# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG091018\
Data File : BG036643.D
Acq On : 11 Sep 2018 2:48
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 11 03:23:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
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 | 125 | 0.00 |
| 2 | | 1,4-Dioxane | 0.588 | 0.527 | 10.4 | 117 | 0.00 |
| 3 | | Pyridine | 1.652 | 1.544 | 6.5 | 115 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.736 | 0.669 | 9.1 | 114 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.261 | 1.232 | 2.3 | 122 | 0.00 |
| 6 | | Aniline | 2.291 | 2.111 | 7.9 | 116 | 0.00 |
| 7 | S | Phenol-d6 | 1.805 | 1.781 | 1.3 | 124 | 0.00 |
| 8 | | 2-Chlorophenol | 1.367 | 1.322 | 3.3 | 121 | 0.00 |
| 9 | | Benzaldehyde | 1.243 | 1.138 | 8.4 | 123 | 0.00 |
| 10 | C | Phenol | 1.889 | 1.850 | 2.1 | 123 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.498 | 1.390 | 7.2 | 118 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.561 | 1.492 | 4.4 | 122 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.576 | 1.530 | 2.9 | 124 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.505 | 1.432 | 4.9 | 122 | 0.00 |
| 15 | | Benzyl Alcohol | 1.455 | 1.358 | 6.7 | 115 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 3.020 | 2.603 | 13.8 | 110 | 0.00 |
| 17 | | 2-Methylphenol | 1.254 | 1.209 | 3.6 | 122 | 0.00 |
| 18 | | Hexachloroethane | 0.565 | 0.554 | 1.9 | 122 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.349 | 1.219 | 9.6 | 115 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.751 | 1.745 | 0.3 | 126 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 131 | 0.00 |
| 22 | | Acetophenone | 0.525 | 0.471 | 10.3 | 117 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.369 | 0.379 | -2.7 | 131 | 0.00 |
| 24 | | Nitrobenzene | 0.397 | 0.386 | 2.8 | 124 | 0.00 |
| 25 | | Isophorone | 0.732 | 0.641 | 12.4 | 114 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.158 | 0.175 | -10.8 | 145 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.292 | 0.267 | 8.6 | 121 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.449 | 0.406 | 9.6 | 118 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.320 | 0.326 | -1.9 | 131 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.374 | 0.364 | 2.7 | 130 | 0.00 |
| 31 | | Naphthalene | 1.000 | 0.927 | 7.3 | 121 | 0.00 |
| 32 | | Benzoic acid | 0.202 | 0.160 | 20.8 | 101 | 0.00 |
| 33 | | 4-Chloroaniline | 0.458 | 0.439 | 4.1 | 124 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.251 | 0.250 | 0.4 | 129 | 0.00 |
| 35 | | Caprolactam | 0.127 | 0.125 | 1.6 | 123 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.371 | 0.365 | 1.6 | 126 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.732 | 0.703 | 4.0 | 125 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 134 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.708 | 0.687 | 3.0 | 130 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.368 | 0.331 | 10.1 | 119 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.239 | 0.270 | -13.0 | 143 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.431 | 0.438 | -1.6 | 134 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.460 | 0.462 | -0.4 | 131 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.401 | 1.337 | 4.6 | 130 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.660 | 1.536 | 7.5 | 127 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.267 | 1.210 | 4.5 | 129 | 0.00 |
| 47 | | 2-Nitroaniline | 0.398 | 0.417 | -4.8 | 133 | 0.00 |
| 48 | | Acenaphthylene | 1.981 | 1.857 | 6.3 | 126 | 0.00 |
| 49 | | Dimethylphthalate | 1.633 | 1.567 | 4.0 | 129 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.336 | 0.348 | -3.6 | 136 | 0.00 |
| 51 | C | Acenaphthene | 1.269 | 1.164 | 8.3 | 123 | 0.00 |
| 52 | | 3-Nitroaniline | 0.362 | 0.389 | -7.5 | 133 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.127 | 0.076 | 40.2# | 79 | 0.00 |
| 54 | | Dibenzofuran | 1.987 | 1.909 | 3.9 | 130 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.296 | 0.256 | 13.5 | 110 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.438 | 0.510 | -16.4 | 152# | 0.00 |
| 57 | | Fluorene | 1.486 | 1.416 | 4.7 | 127 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.432 | 0.466 | -7.9 | 140 | 0.00 |
| 59 | | Diethylphthalate | 1.646 | 1.610 | 2.2 | 130 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.917 | 0.899 | 2.0 | 133 | 0.00 |
| 61 | | 4-Nitroaniline | 0.379 | 0.399 | -5.3 | 132 | 0.00 |
| 62 | | Azobenzene | 1.675 | 1.514 | 9.6 | 122 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 143 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.088 | 0.083 | 5.7 | 135 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.594 | 0.533 | 10.3 | 132 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.234 | 0.222 | 5.1 | 137 | 0.00 |
| 67 | | Hexachlorobenzene | 0.239 | 0.234 | 2.1 | 141 | 0.00 |
| 68 | | Atrazine | 0.223 | 0.178 | 20.2 | 117 | 0.00 |
| 69 | C | Pentachlorophenol | 0.163 | 0.183 | -12.3 | 150# | 0.00 |
| 70 | | Phenanthrene | 1.016 | 0.938 | 7.7 | 133 | 0.00 |
| 71 | | Anthracene | 1.013 | 0.935 | 7.7 | 133 | 0.00 |
| 72 | | Carbazole | 1.012 | 0.914 | 9.7 | 128 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.127 | 1.014 | 10.0 | 126 | 0.00 |
| 74 | C | Fluoranthene | 1.239 | 1.137 | 8.2 | 130 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 142 | 0.00 |
| 76 | | Benzidine | 0.638 | 0.493 | 22.7 | 118 | 0.00 |
| 77 | | Pyrene | 1.230 | 1.129 | 8.2 | 130 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.856 | 0.786 | 8.2 | 132 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.489 | 0.454 | 7.2 | 128 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.212 | 1.113 | 8.2 | 133 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.483 | 0.426 | 11.8 | 123 | 0.00 |
| 82 | | Chrysene | 1.148 | 1.065 | 7.2 | 133 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.685 | 0.621 | 9.3 | 127 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.144 | 1.028 | 10.1 | 124 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.334 | 1.100 | 17.5 | 117 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 143 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.111 | 1.017 | 8.5 | 129 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.085 | 1.038 | 4.3 | 136 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.067 | 0.990 | 7.2 | 131 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.030 | 0.828 | 19.6 | 114 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 1.035 | 0.860 | 16.9 | 118 | -0.01 |

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