# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG120216\
Data File : BG024957.D
Acq On : 2 Dec 2016 15:01
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02013

Quant Time: Dec 02 23:46:26 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 01 01:03:36 2016
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 | 132 | 0.00 |
| 2 | | 1,4-Dioxane | 0.504 | 0.448 | 11.1 | 120 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.387 | 0.355 | 8.3 | 122 | 0.00 |
| 4 | | Benzaldehyde | 1.299 | 1.270 | 2.2 | 123 | 0.00 |
| 5 | S | Phenol-d5 | 1.725 | 1.534 | 11.1 | 117 | 0.00 |
| 6 | | Phenol | 1.771 | 1.635 | 7.7 | 118 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.067 | 1.016 | 4.8 | 124 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.296 | 1.234 | 4.8 | 128 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.207 | 1.130 | 6.4 | 122 | 0.00 |
| 10 | | 2-Chlorophenol | 1.213 | 1.141 | 5.9 | 122 | 0.00 |
| 11 | | 2-Methylphenol | 1.304 | 1.232 | 5.5 | 125 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.204 | 2.127 | 3.5 | 124 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.442 | 1.339 | 7.1 | 124 | 0.00 |
| 14 | | Acetophenone | 2.194 | 2.012 | 8.3 | 122 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.267 | 1.153 | 9.0 | 117 | 0.00 |
| 16 | | 4-Methylphenol | 1.451 | 1.358 | 6.4 | 131 | 0.00 |
| 17 | | Hexachloroethane | 0.537 | 0.521 | 3.0 | 125 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.142 | 0.149 | -4.9 | 127 | 0.00 |
| 20 | | Nitrobenzene | 0.435 | 0.437 | -0.5 | 125 | 0.00 |
| 21 | | Isophorone | 0.824 | 0.808 | 1.9 | 117 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.177 | 0.172 | 2.8 | 121 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.179 | 0.178 | 0.6 | 121 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.410 | 0.427 | -4.1 | 123 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.420 | 0.426 | -1.4 | 120 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.340 | 0.343 | -0.9 | 122 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.330 | 0.345 | -4.5 | 125 | 0.00 |
| 28 | | Naphthalene | 0.930 | 0.926 | 0.4 | 121 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.334 | 0.375 | -12.3 | 135 | 0.00 |
| 30 | | 4-Chloroaniline | 0.341 | 0.363 | -6.5 | 126 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.283 | 0.281 | 0.7 | 119 | 0.00 |
| 32 | | Caprolactam | 0.137 | 0.135 | 1.5 | 122 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.406 | 0.398 | 2.0 | 118 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.734 | 0.733 | 0.1 | 117 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.603 | 0.629 | -4.3 | 125 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.354 | 0.346 | 2.3 | 125 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.379 | 0.373 | 1.6 | 117 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.415 | 0.433 | -4.3 | 120 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.213 | 1.257 | -3.6 | 119 | 0.00 |
| 41 | | 2-Chloronaphthalene | 0.965 | 0.971 | -0.6 | 121 | 0.00 |
| 42 | | 2-Nitroaniline | 0.378 | 0.397 | -5.0 | 118 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.376 | 1.375 | 0.1 | 113 | 0.00 |
| 44 | | Dimethylphthalate | 1.352 | 1.370 | -1.3 | 117 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.291 | 0.278 | 4.5 | 109 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.507 | 1.551 | -2.9 | 119 | 0.00 |
| 47 | | Acenaphthylene | 1.465 | 1.467 | -0.1 | 114 | 0.00 |
| 48 | | 3-Nitroaniline | 0.252 | 0.277 | -9.9 | 124 | 0.00 |
| 49 | C | Acenaphthene | 1.004 | 1.023 | -1.9 | 119 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.189 | 0.182 | 3.7 | 126 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.236 | 0.242 | -2.5 | 117 | 0.00 |
| 52 | | 4-Nitrophenol | 0.284 | 0.294 | -3.5 | 123 | 0.00 |
| 53 | | Dibenzofuran | 1.587 | 1.605 | -1.1 | 117 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.438 | 0.447 | -2.1 | 118 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.439 | 0.436 | 0.7 | 115 | 0.00 |
| 56 | | Diethylphthalate | 1.432 | 1.402 | 2.1 | 112 | 0.00 |
| 57 | S | Fluorene-d10 | 1.295 | 1.305 | -0.8 | 115 | 0.00 |
| 58 | | Fluorene | 1.292 | 1.289 | 0.2 | 114 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.728 | 0.731 | -0.4 | 116 | 0.00 |
| 60 | | 4-Nitroaniline | 0.303 | 0.313 | -3.3 | 121 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.124 | 0.120 | 3.2 | 118 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.128 | 0.130 | -1.6 | 122 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.515 | 0.519 | -0.8 | 115 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.226 | 0.231 | -2.2 | 119 | 0.00 |
| 66 | | Hexachlorobenzene | 0.254 | 0.262 | -3.1 | 117 | 0.00 |
| 67 | | Atrazine | 0.245 | 0.247 | -0.8 | 114 | 0.00 |
| 68 | C | Pentachlorophenol | 0.153 | 0.143 | 6.5 | 113 | 0.00 |
| 69 | | Phenanthrene | 0.955 | 0.989 | -3.6 | 114 | 0.00 |
| 70 | S | Anthracene-d10 | 0.844 | 0.862 | -2.1 | 115 | 0.00 |
| 71 | | Anthracene | 0.981 | 1.021 | -4.1 | 114 | 0.00 |
| 72 | | Carbazole | 0.819 | 0.896 | -9.4 | 117 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.034 | 1.067 | -3.2 | 114 | 0.00 |
| 74 | C | Fluoranthene | 1.134 | 1.315 | -16.0 | 119 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 76 | S | Pyrene-d10 | 0.824 | 0.844 | -2.4 | 118 | 0.00 |
| 77 | | Pyrene | 0.961 | 0.982 | -2.2 | 115 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.376 | 0.386 | -2.7 | 116 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.349 | 0.389 | -11.5 | 126 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.039 | 1.079 | -3.8 | 119 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.518 | 0.546 | -5.4 | 121 | 0.00 |
| 82 | | Chrysene | 0.972 | 1.014 | -4.3 | 120 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 84 | | Di-n-octyl phthalate | 0.812 | 0.871 | -7.3 | 118 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 0.992 | 1.037 | -4.5 | 121 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 0.943 | 0.971 | -3.0 | 119 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.810 | 0.844 | -4.2 | 121 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 0.954 | 0.979 | -2.6 | 119 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.185 | 1.214 | -2.4 | 120 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.998 | 1.028 | -3.0 | 122 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.989 | 1.010 | -2.1 | 120 | 0.00 |

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