# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057701.D
Acq On : 14 Jun 2023 10:06
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 15 01:19:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 14 03:52:08 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 | | 1,4-Dioxane | 0.625 | 0.574 | 8.2 | 97 | 0.00 |
| 3 | | Pyridine | 1.770 | 1.803 | -1.9 | 99 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.863 | 0.823 | 4.6 | 93 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.228 | 1.223 | 0.4 | 98 | 0.00 |
| 6 | | Aniline | 2.476 | 2.497 | -0.8 | 102 | 0.00 |
| 7 | S | Phenol-d6 | 1.887 | 1.933 | -2.4 | 102 | 0.00 |
| 8 | | 2-Chlorophenol | 1.178 | 1.250 | -6.1 | 107 | 0.00 |
| 9 | | Benzaldehyde | 1.163 | 1.094 | 5.9 | 97 | 0.00 |
| 10 | C | Phenol | 1.844 | 1.894 | -2.7 | 102 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.445 | 1.431 | 1.0 | 99 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.362 | 1.304 | 4.3 | 102 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.351 | 1.326 | 1.9 | 101 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.312 | 1.311 | 0.1 | 102 | 0.00 |
| 15 | | Benzyl Alcohol | 1.445 | 1.460 | -1.0 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 3.147 | 3.033 | 3.6 | 98 | 0.00 |
| 17 | | 2-Methylphenol | 1.357 | 1.394 | -2.7 | 103 | 0.00 |
| 18 | | Hexachloroethane | 0.417 | 0.441 | -5.8 | 109 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.364 | 1.376 | -0.9 | 100 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.855 | 1.907 | -2.8 | 101 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 22 | | Acetophenone | 0.581 | 0.550 | 5.3 | 100 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.292 | 0.306 | -4.8 | 110 | 0.00 |
| 24 | | Nitrobenzene | 0.300 | 0.342 | -14.0 | 109 | 0.00 |
| 25 | | Isophorone | 0.927 | 0.887 | 4.3 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.066 | 0.080 | -21.2# | 117 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.310 | 0.309 | 0.3 | 103 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.482 | 0.472 | 2.1 | 103 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.263 | 0.287 | -9.1 | 107 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.341 | 0.327 | 4.1 | 100 | 0.00 |
| 31 | | Naphthalene | 1.075 | 1.032 | 4.0 | 102 | 0.00 |
| 32 | | Benzoic acid | 0.121 | 0.147 | -21.5 | 130 | 0.00 |
| 33 | | 4-Chloroaniline | 0.500 | 0.481 | 3.8 | 101 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.215 | 0.199 | 7.4 | 99 | 0.00 |
| 35 | | Caprolactam | 0.108 | 0.118 | -9.3 | 107 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.372 | 0.387 | -4.0 | 104 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.795 | 0.762 | 4.2 | 102 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.746 | 0.713 | 4.4 | 101 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.566 | 0.546 | 3.5 | 99 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.216 | 0.237 | -9.7 | 108 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.223 | 0.225 | -0.9 | 101 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.323 | 0.366 | -13.3 | 106 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.380 | 0.449 | -18.2 | 111 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.342 | 1.304 | 2.8 | 101 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.382 | 1.367 | 1.1 | 102 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.044 | 1.030 | 1.3 | 102 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.232 | 0.286 | -23.3 | 118 | 0.00 |
| 49 | | Acenaphthylene | 1.811 | 1.809 | 0.1 | 103 | 0.00 |
| 50 | | Dimethylphthalate | 1.466 | 1.510 | -3.0 | 104 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.177 | 0.229 | -29.4# | 122 | 0.00 |
| 52 | C | Acenaphthene | 1.086 | 1.081 | 0.5 | 102 | 0.00 |
| 53 | | 3-Nitroaniline | 0.212 | 0.269 | -26.9# | 118 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.065 | 0.070 | -7.7 | 123 | 0.00 |
| 55 | | Dibenzofuran | 1.822 | 1.791 | 1.7 | 103 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.181 | 0.210 | -16.0 | 120 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.229 | 0.294 | -28.4# | 121 | 0.00 |
| 58 | | Fluorene | 1.452 | 1.397 | 3.8 | 102 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.318 | 0.365 | -14.8 | 108 | 0.00 |
| 60 | | Diethylphthalate | 1.514 | 1.557 | -2.8 | 103 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.778 | 0.749 | 3.7 | 101 | 0.00 |
| 62 | | 4-Nitroaniline | 0.235 | 0.286 | -21.7 | 115 | 0.00 |
| 63 | | Azobenzene | 1.628 | 1.606 | 1.4 | 103 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.043 | 0.046 | -7.0 | 125 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.523 | 0.509 | 2.7 | 102 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.204 | 0.183 | 10.3 | 95 | 0.00 |
| 68 | | Hexachlorobenzene | 0.213 | 0.204 | 4.2 | 100 | 0.00 |
| 69 | | Atrazine | 0.174 | 0.176 | -1.1 | 102 | 0.00 |
| 70 | C | Pentachlorophenol | 0.128 | 0.137 | -7.0 | 110 | 0.00 |
| 71 | | Phenanthrene | 0.976 | 0.933 | 4.4 | 102 | 0.00 |
| 72 | | Anthracene | 0.989 | 0.957 | 3.2 | 102 | 0.00 |
| 73 | | Carbazole | 0.916 | 0.874 | 4.6 | 101 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.015 | 1.074 | -5.8 | 103 | 0.00 |
| 75 | C | Fluoranthene | 1.176 | 1.112 | 5.4 | 101 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 77 | | Benzidine | 0.477 | 0.549 | -15.1 | 104 | 0.00 |
| 78 | | Pyrene | 1.423 | 1.406 | 1.2 | 100 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.082 | 1.066 | 1.5 | 100 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.443 | 0.513 | -15.8 | 104 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.381 | 1.365 | 1.2 | 99 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.450 | 0.465 | -3.3 | 97 | 0.00 |
| 83 | | Chrysene | 1.314 | 1.309 | 0.4 | 99 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.701 | 0.779 | -11.1 | 102 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.209 | 1.341 | -10.9 | 106 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.294 | 1.255 | 3.0 | 97 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.085 | 1.062 | 2.1 | 99 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.125 | 1.081 | 3.9 | 96 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.067 | 1.047 | 1.9 | 97 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.069 | 1.049 | 1.9 | 98 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.067 | 1.046 | 2.0 | 98 | 0.00 |

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