# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072321\
Data File : BF124716.D
Acq On : 23 Jul 2021 16:46
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 23 17:12:22 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 15:28:57 2021
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 | 121 | 0.00 |
| 2 | | 1,4-Dioxane | 0.413 | 0.456 | -10.4 | 125 | 0.02 |
| 3 | | Pyridine | 0.977 | 1.056 | -8.1 | 120 | 0.02 |
| 4 | | n-Nitrosodimethylamine | 0.773 | 0.824 | -6.6 | 123 | 0.02 |
| 5 | S | 2-Fluorophenol | 1.181 | 1.231 | -4.2 | 125 | 0.00 |
| 6 | | Aniline | 1.522 | 1.632 | -7.2 | 129 | 0.00 |
| 7 | S | Phenol-d6 | 1.481 | 1.492 | -0.7 | 120 | 0.00 |
| 8 | | 2-Chlorophenol | 1.332 | 1.359 | -2.0 | 124 | 0.00 |
| 9 | | Benzaldehyde | 0.797 | 0.745 | 6.5 | 120 | 0.00 |
| 10 | C | Phenol | 1.418 | 1.480 | -4.4 | 129 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.124 | 1.169 | -4.0 | 127 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.448 | 1.483 | -2.4 | 123 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.449 | 1.496 | -3.2 | 123 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.400 | 1.435 | -2.5 | 124 | 0.00 |
| 15 | | Benzyl Alcohol | 0.974 | 1.054 | -8.2 | 128 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.892 | 1.949 | -3.0 | 123 | 0.00 |
| 17 | | 2-Methylphenol | 0.971 | 1.001 | -3.1 | 123 | 0.00 |
| 18 | | Hexachloroethane | 0.549 | 0.585 | -6.6 | 126 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.791 | 0.856 | -8.2 | 126 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.282 | 1.283 | -0.1 | 120 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 22 | | Acetophenone | 0.463 | 0.458 | 1.1 | 121 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.336 | 0.338 | -0.6 | 122 | 0.00 |
| 24 | | Nitrobenzene | 0.329 | 0.328 | 0.3 | 123 | 0.00 |
| 25 | | Isophorone | 0.594 | 0.587 | 1.2 | 120 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.182 | 0.190 | -4.4 | 122 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.281 | 0.288 | -2.5 | 126 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.345 | 0.346 | -0.3 | 124 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.297 | 0.300 | -1.0 | 123 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.326 | 0.323 | 0.9 | 119 | 0.00 |
| 31 | | Naphthalene | 1.044 | 1.032 | 1.1 | 121 | 0.00 |
| 32 | | Benzoic acid | 0.217 | 0.228 | -5.1 | 123 | 0.01 |
| 33 | | 4-Chloroaniline | 0.392 | 0.397 | -1.3 | 125 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.195 | 0.194 | 0.5 | 122 | 0.00 |
| 35 | | Caprolactam | 0.077 | 0.077 | 0.0 | 124 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.284 | 0.295 | -3.9 | 120 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.697 | 0.682 | 2.2 | 119 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.661 | 0.646 | 2.3 | 120 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.558 | 0.558 | 0.0 | 121 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.330 | 0.345 | -4.5 | 115 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.172 | 0.177 | -2.9 | 121 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.396 | 0.389 | 1.8 | 116 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.407 | 0.408 | -0.2 | 115 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.362 | 1.334 | 2.1 | 117 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.493 | 1.465 | 1.9 | 118 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.182 | 1.169 | 1.1 | 118 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.309 | 0.318 | -2.9 | 119 | 0.00 |
| 49 | | Acenaphthylene | 1.823 | 1.826 | -0.2 | 119 | 0.00 |
| 50 | | Dimethylphthalate | 1.377 | 1.348 | 2.1 | 115 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.304 | 0.309 | -1.6 | 120 | 0.00 |
| 52 | C | Acenaphthene | 1.208 | 1.213 | -0.4 | 117 | 0.00 |
| 53 | | 3-Nitroaniline | 0.320 | 0.313 | 2.2 | 111 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.176 | 0.180 | -2.3 | 120 | 0.00 |
| 55 | | Dibenzofuran | 1.726 | 1.687 | 2.3 | 116 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.253 | 0.261 | -3.2 | 119 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.413 | 0.409 | 1.0 | 114 | 0.00 |
| 58 | | Fluorene | 1.324 | 1.265 | 4.5 | 112 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.321 | 0.333 | -3.7 | 119 | 0.00 |
| 60 | | Diethylphthalate | 1.432 | 1.402 | 2.1 | 117 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.640 | 0.620 | 3.1 | 118 | 0.00 |
| 62 | | 4-Nitroaniline | 0.317 | 0.308 | 2.8 | 113 | 0.00 |
| 63 | | Azobenzene | 1.267 | 1.265 | 0.2 | 119 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.130 | 0.136 | -4.6 | 115 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.648 | 0.629 | 2.9 | 115 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.212 | 0.204 | 3.8 | 115 | 0.00 |
| 68 | | Hexachlorobenzene | 0.220 | 0.217 | 1.4 | 118 | 0.00 |
| 69 | | Atrazine | 0.197 | 0.187 | 5.1 | 114 | 0.00 |
| 70 | C | Pentachlorophenol | 0.137 | 0.143 | -4.4 | 118 | 0.00 |
| 71 | | Phenanthrene | 1.076 | 1.036 | 3.7 | 113 | 0.00 |
| 72 | | Anthracene | 1.075 | 1.021 | 5.0 | 113 | 0.00 |
| 73 | | Carbazole | 1.008 | 0.954 | 5.4 | 113 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.343 | 1.272 | 5.3 | 109 | 0.00 |
| 75 | C | Fluoranthene | 1.098 | 1.043 | 5.0 | 112 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 77 | | Benzidine | 0.564 | 0.616 | -9.2 | 106 | 0.00 |
| 78 | | Pyrene | 1.583 | 1.678 | -6.0 | 112 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.167 | 1.212 | -3.9 | 110 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.758 | 0.772 | -1.8 | 107 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.307 | 1.313 | -0.5 | 107 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.363 | 0.366 | -0.8 | 106 | 0.00 |
| 83 | | Chrysene | 1.260 | 1.260 | 0.0 | 104 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 1.117 | 1.106 | 1.0 | 104 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.813 | 1.700 | 6.2 | 97 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.155 | 1.121 | 2.9 | 99 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.408 | 1.410 | -0.1 | 100 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.287 | 1.257 | 2.3 | 96 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.176 | 1.153 | 2.0 | 98 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.011 | 0.954 | 5.6 | 97 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 0.959 | 0.925 | 3.5 | 101 | 0.00 |

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