphthalene | 1.063 | 1.112 | -4.6 | 128 | -0.01 |
| 32 | | Benzoic acid | 0.213 | 0.286 | -34.3# | 171# | -0.01 |
| 33 | | 4-Chloroaniline | 0.471 | 0.496 | -5.3 | 132 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.289 | 0.335 | -15.9 | 144 | -0.01 |
| 35 | | Caprolactam | 0.139 | 0.140 | -0.7 | 123 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.445 | 0.490 | -10.1 | 140 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.794 | 0.835 | -5.2 | 129 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.777 | 0.818 | -5.3 | 130 | -0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 125 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.745 | 0.837 | -12.3 | 141 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 0.440 | 0.618 | -40.5# | 178# | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.275 | 0.323 | -17.5 | 150 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 0.450 | 0.524 | -16.4 | 150# | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 0.490 | 0.579 | -18.2 | 150# | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.385 | 1.478 | -6.7 | 133 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.553 | 1.608 | -3.5 | 130 | -0.01 |
| 47 | | 2-Chloronaphthalene | 1.215 | 1.320 | -8.6 | 137 | -0.01 |
| 48 | | 2-Nitroaniline | 0.433 | 0.534 | -23.3 | 159# | 0.00 |
| 49 | | Acenaphthylene | 2.062 | 2.138 | -3.7 | 129 | -0.01 |
| 50 | | Dimethylphthalate | 1.673 | 1.767 | -5.6 | 132 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.327 | 0.392 | -19.9 | 151# | -0.01 |
| 52 | C | Acenaphthene | 1.201 | 1.218 | -1.4 | 131 | -0.01 |
| 53 | | 3-Nitroaniline | 0.335 | 0.395 | -17.9 | 149 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 0.161 | 0.175 | -8.7 | 142 | 0.00 |
| 55 | | Dibenzofuran | 1.967 | 2.106 | -7.1 | 136 | -0.01 |
| 56 | P | 4-Nitrophenol | 0.290 | 0.317 | -9.3 | 141 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.444 | 0.572 | -28.8# | 165# | 0.00 |
| 58 | | Fluorene | 1.590 | 1.686 | -6.0 | 134 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.494 | 0.575 | -16.4 | 146 | -0.01 |
| 60 | | Diethylphthalate | 1.766 | 1.841 | -4.2 | 132 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.925 | 1.037 | -12.1 | 142 | -0.02 |
| 62 | | 4-Nitroaniline | 0.374 | 0.444 | -18.7 | 150# | -0.01 |
| 63 | | Azobenzene | 1.818 | 1.822 | -0.2 | 126 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 132 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.092 | 0.117 | -27.2# | 181# | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 0.588 | 0.578 | 1.7 | 131 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.249 | 0.262 | -5.2 | 142 | -0.01 |
| 68 | | Hexachlorobenzene | 0.258 | 0.267 | -3.5 | 140 | -0.01 |
| 69 | | Atrazine | 0.233 | 0.223 | 4.3 | 124 | -0.01 |
| 70 | C | Pentachlorophenol | 0.151 | 0.170 | -12.6 | 150 | 0.00 |
| 71 | | Phenanthrene | 1.077 | 1.094 | -1.6 | 134 | -0.01 |
| 72 | | Anthracene | 1.083 | 1.086 | -0.3 | 132 | -0.02 |
| 73 | | Carbazole | 0.987 | 0.983 | 0.4 | 131 | -0.01 |
| 74 | | Di-n-butylphthalate | 1.191 | 1.175 | 1.3 | 131 | -0.02 |
| 75 | C | Fluoranthene | 1.342 | 1.386 | -3.3 | 137 | -0.02 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 133 | -0.02 |
| 77 | | Benzidine | 0.548 | 0.479 | 12.6 | 110 | -0.01 |
| 78 | | Pyrene | 1.254 | 1.293 | -3.1 | 135 | -0.01 |
| 79 | S | Terphenyl-d14 | 0.903 | 0.916 | -1.4 | 132 | -0.02 |
| 80 | | Butylbenzylphthalate | 0.489 | 0.500 | -2.2 | 136 | -0.02 |
| 81 | | Benzo(a)anthracene | 1.264 | 1.294 | -2.4 | 135 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.451 | 0.467 | -3.5 | 136 | -0.02 |
| 83 | | Chrysene | 1.202 | 1.231 | -2.4 | 135 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.705 | 0.689 | 2.3 | 129 | -0.03 |
| 85 | c | Di-n-octyl phthalate | 1.188 | 1.153 | 2.9 | 129 | -0.05 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.453 | 1.404 | 3.4 | 129 | -0.07 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 133 | -0.04 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.222 | 1.292 | -5.7 | 140 | -0.03 |
| 89 | Benzo(k)fluoranthene | 1.141 | 1.189 | -4.2 | 138 | -0.03 |
| 90 C | Benzo(a)pyrene | 1.157 | 1.210 | -4.6 | 138 | -0.04 |
| 91 | Dibenzo(a,h)anthracene | 1.171 | 1.127 | 3.8 | 127 | -0.07 |
| 92 | Benzo(g,h,i)perylene | 1.165 | 1.081 | 7.2 | 122 | -0.07 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1