# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG070120\
Data File : BG045899.D
Acq On : 1 Jul 2020 10:17
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 01 14:09:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 01 13:54:49 2020
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 | 124 | 0.00 |
| 2 | | 1,4-Dioxane | 0.542 | 0.481 | 11.3 | 104 | 0.00 |
| 3 | | Pyridine | 1.607 | 1.484 | 7.7 | 106 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.539 | 0.513 | 4.8 | 111 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.184 | 1.135 | 4.1 | 111 | 0.00 |
| 6 | | Aniline | 2.121 | 2.023 | 4.6 | 111 | 0.00 |
| 7 | S | Phenol-d6 | 1.801 | 1.682 | 6.6 | 108 | 0.00 |
| 8 | | 2-Chlorophenol | 1.267 | 1.186 | 6.4 | 111 | 0.00 |
| 9 | | Benzaldehyde | 1.082 | 0.920 | 15.0 | 101 | 0.00 |
| 10 | C | Phenol | 1.745 | 1.631 | 6.5 | 109 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.325 | 1.230 | 7.2 | 110 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.510 | 1.430 | 5.3 | 111 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.509 | 1.398 | 7.4 | 108 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.444 | 1.364 | 5.5 | 111 | 0.00 |
| 15 | | Benzyl Alcohol | 1.394 | 1.348 | 3.3 | 112 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.249 | 1.170 | 6.3 | 112 | 0.00 |
| 17 | | 2-Methylphenol | 1.299 | 1.203 | 7.4 | 107 | 0.00 |
| 18 | | Hexachloroethane | 0.573 | 0.550 | 4.0 | 112 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.184 | 1.098 | 7.3 | 108 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.708 | 1.620 | 5.2 | 109 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 120 | 0.00 |
| 22 | | Acetophenone | 0.549 | 0.540 | 1.6 | 109 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.438 | 0.431 | 1.6 | 110 | 0.00 |
| 24 | | Nitrobenzene | 0.467 | 0.462 | 1.1 | 109 | 0.00 |
| 25 | | Isophorone | 0.848 | 0.830 | 2.1 | 108 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.194 | 0.191 | 1.5 | 106 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.297 | 0.286 | 3.7 | 108 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.443 | 0.433 | 2.3 | 109 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.346 | 0.339 | 2.0 | 109 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.410 | 0.401 | 2.2 | 110 | 0.00 |
| 31 | | Naphthalene | 1.093 | 1.066 | 2.5 | 108 | 0.00 |
| 32 | | Benzoic acid | 0.170 | 0.182 | -7.1 | 123 | 0.00 |
| 33 | | 4-Chloroaniline | 0.458 | 0.449 | 2.0 | 109 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.292 | 0.289 | 1.0 | 109 | 0.00 |
| 35 | | Caprolactam | 0.112 | 0.113 | -0.9 | 114 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.400 | 0.391 | 2.3 | 109 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.814 | 0.791 | 2.8 | 108 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.771 | 0.745 | 3.4 | 107 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.659 | 0.625 | 5.2 | 106 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.299 | 0.256 | 14.4 | 94 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.302 | 0.271 | 10.3 | 103 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.446 | 0.421 | 5.6 | 107 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.509 | 0.469 | 7.9 | 104 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.361 | 1.303 | 4.3 | 107 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.432 | 1.360 | 5.0 | 107 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.157 | 1.107 | 4.3 | 109 | 0.00 |
| 48 | | 2-Nitroaniline | 0.385 | 0.376 | 2.3 | 110 | 0.00 |
| 49 | | Acenaphthylene | 1.853 | 1.761 | 5.0 | 107 | 0.00 |
| 50 | | Dimethylphthalate | 1.567 | 1.482 | 5.4 | 108 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.352 | 0.330 | 6.2 | 106 | 0.00 |
| 52 | C | Acenaphthene | 1.123 | 1.058 | 5.8 | 108 | 0.00 |
| 53 | | 3-Nitroaniline | 0.351 | 0.338 | 3.7 | 110 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.152 | 0.151 | 0.7 | 116 | 0.00 |
| 55 | | Dibenzofuran | 1.824 | 1.734 | 4.9 | 107 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.226 | 0.210 | 7.1 | 104 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.504 | 0.482 | 4.4 | 108 | 0.00 |
| 58 | | Fluorene | 1.517 | 1.422 | 6.3 | 106 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.442 | 0.380 | 14.0 | 97 | 0.00 |
| 60 | | Diethylphthalate | 1.602 | 1.530 | 4.5 | 108 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.874 | 0.841 | 3.8 | 109 | 0.00 |
| 62 | | 4-Nitroaniline | 0.361 | 0.358 | 0.8 | 111 | 0.00 |
| 63 | | Azobenzene | 1.538 | 1.471 | 4.4 | 110 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.124 | 0.120 | 3.2 | 106 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.566 | 0.548 | 3.2 | 107 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.260 | 0.253 | 2.7 | 107 | 0.00 |
| 68 | | Hexachlorobenzene | 0.269 | 0.266 | 1.1 | 111 | 0.00 |
| 69 | | Atrazine | 0.220 | 0.199 | 9.5 | 101 | 0.00 |
| 70 | C | Pentachlorophenol | 0.111 | 0.090 | 18.9 | 86 | 0.00 |
| 71 | | Phenanthrene | 1.031 | 0.992 | 3.8 | 106 | 0.00 |
| 72 | | Anthracene | 1.027 | 0.984 | 4.2 | 105 | 0.00 |
| 73 | | Carbazole | 0.978 | 0.951 | 2.8 | 106 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.158 | 1.147 | 0.9 | 108 | 0.00 |
| 75 | C | Fluoranthene | 1.268 | 1.219 | 3.9 | 106 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 115 | 0.00 |
| 77 | | Benzidine | 0.520 | 0.540 | -3.8 | 104 | 0.00 |
| 78 | | Pyrene | 1.339 | 1.328 | 0.8 | 104 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.987 | 0.984 | 0.3 | 103 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.561 | 0.558 | 0.5 | 105 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.297 | 1.265 | 2.5 | 104 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.490 | 0.489 | 0.2 | 105 | 0.00 |
| 83 | | Chrysene | 1.254 | 1.211 | 3.4 | 101 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.780 | 0.781 | -0.1 | 106 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.345 | 1.324 | 1.6 | 104 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.450 | 1.446 | 0.3 | 100 | 0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.254 | 1.293 | -3.1 | 103 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.200 | 1.185 | 1.2 | 97 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.171 | 1.178 | -0.6 | 101 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.163 | 1.195 | -2.8 | 103 | 0.01 |
| 92 | Benzo(g,h,i)perylene | 1.164 | 1.179 | -1.3 | 102 | 0.00 |

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