# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120823\
Data File : BF136484.D
Acq On : 09 Dec 2023 00:04
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Dec 09 00:25:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 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 | 99 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.501 | 3.7 | 91 | 0.00 |
| 3 | | Pyridine | 40.000 | 42.880 | -7.2 | 98 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.298 | 1.8 | 91 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 75.296 | 5.9 | 89 | 0.00 |
| 6 | | Aniline | 40.000 | 45.602 | -14.0 | 106 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 74.589 | 6.8 | 89 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.594 | 6.0 | 89 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 42.481 | -6.2 | 97 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.360 | 6.6 | 88 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.887 | 5.3 | 91 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 34.575 | 13.6 | 82 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 34.544 | 13.6 | 82 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 34.522 | 13.7 | 82 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.008 | 2.5 | 91 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.417 | 11.5 | 85 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.267 | 1.8 | 92 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 32.961 | 17.6 | 77 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.301 | 9.2 | 86 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.498 | 3.8 | 92 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.775 | 3.1 | 88 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.288 | 2.1 | 87 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 37.514 | 6.2 | 84 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.091 | 4.8 | 85 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.029 | 2.4 | 85 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 50.271 | -25.7# | 111 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.641 | 3.4 | 87 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.330 | 4.2 | 84 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 36.001 | 10.0 | 80 | 0.00 |
| 31 | | Naphthalene | 40.000 | 36.875 | 7.8 | 83 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 33.388 | 16.5 | 71 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 42.939 | -7.3 | 95 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 35.393 | 11.5 | 79 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.639 | 3.4 | 86 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.809 | 5.5 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.313 | 4.2 | 87 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 36.187 | 9.5 | 82 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.888 | -2.2 | 83 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 17.225 | 56.9# | 34 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 64.578 | 19.3 | 65 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.740 | 0.6 | 80 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.599 | -1.5 | 81 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 79.552 | 0.6 | 82 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.955 | 0.1 | 82 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 37.566 | 6.1 | 77 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 41.504 | -3.8 | 82 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.829 | 0.4 | 81 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 41.062 | -2.7 | 84 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.662 | 3.3 | 78 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 37.771 | 5.6 | 77 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.828 | -2.1 | 82 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 10.839 | 72.9# | 20 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.452 | 3.9 | 79 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 32.855 | 17.9 | 63 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 36.086 | 9.8 | 72 | 0.00 |
| 58 | | Fluorene | 40.000 | 35.767 | 10.6 | 74 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 33.488 | 16.3 | 67 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.897 | 2.8 | 79 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 37.984 | 5.0 | 79 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 37.055 | 7.4 | 72 | -0.01 |
| 63 | | Azobenzene | 40.000 | 36.038 | 9.9 | 73 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 66 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 21.449 | 46.4# | 31 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 47.251 | -18.1 | 76 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 45.299 | -13.2 | 71 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 37.763 | 5.6 | 60 | 0.00 |
| 69 | | Atrazine | 40.000 | 42.744 | -6.9 | 72 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 32.443 | 18.9 | 50 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.570 | 1.1 | 63 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.009 | -0.0 | 64 | 0.00 |
| 73 | | Carbazole | 40.000 | 37.363 | 6.6 | 59 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.025 | -0.1 | 63 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 34.012 | 15.0 | 54 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 75 | 0.00 |
| 77 | | Benzidine | 40.000 | 29.764 | 25.6# | 50 | 0.00 |
| 78 | | Pyrene | 40.000 | 30.296 | 24.3 | 54 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 61.444 | 23.2 | 55 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 34.134 | 14.7 | 59 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.548 | 3.6 | 71 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.418 | -11.0 | 82 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.222 | 1.9 | 71 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.326 | 6.7 | 65 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 45.197 | -13.0 | 79 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 30.759 | 23.1 | 59 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 38.247 | 4.4 | 80 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 40.989 | -2.5 | 82 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 41.092 | -2.7 | 83 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 31.535 | 21.2 | 61 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 28.411 | 29.0# | 54 | -0.01 |

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