# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG090920\
Data File : BG046568.D
Acq On : 9 Sep 2020 11:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 09 12:50:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 15:06:53 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 | 142 | 0.00 |
| 2 | | 1,4-Dioxane | 0.470 | 0.401 | 14.7 | 132 | 0.00 |
| 3 | | Pyridine | 1.375 | 1.232 | 10.4 | 133 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.507 | 0.496 | 2.2 | 141 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.129 | 1.011 | 10.5 | 136 | 0.00 |
| 6 | | Aniline | 1.801 | 1.649 | 8.4 | 137 | 0.00 |
| 7 | S | Phenol-d6 | 1.601 | 1.450 | 9.4 | 135 | 0.00 |
| 8 | | 2-Chlorophenol | 1.193 | 1.077 | 9.7 | 138 | 0.00 |
| 9 | | Benzaldehyde | 0.897 | 0.833 | 7.1 | 141 | 0.00 |
| 10 | C | Phenol | 1.474 | 1.343 | 8.9 | 136 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.185 | 1.092 | 7.8 | 140 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.515 | 1.389 | 8.3 | 140 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.517 | 1.385 | 8.7 | 140 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.455 | 1.315 | 9.6 | 140 | 0.00 |
| 15 | | Benzyl Alcohol | 1.028 | 0.995 | 3.2 | 141 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.838 | 1.772 | 3.6 | 145 | 0.00 |
| 17 | | 2-Methylphenol | 1.046 | 0.966 | 7.6 | 138 | 0.00 |
| 18 | | Hexachloroethane | 0.514 | 0.480 | 6.6 | 143 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.958 | 0.890 | 7.1 | 138 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.443 | 1.355 | 6.1 | 138 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 136 | 0.00 |
| 22 | | Acetophenone | 0.487 | 0.443 | 9.0 | 136 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.350 | 0.322 | 8.0 | 137 | 0.00 |
| 24 | | Nitrobenzene | 0.346 | 0.320 | 7.5 | 139 | 0.00 |
| 25 | | Isophorone | 0.642 | 0.600 | 6.5 | 137 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.182 | 0.176 | 3.3 | 139 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.251 | 0.233 | 7.2 | 136 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.413 | 0.382 | 7.5 | 135 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.334 | 0.316 | 5.4 | 138 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.397 | 0.363 | 8.6 | 139 | 0.00 |
| 31 | | Naphthalene | 0.977 | 0.882 | 9.7 | 135 | 0.00 |
| 32 | | Benzoic acid | 0.156 | 0.139 | 10.9 | 117 | 0.02 |
| 33 | | 4-Chloroaniline | 0.431 | 0.390 | 9.5 | 132 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.258 | 0.246 | 4.7 | 143 | 0.00 |
| 35 | | Caprolactam | 0.125 | 0.103 | 17.6 | 119 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.327 | 0.301 | 8.0 | 133 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.770 | 0.701 | 9.0 | 134 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.730 | 0.661 | 9.5 | 134 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 129 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.660 | 0.617 | 6.5 | 134 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.287 | 0.414 | -44.3# | 190# | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.271 | 0.234 | 13.7 | 120 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.445 | 0.410 | 7.9 | 127 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.468 | 0.421 | 10.0 | 125 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.310 | 1.169 | 10.8 | 130 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.391 | 1.283 | 7.8 | 131 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.180 | 1.068 | 9.5 | 130 | 0.00 |
| 48 | | 2-Nitroaniline | 0.328 | 0.305 | 7.0 | 129 | 0.00 |
| 49 | | Acenaphthylene | 1.790 | 1.597 | 10.8 | 127 | 0.00 |
| 50 | | Dimethylphthalate | 1.547 | 1.331 | 14.0 | 122 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.341 | 0.302 | 11.4 | 125 | 0.00 |
| 52 | C | Acenaphthene | 1.109 | 0.999 | 9.9 | 128 | 0.00 |
| 53 | | 3-Nitroaniline | 0.369 | 0.321 | 13.0 | 120 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.199 | 0.175 | 12.1 | 112 | 0.00 |
| 55 | | Dibenzofuran | 1.780 | 1.572 | 11.7 | 127 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.272 | 0.227 | 16.5 | 112 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.486 | 0.422 | 13.2 | 119 | 0.00 |
| 58 | | Fluorene | 1.494 | 1.274 | 14.7 | 122 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.454 | 0.408 | 10.1 | 125 | 0.00 |
| 60 | | Diethylphthalate | 1.509 | 1.289 | 14.6 | 122 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.823 | 0.718 | 12.8 | 124 | 0.00 |
| 62 | | 4-Nitroaniline | 0.390 | 0.325 | 16.7 | 116 | 0.00 |
| 63 | | Azobenzene | 1.227 | 1.078 | 12.1 | 126 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.113 | 0.112 | 0.9 | 117 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.540 | 0.515 | 4.6 | 122 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.233 | 0.231 | 0.9 | 124 | 0.00 |
| 68 | | Hexachlorobenzene | 0.258 | 0.242 | 6.2 | 119 | 0.00 |
| 69 | | Atrazine | 0.220 | 0.199 | 9.5 | 113 | 0.00 |
| 70 | C | Pentachlorophenol | 0.135 | 0.129 | 4.4 | 111 | 0.00 |
| 71 | | Phenanthrene | 1.014 | 0.912 | 10.1 | 116 | 0.00 |
| 72 | | Anthracene | 1.000 | 0.899 | 10.1 | 116 | 0.00 |
| 73 | | Carbazole | 0.944 | 0.821 | 13.0 | 111 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.086 | 0.958 | 11.8 | 113 | 0.00 |
| 75 | C | Fluoranthene | 1.305 | 1.085 | 16.9 | 109 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 77 | | Benzidine | 0.465 | 0.381 | 18.1 | 85 | 0.00 |
| 78 | | Pyrene | 1.274 | 1.150 | 9.7 | 108 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.940 | 0.803 | 14.6 | 106 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.497 | 0.472 | 5.0 | 111 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.247 | 1.126 | 9.7 | 110 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.463 | 0.426 | 8.0 | 109 | 0.00 |
| 83 | | Chrysene | 1.199 | 1.078 | 10.1 | 110 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.678 | 0.633 | 6.6 | 111 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.161 | 1.101 | 5.2 | 113 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.436 | 1.258 | 12.4 | 112 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.249 | 1.075 | 13.9 | 111 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.207 | 1.054 | 12.7 | 112 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.165 | 1.022 | 12.3 | 112 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.159 | 1.005 | 13.3 | 111 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 1.158 | 1.007 | 13.0 | 111 | -0.01 |

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