# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061069.D
Acq On : 1 May 2024 9:43
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**LabSampleId :**
SSTDCCC040

Quant Time: May 01 10:20:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 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 | 104 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.404 | 4.0 | 99 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.966 | 7.6 | 90 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.315 | 9.2 | 92 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.566 | -3.2 | 103 | 0.00 |
| 6 | | Aniline | 40.000 | 39.017 | 2.5 | 101 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 81.643 | -2.1 | 105 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.698 | 0.8 | 101 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 43.452 | -8.6 | 108 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.842 | 0.4 | 105 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.937 | 0.2 | 105 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.644 | -4.1 | 108 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.889 | -4.7 | 107 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.489 | -3.7 | 108 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.491 | 1.3 | 103 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 42.493 | -6.2 | 109 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.865 | -2.2 | 102 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 43.420 | -8.6 | 105 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.329 | -3.3 | 109 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.524 | -3.8 | 105 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.393 | -1.0 | 105 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.645 | 1.7 | 104 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.570 | 1.1 | 102 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.778 | 5.6 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.059 | 2.4 | 103 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.382 | -1.0 | 107 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.243 | 1.9 | 105 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.032 | 2.4 | 103 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.899 | 2.8 | 102 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.675 | 3.3 | 101 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 35.930 | 10.2 | 92 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 37.830 | 5.4 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.511 | 1.2 | 106 | 0.00 |
| 35 | | Caprolactam | 40.000 | 35.965 | 10.1 | 100 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.958 | 5.1 | 98 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.758 | 3.1 | 102 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.506 | 3.7 | 104 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.944 | -7.4 | 105 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 45.274 | -13.2 | 101 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 77.228 | 3.5 | 94 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.203 | -3.0 | 100 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.758 | -1.9 | 99 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 84.382 | -5.5 | 103 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.375 | -3.4 | 101 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.803 | 0.5 | 96 | 0.00 |

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BNA_G
**LabSampleId :**
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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 39.002 | 2.5 | 96 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.881 | 0.3 | 97 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.648 | 3.4 | 96 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.946 | 2.6 | 95 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.575 | 1.1 | 96 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 37.389 | 6.5 | 95 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 36.061 | 9.8 | 90 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.837 | 0.4 | 98 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.992 | 2.5 | 93 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.493 | 3.8 | 93 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.723 | 3.2 | 94 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.231 | 1.9 | 95 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 37.611 | 6.0 | 93 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.079 | 2.3 | 97 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 38.414 | 4.0 | 93 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.380 | 4.0 | 94 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.028 | -0.1 | 93 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.117 | 2.2 | 93 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.750 | 0.6 | 93 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.553 | 1.1 | 95 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.264 | 1.8 | 93 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 40.904 | -2.3 | 93 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.475 | 1.3 | 92 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.667 | 0.8 | 93 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.132 | -0.3 | 93 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 39.988 | 0.0 | 92 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 40.558 | -1.4 | 95 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 96 | 0.00 |
| 77 | | Benzidine | 40.000 | 42.729 | -6.8 | 94 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.255 | 1.9 | 95 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 78.956 | 1.3 | 96 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 39.316 | 1.7 | 94 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.195 | 2.0 | 96 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 39.343 | 1.6 | 95 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.337 | 1.7 | 97 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.847 | 0.4 | 97 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 39.451 | 1.4 | 94 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 98 | -0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.936 | 2.7 | 98 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 38.446 | 3.9 | 98 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 39.243 | 1.9 | 98 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.834 | 2.9 | 98 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.125 | 4.7 | 96 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 39.021 | 2.4 | 97 | -0.02 |

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