# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072121\
Data File : BF124658.D
Acq On : 21 Jul 2021 12:22
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 21 16:08:38 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 21 16:08:04 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 | 124 | 0.00 |
| 2 | | 1,4-Dioxane | 0.378 | 0.393 | -4.0 | 123 | 0.00 |
| 3 | | Pyridine | 0.968 | 0.977 | -0.9 | 123 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.787 | 0.775 | 1.5 | 116 | -0.10 |
| 5 | S | 2-Fluorophenol | 1.154 | 1.154 | 0.0 | 124 | 0.00 |
| 6 | | Aniline | 1.480 | 1.408 | 4.9 | 119 | 0.00 |
| 7 | S | Phenol-d6 | 1.404 | 1.445 | -2.9 | 125 | 0.00 |
| 8 | | 2-Chlorophenol | 1.294 | 1.273 | 1.6 | 119 | 0.00 |
| 9 | | Benzaldehyde | 0.824 | 0.734 | 10.9 | 121 | 0.00 |
| 10 | C | Phenol | 1.371 | 1.388 | -1.2 | 124 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.063 | 1.097 | -3.2 | 127 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.416 | 1.416 | 0.0 | 125 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.447 | 1.451 | -0.3 | 122 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.375 | 1.336 | 2.8 | 121 | 0.00 |
| 15 | | Benzyl Alcohol | 0.972 | 0.972 | 0.0 | 119 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.832 | 1.847 | -0.8 | 123 | 0.00 |
| 17 | | 2-Methylphenol | 0.947 | 0.948 | -0.1 | 122 | 0.00 |
| 18 | | Hexachloroethane | 0.545 | 0.529 | 2.9 | 115 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.790 | 0.789 | 0.1 | 121 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.247 | 1.246 | 0.1 | 127 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 125 | 0.00 |
| 22 | | Acetophenone | 0.454 | 0.446 | 1.8 | 121 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.317 | 0.321 | -1.3 | 124 | 0.00 |
| 24 | | Nitrobenzene | 0.314 | 0.303 | 3.5 | 115 | 0.00 |
| 25 | | Isophorone | 0.582 | 0.567 | 2.6 | 120 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.169 | 0.176 | -4.1 | 125 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.281 | 0.274 | 2.5 | 120 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.339 | 0.332 | 2.1 | 123 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.290 | 0.295 | -1.7 | 122 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.321 | 0.306 | 4.7 | 119 | 0.00 |
| 31 | | Naphthalene | 1.034 | 1.007 | 2.6 | 121 | 0.00 |
| 32 | | Benzoic acid | 0.196 | 0.197 | -0.5 | 120 | 0.00 |
| 33 | | 4-Chloroaniline | 0.391 | 0.377 | 3.6 | 116 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.181 | 0.185 | -2.2 | 124 | 0.00 |
| 35 | | Caprolactam | 0.073 | 0.080 | -9.6 | 150 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.286 | 0.278 | 2.8 | 116 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.698 | 0.680 | 2.6 | 120 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.656 | 0.637 | 2.9 | 122 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 126 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.533 | 0.548 | -2.8 | 127 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.333 | 0.331 | 0.6 | 122 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.156 | 0.173 | -10.9 | 138 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.385 | 0.392 | -1.8 | 124 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.397 | 0.400 | -0.8 | 129 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.372 | 1.316 | 4.1 | 120 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.519 | 1.469 | 3.3 | 122 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.191 | 1.157 | 2.9 | 121 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.286 | 0.297 | -3.8 | 119 | 0.00 |
| 49 | | Acenaphthylene | 1.858 | 1.774 | 4.5 | 120 | 0.00 |
| 50 | | Dimethylphthalate | 1.391 | 1.317 | 5.3 | 119 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.274 | 0.288 | -5.1 | 117 | 0.00 |
| 52 | C | Acenaphthene | 1.188 | 1.170 | 1.5 | 124 | 0.00 |
| 53 | | 3-Nitroaniline | 0.306 | 0.301 | 1.6 | 120 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.143 | 0.149 | -4.2 | 132 | 0.00 |
| 55 | | Dibenzofuran | 1.747 | 1.681 | 3.8 | 121 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.255 | 0.249 | 2.4 | 116 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.376 | 0.408 | -8.5 | 130 | 0.00 |
| 58 | | Fluorene | 1.351 | 1.278 | 5.4 | 122 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.307 | 0.321 | -4.6 | 130 | 0.00 |
| 60 | | Diethylphthalate | 1.455 | 1.391 | 4.4 | 120 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.613 | 0.615 | -0.3 | 125 | 0.00 |
| 62 | | 4-Nitroaniline | 0.309 | 0.314 | -1.6 | 127 | 0.00 |
| 63 | | Azobenzene | 1.272 | 1.221 | 4.0 | 123 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 130 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.114 | 0.122 | -7.0 | 132 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.651 | 0.619 | 4.9 | 120 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.207 | 0.207 | 0.0 | 127 | 0.00 |
| 68 | | Hexachlorobenzene | 0.212 | 0.222 | -4.7 | 128 | 0.00 |
| 69 | | Atrazine | 0.199 | 0.189 | 5.0 | 120 | 0.00 |
| 70 | C | Pentachlorophenol | 0.134 | 0.136 | -1.5 | 130 | 0.00 |
| 71 | | Phenanthrene | 1.091 | 1.061 | 2.7 | 123 | 0.00 |
| 72 | | Anthracene | 1.095 | 1.041 | 4.9 | 121 | 0.00 |
| 73 | | Carbazole | 1.011 | 0.953 | 5.7 | 120 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.363 | 1.296 | 4.9 | 120 | 0.00 |
| 75 | C | Fluoranthene | 1.101 | 1.074 | 2.5 | 121 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 77 | | Benzidine | 0.748 | 0.606 | 19.0 | 95 | 0.00 |
| 78 | | Pyrene | 1.662 | 1.664 | -0.1 | 118 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.191 | 1.247 | -4.7 | 127 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.803 | 0.778 | 3.1 | 113 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.326 | 1.313 | 1.0 | 117 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.347 | 0.355 | -2.3 | 115 | 0.00 |
| 83 | | Chrysene | 1.271 | 1.242 | 2.3 | 114 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 1.079 | 1.060 | 1.8 | 115 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.561 | 1.607 | -2.9 | 120 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 135 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.160 | 1.416 | -22.1 | 157# | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.436 | 1.387 | 3.4 | 128 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.317 | 1.213 | 7.9 | 113 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.185 | 1.191 | -0.5 | 133 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 0.987 | 1.208 | -22.4 | 160# | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 0.964 | 1.183 | -22.7 | 157# | 0.00 |

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