# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080125\
Data File : BF143274.D
Acq On : 01 Aug 2025 10:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Aug 01 11:46:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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 | 72 | 0.00 |
| 2 | | 1,4-Dioxane | 0.598 | 0.489 | 18.2 | 59 | -0.02 |
| 3 | | Pyridine | 1.552 | 1.249 | 19.5 | 59 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.801 | 0.684 | 14.6 | 61 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.264 | 1.065 | 15.7 | 62 | 0.00 |
| 6 | | Aniline | 2.217 | 1.850 | 16.6 | 60 | 0.00 |
| 7 | S | Phenol-d6 | 1.591 | 1.351 | 15.1 | 62 | 0.00 |
| 8 | | 2-Chlorophenol | 1.325 | 1.150 | 13.2 | 63 | 0.00 |
| 9 | | Benzaldehyde | 1.193 | 1.023 | 14.2 | 51 | 0.00 |
| 10 | C | Phenol | 1.733 | 1.533 | 11.5 | 64 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.327 | 1.112 | 16.2 | 61 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.439 | 1.269 | 11.8 | 65 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.449 | 1.274 | 12.1 | 64 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.378 | 1.229 | 10.8 | 66 | 0.00 |
| 15 | | Benzyl Alcohol | 1.215 | 1.075 | 11.5 | 63 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.461 | 2.035 | 17.3 | 60 | 0.00 |
| 17 | | 2-Methylphenol | 1.114 | 0.962 | 13.6 | 63 | 0.00 |
| 18 | | Hexachloroethane | 0.502 | 0.457 | 9.0 | 66 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.021 | 0.860 | 15.8 | 63 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.351 | 1.189 | 12.0 | 64 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 71 | 0.00 |
| 22 | | Acetophenone | 0.474 | 0.406 | 14.3 | 63 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.401 | 0.369 | 8.0 | 66 | 0.00 |
| 24 | | Nitrobenzene | 0.374 | 0.339 | 9.4 | 64 | 0.00 |
| 25 | | Isophorone | 0.708 | 0.612 | 13.6 | 63 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.162 | 0.162 | 0.0 | 67 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.331 | 0.282 | 14.8 | 61 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.425 | 0.365 | 14.1 | 63 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.279 | 0.250 | 10.4 | 64 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.302 | 0.274 | 9.3 | 66 | 0.00 |
| 31 | | Naphthalene | 0.985 | 0.873 | 11.4 | 65 | 0.00 |
| 32 | | Benzoic acid | 0.169 | 0.154 | 8.9 | 61 | 0.00 |
| 33 | | 4-Chloroaniline | 0.402 | 0.352 | 12.4 | 64 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.184 | 0.172 | 6.5 | 67 | 0.00 |
| 35 | | Caprolactam | 0.084 | 0.078 | 7.1 | 63 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.303 | 0.274 | 9.6 | 65 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.599 | 0.533 | 11.0 | 65 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.617 | 0.551 | 10.7 | 65 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 70 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.577 | 0.528 | 8.5 | 67 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.376 | 0.309 | 17.8 | 58 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.207 | 0.191 | 7.7 | 64 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.400 | 0.347 | 13.3 | 63 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.400 | 0.373 | 6.8 | 65 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.462 | 1.298 | 11.2 | 67 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.560 | 1.389 | 11.0 | 65 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.155 | 1.031 | 10.7 | 66 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.362 | 0.353 | 2.5 | 66 | 0.00 |
| 49 | | Acenaphthylene | 1.935 | 1.703 | 12.0 | 64 | 0.00 |
| 50 | | Dimethylphthalate | 1.304 | 1.184 | 9.2 | 65 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.265 | 0.258 | 2.6 | 65 | 0.00 |
| 52 | C | Acenaphthene | 1.144 | 1.033 | 9.7 | 66 | 0.00 |
| 53 | | 3-Nitroaniline | 0.310 | 0.285 | 8.1 | 63 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.098 | 0.109 | -11.2 | 73 | 0.00 |
| 55 | | Dibenzofuran | 1.698 | 1.492 | 12.1 | 64 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.232 | 0.194 | 16.4 | 55 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.333 | 0.332 | 0.3 | 66 | 0.00 |
| 58 | | Fluorene | 1.274 | 1.135 | 10.9 | 66 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.331 | 0.300 | 9.4 | 63 | 0.00 |
| 60 | | Diethylphthalate | 1.289 | 1.154 | 10.5 | 64 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.635 | 0.574 | 9.6 | 66 | 0.00 |
| 62 | | 4-Nitroaniline | 0.266 | 0.252 | 5.3 | 63 | 0.00 |
| 63 | | Azobenzene | 1.343 | 1.149 | 14.4 | 61 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 70 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.094 | 0.098 | -4.3 | 70 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.704 | 0.617 | 12.4 | 64 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.238 | 0.211 | 11.3 | 64 | 0.00 |
| 68 | | Hexachlorobenzene | 0.249 | 0.225 | 9.6 | 65 | 0.00 |
| 69 | | Atrazine | 0.194 | 0.183 | 5.7 | 65 | 0.00 |
| 70 | C | Pentachlorophenol | 0.147 | 0.193 | -31.3# | 91 | 0.00 |
| 71 | | Phenanthrene | 1.062 | 0.937 | 11.8 | 64 | 0.00 |
| 72 | | Anthracene | 1.083 | 0.957 | 11.6 | 64 | 0.00 |
| 73 | | Carbazole | 0.946 | 0.842 | 11.0 | 63 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.070 | 0.998 | 6.7 | 65 | 0.00 |
| 75 | C | Fluoranthene | 0.975 | 0.888 | 8.9 | 65 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 74 | 0.00 |
| 77 | | Benzidine | 0.771 | 0.703 | 8.8 | 54 | 0.00 |
| 78 | | Pyrene | 1.707 | 1.513 | 11.4 | 65 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.344 | 1.186 | 11.8 | 67 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.523 | 0.555 | -6.1 | 75 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.339 | 1.255 | 6.3 | 72 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.446 | 0.424 | 4.9 | 73 | 0.00 |
| 83 | | Chrysene | 1.204 | 1.060 | 12.0 | 65 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.791 | 0.753 | 4.8 | 70 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.434 | 1.295 | 9.7 | 69 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 77 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.410 | 1.293 | 8.3 | 70 | 0.02 |
| 88 | | Benzo(b)fluoranthene | 1.222 | 1.061 | 13.2 | 71 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 1.090 | 0.975 | 10.6 | 66 | 0.01 |
| 90 | C | Benzo(a)pyrene | 1.126 | 0.999 | 11.3 | 69 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.148 | 1.043 | 9.1 | 70 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.110 | 1.033 | 6.9 | 72 | 0.02 |

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(#) = Out of Range SPCC's out = 0 CCC's out = 1