# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042021\
Data File : BG048795.D
Acq On : 20 Apr 2021 15:22
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 20 17:34:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 20 17:33:30 2021
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 | 107 | 0.00 |
| 2 | | 1,4-Dioxane | 0.469 | 0.471 | -0.4 | 106 | 0.00 |
| 3 | | Pyridine | 1.221 | 1.234 | -1.1 | 102 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.932 | 0.935 | -0.3 | 103 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.196 | 1.247 | -4.3 | 113 | 0.00 |
| 6 | | Aniline | 1.898 | 2.041 | -7.5 | 110 | 0.00 |
| 7 | S | Phenol-d6 | 1.691 | 1.722 | -1.8 | 107 | 0.00 |
| 8 | | 2-Chlorophenol | 1.269 | 1.372 | -8.1 | 117 | 0.00 |
| 9 | | Benzaldehyde | 1.121 | 1.261 | -12.5 | 124 | 0.00 |
| 10 | C | Phenol | 1.663 | 1.728 | -3.9 | 112 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.121 | 1.200 | -7.0 | 117 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.459 | 1.519 | -4.1 | 115 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.486 | 1.524 | -2.6 | 110 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.371 | 1.449 | -5.7 | 112 | 0.00 |
| 15 | | Benzyl Alcohol | 1.490 | 1.523 | -2.2 | 105 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.215 | 1.283 | -5.6 | 109 | 0.00 |
| 17 | | 2-Methylphenol | 1.062 | 1.138 | -7.2 | 112 | 0.00 |
| 18 | | Hexachloroethane | 0.584 | 0.588 | -0.7 | 106 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.141 | 1.291 | -13.1 | 121 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.465 | 1.598 | -9.1 | 113 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 22 | | Acetophenone | 0.521 | 0.532 | -2.1 | 117 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.447 | 0.443 | 0.9 | 110 | 0.00 |
| 24 | | Nitrobenzene | 0.446 | 0.454 | -1.8 | 114 | 0.00 |
| 25 | | Isophorone | 0.790 | 0.787 | 0.4 | 111 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.193 | 0.200 | -3.6 | 114 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.296 | 0.303 | -2.4 | 115 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.344 | 0.351 | -2.0 | 114 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.334 | 0.327 | 2.1 | 109 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.388 | 0.377 | 2.8 | 113 | 0.00 |
| 31 | | Naphthalene | 1.026 | 1.028 | -0.2 | 111 | 0.00 |
| 32 | | Benzoic acid | 0.174 | 0.105 | 39.7# | 66 | 0.00 |
| 33 | | 4-Chloroaniline | 0.427 | 0.434 | -1.6 | 111 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.288 | 0.274 | 4.9 | 103 | 0.00 |
| 35 | | Caprolactam | 0.114 | 0.114 | 0.0 | 113 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.379 | 0.390 | -2.9 | 118 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.820 | 0.828 | -1.0 | 114 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.763 | 0.778 | -2.0 | 115 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.651 | 0.650 | 0.2 | 111 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.304 | 0.256 | 15.8 | 90 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.268 | 0.257 | 4.1 | 107 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.434 | 0.410 | 5.5 | 103 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.461 | 0.447 | 3.0 | 107 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.385 | 1.373 | 0.9 | 111 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.477 | 1.499 | -1.5 | 113 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.128 | 1.148 | -1.8 | 114 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.406 | 0.420 | -3.4 | 108 | 0.00 |
| 49 | | Acenaphthylene | 1.761 | 1.783 | -1.2 | 113 | 0.00 |
| 50 | | Dimethylphthalate | 1.500 | 1.494 | 0.4 | 111 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.346 | 0.365 | -5.5 | 115 | 0.00 |
| 52 | C | Acenaphthene | 1.118 | 1.144 | -2.3 | 112 | 0.00 |
| 53 | | 3-Nitroaniline | 0.332 | 0.346 | -4.2 | 119 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.180 | 0.153 | 15.0 | 87 | 0.00 |
| 55 | | Dibenzofuran | 1.851 | 1.868 | -0.9 | 111 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.246 | 0.253 | -2.8 | 110 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.503 | 0.508 | -1.0 | 111 | 0.00 |
| 58 | | Fluorene | 1.520 | 1.564 | -2.9 | 115 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.427 | 0.392 | 8.2 | 100 | 0.00 |
| 60 | | Diethylphthalate | 1.552 | 1.592 | -2.6 | 116 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.836 | 0.852 | -1.9 | 115 | 0.00 |
| 62 | | 4-Nitroaniline | 0.355 | 0.357 | -0.6 | 116 | 0.00 |
| 63 | | Azobenzene | 1.563 | 1.606 | -2.8 | 116 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.134 | 0.128 | 4.5 | 100 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.565 | 0.572 | -1.2 | 112 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.230 | 0.233 | -1.3 | 119 | 0.00 |
| 68 | | Hexachlorobenzene | 0.233 | 0.237 | -1.7 | 113 | 0.00 |
| 69 | | Atrazine | 0.235 | 0.235 | 0.0 | 113 | 0.00 |
| 70 | C | Pentachlorophenol | 0.124 | 0.101 | 18.5 | 92 | 0.00 |
| 71 | | Phenanthrene | 1.038 | 1.042 | -0.4 | 113 | 0.00 |
| 72 | | Anthracene | 1.027 | 1.045 | -1.8 | 114 | 0.00 |
| 73 | | Carbazole | 0.984 | 0.993 | -0.9 | 115 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.103 | 1.121 | -1.6 | 116 | 0.00 |
| 75 | C | Fluoranthene | 1.313 | 1.301 | 0.9 | 113 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 77 | | Benzidine | 0.543 | 0.563 | -3.7 | 99 | 0.00 |
| 78 | | Pyrene | 1.384 | 1.379 | 0.4 | 114 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.162 | 1.130 | 2.8 | 113 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.541 | 0.542 | -0.2 | 116 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.367 | 1.356 | 0.8 | 115 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.469 | 0.456 | 2.8 | 112 | 0.00 |
| 83 | | Chrysene | 1.302 | 1.266 | 2.8 | 112 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.757 | 0.755 | 0.3 | 114 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.290 | 1.292 | -0.2 | 115 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.469 | 1.404 | 4.4 | 110 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.357 | 1.305 | 3.8 | 109 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.276 | 1.268 | 0.6 | 114 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.250 | 1.242 | 0.6 | 114 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.260 | 1.209 | 4.0 | 112 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.244 | 1.183 | 4.9 | 110 | 0.00 |

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