# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070620\
Data File : BG045951.D
Acq On : 6 Jul 2020 22:23
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG070620

Quant Time: Jul 07 10:06:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 07 09:58:42 2020
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 | 106 | 0.00 |
| 2 | | 1,4-Dioxane | 0.569 | 0.568 | 0.2 | 107 | 0.00 |
| 3 | | Pyridine | 1.720 | 1.741 | -1.2 | 108 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.582 | 0.609 | -4.6 | 108 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.233 | 1.220 | 1.1 | 109 | 0.00 |
| 6 | | Aniline | 2.271 | 2.271 | 0.0 | 108 | 0.00 |
| 7 | S | Phenol-d6 | 1.776 | 1.773 | 0.2 | 108 | 0.00 |
| 8 | | 2-Chlorophenol | 1.328 | 1.315 | 1.0 | 108 | 0.00 |
| 9 | | Benzaldehyde | 1.125 | 1.059 | 5.9 | 115 | 0.00 |
| 10 | C | Phenol | 1.781 | 1.787 | -0.3 | 109 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.473 | 1.486 | -0.9 | 110 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.530 | 1.509 | 1.4 | 108 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.505 | 1.489 | 1.1 | 107 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.449 | 1.420 | 2.0 | 106 | 0.00 |
| 15 | | Benzyl Alcohol | 1.392 | 1.398 | -0.4 | 108 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.922 | 1.971 | -2.5 | 110 | 0.00 |
| 17 | | 2-Methylphenol | 1.336 | 1.323 | 1.0 | 106 | 0.00 |
| 18 | | Hexachloroethane | 0.579 | 0.583 | -0.7 | 109 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.247 | 1.239 | 0.6 | 108 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.821 | 1.817 | 0.2 | 106 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 22 | | Acetophenone | 0.534 | 0.533 | 0.2 | 106 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.347 | 0.390 | -12.4 | 118 | 0.00 |
| 24 | | Nitrobenzene | 0.384 | 0.428 | -11.5 | 115 | 0.00 |
| 25 | | Isophorone | 0.848 | 0.854 | -0.7 | 105 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.125 | 0.152 | -21.6# | 132 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.302 | 0.303 | -0.3 | 105 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.476 | 0.481 | -1.1 | 106 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.313 | 0.324 | -3.5 | 108 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.346 | 0.349 | -0.9 | 107 | 0.00 |
| 31 | | Naphthalene | 1.072 | 1.066 | 0.6 | 106 | 0.00 |
| 32 | | Benzoic acid | 0.163 | 0.196 | -20.2 | 121 | 0.01 |
| 33 | | 4-Chloroaniline | 0.479 | 0.472 | 1.5 | 104 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.202 | 0.206 | -2.0 | 109 | 0.00 |
| 35 | | Caprolactam | 0.119 | 0.120 | -0.8 | 104 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.356 | 0.361 | -1.4 | 105 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.762 | 0.764 | -0.3 | 105 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.719 | 0.714 | 0.7 | 104 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.564 | 0.585 | -3.7 | 107 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.335 | 0.350 | -4.5 | 107 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.186 | 0.203 | -9.1 | 107 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.381 | 0.413 | -8.4 | 110 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.431 | 0.464 | -7.7 | 108 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.282 | 1.281 | 0.1 | 104 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.505 | 1.519 | -0.9 | 104 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.187 | 1.196 | -0.8 | 104 | 0.00 |
| 48 | | 2-Nitroaniline | 0.278 | 0.379 | -36.3# | 121 | 0.00 |
| 49 | | Acenaphthylene | 1.915 | 1.916 | -0.1 | 103 | 0.00 |
| 50 | | Dimethylphthalate | 1.501 | 1.500 | 0.1 | 103 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.233 | 0.296 | -27.0# | 118 | 0.00 |
| 52 | C | Acenaphthene | 1.208 | 1.225 | -1.4 | 103 | 0.00 |
| 53 | | 3-Nitroaniline | 0.289 | 0.355 | -22.8 | 112 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.082 | 0.108 | -31.7# | 124 | 0.00 |
| 55 | | Dibenzofuran | 1.771 | 1.765 | 0.3 | 103 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.245 | 0.279 | -13.9 | 114 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.288 | 0.385 | -33.7# | 119 | 0.00 |
| 58 | | Fluorene | 1.453 | 1.439 | 1.0 | 101 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.333 | 0.362 | -8.7 | 108 | 0.00 |
| 60 | | Diethylphthalate | 1.574 | 1.545 | 1.8 | 101 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.723 | 0.717 | 0.8 | 102 | 0.00 |
| 62 | | 4-Nitroaniline | 0.310 | 0.368 | -18.7 | 115 | 0.00 |
| 63 | | Azobenzene | 1.689 | 1.683 | 0.4 | 102 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.059 | 0.076 | -28.8# | 129 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.620 | 0.615 | 0.8 | 101 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.223 | 0.226 | -1.3 | 101 | 0.00 |
| 68 | | Hexachlorobenzene | 0.224 | 0.227 | -1.3 | 105 | 0.00 |
| 69 | | Atrazine | 0.183 | 0.187 | -2.2 | 102 | 0.00 |
| 70 | C | Pentachlorophenol | 0.125 | 0.144 | -15.2 | 111 | 0.00 |
| 71 | | Phenanthrene | 1.057 | 1.047 | 0.9 | 101 | 0.00 |
| 72 | | Anthracene | 1.073 | 1.065 | 0.7 | 102 | 0.00 |
| 73 | | Carbazole | 1.076 | 1.062 | 1.3 | 101 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.300 | 1.269 | 2.4 | 102 | 0.00 |
| 75 | C | Fluoranthene | 1.222 | 1.210 | 1.0 | 103 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 77 | | Benzidine | 0.572 | 0.543 | 5.1 | 97 | 0.00 |
| 78 | | Pyrene | 1.365 | 1.378 | -1.0 | 104 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.899 | 0.883 | 1.8 | 104 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.645 | 0.669 | -3.7 | 105 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.315 | 1.293 | 1.7 | 104 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.486 | 0.488 | -0.4 | 105 | 0.00 |
| 83 | | Chrysene | 1.253 | 1.237 | 1.3 | 103 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.936 | 0.930 | 0.6 | 104 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.625 | 1.618 | 0.4 | 103 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.463 | 1.517 | -3.7 | 106 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.270 | 1.302 | -2.5 | 106 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.200 | 1.226 | -2.2 | 104 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.194 | 1.226 | -2.7 | 106 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.180 | 1.203 | -1.9 | 106 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 1.188 | 1.211 | -1.9 | 105 | -0.01 |

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