# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033121\
Data File : BG048523.D
Acq On : 31 Mar 2021 10:09
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 31 11:41:50 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 31 11:41:32 2021
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 | 101 | 0.00 |
| 2 | | 1,4-Dioxane | 0.456 | 0.459 | -0.7 | 109 | 0.00 |
| 3 | | Pyridine | 1.143 | 1.256 | -9.9 | 106 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.747 | 0.814 | -9.0 | 111 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.133 | 1.199 | -5.8 | 106 | 0.00 |
| 6 | | Aniline | 1.887 | 1.852 | 1.9 | 102 | 0.00 |
| 7 | S | Phenol-d6 | 1.643 | 1.685 | -2.6 | 104 | 0.00 |
| 8 | | 2-Chlorophenol | 1.280 | 1.290 | -0.8 | 104 | 0.00 |
| 9 | | Benzaldehyde | 1.050 | 1.077 | -2.6 | 100 | 0.00 |
| 10 | C | Phenol | 1.645 | 1.706 | -3.7 | 108 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.141 | 1.105 | 3.2 | 98 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.442 | 1.478 | -2.5 | 104 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.454 | 1.461 | -0.5 | 103 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.393 | 1.447 | -3.9 | 107 | 0.00 |
| 15 | | Benzyl Alcohol | 1.346 | 1.440 | -7.0 | 106 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.101 | 1.125 | -2.2 | 100 | 0.00 |
| 17 | | 2-Methylphenol | 1.064 | 1.082 | -1.7 | 103 | 0.00 |
| 18 | | Hexachloroethane | 0.540 | 0.560 | -3.7 | 101 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.132 | 1.182 | -4.4 | 107 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.477 | 1.555 | -5.3 | 106 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 22 | | Acetophenone | 0.516 | 0.502 | 2.7 | 103 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.413 | 0.412 | 0.2 | 102 | 0.00 |
| 24 | | Nitrobenzene | 0.405 | 0.422 | -4.2 | 108 | 0.00 |
| 25 | | Isophorone | 0.763 | 0.750 | 1.7 | 103 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.186 | 0.180 | 3.2 | 107 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.293 | 0.291 | 0.7 | 105 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.350 | 0.347 | 0.9 | 105 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.332 | 0.332 | 0.0 | 106 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.381 | 0.382 | -0.3 | 107 | 0.00 |
| 31 | | Naphthalene | 1.028 | 1.011 | 1.7 | 104 | 0.00 |
| 32 | | Benzoic acid | 0.225 | 0.234 | -4.0 | 115 | 0.00 |
| 33 | | 4-Chloroaniline | 0.434 | 0.434 | 0.0 | 105 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.278 | 0.267 | 4.0 | 100 | 0.00 |
| 35 | | Caprolactam | 0.121 | 0.123 | -1.7 | 102 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.373 | 0.388 | -4.0 | 111 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.819 | 0.795 | 2.9 | 101 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.781 | 0.749 | 4.1 | 103 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.620 | 0.640 | -3.2 | 106 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.359 | 0.367 | -2.2 | 102 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.263 | 0.273 | -3.8 | 106 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.426 | 0.439 | -3.1 | 102 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.456 | 0.474 | -3.9 | 103 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.346 | 1.347 | -0.1 | 104 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.461 | 1.485 | -1.6 | 107 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.113 | 1.129 | -1.4 | 105 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.354 | 0.369 | -4.2 | 108 | 0.00 |
| 49 | | Acenaphthylene | 1.745 | 1.762 | -1.0 | 105 | 0.00 |
| 50 | | Dimethylphthalate | 1.484 | 1.506 | -1.5 | 106 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.340 | 0.349 | -2.6 | 103 | 0.00 |
| 52 | C | Acenaphthene | 1.262 | 1.288 | -2.1 | 105 | 0.00 |
| 53 | | 3-Nitroaniline | 0.333 | 0.351 | -5.4 | 108 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.191 | 0.204 | -6.8 | 102 | 0.00 |
| 55 | | Dibenzofuran | 1.844 | 1.861 | -0.9 | 106 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.269 | 0.284 | -5.6 | 106 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.480 | 0.518 | -7.9 | 108 | 0.00 |
| 58 | | Fluorene | 1.543 | 1.541 | 0.1 | 105 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.445 | 0.473 | -6.3 | 108 | 0.00 |
| 60 | | Diethylphthalate | 1.525 | 1.560 | -2.3 | 104 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.830 | 0.836 | -0.7 | 102 | 0.00 |
| 62 | | 4-Nitroaniline | 0.348 | 0.365 | -4.9 | 110 | 0.00 |
| 63 | | Azobenzene | 1.501 | 1.552 | -3.4 | 106 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.120 | 0.127 | -5.8 | 107 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.569 | 0.567 | 0.4 | 107 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.222 | 0.223 | -0.5 | 107 | 0.00 |
| 68 | | Hexachlorobenzene | 0.231 | 0.224 | 3.0 | 106 | 0.00 |
| 69 | | Atrazine | 0.232 | 0.235 | -1.3 | 110 | 0.00 |
| 70 | C | Pentachlorophenol | 0.144 | 0.150 | -4.2 | 106 | 0.00 |
| 71 | | Phenanthrene | 1.038 | 1.058 | -1.9 | 109 | 0.00 |
| 72 | | Anthracene | 1.035 | 1.030 | 0.5 | 107 | 0.00 |
| 73 | | Carbazole | 0.981 | 0.954 | 2.8 | 104 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.096 | 1.105 | -0.8 | 107 | 0.00 |
| 75 | C | Fluoranthene | 1.287 | 1.279 | 0.6 | 105 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 77 | | Benzidine | 0.677 | 0.734 | -8.4 | 112 | 0.00 |
| 78 | | Pyrene | 1.375 | 1.412 | -2.7 | 107 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.094 | 1.116 | -2.0 | 107 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.511 | 0.532 | -4.1 | 104 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.336 | 1.353 | -1.3 | 107 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.459 | 0.474 | -3.3 | 109 | 0.00 |
| 83 | | Chrysene | 1.275 | 1.291 | -1.3 | 105 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.711 | 0.739 | -3.9 | 106 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.240 | 1.276 | -2.9 | 107 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.402 | 1.436 | -2.4 | 110 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.299 | 1.327 | -2.2 | 107 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.249 | 1.267 | -1.4 | 109 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.197 | 1.217 | -1.7 | 108 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.197 | 1.195 | 0.2 | 107 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.172 | 1.186 | -1.2 | 109 | 0.00 |

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