# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102622\
Data File : BG055299.D
Acq On : 26 Oct 2022 14:49
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 27 10:35:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 24 16:54:05 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 | 154 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 34.231 | 14.4 | 129 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.526 | 8.7 | 129 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 34.936 | 12.7 | 132 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 76.524 | 4.3 | 145 | 0.00 |
| 6 | | Aniline | 40.000 | 37.792 | 5.5 | 136 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.536 | 4.3 | 139 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.323 | 1.7 | 146 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 33.805 | 15.5 | 133 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.015 | 5.0 | 140 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.683 | 3.3 | 144 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.978 | 0.1 | 150 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.000 | 0.0 | 151 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.233 | 1.9 | 147 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.861 | 2.8 | 140 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.117 | 2.2 | 145 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.086 | 4.8 | 138 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.481 | -3.7 | 156 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.558 | 3.6 | 138 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.846 | 5.4 | 136 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 144 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.054 | -0.1 | 137 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.952 | 0.1 | 137 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.059 | -0.1 | 137 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.390 | 1.5 | 132 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.722 | -9.3 | 147 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.287 | -0.7 | 139 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.814 | -4.5 | 142 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.462 | -8.7 | 147 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 43.945 | -9.9 | 151 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.710 | -1.8 | 139 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 39.039 | 2.4 | 131 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 38.713 | 3.2 | 129 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 46.676 | -16.7 | 163 | 0.00 |
| 35 | | Caprolactam | 40.000 | 34.622 | 13.4 | 113 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.997 | 0.0 | 131 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.279 | -3.2 | 139 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 40.294 | -0.7 | 136 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 132 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 45.273 | -13.2 | 147 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 48.083 | -20.2 | 162 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 84.866 | -6.1 | 129 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 44.832 | -12.1 | 142 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 45.089 | -12.7 | 139 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 84.005 | -5.0 | 137 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 42.486 | -6.2 | 136 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.720 | -4.3 | 135 | 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 | 39.533 | 1.2 | 123 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.679 | -1.7 | 129 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.522 | 1.2 | 125 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.350 | -3.4 | 128 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.447 | -3.6 | 131 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 38.245 | 4.4 | 118 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.130 | -2.8 | 137 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.992 | 0.0 | 127 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.971 | 2.6 | 115 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.790 | 0.5 | 123 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.252 | 1.9 | 125 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.540 | -8.8 | 134 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.380 | 4.0 | 121 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 42.281 | -5.7 | 134 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 36.750 | 8.1 | 115 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.439 | 3.9 | 121 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 119 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 46.732 | -16.8 | 126 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 43.831 | -9.6 | 124 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 46.701 | -16.8 | 130 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 44.952 | -12.4 | 128 | 0.00 |
| 69 | | Atrazine | 40.000 | 42.097 | -5.2 | 118 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 42.722 | -6.8 | 124 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.946 | -2.4 | 116 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.413 | -3.5 | 116 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.407 | 1.5 | 112 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.183 | -0.5 | 115 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.349 | 1.6 | 114 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 113 | 0.00 |
| 77 | | Benzidine | 40.000 | 37.610 | 6.0 | 94 | 0.00 |
| 78 | | Pyrene | 40.000 | 41.910 | -4.8 | 112 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 82.238 | -2.8 | 112 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 39.655 | 0.9 | 111 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.426 | 1.4 | 110 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.582 | -1.5 | 111 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.567 | 1.1 | 110 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.836 | 0.4 | 111 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.951 | -2.4 | 113 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 114 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.517 | -3.8 | 114 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 40.734 | -1.8 | 113 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 41.203 | -3.0 | 113 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 40.927 | -2.3 | 112 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 41.884 | -4.7 | 116 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 41.181 | -3.0 | 114 | 0.02 |

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

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