# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
Data File : BF137011.D
Acq On : 10 Jan 2024 10:24
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 10 10:44:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 81 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.664 | -1.7 | 84 | 0.00 |
| 3 | | Pyridine | 40.000 | 39.504 | 1.2 | 79 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.269 | 9.3 | 71 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.567 | -4.5 | 84 | 0.00 |
| 6 | | Aniline | 40.000 | 39.385 | 1.5 | 78 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.085 | -0.1 | 80 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.671 | -1.7 | 81 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 38.140 | 4.6 | 78 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.789 | 0.5 | 80 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.195 | 2.0 | 78 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.486 | -1.2 | 81 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.524 | -1.3 | 81 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.262 | -3.2 | 83 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.112 | -0.3 | 79 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.576 | 6.1 | 75 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.182 | 2.0 | 79 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.219 | 2.0 | 79 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.939 | 0.2 | 81 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.150 | -2.9 | 83 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 82 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.733 | -1.8 | 82 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.434 | 0.7 | 79 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.817 | 0.5 | 78 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.509 | 1.2 | 79 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.147 | -2.9 | 80 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.832 | -2.1 | 81 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.212 | 2.0 | 77 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.082 | -2.7 | 81 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.369 | -3.4 | 82 | -0.01 |
| 31 | | Naphthalene | 40.000 | 40.255 | -0.6 | 80 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 38.079 | 4.8 | 70 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 40.142 | -0.4 | 80 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.138 | -0.3 | 80 | -0.01 |
| 35 | | Caprolactam | 40.000 | 42.415 | -6.0 | 83 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.070 | -0.2 | 80 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.630 | -1.6 | 82 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 40.497 | -1.2 | 82 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 81 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.498 | -1.2 | 80 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 34.996 | 12.5 | 70 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 80.168 | -0.2 | 80 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.511 | -1.3 | 80 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 38.540 | 3.7 | 76 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 80.821 | -1.0 | 83 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.479 | -1.2 | 82 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.568 | -1.4 | 81 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 39.651 | 0.9 | 78 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.349 | -0.9 | 80 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.270 | -0.7 | 81 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.562 | -3.9 | 82 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.919 | 0.2 | 80 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.572 | -1.4 | 79 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 39.088 | 2.3 | 75 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.513 | 1.2 | 80 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 39.996 | 0.0 | 76 | 0.02 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.719 | 0.7 | 78 | 0.00 |
| 58 | | Fluorene | 40.000 | 41.622 | -4.1 | 84 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.094 | 4.8 | 74 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.248 | -0.6 | 80 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 41.175 | -2.9 | 83 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.861 | -2.2 | 84 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.825 | 2.9 | 78 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 85 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.862 | 0.3 | 75 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.243 | -0.6 | 82 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.989 | 0.0 | 82 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.443 | -1.1 | 83 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.524 | 1.2 | 97 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 32.773 | 18.1 | 62 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.699 | -1.7 | 83 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.829 | -2.1 | 85 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.636 | -1.6 | 84 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.097 | -2.7 | 85 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 41.600 | -4.0 | 87 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 90 | 0.01 |
| 77 | | Benzidine | 40.000 | 41.855 | -4.6 | 99 | 0.00 |
| 78 | | Pyrene | 40.000 | 41.352 | -3.4 | 89 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 83.560 | -4.5 | 90 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 43.729 | -9.3 | 93 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 42.023 | -5.1 | 92 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.719 | -1.8 | 91 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.580 | -1.4 | 90 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 47.000 | -17.5 | 100 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.560 | -6.4 | 92 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 83 | 0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.021 | -2.6 | 81 | 0.05 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 42.222 | -5.6 | 88 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 39.558 | 1.1 | 79 | 0.01 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.940 | 0.2 | 81 | 0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 40.967 | -2.4 | 79 | 0.04 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 41.588 | -4.0 | 81 | 0.05 |

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