# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081922\
Data File : BF129901.D
Acq On : 19 Aug 2022 09:12
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 20 01:06:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 18 12:03:10 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 76 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 41.135 | -2.8 | 83 | 0.04 |
| 3 | | Pyridine | 40.000 | 43.580 | -8.9 | 88 | 0.04 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 43.761 | -9.4 | 86 | 0.04 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.344 | -2.9 | 85 | 0.00 |
| 6 | | Aniline | 40.000 | 40.598 | -1.5 | 84 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 81.276 | -1.6 | 84 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.678 | 0.8 | 81 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 42.624 | -6.6 | 80 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.850 | -2.1 | 84 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.820 | 2.9 | 79 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.331 | 1.7 | 81 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.382 | 1.5 | 82 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.734 | 0.7 | 82 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.503 | -1.3 | 84 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.971 | 5.1 | 78 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.904 | 0.2 | 83 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.810 | 0.5 | 82 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.972 | 2.6 | 79 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.294 | -0.7 | 83 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 73 | 0.01 |
| 22 | | Acetophenone | 40.000 | 40.232 | -0.6 | 81 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.792 | -1.0 | 81 | 0.01 |
| 24 | | Nitrobenzene | 40.000 | 40.499 | -1.2 | 81 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.449 | 3.9 | 76 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.249 | -0.6 | 79 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.479 | 1.3 | 78 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.332 | 4.2 | 75 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.261 | -0.7 | 79 | 0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.885 | 2.8 | 78 | 0.01 |
| 31 | | Naphthalene | 40.000 | 39.930 | 0.2 | 80 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 42.614 | -6.5 | 82 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.310 | 1.7 | 78 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.385 | 4.0 | 76 | 0.01 |
| 35 | | Caprolactam | 40.000 | 40.837 | -2.1 | 81 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.621 | 0.9 | 79 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.860 | 2.9 | 77 | 0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.448 | 3.9 | 77 | 0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 72 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.227 | 4.4 | 75 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 43.893 | -9.7 | 84 | 0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 73.936 | 7.6 | 71 | 0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 38.793 | 3.0 | 75 | 0.01 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.014 | 2.5 | 74 | 0.01 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 77.520 | 3.1 | 77 | 0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.760 | 3.1 | 76 | 0.01 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.028 | 2.4 | 77 | 0.01 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 41.530 | -3.8 | 80 | 0.01 |
| 49 | | Acenaphthylene | 40.000 | 39.165 | 2.1 | 77 | 0.01 |
| 50 | | Dimethylphthalate | 40.000 | 37.256 | 6.9 | 73 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.061 | 2.3 | 75 | 0.01 |
| 52 | C | Acenaphthene | 40.000 | 39.267 | 1.8 | 77 | 0.01 |
| 53 | | 3-Nitroaniline | 40.000 | 41.005 | -2.5 | 79 | 0.01 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.250 | -3.1 | 80 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.475 | 3.8 | 77 | 0.01 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.474 | 3.8 | 70 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.075 | 2.3 | 78 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.360 | 4.1 | 77 | 0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.947 | 2.6 | 73 | 0.01 |
| 60 | | Diethylphthalate | 40.000 | 36.050 | 9.9 | 71 | 0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 36.801 | 8.0 | 73 | 0.01 |
| 62 | | 4-Nitroaniline | 40.000 | 41.583 | -4.0 | 82 | 0.02 |
| 63 | | Azobenzene | 40.000 | 37.544 | 6.1 | 74 | 0.01 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 71 | 0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.245 | -5.6 | 74 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.242 | 1.9 | 76 | 0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 37.434 | 6.4 | 72 | 0.01 |
| 68 | | Hexachlorobenzene | 40.000 | 38.899 | 2.8 | 75 | 0.01 |
| 69 | | Atrazine | 40.000 | 37.798 | 5.5 | 74 | 0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 39.394 | 1.5 | 75 | 0.01 |
| 71 | | Phenanthrene | 40.000 | 40.011 | -0.0 | 78 | 0.01 |
| 72 | | Anthracene | 40.000 | 39.608 | 1.0 | 77 | 0.01 |
| 73 | | Carbazole | 40.000 | 40.596 | -1.5 | 80 | 0.02 |
| 74 | | Di-n-butylphthalate | 40.000 | 35.586 | 11.0 | 70 | 0.01 |
| 75 | C | Fluoranthene | 40.000 | 39.499 | 1.3 | 78 | 0.01 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 79 | 0.02 |
| 77 | | Benzidine | 40.000 | 59.044 | -47.6# | 112 | 0.01 |
| 78 | | Pyrene | 40.000 | 40.548 | -1.4 | 81 | 0.01 |
| 79 | S | Terphenyl-d14 | 80.000 | 76.156 | 4.8 | 77 | 0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 36.554 | 8.6 | 75 | 0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.816 | 3.0 | 83 | 0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.290 | 4.3 | 84 | 0.02 |
| 83 | | Chrysene | 40.000 | 38.604 | 3.5 | 83 | 0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 34.497 | 13.8 | 74 | 0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 32.046 | 19.9 | 70 | 0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 79 | 0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 44.222 | -10.6 | 86 | 0.04 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 36.710 | 8.2 | 77 | 0.02 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 38.202 | 4.5 | 86 | 0.02 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.676 | 3.3 | 83 | 0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 43.318 | -8.3 | 83 | 0.04 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 45.225 | -13.1 | 86 | 0.04 |

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