# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042125\
Data File : BF142207.D
Acq On : 21 Apr 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF042125

Quant Time: Apr 22 02:23:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 22 02:14:30 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 | 73 | 0.00 |
| 2 | | 1,4-Dioxane | 0.433 | 0.378 | 12.7 | 66 | -0.02 |
| 3 | | Pyridine | 0.940 | 0.887 | 5.6 | 68 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.382 | 0.366 | 4.2 | 70 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.067 | 1.059 | 0.7 | 73 | 0.00 |
| 6 | | Aniline | 1.234 | 1.222 | 1.0 | 72 | 0.00 |
| 7 | S | Phenol-d6 | 1.336 | 1.324 | 0.9 | 74 | 0.00 |
| 8 | | 2-Chlorophenol | 1.221 | 1.218 | 0.2 | 73 | 0.00 |
| 9 | | Benzaldehyde | 0.733 | 0.742 | -1.2 | 79 | 0.00 |
| 10 | C | Phenol | 1.409 | 1.398 | 0.8 | 73 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.063 | 1.007 | 5.3 | 72 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.384 | 1.380 | 0.3 | 75 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.419 | 1.386 | 2.3 | 74 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.320 | 1.312 | 0.6 | 75 | 0.00 |
| 15 | | Benzyl Alcohol | 0.974 | 1.009 | -3.6 | 76 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.030 | 0.971 | 5.7 | 71 | 0.00 |
| 17 | | 2-Methylphenol | 0.919 | 0.921 | -0.2 | 74 | 0.00 |
| 18 | | Hexachloroethane | 0.482 | 0.489 | -1.5 | 76 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.755 | 0.739 | 2.1 | 75 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.143 | 1.164 | -1.8 | 75 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 22 | | Acetophenone | 0.439 | 0.433 | 1.4 | 76 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.318 | 0.317 | 0.3 | 76 | 0.00 |
| 24 | | Nitrobenzene | 0.315 | 0.313 | 0.6 | 74 | 0.00 |
| 25 | | Isophorone | 0.535 | 0.521 | 2.6 | 75 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.166 | 0.177 | -6.6 | 77 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.216 | 0.217 | -0.5 | 75 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.351 | 0.337 | 4.0 | 73 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.293 | 0.293 | 0.0 | 75 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.343 | 0.337 | 1.7 | 75 | 0.00 |
| 31 | | Naphthalene | 0.945 | 0.955 | -1.1 | 78 | 0.00 |
| 32 | | Benzoic acid | 0.175 | 0.191 | -9.1 | 79 | 0.00 |
| 33 | | 4-Chloroaniline | 0.342 | 0.331 | 3.2 | 73 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.226 | 0.228 | -0.9 | 76 | 0.00 |
| 35 | | Caprolactam | 0.078 | 0.079 | -1.3 | 75 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.295 | 0.294 | 0.3 | 75 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.653 | 0.646 | 1.1 | 75 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.632 | 0.624 | 1.3 | 76 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.654 | 0.647 | 1.1 | 75 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.201 | 0.202 | -0.5 | 67 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.273 | 0.285 | -4.4 | 77 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.382 | 0.398 | -4.2 | 76 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.410 | 0.416 | -1.5 | 76 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.227 | 1.199 | 2.3 | 81 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.434 | 1.440 | -0.4 | 77 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.113 | 1.107 | 0.5 | 76 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.261 | 0.265 | -1.5 | 75 | 0.00 |
| 49 | | Acenaphthylene | 1.573 | 1.600 | -1.7 | 78 | 0.00 |
| 50 | | Dimethylphthalate | 1.282 | 1.289 | -0.5 | 77 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.288 | 0.289 | -0.3 | 74 | 0.00 |
| 52 | C | Acenaphthene | 1.134 | 1.130 | 0.4 | 77 | 0.00 |
| 53 | | 3-Nitroaniline | 0.276 | 0.271 | 1.8 | 71 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.141 | 0.147 | -4.3 | 77 | 0.00 |
| 55 | | Dibenzofuran | 1.590 | 1.599 | -0.6 | 77 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.202 | 0.203 | -0.5 | 74 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.372 | 0.380 | -2.2 | 75 | 0.00 |
| 58 | | Fluorene | 1.230 | 1.236 | -0.5 | 78 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.366 | 0.372 | -1.6 | 76 | 0.00 |
| 60 | | Diethylphthalate | 1.197 | 1.229 | -2.7 | 77 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.677 | 0.674 | 0.4 | 76 | 0.00 |
| 62 | | 4-Nitroaniline | 0.262 | 0.256 | 2.3 | 71 | 0.00 |
| 63 | | Azobenzene | 1.043 | 1.035 | 0.8 | 76 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 74 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.117 | 0.122 | -4.3 | 77 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.613 | 0.614 | -0.2 | 77 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.263 | 0.260 | 1.1 | 74 | 0.00 |
| 68 | | Hexachlorobenzene | 0.313 | 0.311 | 0.6 | 76 | 0.00 |
| 69 | | Atrazine | 0.150 | 0.129 | 14.0 | 95 | 0.00 |
| 70 | C | Pentachlorophenol | 0.160 | 0.166 | -3.8 | 73 | 0.00 |
| 71 | | Phenanthrene | 0.993 | 0.989 | 0.4 | 77 | 0.00 |
| 72 | | Anthracene | 0.993 | 1.007 | -1.4 | 77 | 0.00 |
| 73 | | Carbazole | 0.868 | 0.835 | 3.8 | 73 | 0.00 |
| 74 | | Di-n-butylphthalate | 0.898 | 0.950 | -5.8 | 78 | 0.00 |
| 75 | C | Fluoranthene | 1.032 | 0.997 | 3.4 | 75 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 73 | 0.00 |
| 77 | | Benzidine | 0.258 | 0.327 | -26.7# | 62 | 0.00 |
| 78 | | Pyrene | 1.588 | 1.602 | -0.9 | 73 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.194 | 1.173 | 1.8 | 77 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.384 | 0.437 | -13.8 | 79 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.211 | 1.240 | -2.4 | 75 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.361 | 0.366 | -1.4 | 72 | 0.00 |
| 83 | | Chrysene | 1.167 | 1.122 | 3.9 | 72 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.514 | 0.594 | -15.6 | 80 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 0.911 | 1.059 | -16.2 | 83 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.403 | 1.347 | 4.0 | 75 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.122 | 1.112 | 0.9 | 77 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.108 | 1.063 | 4.1 | 79 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.004 | 0.993 | 1.1 | 79 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.145 | 1.112 | 2.9 | 75 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.192 | 1.106 | 7.2 | 72 | 0.00 |

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