# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110122\
Data File : BG055401.D
Acq On : 1 Nov 2022 19:53
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
ICVBG110122

Quant Time: Nov 02 05:09:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 02 05:05:12 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 | 106 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.280 | 6.8 | 100 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.157 | 4.6 | 102 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.962 | 2.6 | 103 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.285 | 3.4 | 104 | 0.00 |
| 6 | | Aniline | 40.000 | 38.172 | 4.6 | 105 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.541 | 1.8 | 106 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.266 | 4.3 | 106 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.366 | 1.6 | 106 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.677 | 3.3 | 106 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.458 | 3.9 | 107 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.119 | 4.7 | 105 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.288 | 4.3 | 105 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.441 | 3.9 | 107 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.722 | 0.7 | 109 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.465 | 6.3 | 105 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.408 | 4.0 | 107 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.278 | 4.3 | 108 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.465 | 6.3 | 107 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.231 | 4.4 | 107 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.785 | 5.5 | 106 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.072 | 2.4 | 107 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.471 | 3.8 | 106 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.242 | 4.4 | 109 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.539 | 1.2 | 110 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.529 | 3.7 | 109 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.178 | 4.6 | 109 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.628 | 3.4 | 109 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.355 | 4.1 | 108 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.474 | 3.8 | 108 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 40.946 | -2.4 | 123 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.195 | 2.0 | 109 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.721 | 3.2 | 109 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.156 | 2.1 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.786 | 3.0 | 109 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.460 | 3.8 | 110 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.071 | 4.8 | 109 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 111 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.664 | 3.3 | 111 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.190 | 7.0 | 111 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 80.899 | -1.1 | 114 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.281 | 1.8 | 112 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.223 | 1.9 | 111 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 75.656 | 5.4 | 110 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.336 | 4.2 | 111 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.077 | 4.8 | 110 | 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 | 39.525 | 1.2 | 111 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 38.377 | 4.1 | 110 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.440 | 3.9 | 112 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.193 | 2.0 | 112 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.367 | 4.1 | 111 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.024 | -0.1 | 112 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 39.256 | 1.9 | 117 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.721 | 3.2 | 111 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.465 | -3.7 | 110 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.885 | 0.3 | 111 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.467 | 3.8 | 111 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.690 | 0.8 | 114 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.508 | 3.7 | 111 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.285 | 4.3 | 112 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 39.247 | 1.9 | 109 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.695 | 3.3 | 112 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 112 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.296 | -3.2 | 111 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 37.878 | 5.3 | 112 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.589 | 3.5 | 114 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 37.962 | 5.1 | 111 | 0.00 |
| 69 | | Atrazine | 40.000 | 38.321 | 4.2 | 112 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 37.688 | 5.8 | 112 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 37.859 | 5.4 | 109 | 0.00 |
| 72 | | Anthracene | 40.000 | 37.910 | 5.2 | 110 | 0.00 |
| 73 | | Carbazole | 40.000 | 37.924 | 5.2 | 109 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 38.319 | 4.2 | 109 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.045 | 4.9 | 110 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 111 | 0.00 |
| 77 | | Benzidine | 40.000 | 37.402 | 6.5 | 97 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.061 | 4.8 | 110 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 74.389 | 7.0 | 109 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 38.275 | 4.3 | 110 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.131 | 4.7 | 110 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 37.902 | 5.2 | 107 | 0.00 |
| 83 | | Chrysene | 40.000 | 37.952 | 5.1 | 111 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.567 | 3.6 | 111 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 38.301 | 4.2 | 110 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 111 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.937 | 5.2 | 110 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 38.616 | 3.5 | 110 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 37.389 | 6.5 | 109 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.066 | 4.8 | 111 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.008 | 5.0 | 111 | -0.01 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 37.860 | 5.4 | 110 | 0.00 |

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