# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
Data File : BF138240.D
Acq On : 19 Jun 2024 11:01
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 19 11:47:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
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 | 96 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.565 | 6.1 | 87 | 0.00 |
| 3 | | Pyridine | 40.000 | 39.008 | 2.5 | 92 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.696 | 8.3 | 84 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.994 | 2.5 | 91 | 0.00 |
| 6 | | Aniline | 40.000 | 38.385 | 4.0 | 88 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 75.244 | 5.9 | 88 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.788 | 3.0 | 89 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 42.123 | -5.3 | 104 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.498 | 3.8 | 89 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.645 | 3.4 | 90 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.457 | 6.4 | 87 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.701 | 5.7 | 88 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.449 | 6.4 | 86 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.769 | 0.6 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.593 | 6.0 | 87 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.958 | 2.6 | 89 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.326 | -0.8 | 92 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.630 | 5.9 | 88 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.636 | 5.9 | 86 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 99 | 0.00 |
| 22 | | Acetophenone | 40.000 | 35.708 | 10.7 | 87 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 76.803 | 4.0 | 90 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.072 | 4.8 | 90 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.033 | 4.9 | 93 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 47.809 | -19.5 | 106 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.329 | 9.2 | 87 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.427 | 3.9 | 93 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.708 | 3.2 | 92 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.521 | 6.2 | 90 | 0.00 |
| 31 | | Naphthalene | 40.000 | 36.807 | 8.0 | 89 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 46.348 | -15.9 | 114 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 37.119 | 7.2 | 91 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.002 | 5.0 | 91 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.750 | 0.6 | 94 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.996 | 2.5 | 94 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.211 | 7.0 | 90 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.169 | 7.1 | 90 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 36.725 | 8.2 | 91 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 42.196 | -5.5 | 98 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 79.685 | 0.4 | 95 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.208 | 2.0 | 93 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 38.705 | 3.2 | 94 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 70.172 | 12.3 | 89 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 36.742 | 8.1 | 92 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 37.025 | 7.4 | 92 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 42.914 | -7.3 | 99 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 36.997 | 7.5 | 92 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.605 | 3.5 | 96 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.270 | -8.2 | 101 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 37.430 | 6.4 | 93 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 41.874 | -4.7 | 99 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 47.023 | -17.6 | 125 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 36.841 | 7.9 | 91 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 39.954 | 0.1 | 93 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 45.254 | -13.1 | 104 | 0.00 |
| 58 | | Fluorene | 40.000 | 35.708 | 10.7 | 90 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.623 | 3.4 | 93 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.060 | -0.2 | 99 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 37.613 | 6.0 | 94 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.171 | -0.4 | 95 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.932 | 5.2 | 95 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.573 | -8.9 | 118 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 36.695 | 8.3 | 93 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.095 | 4.8 | 95 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 37.199 | 7.0 | 94 | 0.00 |
| 69 | | Atrazine | 40.000 | 37.416 | 6.5 | 95 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 40.105 | -0.3 | 95 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 36.134 | 9.7 | 92 | 0.00 |
| 72 | | Anthracene | 40.000 | 36.110 | 9.7 | 91 | 0.00 |
| 73 | | Carbazole | 40.000 | 35.865 | 10.3 | 90 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.748 | -4.4 | 104 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 35.941 | 10.1 | 91 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 99 | 0.00 |
| 77 | | Benzidine | 40.000 | 75.888 | -89.7# | 107 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.995 | 2.5 | 90 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 77.872 | 2.7 | 92 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 50.781 | -27.0# | 112 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 37.968 | 5.1 | 91 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.923 | -12.3 | 108 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.255 | 4.4 | 92 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 53.971 | -34.9# | 124 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 54.818 | -37.0# | 134 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.242 | 1.9 | 89 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 37.494 | 6.3 | 98 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 36.579 | 8.6 | 95 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 37.935 | 5.2 | 96 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 39.485 | 1.3 | 90 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 38.854 | 2.9 | 88 | 0.00 |

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