# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090722\
Data File : BF130153.D
Acq On : 07 Sep 2022 10:09
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 08 02:43:32 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 07 02:05:07 2022
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 | 83 | 0.00 |
| 2 | | 1,4-Dioxane | 0.551 | 0.546 | 0.9 | 86 | 0.00 |
| 3 | | Pyridine | 1.476 | 1.428 | 3.3 | 84 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.581 | 0.556 | 4.3 | 81 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.178 | 1.172 | 0.5 | 88 | 0.00 |
| 6 | | Aniline | 1.841 | 1.803 | 2.1 | 84 | 0.00 |
| 7 | S | Phenol-d6 | 1.469 | 1.463 | 0.4 | 88 | 0.00 |
| 8 | | 2-Chlorophenol | 1.293 | 1.318 | -1.9 | 88 | 0.00 |
| 9 | | Benzaldehyde | 0.899 | 0.855 | 4.9 | 91 | 0.00 |
| 10 | C | Phenol | 1.660 | 1.633 | 1.6 | 87 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.261 | 1.220 | 3.3 | 84 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.433 | 1.413 | 1.4 | 87 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.444 | 1.431 | 0.9 | 87 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.313 | 1.312 | 0.1 | 89 | 0.00 |
| 15 | | Benzyl Alcohol | 0.990 | 0.925 | 6.6 | 81 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.714 | 1.564 | 8.8 | 79 | 0.00 |
| 17 | | 2-Methylphenol | 1.088 | 1.054 | 3.1 | 84 | 0.00 |
| 18 | | Hexachloroethane | 0.521 | 0.519 | 0.4 | 85 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.885 | 0.842 | 4.9 | 84 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.276 | 1.245 | 2.4 | 88 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 22 | | Acetophenone | 0.447 | 0.424 | 5.1 | 86 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.311 | 0.335 | -7.7 | 91 | 0.00 |
| 24 | | Nitrobenzene | 0.331 | 0.346 | -4.5 | 89 | 0.00 |
| 25 | | Isophorone | 0.630 | 0.604 | 4.1 | 84 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.135 | 0.172 | -27.4# | 98 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.264 | 0.264 | 0.0 | 88 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.378 | 0.357 | 5.6 | 83 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.283 | 0.288 | -1.8 | 88 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.298 | 0.293 | 1.7 | 88 | 0.00 |
| 31 | | Naphthalene | 1.009 | 0.975 | 3.4 | 87 | 0.00 |
| 32 | | Benzoic acid | 0.192 | 0.221 | -15.1 | 93 | 0.00 |
| 33 | | 4-Chloroaniline | 0.408 | 0.407 | 0.2 | 88 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.171 | 0.171 | 0.0 | 88 | 0.00 |
| 35 | | Caprolactam | 0.088 | 0.093 | -5.7 | 91 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.286 | 0.293 | -2.4 | 89 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.650 | 0.630 | 3.1 | 88 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.632 | 0.611 | 3.3 | 88 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.522 | 0.516 | 1.1 | 91 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.273 | 0.276 | -1.1 | 85 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.182 | 0.204 | -12.1 | 97 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.372 | 0.375 | -0.8 | 88 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.403 | 0.411 | -2.0 | 89 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.206 | 1.150 | 4.6 | 92 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.453 | 1.395 | 4.0 | 89 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.164 | 1.140 | 2.1 | 90 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.287 | 0.346 | -20.6 | 97 | 0.00 |
| 49 | | Acenaphthylene | 1.768 | 1.744 | 1.4 | 90 | 0.00 |
| 50 | | Dimethylphthalate | 1.362 | 1.349 | 1.0 | 91 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.266 | 0.300 | -12.8 | 95 | 0.00 |
| 52 | C | Acenaphthene | 1.114 | 1.115 | -0.1 | 91 | 0.00 |
| 53 | | 3-Nitroaniline | 0.305 | 0.347 | -13.8 | 98 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.097 | 0.135 | -39.2# | 117 | 0.00 |
| 55 | | Dibenzofuran | 1.595 | 1.565 | 1.9 | 90 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.235 | 0.269 | -14.5 | 96 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.306 | 0.385 | -25.8# | 101 | 0.00 |
| 58 | | Fluorene | 1.214 | 1.178 | 3.0 | 92 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.313 | 0.329 | -5.1 | 92 | 0.00 |
| 60 | | Diethylphthalate | 1.318 | 1.313 | 0.4 | 89 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.537 | 0.527 | 1.9 | 93 | 0.00 |
| 62 | | 4-Nitroaniline | 0.296 | 0.352 | -18.9 | 99 | 0.00 |
| 63 | | Azobenzene | 1.298 | 1.253 | 3.5 | 88 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.084 | 0.111 | -32.1# | 112 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.669 | 0.648 | 3.1 | 91 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.222 | 0.220 | 0.9 | 92 | 0.00 |
| 68 | | Hexachlorobenzene | 0.242 | 0.242 | 0.0 | 92 | 0.00 |
| 69 | | Atrazine | 0.189 | 0.190 | -0.5 | 91 | 0.00 |
| 70 | C | Pentachlorophenol | 0.136 | 0.148 | -8.8 | 94 | 0.00 |
| 71 | | Phenanthrene | 1.085 | 1.041 | 4.1 | 93 | 0.00 |
| 72 | | Anthracene | 1.066 | 1.033 | 3.1 | 92 | 0.00 |
| 73 | | Carbazole | 0.983 | 0.950 | 3.4 | 92 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.186 | 1.146 | 3.4 | 89 | 0.00 |
| 75 | C | Fluoranthene | 1.076 | 1.018 | 5.4 | 91 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 77 | | Benzidine | 0.540 | 0.613 | -13.5 | 94 | 0.00 |
| 78 | | Pyrene | 1.794 | 1.888 | -5.2 | 90 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.153 | 1.188 | -3.0 | 89 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.714 | 0.739 | -3.5 | 81 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.371 | 1.321 | 3.6 | 85 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.427 | 0.450 | -5.4 | 89 | 0.00 |
| 83 | | Chrysene | 1.351 | 1.309 | 3.1 | 86 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.887 | 0.802 | 9.6 | 74 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.401 | 1.292 | 7.8 | 74 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.319 | 1.513 | -14.7 | 106 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.334 | 1.268 | 4.9 | 99 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.290 | 1.180 | 8.5 | 88 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.060 | 1.050 | 0.9 | 97 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.080 | 1.245 | -15.3 | 106 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.080 | 1.250 | -15.7 | 106 | 0.00 |

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