# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112522\
Data File : BF131398.D
Acq On : 25 Nov 2022 16:23
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 26 00:03:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 25 23:13:01 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 | 78 | 0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 39.540 | 1.2 | 83 | 0.02 |
| 3 | | Pyridine | 40.000 | 40.599 | -1.5 | 84 | 0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.136 | 4.7 | 79 | 0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.234 | -4.0 | 86 | 0.00 |
| 6 | | Aniline | 40.000 | 39.208 | 2.0 | 82 | 0.01 |
| 7 | S | Phenol-d6 | 80.000 | 82.276 | -2.8 | 86 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.507 | -3.8 | 85 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 44.492 | -11.2 | 88 | 0.01 |
| 10 | C | Phenol | 40.000 | 41.413 | -3.5 | 86 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.664 | 3.3 | 81 | 0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.872 | 2.8 | 83 | 0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.554 | 3.6 | 82 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.189 | 2.0 | 85 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 44.367 | -10.9 | 87 | 0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.823 | 10.4 | 74 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.302 | -3.3 | 85 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.280 | -3.2 | 85 | 0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.277 | 4.3 | 81 | 0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.901 | -7.3 | 88 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 79 | 0.01 |
| 22 | | Acetophenone | 40.000 | 38.546 | 3.6 | 83 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.065 | 1.2 | 84 | 0.01 |
| 24 | | Nitrobenzene | 40.000 | 38.776 | 3.1 | 82 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.234 | 4.4 | 81 | 0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 52.584 | -31.5# | 116 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.723 | -1.8 | 84 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.895 | 7.8 | 79 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.326 | -3.3 | 84 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.224 | 4.4 | 82 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.275 | 4.3 | 83 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 50.687 | -26.7# | 128 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 38.831 | 2.9 | 84 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.871 | 5.3 | 81 | 0.00 |
| 35 | | Caprolactam | 40.000 | 46.903 | -17.3 | 93 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.563 | -6.4 | 88 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.805 | 5.5 | 83 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.928 | 5.2 | 82 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 81 | 0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.736 | 5.7 | 83 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 44.456 | -11.1 | 92 | 0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 96.884 | -21.1 | 99 | 0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 45.520 | -13.8 | 94 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 43.781 | -9.5 | 90 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 73.729 | 7.8 | 83 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.020 | 4.9 | 84 | 0.01 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.435 | 3.9 | 85 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 46.502 | -16.3 | 95 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 38.600 | 3.5 | 85 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.289 | 1.8 | 85 | 0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.868 | -9.7 | 91 | 0.01 |
| 52 | C | Acenaphthene | 40.000 | 40.243 | -0.6 | 89 | 0.01 |
| 53 | | 3-Nitroaniline | 40.000 | 45.212 | -13.0 | 95 | 0.01 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 59.245 | -48.1# | 156 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.222 | 4.4 | 85 | 0.01 |
| 56 | P | 4-Nitrophenol | 40.000 | 50.823 | -27.1# | 103 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 46.534 | -16.3 | 97 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.709 | 3.2 | 88 | 0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 45.913 | -14.8 | 95 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.922 | 0.2 | 86 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.311 | 4.2 | 85 | 0.01 |
| 62 | | 4-Nitroaniline | 40.000 | 45.431 | -13.6 | 98 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.591 | 6.0 | 83 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 53.765 | -34.4# | 139 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 37.392 | 6.5 | 86 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 37.074 | 7.3 | 86 | 0.01 |
| 68 | | Hexachlorobenzene | 40.000 | 37.467 | 6.3 | 87 | 0.01 |
| 69 | | Atrazine | 40.000 | 41.571 | -3.9 | 91 | 0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 44.292 | -10.7 | 105 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.028 | 4.9 | 90 | 0.01 |
| 72 | | Anthracene | 40.000 | 37.876 | 5.3 | 90 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.861 | 0.3 | 93 | 0.01 |
| 74 | | Di-n-butylphthalate | 40.000 | 39.213 | 2.0 | 86 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.440 | 1.4 | 92 | 0.01 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 92 | 0.01 |
| 77 | | Benzidine | 40.000 | 57.377 | -43.4# | 135 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.540 | 3.7 | 92 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 75.450 | 5.7 | 92 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.231 | -3.1 | 105 | 0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.131 | 2.2 | 98 | 0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.913 | -12.3 | 107 | 0.01 |
| 83 | | Chrysene | 40.000 | 38.597 | 3.5 | 97 | 0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.211 | 9.5 | 90 | 0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 37.371 | 6.6 | 89 | 0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 89 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.839 | 0.4 | 89 | 0.02 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 38.693 | 3.3 | 94 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 38.023 | 4.9 | 90 | 0.01 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.145 | 2.1 | 92 | 0.01 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 39.869 | 0.3 | 89 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 39.781 | 0.5 | 89 | 0.02 |

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