# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141953.D
Acq On : 13 Mar 2025 21:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Mar 14 10:40:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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 | 93 | 0.00 |
| 2 | | 1,4-Dioxane | 0.502 | 0.488 | 2.8 | 90 | -0.01 |
| 3 | | Pyridine | 1.232 | 1.205 | 2.2 | 92 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.587 | 0.553 | 5.8 | 88 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.198 | 1.136 | 5.2 | 92 | 0.00 |
| 6 | | Aniline | 1.505 | 1.380 | 8.3 | 88 | 0.00 |
| 7 | S | Phenol-d6 | 1.526 | 1.422 | 6.8 | 92 | 0.00 |
| 8 | | 2-Chlorophenol | 1.329 | 1.247 | 6.2 | 92 | 0.00 |
| 9 | | Benzaldehyde | 0.853 | 0.811 | 4.9 | 97 | 0.00 |
| 10 | C | Phenol | 1.605 | 1.483 | 7.6 | 90 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.205 | 1.114 | 7.6 | 91 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.435 | 1.352 | 5.8 | 92 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.452 | 1.386 | 4.5 | 93 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.367 | 1.293 | 5.4 | 92 | 0.00 |
| 15 | | Benzyl Alcohol | 1.233 | 1.158 | 6.1 | 91 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.455 | 1.252 | 14.0 | 86 | 0.00 |
| 17 | | 2-Methylphenol | 1.057 | 0.989 | 6.4 | 91 | 0.00 |
| 18 | | Hexachloroethane | 0.544 | 0.512 | 5.9 | 92 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.980 | 0.857 | 12.6 | 87 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.354 | 1.231 | 9.1 | 89 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 22 | | Acetophenone | 0.479 | 0.447 | 6.7 | 89 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.355 | 0.345 | 2.8 | 90 | 0.00 |
| 24 | | Nitrobenzene | 0.353 | 0.342 | 3.1 | 90 | 0.00 |
| 25 | | Isophorone | 0.628 | 0.577 | 8.1 | 88 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.173 | 0.178 | -2.9 | 93 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.239 | 0.225 | 5.9 | 89 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.394 | 0.364 | 7.6 | 89 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.296 | 0.286 | 3.4 | 91 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.327 | 0.314 | 4.0 | 93 | 0.00 |
| 31 | | Naphthalene | 1.027 | 0.970 | 5.6 | 90 | 0.00 |
| 32 | | Benzoic acid | 0.210 | 0.217 | -3.3 | 95 | 0.00 |
| 33 | | 4-Chloroaniline | 0.363 | 0.330 | 9.1 | 86 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.213 | 0.209 | 1.9 | 94 | 0.00 |
| 35 | | Caprolactam | 0.090 | 0.081 | 10.0 | 88 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.331 | 0.304 | 8.2 | 87 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.687 | 0.645 | 6.1 | 90 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.663 | 0.622 | 6.2 | 91 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.609 | 0.605 | 0.7 | 91 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.238 | 0.213 | 10.5 | 76 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.254 | 0.243 | 4.3 | 86 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.398 | 0.383 | 3.8 | 86 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.403 | 0.398 | 1.2 | 91 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.315 | 1.275 | 3.0 | 90 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.520 | 1.467 | 3.5 | 90 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.133 | 1.089 | 3.9 | 89 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.328 | 0.311 | 5.2 | 86 | 0.00 |
| 49 | | Acenaphthylene | 1.681 | 1.594 | 5.2 | 87 | 0.00 |
| 50 | | Dimethylphthalate | 1.401 | 1.310 | 6.5 | 88 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.292 | 0.282 | 3.4 | 88 | 0.00 |
| 52 | C | Acenaphthene | 1.181 | 1.117 | 5.4 | 87 | 0.00 |
| 53 | | 3-Nitroaniline | 0.296 | 0.273 | 7.8 | 83 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.139 | 0.124 | 10.8 | 78 | 0.00 |
| 55 | | Dibenzofuran | 1.688 | 1.577 | 6.6 | 87 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.223 | 0.208 | 6.7 | 80 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.381 | 0.364 | 4.5 | 86 | 0.00 |
| 58 | | Fluorene | 1.302 | 1.205 | 7.5 | 87 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.367 | 0.351 | 4.4 | 87 | 0.00 |
| 60 | | Diethylphthalate | 1.397 | 1.298 | 7.1 | 86 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.679 | 0.639 | 5.9 | 88 | 0.00 |
| 62 | | 4-Nitroaniline | 0.288 | 0.265 | 8.0 | 82 | 0.00 |
| 63 | | Azobenzene | 1.298 | 1.180 | 9.1 | 84 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.115 | 3.4 | 80 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.647 | 0.639 | 1.2 | 86 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.251 | 0.253 | -0.8 | 87 | 0.00 |
| 68 | | Hexachlorobenzene | 0.275 | 0.274 | 0.4 | 85 | 0.00 |
| 69 | | Atrazine | 0.198 | 0.161 | 18.7 | 83 | 0.00 |
| 70 | C | Pentachlorophenol | 0.170 | 0.168 | 1.2 | 79 | 0.00 |
| 71 | | Phenanthrene | 1.080 | 1.024 | 5.2 | 83 | 0.00 |
| 72 | | Anthracene | 1.084 | 1.029 | 5.1 | 83 | 0.00 |
| 73 | | Carbazole | 0.935 | 0.858 | 8.2 | 79 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.240 | 1.189 | 4.1 | 85 | 0.00 |
| 75 | C | Fluoranthene | 1.146 | 0.973 | 15.1 | 74 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 74 | 0.00 |
| 77 | | Benzidine | 0.279 | 0.467 | -67.4# | 96 | 0.00 |
| 78 | | Pyrene | 1.730 | 1.587 | 8.3 | 73 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.353 | 1.269 | 6.2 | 73 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.677 | 0.638 | 5.8 | 72 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.312 | 1.234 | 5.9 | 71 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.379 | 0.416 | -9.8 | 82 | 0.00 |
| 83 | | Chrysene | 1.190 | 1.160 | 2.5 | 75 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.934 | 0.882 | 5.6 | 72 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.299 | 1.355 | -4.3 | 79 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.294 | 1.148 | 11.3 | 83 | -0.01 |
| 88 | | Benzo(b)fluoranthene | 1.371 | 1.194 | 12.9 | 91 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.173 | 1.097 | 6.5 | 84 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.073 | 1.017 | 5.2 | 91 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.067 | 0.969 | 9.2 | 84 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.055 | 0.897 | 15.0 | 78 | -0.02 |

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