# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031925\
Data File : BF141996.D
Acq On : 19 Mar 2025 10:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 19 11:07:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
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 | 101 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.332 | 6.7 | 93 | -0.03 |
| 3 | | Pyridine | 40.000 | 36.062 | 9.8 | 91 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.892 | 10.3 | 91 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 75.566 | 5.5 | 99 | 0.00 |
| 6 | | Aniline | 40.000 | 34.393 | 14.0 | 89 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 71.983 | 10.0 | 96 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.340 | 6.6 | 99 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 31.700 | 20.8 | 87 | 0.00 |
| 10 | C | Phenol | 40.000 | 35.872 | 10.3 | 94 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 35.873 | 10.3 | 95 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.141 | 4.6 | 100 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.016 | 5.0 | 100 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.844 | 5.4 | 100 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 35.496 | 11.3 | 93 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.249 | 16.9 | 89 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 35.367 | 11.6 | 93 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 37.928 | 5.2 | 100 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 32.398 | 19.0 | 87 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 34.823 | 12.9 | 92 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.329 | 6.7 | 90 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.690 | 2.9 | 92 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.667 | 3.3 | 92 | 0.00 |
| 25 | | Isophorone | 40.000 | 35.861 | 10.3 | 87 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.019 | -5.0 | 97 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.927 | 5.2 | 91 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.264 | 9.3 | 89 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.723 | 3.2 | 93 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.418 | 1.5 | 97 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.920 | 5.2 | 92 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 42.082 | -5.2 | 99 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 36.299 | 9.3 | 87 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.813 | -2.0 | 100 | 0.00 |
| 35 | | Caprolactam | 40.000 | 34.542 | 13.6 | 86 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 36.421 | 8.9 | 88 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.030 | 7.4 | 91 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 36.677 | 8.3 | 91 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.281 | -0.7 | 92 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 41.733 | -4.3 | 88 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 77.676 | 2.9 | 87 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.362 | 1.6 | 87 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.806 | 0.5 | 91 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 77.412 | 3.2 | 90 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.848 | 2.9 | 90 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.260 | 1.9 | 90 | 0.00 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 37.701 | 5.7 | 85 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 38.613 | 3.5 | 88 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 36.720 | 8.2 | 86 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.759 | 3.1 | 88 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.984 | 2.5 | 89 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 37.134 | 7.2 | 83 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.071 | -2.7 | 97 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 37.987 | 5.0 | 88 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 39.625 | 0.9 | 85 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.055 | 4.9 | 86 | 0.00 |
| 58 | | Fluorene | 40.000 | 37.370 | 6.6 | 88 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.346 | 4.1 | 87 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 36.339 | 9.2 | 84 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 37.706 | 5.7 | 88 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 37.346 | 6.6 | 83 | 0.00 |
| 63 | | Azobenzene | 40.000 | 35.983 | 10.0 | 83 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.165 | -5.4 | 90 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.362 | 4.1 | 86 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.006 | 2.5 | 87 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.731 | 0.7 | 88 | 0.00 |
| 69 | | Atrazine | 40.000 | 32.155 | 19.6 | 84 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.832 | -4.6 | 86 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 37.930 | 5.2 | 85 | 0.00 |
| 72 | | Anthracene | 40.000 | 37.902 | 5.2 | 85 | 0.00 |
| 73 | | Carbazole | 40.000 | 36.995 | 7.5 | 82 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 35.563 | 11.1 | 81 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 35.432 | 11.4 | 79 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 88 | 0.00 |
| 77 | | Benzidine | 40.000 | 57.673 | -44.2# | 98 | 0.00 |
| 78 | | Pyrene | 40.000 | 32.277 | 19.3 | 76 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 65.031 | 18.7 | 76 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 33.781 | 15.5 | 77 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.356 | 1.6 | 89 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 43.967 | -9.9 | 99 | 0.00 |
| 83 | | Chrysene | 40.000 | 37.486 | 6.3 | 86 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.377 | 9.1 | 83 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.981 | -7.5 | 97 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 111 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.305 | -0.8 | 112 | 0.01 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 37.628 | 5.9 | 118 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 36.348 | 9.1 | 98 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.063 | 4.8 | 109 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 40.478 | -1.2 | 112 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 40.670 | -1.7 | 112 | 0.01 |

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