# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081221\
Data File : BG049811.D
Acq On : 12 Aug 2021 10:05
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 12 11:19:05 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 03 15:15:33 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 | 127 | 0.00 |
| 2 | | 1,4-Dioxane | 0.488 | 0.439 | 10.0 | 111 | -0.01 |
| 3 | | Pyridine | 1.336 | 1.192 | 10.8 | 106 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.719 | 0.693 | 3.6 | 116 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.116 | 1.112 | 0.4 | 118 | 0.00 |
| 6 | | Aniline | 1.790 | 1.806 | -0.9 | 120 | 0.00 |
| 7 | S | Phenol-d6 | 1.689 | 1.721 | -1.9 | 120 | 0.00 |
| 8 | | 2-Chlorophenol | 1.216 | 1.252 | -3.0 | 126 | 0.00 |
| 9 | | Benzaldehyde | 1.127 | 0.973 | 13.7 | 105 | 0.00 |
| 10 | C | Phenol | 1.636 | 1.658 | -1.3 | 119 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.105 | 1.082 | 2.1 | 118 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.393 | 1.333 | 4.3 | 118 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.410 | 1.358 | 3.7 | 117 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.336 | 1.337 | -0.1 | 119 | 0.00 |
| 15 | | Benzyl Alcohol | 1.418 | 1.447 | -2.0 | 119 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.255 | 1.190 | 5.2 | 113 | -0.01 |
| 17 | | 2-Methylphenol | 1.078 | 1.134 | -5.2 | 123 | 0.00 |
| 18 | | Hexachloroethane | 0.542 | 0.549 | -1.3 | 119 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.130 | 1.137 | -0.6 | 119 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.513 | 1.587 | -4.9 | 124 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 125 | 0.00 |
| 22 | | Acetophenone | 0.543 | 0.536 | 1.3 | 122 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.452 | 0.433 | 4.2 | 117 | 0.00 |
| 24 | | Nitrobenzene | 0.477 | 0.455 | 4.6 | 117 | 0.00 |
| 25 | | Isophorone | 0.807 | 0.800 | 0.9 | 121 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.182 | 0.194 | -6.6 | 128 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.269 | 0.272 | -1.1 | 123 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.353 | 0.357 | -1.1 | 124 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.330 | 0.333 | -0.9 | 124 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.363 | 0.362 | 0.3 | 124 | 0.00 |
| 31 | | Naphthalene | 1.047 | 1.033 | 1.3 | 123 | 0.00 |
| 32 | | Benzoic acid | 0.174 | 0.187 | -7.5 | 124 | 0.00 |
| 33 | | 4-Chloroaniline | 0.414 | 0.424 | -2.4 | 124 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.264 | 0.264 | 0.0 | 125 | -0.01 |
| 35 | | Caprolactam | 0.102 | 0.106 | -3.9 | 130 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.381 | 0.396 | -3.9 | 126 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.789 | 0.780 | 1.1 | 120 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.742 | 0.725 | 2.3 | 121 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 125 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.589 | 0.618 | -4.9 | 126 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.243 | 0.251 | -3.3 | 102 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.294 | 0.314 | -6.8 | 131 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.397 | 0.426 | -7.3 | 126 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.431 | 0.451 | -4.6 | 123 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.374 | 1.383 | -0.7 | 122 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.424 | 1.444 | -1.4 | 123 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.138 | 1.174 | -3.2 | 124 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.418 | 0.425 | -1.7 | 121 | 0.00 |
| 49 | | Acenaphthylene | 1.803 | 1.826 | -1.3 | 123 | 0.00 |
| 50 | | Dimethylphthalate | 1.509 | 1.524 | -1.0 | 124 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.332 | 0.340 | -2.4 | 120 | 0.00 |
| 52 | C | Acenaphthene | 1.086 | 1.091 | -0.5 | 121 | 0.00 |
| 53 | | 3-Nitroaniline | 0.324 | 0.335 | -3.4 | 125 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.189 | 0.210 | -11.1 | 134 | 0.00 |
| 55 | | Dibenzofuran | 1.762 | 1.758 | 0.2 | 120 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.237 | 0.252 | -6.3 | 122 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.467 | 0.501 | -7.3 | 132 | 0.00 |
| 58 | | Fluorene | 1.432 | 1.468 | -2.5 | 125 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.400 | 0.420 | -5.0 | 129 | 0.00 |
| 60 | | Diethylphthalate | 1.518 | 1.553 | -2.3 | 126 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.764 | 0.779 | -2.0 | 125 | 0.00 |
| 62 | | 4-Nitroaniline | 0.333 | 0.336 | -0.9 | 119 | 0.00 |
| 63 | | Azobenzene | 1.606 | 1.556 | 3.1 | 119 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 133 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.129 | 0.135 | -4.7 | 130 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.565 | 0.572 | -1.2 | 127 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.236 | 0.236 | 0.0 | 127 | 0.00 |
| 68 | | Hexachlorobenzene | 0.262 | 0.261 | 0.4 | 127 | 0.00 |
| 69 | | Atrazine | 0.226 | 0.226 | 0.0 | 127 | 0.00 |
| 70 | C | Pentachlorophenol | 0.140 | 0.125 | 10.7 | 112 | 0.00 |
| 71 | | Phenanthrene | 1.052 | 1.029 | 2.2 | 125 | 0.00 |
| 72 | | Anthracene | 1.033 | 1.014 | 1.8 | 126 | 0.00 |
| 73 | | Carbazole | 0.979 | 0.978 | 0.1 | 126 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.141 | 1.122 | 1.7 | 126 | 0.00 |
| 75 | C | Fluoranthene | 1.295 | 1.248 | 3.6 | 123 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 77 | | Benzidine | 0.512 | 0.559 | -9.2 | 111 | 0.00 |
| 78 | | Pyrene | 1.363 | 1.439 | -5.6 | 122 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.101 | 1.150 | -4.5 | 121 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.519 | 0.536 | -3.3 | 118 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.302 | 1.298 | 0.3 | 115 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.380 | 0.382 | -0.5 | 113 | 0.00 |
| 83 | | Chrysene | 1.245 | 1.233 | 1.0 | 117 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.735 | 0.740 | -0.7 | 116 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.242 | 1.232 | 0.8 | 114 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.442 | 1.408 | 2.4 | 112 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.312 | 1.273 | 3.0 | 113 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.224 | 1.204 | 1.6 | 112 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.187 | 1.171 | 1.3 | 114 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.215 | 1.207 | 0.7 | 112 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.191 | 1.190 | 0.1 | 115 | 0.02 |

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