# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082422\
Data File : BG054717.D
Acq On : 24 Aug 2022 12:18
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 24 15:13:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 23 03:09:46 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 | 100 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.141 | 4.6 | 101 | 0.00 |
| 3 | | Pyridine | 40.000 | 39.197 | 2.0 | 97 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.339 | -0.8 | 103 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.672 | -5.8 | 105 | 0.00 |
| 6 | | Aniline | 40.000 | 40.133 | -0.3 | 100 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 83.986 | -5.0 | 104 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 44.106 | -10.3 | 108 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.575 | 6.1 | 97 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.485 | -3.7 | 104 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.027 | 2.4 | 99 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.069 | 2.3 | 100 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.255 | 1.9 | 100 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.355 | 1.6 | 101 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 43.949 | -9.9 | 108 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.927 | -2.3 | 103 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 42.996 | -7.5 | 105 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 42.884 | -7.2 | 109 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.092 | -2.7 | 103 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 44.546 | -11.4 | 109 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 99 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.948 | 2.6 | 100 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.637 | -5.8 | 106 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.405 | -3.5 | 103 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.209 | -3.0 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 54.913 | -37.3# | 164 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 43.835 | -9.6 | 108 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.022 | 2.4 | 98 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 45.747 | -14.4 | 111 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.103 | 2.2 | 100 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.592 | 3.5 | 99 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 44.376 | -10.9 | 121 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.069 | -0.2 | 100 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.327 | 1.7 | 101 | 0.00 |
| 35 | | Caprolactam | 40.000 | 49.782 | -24.5 | 127 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 46.264 | -15.7 | 111 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.024 | 2.4 | 99 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.241 | 1.9 | 101 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.340 | 4.1 | 100 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 46.479 | -16.2 | 117 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 119.505 | -49.4# | 148 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 50.074 | -25.2# | 123 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 47.792 | -19.5 | 117 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 77.115 | 3.6 | 101 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.302 | 4.2 | 99 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.441 | 3.9 | 101 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 49.220 | -23.0 | 132 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.167 | 2.1 | 102 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 43.503 | -8.8 | 109 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 49.844 | -24.6 | 120 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.414 | -1.0 | 104 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 48.813 | -22.0 | 117 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 56.639 | -41.6# | 148 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.275 | 1.8 | 102 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 50.193 | -25.5# | 128 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 45.806 | -14.5 | 125 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.636 | 0.9 | 102 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 50.957 | -27.4# | 119 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 45.050 | -12.6 | 112 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.565 | 1.1 | 101 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 45.099 | -12.7 | 110 | 0.00 |
| 63 | | Azobenzene | 40.000 | 39.106 | 2.2 | 101 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 60.074 | -50.2# | 165 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.516 | 1.2 | 104 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 44.999 | -12.5 | 121 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.111 | 2.2 | 105 | 0.00 |
| 69 | | Atrazine | 40.000 | 46.956 | -17.4 | 120 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.833 | -4.6 | 117 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.655 | 3.4 | 104 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.308 | 1.7 | 105 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.223 | -0.6 | 105 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 47.844 | -19.6 | 121 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.686 | 0.8 | 105 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 77 | | Benzidine | 40.000 | 49.625 | -24.1 | 124 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.477 | 1.3 | 106 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 78.895 | 1.4 | 107 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 48.873 | -22.2 | 147 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.839 | 2.9 | 104 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 46.104 | -15.3 | 118 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.390 | 4.0 | 104 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 46.866 | -17.2 | 135 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 53.303 | -33.3# | 141 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 107 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.192 | 2.0 | 104 | 0.01 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 38.719 | 3.2 | 104 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 38.741 | 3.1 | 105 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.991 | 2.5 | 104 | 0.01 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 39.385 | 1.5 | 105 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 39.143 | 2.1 | 104 | 0.02 |

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

(#) = Out of Range SPCC's out = 0 CCC's out = 3