Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
Data File : BF133500.D
Acq On : 26 May 2023 13:07
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 27 01:07:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 25 23:30:55 2023
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 | 96 | 0.00 |
| 2 | | 1,4-Dioxane | 0.541 | 0.532 | 1.7 | 91 | 0.02 |
| 3 | | Pyridine | 1.518 | 1.485 | 2.2 | 93 | 0.02 |
| 4 | | n-Nitrosodimethylamine | 0.828 | 0.809 | 2.3 | 92 | 0.02 |
| 5 | S | 2-Fluorophenol | 1.199 | 1.170 | 2.4 | 95 | 0.00 |
| 6 | | Aniline | 2.004 | 1.979 | 1.2 | 95 | 0.00 |
| 7 | S | Phenol-d6 | 1.476 | 1.434 | 2.8 | 95 | 0.00 |
| 8 | | 2-Chlorophenol | 1.181 | 1.204 | -1.9 | 97 | 0.00 |
| 9 | | Benzaldehyde | 0.826 | 0.747 | 9.6 | 96 | 0.00 |
| 10 | C | Phenol | 1.480 | 1.487 | -0.5 | 95 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.224 | 1.190 | 2.8 | 94 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.311 | 1.265 | 3.5 | 94 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.315 | 1.274 | 3.1 | 94 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.213 | 1.172 | 3.4 | 94 | 0.00 |
| 15 | | Benzyl Alcohol | 1.120 | 1.136 | -1.4 | 95 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.321 | 2.225 | 4.1 | 92 | 0.00 |
| 17 | | 2-Methylphenol | 1.119 | 1.107 | 1.1 | 96 | 0.00 |
| 18 | | Hexachloroethane | 0.455 | 0.471 | -3.5 | 96 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.955 | 0.913 | 4.4 | 95 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.265 | 1.303 | -3.0 | 95 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 22 | | Acetophenone | 0.461 | 0.437 | 5.2 | 94 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.300 | 0.364 | -21.3 | 106 | 0.00 |
| 24 | | Nitrobenzene | 0.319 | 0.372 | -16.6 | 102 | 0.00 |
| 25 | | Isophorone | 0.698 | 0.684 | 2.0 | 95 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.121 | 0.170 | -40.5# | 118 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.297 | 0.292 | 1.7 | 95 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.405 | 0.391 | 3.5 | 94 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.267 | 0.279 | -4.5 | 98 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.289 | 0.281 | 2.8 | 94 | 0.00 |
| 31 | | Naphthalene | 0.970 | 0.943 | 2.8 | 96 | 0.00 |
| 32 | | Benzoic acid | 0.172 | 0.225 | -30.8# | 119 | 0.00 |
| 33 | | 4-Chloroaniline | 0.416 | 0.417 | -0.2 | 98 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.176 | 0.175 | 0.6 | 96 | 0.00 |
| 35 | | Caprolactam | 0.088 | 0.096 | -9.1 | 101 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.299 | 0.307 | -2.7 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.662 | 0.644 | 2.7 | 94 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.617 | 0.603 | 2.3 | 95 | 0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.593 | 0.577 | 2.7 | 96 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.304 | 0.312 | -2.6 | 93 | 0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.199 | 0.221 | -11.1 | 102 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.379 | 0.401 | -5.8 | 98 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.440 | 0.470 | -6.8 | 98 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.296 | 1.267 | 2.2 | 96 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.625 | 1.569 | 3.4 | 96 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.178 | 1.129 | 4.2 | 95 | 0.00 |

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BNA_F
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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.320 | 0.424 | -32.5# | 112 | 0.00 |
| 49 | | Acenaphthylene | 2.010 | 1.959 | 2.5 | 95 | 0.00 |
| 50 | | Dimethylphthalate | 1.406 | 1.405 | 0.1 | 98 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.227 | 0.310 | -36.6# | 114 | 0.00 |
| 52 | C | Acenaphthene | 1.217 | 1.221 | -0.3 | 99 | 0.00 |
| 53 | | 3-Nitroaniline | 0.291 | 0.380 | -30.6# | 112 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.097 | 0.145 | -49.5# | 149 | 0.00 |
| 55 | | Dibenzofuran | 1.811 | 1.766 | 2.5 | 96 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.240 | 0.294 | -22.5 | 114 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.272 | 0.397 | -46.0# | 121 | 0.00 |
| 58 | | Fluorene | 1.327 | 1.283 | 3.3 | 98 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.332 | 0.367 | -10.5 | 101 | 0.00 |
| 60 | | Diethylphthalate | 1.459 | 1.471 | -0.8 | 98 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.637 | 0.615 | 3.5 | 97 | 0.00 |
| 62 | | 4-Nitroaniline | 0.297 | 0.373 | -25.6# | 109 | 0.01 |
| 63 | | Azobenzene | 1.461 | 1.447 | 1.0 | 97 | 0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.070 | 0.098 | -40.0# | 139 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.649 | 0.622 | 4.2 | 99 | 0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.212 | 0.206 | 2.8 | 97 | 0.01 |
| 68 | | Hexachlorobenzene | 0.222 | 0.213 | 4.1 | 97 | 0.00 |
| 69 | | Atrazine | 0.178 | 0.177 | 0.6 | 99 | 0.00 |
| 70 | C | Pentachlorophenol | 0.133 | 0.154 | -15.8 | 106 | 0.00 |
| 71 | | Phenanthrene | 1.013 | 0.975 | 3.8 | 99 | 0.00 |
| 72 | | Anthracene | 1.043 | 1.009 | 3.3 | 100 | 0.00 |
| 73 | | Carbazole | 0.986 | 0.959 | 2.7 | 100 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.166 | 1.161 | 0.4 | 99 | 0.00 |
| 75 | C | Fluoranthene | 1.119 | 1.098 | 1.9 | 100 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 77 | | Benzidine | 0.585 | 0.497 | 15.0 | 94 | 0.00 |
| 78 | | Pyrene | 1.702 | 1.690 | 0.7 | 100 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.125 | 1.062 | 5.6 | 99 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.673 | 0.715 | -6.2 | 99 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.332 | 1.280 | 3.9 | 97 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.416 | 0.401 | 3.6 | 95 | 0.00 |
| 83 | | Chrysene | 1.345 | 1.329 | 1.2 | 98 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.842 | 0.853 | -1.3 | 96 | 0.01 |
| 85 | c | Di-n-octyl phthalate | 1.402 | 1.519 | -8.3 | 94 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 98 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.274 | 1.209 | 5.1 | 96 | 0.01 |
| 88 | | Benzo(b)fluoranthene | 1.302 | 1.219 | 6.4 | 94 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 1.270 | 1.222 | 3.8 | 95 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.185 | 1.142 | 3.6 | 95 | 0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.033 | 0.988 | 4.4 | 95 | 0.01 |
| 92 | | Benzo(g,h,i)perylene | 1.042 | 0.986 | 5.4 | 96 | 0.02 |

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