# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141031.D
Acq On : 30 Dec 2024 15:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 30 15:45:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
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 | 110 | 0.00 |
| 2 | | 1,4-Dioxane | 0.601 | 0.573 | 4.7 | 106 | 0.00 |
| 3 | | Pyridine | 1.468 | 1.463 | 0.3 | 112 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.744 | 0.699 | 6.0 | 103 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.327 | 1.261 | 5.0 | 107 | 0.00 |
| 6 | | Aniline | 1.524 | 1.537 | -0.9 | 105 | -0.02 |
| 7 | S | Phenol-d6 | 1.709 | 1.621 | 5.1 | 107 | 0.00 |
| 8 | | 2-Chlorophenol | 1.399 | 1.361 | 2.7 | 108 | 0.00 |
| 9 | | Benzaldehyde | 0.941 | 0.947 | -0.6 | 121 | 0.00 |
| 10 | C | Phenol | 1.767 | 1.768 | -0.1 | 112 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.427 | 1.314 | 7.9 | 106 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.544 | 1.496 | 3.1 | 109 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.556 | 1.493 | 4.0 | 108 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.451 | 1.400 | 3.5 | 109 | 0.00 |
| 15 | | Benzyl Alcohol | 1.228 | 1.171 | 4.6 | 105 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.158 | 2.014 | 6.7 | 105 | 0.00 |
| 17 | | 2-Methylphenol | 1.162 | 1.109 | 4.6 | 106 | 0.00 |
| 18 | | Hexachloroethane | 0.553 | 0.554 | -0.2 | 112 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.047 | 0.965 | 7.8 | 105 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.471 | 1.388 | 5.6 | 105 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 22 | | Acetophenone | 0.491 | 0.461 | 6.1 | 106 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.313 | 0.363 | -16.0 | 120 | 0.00 |
| 24 | | Nitrobenzene | 0.349 | 0.384 | -10.0 | 113 | 0.00 |
| 25 | | Isophorone | 0.680 | 0.646 | 5.0 | 107 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.118 | 0.173 | -46.6# | 147 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.249 | 0.242 | 2.8 | 108 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.431 | 0.409 | 5.1 | 107 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.282 | 0.282 | 0.0 | 110 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.319 | 0.316 | 0.9 | 110 | 0.00 |
| 31 | | Naphthalene | 1.054 | 1.010 | 4.2 | 107 | 0.00 |
| 32 | | Benzoic acid | 0.178 | 0.240 | -34.8# | 146 | 0.00 |
| 33 | | 4-Chloroaniline | 0.381 | 0.370 | 2.9 | 109 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.188 | 0.187 | 0.5 | 112 | 0.00 |
| 35 | | Caprolactam | 0.096 | 0.096 | 0.0 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.313 | 0.304 | 2.9 | 107 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.674 | 0.647 | 4.0 | 109 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.663 | 0.635 | 4.2 | 108 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.550 | 0.544 | 1.1 | 111 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.182 | 0.193 | -6.0 | 113 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.194 | 0.216 | -11.3 | 120 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.366 | 0.375 | -2.5 | 112 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.375 | 0.401 | -6.9 | 115 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.255 | 1.188 | 5.3 | 110 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.531 | 1.468 | 4.1 | 108 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.188 | 1.154 | 2.9 | 110 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.259 | 0.356 | -37.5# | 135 | 0.00 |
| 49 | | Acenaphthylene | 1.710 | 1.654 | 3.3 | 109 | 0.00 |
| 50 | | Dimethylphthalate | 1.316 | 1.285 | 2.4 | 109 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.231 | 0.303 | -31.2# | 129 | 0.00 |
| 52 | C | Acenaphthene | 1.156 | 1.151 | 0.4 | 112 | 0.00 |
| 53 | | 3-Nitroaniline | 0.255 | 0.321 | -25.9# | 124 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.075 | 0.127 | -69.3# | 191# | 0.00 |
| 55 | | Dibenzofuran | 1.624 | 1.570 | 3.3 | 109 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.225 | 0.258 | -14.7 | 122 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.273 | 0.394 | -44.3# | 138 | 0.00 |
| 58 | | Fluorene | 1.260 | 1.202 | 4.6 | 110 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.310 | 0.332 | -7.1 | 115 | 0.00 |
| 60 | | Diethylphthalate | 1.299 | 1.260 | 3.0 | 108 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.606 | 0.593 | 2.1 | 111 | 0.00 |
| 62 | | 4-Nitroaniline | 0.255 | 0.313 | -22.7 | 122 | 0.00 |
| 63 | | Azobenzene | 1.363 | 1.284 | 5.8 | 106 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.067 | 0.109 | -62.7# | 175# | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.630 | 0.616 | 2.2 | 108 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.216 | 0.226 | -4.6 | 113 | 0.00 |
| 68 | | Hexachlorobenzene | 0.238 | 0.243 | -2.1 | 111 | 0.00 |
| 69 | | Atrazine | 0.176 | 0.153 | 13.1 | 104 | 0.00 |
| 70 | C | Pentachlorophenol | 0.148 | 0.168 | -13.5 | 115 | 0.00 |
| 71 | | Phenanthrene | 1.053 | 1.021 | 3.0 | 108 | 0.00 |
| 72 | | Anthracene | 1.031 | 0.993 | 3.7 | 106 | 0.00 |
| 73 | | Carbazole | 0.992 | 0.922 | 7.1 | 104 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.128 | 1.094 | 3.0 | 107 | 0.00 |
| 75 | C | Fluoranthene | 1.142 | 1.030 | 9.8 | 100 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 77 | | Benzidine | 0.423 | 0.533 | -26.0# | 112 | 0.00 |
| 78 | | Pyrene | 1.749 | 1.874 | -7.1 | 97 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.204 | 1.285 | -6.7 | 98 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.639 | 0.667 | -4.4 | 89 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.394 | 1.294 | 7.2 | 82 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.419 | 0.434 | -3.6 | 94 | 0.00 |
| 83 | | Chrysene | 1.257 | 1.255 | 0.2 | 91 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.828 | 0.808 | 2.4 | 86 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.199 | 1.223 | -2.0 | 89 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.260 | 1.452 | -15.2 | 118 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.395 | 1.231 | 11.8 | 93 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.093 | 1.076 | 1.6 | 108 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.083 | 1.048 | 3.2 | 105 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.021 | 1.184 | -16.0 | 118 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.059 | 1.237 | -16.8 | 117 | 0.00 |

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