# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022420\
Data File : BG044573.D
Acq On : 24 Feb 2020 16:04
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG022420

Quant Time: Feb 24 17:48:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 24 16:11:23 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 | 96 | 0.00 |
| 2 | | 1,4-Dioxane | 0.544 | 0.510 | 6.3 | 98 | 0.00 |
| 3 | | Pyridine | 1.518 | 1.226 | 19.2 | 79 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.576 | 0.549 | 4.7 | 96 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.247 | 1.118 | 10.3 | 91 | 0.00 |
| 6 | | Aniline | 2.077 | 2.097 | -1.0 | 101 | 0.00 |
| 7 | S | Phenol-d6 | 1.706 | 1.592 | 6.7 | 92 | 0.00 |
| 8 | | 2-Chlorophenol | 1.361 | 1.344 | 1.2 | 99 | 0.00 |
| 9 | | Benzaldehyde | 1.003 | 0.976 | 2.7 | 97 | 0.00 |
| 10 | C | Phenol | 1.653 | 1.651 | 0.1 | 100 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.390 | 1.322 | 4.9 | 96 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.623 | 1.481 | 8.7 | 93 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.631 | 1.504 | 7.8 | 94 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.551 | 1.435 | 7.5 | 93 | 0.00 |
| 15 | | Benzyl Alcohol | 1.151 | 1.164 | -1.1 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.868 | 1.736 | 7.1 | 93 | 0.00 |
| 17 | | 2-Methylphenol | 1.181 | 1.183 | -0.2 | 99 | 0.00 |
| 18 | | Hexachloroethane | 0.596 | 0.533 | 10.6 | 91 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.097 | 1.082 | 1.4 | 97 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.617 | 1.625 | -0.5 | 98 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 22 | | Acetophenone | 0.502 | 0.521 | -3.8 | 106 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.388 | 0.344 | 11.3 | 90 | 0.00 |
| 24 | | Nitrobenzene | 0.376 | 0.357 | 5.1 | 97 | 0.00 |
| 25 | | Isophorone | 0.726 | 0.723 | 0.4 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.204 | 0.202 | 1.0 | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.286 | 0.328 | -14.7 | 116 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.480 | 0.446 | 7.1 | 95 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.342 | 0.334 | 2.3 | 98 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.396 | 0.358 | 9.6 | 94 | 0.00 |
| 31 | | Naphthalene | 1.091 | 1.048 | 3.9 | 98 | 0.00 |
| 32 | | Benzoic acid | 0.111 | 0.089 | 19.8 | 97 | 0.00 |
| 33 | | 4-Chloroaniline | 0.481 | 0.472 | 1.9 | 98 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.249 | 0.214 | 14.1 | 90 | 0.00 |
| 35 | | Caprolactam | 0.123 | 0.123 | 0.0 | 104 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.352 | 0.358 | -1.7 | 104 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.807 | 0.797 | 1.2 | 101 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.766 | 0.741 | 3.3 | 99 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.673 | 0.647 | 3.9 | 102 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.266 | 0.284 | -6.8 | 114 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.284 | 0.257 | 9.5 | 95 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.437 | 0.405 | 7.3 | 97 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.449 | 0.440 | 2.0 | 103 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.397 | 1.261 | 9.7 | 94 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.655 | 1.588 | 4.0 | 100 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.298 | 1.186 | 8.6 | 96 | 0.00 |
| 48 | | 2-Nitroaniline | 0.360 | 0.331 | 8.1 | 96 | 0.00 |
| 49 | | Acenaphthylene | 1.916 | 1.897 | 1.0 | 103 | 0.00 |
| 50 | | Dimethylphthalate | 1.614 | 1.526 | 5.5 | 99 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.356 | 0.348 | 2.2 | 103 | 0.00 |
| 52 | C | Acenaphthene | 1.221 | 1.152 | 5.7 | 99 | 0.00 |
| 53 | | 3-Nitroaniline | 0.384 | 0.355 | 7.6 | 96 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.171 | 0.169 | 1.2 | 101 | 0.00 |
| 55 | | Dibenzofuran | 1.872 | 1.833 | 2.1 | 102 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.264 | 0.273 | -3.4 | 106 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.501 | 0.496 | 1.0 | 104 | 0.00 |
| 58 | | Fluorene | 1.484 | 1.452 | 2.2 | 102 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.414 | 0.387 | 6.5 | 98 | 0.00 |
| 60 | | Diethylphthalate | 1.599 | 1.522 | 4.8 | 99 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.807 | 0.758 | 6.1 | 99 | 0.00 |
| 62 | | 4-Nitroaniline | 0.384 | 0.377 | 1.8 | 103 | 0.00 |
| 63 | | Azobenzene | 1.361 | 1.325 | 2.6 | 102 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.124 | 0.130 | -4.8 | 113 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.624 | 0.597 | 4.3 | 104 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.248 | 0.227 | 8.5 | 100 | 0.00 |
| 68 | | Hexachlorobenzene | 0.281 | 0.249 | 11.4 | 98 | 0.00 |
| 69 | | Atrazine | 0.231 | 0.218 | 5.6 | 103 | 0.00 |
| 70 | C | Pentachlorophenol | 0.116 | 0.111 | 4.3 | 101 | 0.00 |
| 71 | | Phenanthrene | 1.107 | 1.052 | 5.0 | 103 | 0.00 |
| 72 | | Anthracene | 1.091 | 1.078 | 1.2 | 107 | 0.00 |
| 73 | | Carbazole | 0.993 | 0.972 | 2.1 | 105 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.245 | 1.173 | 5.8 | 100 | 0.00 |
| 75 | C | Fluoranthene | 1.311 | 1.274 | 2.8 | 104 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 77 | | Benzidine | 0.685 | 0.588 | 14.2 | 85 | 0.00 |
| 78 | | Pyrene | 1.452 | 1.426 | 1.8 | 104 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.056 | 1.002 | 5.1 | 98 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.635 | 0.591 | 6.9 | 99 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.406 | 1.335 | 5.0 | 102 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.555 | 0.539 | 2.9 | 102 | 0.00 |
| 83 | | Chrysene | 1.359 | 1.295 | 4.7 | 102 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.875 | 0.831 | 5.0 | 101 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.540 | 1.480 | 3.9 | 100 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.744 | 1.670 | 4.2 | 103 | 0.00 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.315 | 1.262 | 4.0 | 102 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.276 | 1.232 | 3.4 | 103 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.235 | 1.229 | 0.5 | 107 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.222 | 1.189 | 2.7 | 104 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 1.224 | 1.202 | 1.8 | 106 | 0.00 |

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