# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG050617\
Data File : BG026889.D
Acq On : 6 May 2017 19:25
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02077

Quant Time: May 08 03:11:52 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 08 01:28:58 2017
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 133 | 0.00 |
| 2 | | 1,4-Dioxane | 0.507 | 0.437 | 13.8 | 122 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.444 | 0.409 | 7.9 | 124 | 0.00 |
| 4 | | Benzaldehyde | 0.863 | 0.792 | 8.2 | 149 | 0.00 |
| 5 | S | Phenol-d5 | 1.785 | 1.934 | -8.3 | 145 | 0.00 |
| 6 | | Phenol | 1.809 | 1.966 | -8.7 | 144 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.050 | 1.088 | -3.6 | 138 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.397 | 1.391 | 0.4 | 129 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.515 | 1.577 | -4.1 | 141 | 0.00 |
| 10 | | 2-Chlorophenol | 1.491 | 1.509 | -1.2 | 134 | 0.00 |
| 11 | | 2-Methylphenol | 1.432 | 1.525 | -6.5 | 143 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.458 | 1.605 | -10.1 | 145 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.481 | 1.571 | -6.1 | 143 | 0.00 |
| 14 | | Acetophenone | 2.176 | 2.232 | -2.6 | 133 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.073 | 1.021 | 4.8 | 129 | 0.00 |
| 16 | | 4-Methylphenol | 1.566 | 1.676 | -7.0 | 143 | 0.00 |
| 17 | | Hexachloroethane | 0.561 | 0.556 | 0.9 | 139 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 135 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.167 | 0.166 | 0.6 | 136 | 0.00 |
| 20 | | Nitrobenzene | 0.323 | 0.331 | -2.5 | 137 | 0.00 |
| 21 | | Isophorone | 0.619 | 0.615 | 0.6 | 132 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.182 | 0.187 | -2.7 | 137 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.191 | 0.198 | -3.7 | 141 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.349 | 0.366 | -4.9 | 143 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.423 | 0.418 | 1.2 | 132 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.289 | 0.301 | -4.2 | 139 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.288 | 0.301 | -4.5 | 140 | 0.00 |
| 28 | | Naphthalene | 1.041 | 1.026 | 1.4 | 132 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.387 | 0.431 | -11.4 | 136 | 0.00 |
| 30 | | 4-Chloroaniline | 0.365 | 0.410 | -12.3 | 140 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.146 | 0.141 | 3.4 | 131 | 0.00 |
| 32 | | Caprolactam | 0.108 | 0.110 | -1.9 | 141 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.312 | 0.345 | -10.6 | 145 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.773 | 0.765 | 1.0 | 133 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 131 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.527 | 0.537 | -1.9 | 136 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.232 | 0.176 | 24.1# | 110 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.363 | 0.384 | -5.8 | 138 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.375 | 0.386 | -2.9 | 133 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.681 | 1.670 | 0.7 | 131 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.264 | 1.273 | -0.7 | 133 | 0.00 |
| 42 | | 2-Nitroaniline | 0.361 | 0.403 | -11.6 | 146 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.610 | 1.560 | 3.1 | 126 | 0.00 |
| 44 | | Dimethylphthalate | 1.576 | 1.510 | 4.2 | 126 | 0.00 |

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Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.333 | 0.336 | -0.9 | 132 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.022 | 2.037 | -0.7 | 131 | 0.00 |
| 47 | | Acenaphthylene | 2.060 | 2.055 | 0.2 | 131 | 0.00 |
| 48 | | 3-Nitroaniline | 0.350 | 0.361 | -3.1 | 138 | 0.00 |
| 49 | C | Acenaphthene | 1.433 | 1.406 | 1.9 | 130 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.170 | 0.148 | 12.9 | 104 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.290 | 0.251 | 13.4 | 118 | 0.00 |
| 52 | | 4-Nitrophenol | 0.170 | 0.146 | 14.1 | 114 | 0.00 |
| 53 | | Dibenzofuran | 1.907 | 1.838 | 3.6 | 126 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.476 | 0.462 | 2.9 | 126 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.295 | 0.286 | 3.1 | 125 | 0.00 |
| 56 | | Diethylphthalate | 1.649 | 1.583 | 4.0 | 126 | 0.00 |
| 57 | S | Fluorene-d10 | 1.405 | 1.383 | 1.6 | 130 | 0.00 |
| 58 | | Fluorene | 1.557 | 1.472 | 5.5 | 124 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.679 | 0.642 | 5.4 | 126 | 0.00 |
| 60 | | 4-Nitroaniline | 0.386 | 0.337 | 12.7 | 124 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 120 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.121 | 0.108 | 10.7 | 112 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.115 | 8.7 | 114 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.657 | 0.683 | -4.0 | 124 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.200 | 0.209 | -4.5 | 124 | 0.00 |
| 66 | | Hexachlorobenzene | 0.215 | 0.216 | -0.5 | 123 | 0.00 |
| 67 | | Atrazine | 0.205 | 0.217 | -5.9 | 124 | 0.00 |
| 68 | C | Pentachlorophenol | 0.098 | 0.095 | 3.1 | 136 | 0.00 |
| 69 | | Phenanthrene | 1.127 | 1.119 | 0.7 | 118 | 0.00 |
| 70 | S | Anthracene-d10 | 0.971 | 0.976 | -0.5 | 121 | 0.00 |
| 71 | | Anthracene | 1.156 | 1.156 | 0.0 | 118 | 0.00 |
| 72 | | Carbazole | 0.977 | 1.063 | -8.8 | 119 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.272 | 1.367 | -7.5 | 124 | 0.00 |
| 74 | C | Fluoranthene | 1.046 | 1.147 | -9.7 | 118 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 76 | S | Pyrene-d10 | 1.056 | 1.033 | 2.2 | 118 | 0.00 |
| 77 | | Pyrene | 1.342 | 1.300 | 3.1 | 117 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.623 | 0.688 | -10.4 | 133 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.385 | 0.437 | -13.5 | 134 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.170 | 1.182 | -1.0 | 123 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.889 | 0.979 | -10.1 | 130 | 0.00 |
| 82 | | Chrysene | 1.087 | 1.080 | 0.6 | 121 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 129 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.374 | 1.540 | -12.1 | 134 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.143 | 1.112 | 2.7 | 130 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.123 | 1.099 | 2.1 | 126 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.946 | 0.953 | -0.7 | 132 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.125 | 1.117 | 0.7 | 129 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.333 | 1.302 | 2.3 | 129 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.130 | 1.052 | 6.9 | 122 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.106 | 1.039 | 6.1 | 124 | 0.00 |

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