# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091823\
Data File : BG059088.D
Acq On : 18 Sep 2023 17:30
Operator : MA/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
ICVBG091823

Quant Time: Sep 19 02:14:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG091823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 19 02:12:59 2023
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 | 90 | 0.00 |
| 2 | | 1,4-Dioxane | 0.624 | 0.552 | 11.5 | 87 | 0.00 |
| 3 | | Pyridine | 1.786 | 1.622 | 9.2 | 84 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.893 | 0.852 | 4.6 | 85 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.280 | 1.236 | 3.4 | 86 | 0.00 |
| 6 | | Aniline | 2.451 | 2.419 | 1.3 | 88 | 0.00 |
| 7 | S | Phenol-d6 | 1.903 | 1.910 | -0.4 | 88 | 0.00 |
| 8 | | 2-Chlorophenol | 1.451 | 1.442 | 0.6 | 90 | 0.00 |
| 9 | | Benzaldehyde | 1.031 | 1.047 | -1.6 | 88 | 0.00 |
| 10 | C | Phenol | 1.861 | 1.896 | -1.9 | 89 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.477 | 1.499 | -1.5 | 90 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.478 | 1.472 | 0.4 | 89 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.479 | 1.507 | -1.9 | 89 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.439 | 1.489 | -3.5 | 94 | 0.00 |
| 15 | | Benzyl Alcohol | 1.362 | 1.377 | -1.1 | 91 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.975 | 3.044 | -2.3 | 90 | 0.00 |
| 17 | | 2-Methylphenol | 1.444 | 1.481 | -2.6 | 93 | 0.00 |
| 18 | | Hexachloroethane | 0.520 | 0.526 | -1.2 | 89 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.219 | 1.232 | -1.1 | 91 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.955 | 2.029 | -3.8 | 91 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 22 | | Acetophenone | 0.515 | 0.494 | 4.1 | 91 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.374 | 0.375 | -0.3 | 91 | 0.00 |
| 24 | | Nitrobenzene | 0.359 | 0.358 | 0.3 | 93 | 0.00 |
| 25 | | Isophorone | 0.758 | 0.758 | 0.0 | 92 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.166 | 0.171 | -3.0 | 94 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.315 | 0.311 | 1.3 | 91 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.430 | 0.421 | 2.1 | 92 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.292 | 0.298 | -2.1 | 93 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.283 | 0.288 | -1.8 | 93 | 0.00 |
| 31 | | Naphthalene | 1.022 | 1.026 | -0.4 | 93 | 0.00 |
| 32 | | Benzoic acid | 0.218 | 0.244 | -11.9 | 103 | 0.00 |
| 33 | | 4-Chloroaniline | 0.458 | 0.464 | -1.3 | 96 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.171 | 0.171 | 0.0 | 95 | 0.00 |
| 35 | | Caprolactam | 0.115 | 0.115 | 0.0 | 97 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.340 | 0.344 | -1.2 | 95 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.726 | 0.728 | -0.3 | 94 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.684 | 0.694 | -1.5 | 97 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.502 | 0.509 | -1.4 | 96 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.274 | 0.280 | -2.2 | 95 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.230 | 0.231 | -0.4 | 94 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.367 | 0.373 | -1.6 | 95 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.436 | 0.441 | -1.1 | 95 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.339 | 1.354 | -1.1 | 96 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.414 | 1.407 | 0.5 | 95 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.099 | 1.106 | -0.6 | 93 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.399 | 0.413 | -3.5 | 96 | 0.00 |
| 49 | | Acenaphthylene | 1.817 | 1.801 | 0.9 | 93 | 0.00 |
| 50 | | Dimethylphthalate | 1.542 | 1.538 | 0.3 | 95 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.311 | 0.311 | 0.0 | 95 | 0.00 |
| 52 | C | Acenaphthene | 1.034 | 1.056 | -2.1 | 94 | 0.00 |
| 53 | | 3-Nitroaniline | 0.366 | 0.379 | -3.6 | 96 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.172 | 0.176 | -2.3 | 96 | 0.00 |
| 55 | | Dibenzofuran | 1.793 | 1.771 | 1.2 | 91 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.284 | 0.297 | -4.6 | 98 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.419 | 0.436 | -4.1 | 93 | 0.00 |
| 58 | | Fluorene | 1.475 | 1.441 | 2.3 | 91 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.361 | 0.356 | 1.4 | 91 | 0.00 |
| 60 | | Diethylphthalate | 1.533 | 1.503 | 2.0 | 93 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.667 | 0.667 | 0.0 | 91 | 0.00 |
| 62 | | 4-Nitroaniline | 0.366 | 0.370 | -1.1 | 96 | 0.00 |
| 63 | | Azobenzene | 1.509 | 1.479 | 2.0 | 93 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.116 | 0.117 | -0.9 | 93 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.593 | 0.588 | 0.8 | 92 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.194 | 0.197 | -1.5 | 97 | 0.00 |
| 68 | | Hexachlorobenzene | 0.201 | 0.201 | 0.0 | 97 | 0.00 |
| 69 | | Atrazine | 0.191 | 0.183 | 4.2 | 97 | 0.00 |
| 70 | C | Pentachlorophenol | 0.155 | 0.163 | -5.2 | 99 | 0.00 |
| 71 | | Phenanthrene | 1.061 | 1.066 | -0.5 | 97 | 0.00 |
| 72 | | Anthracene | 1.090 | 1.095 | -0.5 | 94 | 0.00 |
| 73 | | Carbazole | 1.034 | 1.038 | -0.4 | 97 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.267 | 1.272 | -0.4 | 96 | 0.00 |
| 75 | C | Fluoranthene | 1.248 | 1.260 | -1.0 | 96 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 77 | | Benzidine | 0.423 | 0.385 | 9.0 | 93 | 0.00 |
| 78 | | Pyrene | 1.411 | 1.453 | -3.0 | 99 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.063 | 1.059 | 0.4 | 97 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.585 | 0.586 | -0.2 | 99 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.356 | 1.364 | -0.6 | 99 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.489 | 0.497 | -1.6 | 98 | 0.00 |
| 83 | | Chrysene | 1.300 | 1.306 | -0.5 | 100 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.889 | 0.907 | -2.0 | 102 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.508 | 1.539 | -2.1 | 99 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.290 | 1.307 | -1.3 | 100 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.157 | 1.168 | -1.0 | 100 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.189 | 1.172 | 1.4 | 98 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.136 | 1.140 | -0.4 | 99 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.045 | 1.082 | -3.5 | 100 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.069 | 1.077 | -0.7 | 100 | 0.02 |

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