# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030325\
Data File : BG064042.D
Acq On : 3 Mar 2025 17:40
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
ICVBG030325

Quant Time: Mar 04 08:21:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 04 08:17:09 2025
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 | 0.584 | 0.538 | 7.9 | 94 | 0.00 |
| 3 | | Pyridine | 1.385 | 1.396 | -0.8 | 96 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 1.011 | 0.991 | 2.0 | 93 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.166 | 1.288 | -10.5 | 102 | 0.00 |
| 6 | | Aniline | 1.757 | 1.839 | -4.7 | 97 | 0.00 |
| 7 | S | Phenol-d6 | 1.645 | 1.858 | -12.9 | 102 | 0.00 |
| 8 | | 2-Chlorophenol | 1.240 | 1.387 | -11.9 | 103 | 0.00 |
| 9 | | Benzaldehyde | 0.981 | 1.079 | -10.0 | 103 | 0.00 |
| 10 | C | Phenol | 1.713 | 1.924 | -12.3 | 101 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.421 | 1.427 | -0.4 | 92 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.477 | 1.455 | 1.5 | 94 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.526 | 1.510 | 1.0 | 97 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.457 | 1.472 | -1.0 | 97 | 0.00 |
| 15 | | Benzyl Alcohol | 1.350 | 1.490 | -10.4 | 105 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 3.201 | 3.308 | -3.3 | 97 | 0.00 |
| 17 | | 2-Methylphenol | 1.153 | 1.296 | -12.4 | 99 | 0.00 |
| 18 | | Hexachloroethane | 0.512 | 0.552 | -7.8 | 101 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.289 | 1.460 | -13.3 | 99 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.654 | 1.803 | -9.0 | 100 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 22 | | Acetophenone | 0.552 | 0.557 | -0.9 | 96 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.344 | 0.391 | -13.7 | 101 | 0.00 |
| 24 | | Nitrobenzene | 0.363 | 0.404 | -11.3 | 101 | 0.00 |
| 25 | | Isophorone | 0.731 | 0.787 | -7.7 | 98 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.078 | 0.119 | -52.6# | 134 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.194 | 0.227 | -17.0 | 105 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.450 | 0.461 | -2.4 | 92 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.242 | 0.292 | -20.7# | 104 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.326 | 0.326 | 0.0 | 95 | 0.00 |
| 31 | | Naphthalene | 1.077 | 1.078 | -0.1 | 95 | 0.00 |
| 32 | | Benzoic acid | 0.121 | 0.162 | -33.9# | 139 | 0.00 |
| 33 | | 4-Chloroaniline | 0.399 | 0.428 | -7.3 | 98 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.212 | 0.212 | 0.0 | 95 | 0.00 |
| 35 | | Caprolactam | 0.097 | 0.119 | -22.7 | 119 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.342 | 0.387 | -13.2 | 99 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.777 | 0.794 | -2.2 | 97 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.776 | 0.784 | -1.0 | 96 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.555 | 0.572 | -3.1 | 99 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.148 | 0.163 | -10.1 | 101 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.182 | 0.243 | -33.5# | 118 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.288 | 0.361 | -25.3# | 109 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.327 | 0.397 | -21.4 | 105 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.315 | 1.329 | -1.1 | 96 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.525 | 1.541 | -1.0 | 95 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.097 | 1.117 | -1.8 | 97 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.267 | 0.372 | -39.3# | 125 | 0.00 |
| 49 | | Acenaphthylene | 1.732 | 1.795 | -3.6 | 97 | 0.00 |
| 50 | | Dimethylphthalate | 1.311 | 1.532 | -16.9 | 102 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.238 | 0.306 | -28.6# | 107 | 0.00 |
| 52 | C | Acenaphthene | 1.186 | 1.233 | -4.0 | 98 | 0.00 |
| 53 | | 3-Nitroaniline | 0.250 | 0.316 | -26.4# | 108 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.081 | 0.107 | -32.1# | 134 | 0.00 |
| 55 | | Dibenzofuran | 1.895 | 1.937 | -2.2 | 97 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.201 | 0.255 | -26.9# | 122 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.322 | 0.410 | -27.3# | 111 | 0.00 |
| 58 | | Fluorene | 1.462 | 1.489 | -1.8 | 96 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.306 | 0.405 | -32.4# | 116 | 0.00 |
| 60 | | Diethylphthalate | 1.387 | 1.675 | -20.8 | 106 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.739 | 0.753 | -1.9 | 98 | 0.00 |
| 62 | | 4-Nitroaniline | 0.276 | 0.326 | -18.1 | 103 | 0.00 |
| 63 | | Azobenzene | 1.736 | 1.783 | -2.7 | 97 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.060 | 0.076 | -26.7# | 131 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.555 | 0.577 | -4.0 | 99 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.205 | 0.211 | -2.9 | 102 | 0.00 |
| 68 | | Hexachlorobenzene | 0.229 | 0.235 | -2.6 | 97 | 0.00 |
| 69 | | Atrazine | 0.125 | 0.167 | -33.6# | 110 | 0.00 |
| 70 | C | Pentachlorophenol | 0.118 | 0.147 | -24.6# | 120 | 0.00 |
| 71 | | Phenanthrene | 1.064 | 1.069 | -0.5 | 99 | 0.00 |
| 72 | | Anthracene | 1.058 | 1.076 | -1.7 | 99 | 0.00 |
| 73 | | Carbazole | 0.940 | 0.986 | -4.9 | 102 | 0.00 |
| 74 | | Di-n-butylphthalate | 0.943 | 1.213 | -28.6# | 118 | 0.00 |
| 75 | C | Fluoranthene | 1.246 | 1.275 | -2.3 | 103 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 77 | | Benzidine | 0.257 | 0.340 | -32.3# | 116 | 0.00 |
| 78 | | Pyrene | 1.276 | 1.304 | -2.2 | 101 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.985 | 0.978 | 0.7 | 101 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.261 | 0.441 | -69.0# | 133 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.275 | 1.279 | -0.3 | 100 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.367 | 0.434 | -18.3 | 106 | 0.00 |
| 83 | | Chrysene | 1.277 | 1.274 | 0.2 | 99 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.531 | 0.726 | -36.7# | 125 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 0.928 | 1.182 | -27.4# | 128 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.329 | 1.397 | -5.1 | 102 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.195 | 1.249 | -4.5 | 101 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.216 | 1.256 | -3.3 | 98 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.066 | 1.112 | -4.3 | 101 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.098 | 1.164 | -6.0 | 102 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.143 | 1.185 | -3.7 | 101 | 0.00 |

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|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 5