# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091422\
Data File : BF130242.D
Acq On : 14 Sep 2022 16:24
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 15 01:22:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 14 14:55:51 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 | 101 | 0.00 |
| 2 | | 1,4-Dioxane | 0.530 | 0.532 | -0.4 | 102 | 0.00 |
| 3 | | Pyridine | 1.381 | 1.350 | 2.2 | 102 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.751 | 0.733 | 2.4 | 98 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.153 | 1.145 | 0.7 | 102 | 0.00 |
| 6 | | Aniline | 1.778 | 1.723 | 3.1 | 99 | 0.00 |
| 7 | S | Phenol-d6 | 1.443 | 1.399 | 3.0 | 100 | 0.00 |
| 8 | | 2-Chlorophenol | 1.314 | 1.290 | 1.8 | 101 | 0.00 |
| 9 | | Benzaldehyde | 0.966 | 0.943 | 2.4 | 102 | 0.00 |
| 10 | C | Phenol | 1.691 | 1.654 | 2.2 | 99 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.220 | 1.168 | 4.3 | 98 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.445 | 1.412 | 2.3 | 101 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.474 | 1.455 | 1.3 | 102 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.377 | 1.347 | 2.2 | 100 | 0.00 |
| 15 | | Benzyl Alcohol | 1.144 | 1.148 | -0.3 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.779 | 1.676 | 5.8 | 97 | 0.00 |
| 17 | | 2-Methylphenol | 1.068 | 1.032 | 3.4 | 98 | 0.00 |
| 18 | | Hexachloroethane | 0.581 | 0.576 | 0.9 | 101 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.974 | 0.934 | 4.1 | 97 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.387 | 1.336 | 3.7 | 98 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 22 | | Acetophenone | 0.489 | 0.472 | 3.5 | 99 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.391 | 0.384 | 1.8 | 99 | 0.00 |
| 24 | | Nitrobenzene | 0.398 | 0.384 | 3.5 | 98 | 0.00 |
| 25 | | Isophorone | 0.631 | 0.609 | 3.5 | 98 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.163 | 0.170 | -4.3 | 101 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.251 | 0.247 | 1.6 | 100 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.355 | 0.341 | 3.9 | 99 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.275 | 0.269 | 2.2 | 98 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.297 | 0.291 | 2.0 | 100 | 0.00 |
| 31 | | Naphthalene | 1.030 | 0.989 | 4.0 | 99 | 0.00 |
| 32 | | Benzoic acid | 0.194 | 0.199 | -2.6 | 97 | 0.00 |
| 33 | | 4-Chloroaniline | 0.392 | 0.387 | 1.3 | 100 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.190 | 0.188 | 1.1 | 101 | 0.00 |
| 35 | | Caprolactam | 0.079 | 0.078 | 1.3 | 98 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.305 | 0.301 | 1.3 | 99 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.657 | 0.636 | 3.2 | 99 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.631 | 0.613 | 2.9 | 100 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.546 | 0.541 | 0.9 | 102 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.292 | 0.296 | -1.4 | 98 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.192 | 0.191 | 0.5 | 98 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.381 | 0.383 | -0.5 | 99 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.411 | 0.411 | 0.0 | 101 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.373 | 1.330 | 3.1 | 99 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.494 | 1.436 | 3.9 | 98 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.208 | 1.183 | 2.1 | 100 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.403 | 0.405 | -0.5 | 98 | 0.00 |
| 49 | | Acenaphthylene | 1.812 | 1.764 | 2.6 | 99 | 0.00 |
| 50 | | Dimethylphthalate | 1.382 | 1.356 | 1.9 | 99 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.289 | 0.290 | -0.3 | 101 | 0.00 |
| 52 | C | Acenaphthene | 1.190 | 1.171 | 1.6 | 100 | 0.00 |
| 53 | | 3-Nitroaniline | 0.322 | 0.323 | -0.3 | 99 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.132 | 0.143 | -8.3 | 103 | 0.00 |
| 55 | | Dibenzofuran | 1.656 | 1.599 | 3.4 | 99 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.234 | 0.243 | -3.8 | 98 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.369 | 0.382 | -3.5 | 100 | 0.00 |
| 58 | | Fluorene | 1.354 | 1.314 | 3.0 | 97 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.322 | 0.322 | 0.0 | 102 | 0.00 |
| 60 | | Diethylphthalate | 1.385 | 1.345 | 2.9 | 97 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.594 | 0.589 | 0.8 | 101 | 0.00 |
| 62 | | 4-Nitroaniline | 0.323 | 0.324 | -0.3 | 98 | 0.00 |
| 63 | | Azobenzene | 1.427 | 1.370 | 4.0 | 96 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.111 | 0.116 | -4.5 | 100 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.668 | 0.652 | 2.4 | 99 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.221 | 0.215 | 2.7 | 99 | 0.00 |
| 68 | | Hexachlorobenzene | 0.250 | 0.244 | 2.4 | 99 | 0.00 |
| 69 | | Atrazine | 0.195 | 0.193 | 1.0 | 99 | 0.00 |
| 70 | C | Pentachlorophenol | 0.134 | 0.141 | -5.2 | 99 | 0.00 |
| 71 | | Phenanthrene | 1.123 | 1.093 | 2.7 | 99 | 0.00 |
| 72 | | Anthracene | 1.084 | 1.056 | 2.6 | 98 | 0.00 |
| 73 | | Carbazole | 0.978 | 0.960 | 1.8 | 99 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.179 | 1.147 | 2.7 | 96 | 0.00 |
| 75 | C | Fluoranthene | 1.085 | 1.046 | 3.6 | 96 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 77 | | Benzidine | 0.581 | 0.603 | -3.8 | 91 | 0.00 |
| 78 | | Pyrene | 1.750 | 1.829 | -4.5 | 96 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.207 | 1.257 | -4.1 | 96 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.648 | 0.663 | -2.3 | 91 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.330 | 1.324 | 0.5 | 93 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.362 | 0.364 | -0.6 | 92 | 0.00 |
| 83 | | Chrysene | 1.263 | 1.236 | 2.1 | 93 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.742 | 0.763 | -2.8 | 93 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.136 | 1.118 | 1.6 | 92 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.418 | 1.517 | -7.0 | 102 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.305 | 1.285 | 1.5 | 98 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.284 | 1.218 | 5.1 | 95 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.034 | 1.022 | 1.2 | 97 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.163 | 1.254 | -7.8 | 104 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.172 | 1.260 | -7.5 | 103 | 0.00 |

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