# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122123\
Data File : BG060128.D
Acq On : 21 Dec 2023 18:49
Operator : MA/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
ICVBG122123

Quant Time: Dec 22 03:43:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 03:42:04 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 | 94 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.839 | 2.9 | 91 | 0.00 |
| 3 | | Pyridine | 40.000 | 43.200 | -8.0 | 92 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.781 | -4.5 | 91 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.505 | -0.6 | 93 | 0.00 |
| 6 | | Aniline | 40.000 | 44.640 | -11.6 | 94 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 86.001 | -7.5 | 93 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 43.225 | -8.1 | 95 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 41.964 | -4.9 | 97 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.767 | -6.9 | 92 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.517 | -3.8 | 91 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.732 | 0.7 | 90 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.872 | 2.8 | 89 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.672 | -1.7 | 92 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 45.967 | -14.9 | 94 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.349 | 4.1 | 84 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 43.639 | -9.1 | 94 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.446 | 1.4 | 91 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 45.400 | -13.5 | 92 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 45.504 | -13.8 | 95 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 92 | 0.00 |
| 22 | | Acetophenone | 40.000 | 42.255 | -5.6 | 95 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.792 | -6.0 | 95 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.459 | -6.1 | 95 | 0.00 |
| 25 | | Isophorone | 40.000 | 43.117 | -7.8 | 94 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.500 | -6.3 | 92 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.468 | -6.2 | 91 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.862 | -2.2 | 90 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 44.068 | -10.2 | 94 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.922 | -2.3 | 92 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.687 | -1.7 | 89 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 44.377 | -10.9 | 98 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 46.870 | -17.2 | 96 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.604 | -1.5 | 92 | 0.00 |
| 35 | | Caprolactam | 40.000 | 53.828 | -34.6# | 108 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 48.156 | -20.4# | 99 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 43.504 | -8.8 | 94 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 44.682 | -11.7 | 97 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.633 | 3.4 | 97 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.025 | 7.4 | 92 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 92.500 | -15.6 | 105 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.556 | -1.4 | 96 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.762 | -4.4 | 98 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 79.516 | 0.6 | 96 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.719 | 3.2 | 96 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.072 | 2.3 | 95 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 44.948 | -12.4 | 104 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 41.516 | -3.8 | 97 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 42.840 | -7.1 | 101 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 45.447 | -13.6 | 104 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.509 | -3.8 | 98 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 47.549 | -18.9 | 107 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 43.423 | -8.6 | 105 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 42.043 | -5.1 | 99 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 49.596 | -24.0 | 112 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 48.155 | -20.4 | 107 | 0.00 |
| 58 | | Fluorene | 40.000 | 43.560 | -8.9 | 102 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 45.160 | -12.9 | 104 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 44.934 | -12.3 | 104 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 43.108 | -7.8 | 101 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 47.718 | -19.3 | 106 | 0.00 |
| 63 | | Azobenzene | 40.000 | 42.871 | -7.2 | 100 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.885 | -9.7 | 103 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.125 | -0.3 | 102 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.622 | 0.9 | 103 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.739 | 0.7 | 104 | 0.00 |
| 69 | | Atrazine | 40.000 | 35.888 | 10.3 | 107 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 44.451 | -11.1 | 106 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.543 | -3.9 | 105 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.775 | -4.4 | 106 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.767 | -4.4 | 107 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.350 | -3.4 | 105 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 41.750 | -4.4 | 107 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 116 | 0.00 |
| 77 | | Benzidine | 40.000 | 35.205 | 12.0 | 113 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.211 | 2.0 | 108 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 69.552 | 13.1 | 106 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 44.517 | -11.3 | 119 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.000 | -2.5 | 116 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.621 | -1.6 | 114 | 0.00 |
| 83 | | Chrysene | 40.000 | 41.240 | -3.1 | 115 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.626 | -4.1 | 116 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 41.155 | -2.9 | 113 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 115 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.470 | -3.7 | 115 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 40.930 | -2.3 | 114 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 40.442 | -1.1 | 117 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 40.596 | -1.5 | 114 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 41.487 | -3.7 | 115 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 41.174 | -2.9 | 117 | 0.00 |

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|---|---|---|---|---|---|

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