# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059820.D
Acq On : 22 Nov 2023 16:19
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 22 16:54:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 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 | 101 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 53.750 | -34.4# | 182 | -0.01 |
| 3 | | Pyridine | 40.000 | 56.476 | -41.2# | 158 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 51.761 | -29.4# | 150 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 74.282 | 7.1 | 98 | 0.00 |
| 6 | | Aniline | 40.000 | 36.592 | 8.5 | 94 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.044 | 4.9 | 97 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.018 | -0.0 | 96 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.951 | 0.1 | 107 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.838 | 5.4 | 95 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 35.324 | 11.7 | 88 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.919 | -2.3 | 105 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 44.456 | -11.1 | 116 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.592 | -6.5 | 114 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 40.527 | -1.3 | 100 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.949 | 2.6 | 111 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 41.616 | -4.0 | 106 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 43.732 | -9.3 | 113 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.927 | 2.7 | 96 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.952 | 0.1 | 101 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 104 | -0.01 |
| 22 | | Acetophenone | 40.000 | 41.751 | -4.4 | 105 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.286 | -5.4 | 103 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.177 | -5.4 | 103 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.777 | 5.6 | 95 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.326 | -3.3 | 108 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.122 | 7.2 | 97 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.599 | 3.5 | 99 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.298 | -3.2 | 99 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.573 | -6.4 | 105 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.417 | -1.0 | 98 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 29.731 | 25.7# | 78 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 41.389 | -3.5 | 102 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 43.720 | -9.3 | 113 | 0.00 |
| 35 | | Caprolactam | 40.000 | 36.023 | 9.9 | 95 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.973 | -9.9 | 111 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.533 | -6.3 | 104 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 43.181 | -8.0 | 107 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 128 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 44.392 | -11.0 | 141 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 49.795 | -24.5 | 157 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 97.615 | -22.0 | 155 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.690 | -9.2 | 137 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 43.699 | -9.2 | 139 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 90.398 | -13.0 | 142 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 43.008 | -7.5 | 138 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 42.862 | -7.2 | 141 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 51.573 | -28.9# | 161 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 43.442 | -8.6 | 141 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 44.991 | -12.5 | 146 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.908 | -9.8 | 145 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 43.191 | -8.0 | 137 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 38.494 | 3.8 | 122 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 40.674 | -1.7 | 135 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 43.063 | -7.7 | 140 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 39.592 | 1.0 | 133 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 45.385 | -13.5 | 150 | 0.00 |
| 58 | | Fluorene | 40.000 | 43.340 | -8.4 | 137 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 44.558 | -11.4 | 150 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 46.266 | -15.7 | 153 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 45.123 | -12.8 | 145 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.829 | -2.1 | 143 | 0.00 |
| 63 | | Azobenzene | 40.000 | 44.303 | -10.8 | 141 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 139 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.906 | -2.3 | 139 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 42.341 | -5.9 | 138 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 44.375 | -10.9 | 150 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 44.747 | -11.9 | 149 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.937 | 0.2 | 143 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 40.732 | -1.8 | 133 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 42.959 | -7.4 | 142 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.296 | -3.2 | 136 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.025 | -0.1 | 133 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.850 | -4.6 | 140 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.299 | 1.8 | 137 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 137 | 0.00 |
| 77 | | Benzidine | 40.000 | 32.182 | 19.5 | 111 | 0.00 |
| 78 | | Pyrene | 40.000 | 42.840 | -7.1 | 142 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 86.312 | -7.9 | 145 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 43.137 | -7.8 | 145 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.957 | -2.4 | 137 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.564 | -1.4 | 136 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.178 | -0.4 | 133 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.654 | -1.6 | 135 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 35.880 | 10.3 | 104 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 91 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.800 | -2.0 | 89 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 48.781 | -22.0 | 93 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 47.256 | -18.1 | 91 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 41.676 | -4.2 | 89 | 0.01 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 41.948 | -4.9 | 94 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 39.067 | 2.3 | 86 | 0.00 |

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

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