# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041422\
Data File : BF127791.D
Acq On : 14 Apr 2022 11:13
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 15 05:05:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 16:40:15 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 | 115 | 0.00 |
| 2 | | 1,4-Dioxane | 0.584 | 0.582 | 0.3 | 115 | 0.00 |
| 3 | | Pyridine | 1.538 | 1.536 | 0.1 | 116 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.827 | 0.721 | 12.8 | 100 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.231 | 1.242 | -0.9 | 120 | 0.00 |
| 6 | | Aniline | 1.920 | 1.933 | -0.7 | 114 | 0.00 |
| 7 | S | Phenol-d6 | 1.610 | 1.611 | -0.1 | 118 | 0.00 |
| 8 | | 2-Chlorophenol | 1.249 | 1.286 | -3.0 | 122 | 0.00 |
| 9 | | Benzaldehyde | 0.910 | 0.835 | 8.2 | 123 | 0.00 |
| 10 | C | Phenol | 1.610 | 1.631 | -1.3 | 119 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.330 | 1.335 | -0.4 | 118 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.427 | 1.456 | -2.0 | 121 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.442 | 1.460 | -1.2 | 121 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.379 | 1.352 | 2.0 | 120 | 0.00 |
| 15 | | Benzyl Alcohol | 1.408 | 1.309 | 7.0 | 106 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.099 | 1.968 | 6.2 | 108 | 0.00 |
| 17 | | 2-Methylphenol | 1.086 | 1.092 | -0.6 | 117 | 0.00 |
| 18 | | Hexachloroethane | 0.550 | 0.557 | -1.3 | 117 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.041 | 0.977 | 6.1 | 109 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.384 | 1.364 | 1.4 | 115 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 22 | | Acetophenone | 0.537 | 0.509 | 5.2 | 113 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.449 | 0.456 | -1.6 | 116 | 0.00 |
| 24 | | Nitrobenzene | 0.435 | 0.434 | 0.2 | 115 | 0.00 |
| 25 | | Isophorone | 0.783 | 0.750 | 4.2 | 111 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.156 | 0.194 | -24.4# | 136 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.306 | 0.298 | 2.6 | 116 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.483 | 0.473 | 2.1 | 114 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.330 | 0.334 | -1.2 | 119 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.379 | 0.379 | 0.0 | 117 | 0.00 |
| 31 | | Naphthalene | 1.048 | 1.029 | 1.8 | 117 | 0.00 |
| 32 | | Benzoic acid | 0.222 | 0.239 | -7.7 | 116 | 0.00 |
| 33 | | 4-Chloroaniline | 0.413 | 0.420 | -1.7 | 120 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.261 | 0.258 | 1.1 | 116 | 0.00 |
| 35 | | Caprolactam | 0.097 | 0.099 | -2.1 | 115 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.346 | 0.344 | 0.6 | 115 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.701 | 0.690 | 1.6 | 116 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.677 | 0.664 | 1.9 | 116 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.656 | 0.681 | -3.8 | 121 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.395 | 0.400 | -1.3 | 113 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.213 | 0.235 | -10.3 | 130 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.445 | 0.453 | -1.8 | 117 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.449 | 0.477 | -6.2 | 121 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.414 | 1.350 | 4.5 | 114 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.530 | 1.522 | 0.5 | 117 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.216 | 1.211 | 0.4 | 117 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.378 | 0.421 | -11.4 | 121 | 0.00 |
| 49 | | Acenaphthylene | 1.849 | 1.835 | 0.8 | 115 | 0.00 |
| 50 | | Dimethylphthalate | 1.450 | 1.447 | 0.2 | 116 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.273 | 0.309 | -13.2 | 126 | 0.00 |
| 52 | C | Acenaphthene | 1.165 | 1.180 | -1.3 | 117 | 0.00 |
| 53 | | 3-Nitroaniline | 0.289 | 0.321 | -11.1 | 125 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.119 | 0.174 | -46.2# | 158# | 0.00 |
| 55 | | Dibenzofuran | 1.700 | 1.699 | 0.1 | 117 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.227 | 0.253 | -11.5 | 124 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.339 | 0.408 | -20.4 | 133 | 0.00 |
| 58 | | Fluorene | 1.256 | 1.274 | -1.4 | 121 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.392 | 0.414 | -5.6 | 123 | 0.00 |
| 60 | | Diethylphthalate | 1.387 | 1.363 | 1.7 | 114 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.690 | 0.695 | -0.7 | 118 | 0.00 |
| 62 | | 4-Nitroaniline | 0.272 | 0.314 | -15.4 | 129 | 0.00 |
| 63 | | Azobenzene | 1.550 | 1.469 | 5.2 | 110 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 120 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.097 | 0.136 | -40.2# | 155# | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.630 | 0.622 | 1.3 | 118 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.243 | 0.252 | -3.7 | 123 | 0.00 |
| 68 | | Hexachlorobenzene | 0.265 | 0.274 | -3.4 | 122 | 0.00 |
| 69 | | Atrazine | 0.209 | 0.209 | 0.0 | 123 | 0.00 |
| 70 | C | Pentachlorophenol | 0.158 | 0.165 | -4.4 | 120 | 0.00 |
| 71 | | Phenanthrene | 1.060 | 1.049 | 1.0 | 120 | 0.00 |
| 72 | | Anthracene | 1.048 | 1.040 | 0.8 | 119 | 0.00 |
| 73 | | Carbazole | 0.982 | 0.973 | 0.9 | 121 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.174 | 1.134 | 3.4 | 114 | 0.00 |
| 75 | C | Fluoranthene | 1.156 | 1.134 | 1.9 | 121 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 77 | | Benzidine | 0.522 | 0.447 | 14.4 | 120 | 0.00 |
| 78 | | Pyrene | 1.689 | 1.745 | -3.3 | 121 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.212 | 1.203 | 0.7 | 118 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.629 | 0.658 | -4.6 | 120 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.336 | 1.390 | -4.0 | 127 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.416 | 0.416 | 0.0 | 125 | 0.00 |
| 83 | | Chrysene | 1.282 | 1.276 | 0.5 | 122 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.886 | 0.856 | 3.4 | 113 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.296 | 1.262 | 2.6 | 114 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.250 | 1.416 | -13.3 | 127 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.287 | 1.290 | -0.2 | 123 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.276 | 1.282 | -0.5 | 121 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.046 | 1.074 | -2.7 | 121 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.012 | 1.167 | -15.3 | 128 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.038 | 1.181 | -13.8 | 127 | 0.00 |

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|---|---|---|---|---|

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