# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG030816\
Data File : BG021358.D
Acq On : 8 Mar 2016 9:18
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02020

Quant Time: Mar 09 00:08:39 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 08 02:59:16 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 | 112 | 0.00 |
| 2 | | 1,4-Dioxane | 0.593 | 0.507 | 14.5 | 96 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.480 | 0.416 | 13.3 | 104 | 0.00 |
| 4 | | Benzaldehyde | 1.268 | 0.987 | 22.2# | 112 | 0.00 |
| 5 | S | Phenol-d5 | 2.098 | 2.105 | -0.3 | 115 | 0.00 |
| 6 | | Phenol | 2.255 | 2.312 | -2.5 | 117 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.386 | 1.384 | 0.1 | 112 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.667 | 1.607 | 3.6 | 108 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.463 | 1.496 | -2.3 | 114 | 0.00 |
| 10 | | 2-Chlorophenol | 1.565 | 1.638 | -4.7 | 120 | 0.00 |
| 11 | | 2-Methylphenol | 1.672 | 1.715 | -2.6 | 116 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.526 | 2.603 | -3.0 | 112 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.655 | 1.689 | -2.1 | 115 | 0.00 |
| 14 | | Acetophenone | 2.776 | 2.779 | -0.1 | 113 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.715 | 1.724 | -0.5 | 115 | 0.00 |
| 16 | | 4-Methylphenol | 1.852 | 1.872 | -1.1 | 115 | 0.00 |
| 17 | | Hexachloroethane | 0.681 | 0.703 | -3.2 | 115 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.160 | 0.154 | 3.8 | 113 | 0.00 |
| 20 | | Nitrobenzene | 0.513 | 0.507 | 1.2 | 114 | 0.00 |
| 21 | | Isophorone | 0.943 | 0.899 | 4.7 | 112 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.170 | 0.169 | 0.6 | 121 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.195 | 0.181 | 7.2 | 112 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.459 | 0.453 | 1.3 | 114 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.493 | 0.459 | 6.9 | 111 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.304 | 0.310 | -2.0 | 122 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.315 | 0.314 | 0.3 | 119 | 0.00 |
| 28 | | Naphthalene | 1.112 | 1.070 | 3.8 | 115 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.380 | 0.394 | -3.7 | 115 | 0.00 |
| 30 | | 4-Chloroaniline | 0.416 | 0.434 | -4.3 | 120 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.214 | 0.211 | 1.4 | 116 | 0.00 |
| 32 | | Caprolactam | 0.121 | 0.116 | 4.1 | 118 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.427 | 0.430 | -0.7 | 117 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.802 | 0.772 | 3.7 | 115 | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.753 | 0.730 | 3.1 | 116 | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.681 | 0.675 | 0.9 | 117 | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.449 | 0.347 | 22.7# | 105 | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.462 | 0.450 | 2.6 | 112 | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.496 | 0.498 | -0.4 | 117 | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.730 | 1.671 | 3.4 | 114 | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.322 | 1.321 | 0.1 | 116 | 0.00 |
| 43 | | 2-Nitroaniline | 0.571 | 0.572 | -0.2 | 111 | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.654 | 1.570 | 5.1 | 114 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.780 | 1.663 | 6.6 | 114 | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.366 | 0.351 | 4.1 | 114 | 0.00 |
| 47 | S | Acenaphthylene-d8 | 2.087 | 2.065 | 1.1 | 114 | 0.00 |
| 48 | | Acenaphthylene | 2.161 | 2.099 | 2.9 | 112 | 0.00 |
| 49 | | 3-Nitroaniline | 0.356 | 0.325 | 8.7 | 113 | 0.00 |
| 50 | C | Acenaphthene | 1.480 | 1.486 | -0.4 | 116 | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.247 | 0.187 | 24.3# | 103 | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.326 | 0.283 | 13.2 | 103 | 0.00 |
| 53 | | 4-Nitrophenol | 0.396 | 0.383 | 3.3 | 113 | 0.00 |
| 54 | | Dibenzofuran | 2.017 | 2.000 | 0.8 | 114 | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.544 | 0.522 | 4.0 | 112 | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.442 | 0.415 | 6.1 | 111 | 0.00 |
| 57 | | Diethylphthalate | 1.962 | 1.832 | 6.6 | 113 | 0.00 |
| 58 | S | Fluorene-d10 | 1.465 | 1.433 | 2.2 | 115 | 0.00 |
| 59 | | Fluorene | 1.761 | 1.697 | 3.6 | 110 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.875 | 0.838 | 4.2 | 115 | 0.00 |
| 61 | | 4-Nitroaniline | 0.418 | 0.324 | 22.5# | 108 | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.140 | 0.121 | 13.6 | 110 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.152 | 0.133 | 12.5 | 109 | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.650 | 0.662 | -1.8 | 114 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.223 | 0.221 | 0.9 | 110 | 0.00 |
| 67 | | Hexachlorobenzene | 0.218 | 0.222 | -1.8 | 110 | 0.00 |
| 68 | | Atrazine | 0.248 | 0.244 | 1.6 | 109 | 0.00 |
| 69 | C | Pentachlorophenol | 0.148 | 0.134 | 9.5 | 111 | 0.00 |
| 70 | | Phenanthrene | 1.188 | 1.169 | 1.6 | 110 | 0.00 |
| 71 | S | Anthracene-d10 | 0.986 | 0.962 | 2.4 | 108 | 0.00 |
| 72 | | Anthracene | 1.207 | 1.200 | 0.6 | 110 | 0.00 |
| 73 | | 1,2,3,4-Tetrachlorobenzene | 0.269 | 0.270 | -0.4 | 111 | 0.00 |
| 74 | | Pentachlorobenzene | 0.267 | 0.267 | 0.0 | 113 | 0.00 |
| 75 | | Carbazole | 1.053 | 1.029 | 2.3 | 108 | 0.00 |
| 76 | | Di-n-butylphthalate | 1.421 | 1.385 | 2.5 | 108 | 0.00 |
| 77 | C | Fluoranthene | 1.396 | 1.342 | 3.9 | 106 | 0.00 |
| 78 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 79 | S | Pyrene-d10 | 1.000 | 0.986 | 1.4 | 106 | 0.00 |
| 80 | | Pyrene | 1.327 | 1.298 | 2.2 | 105 | 0.00 |
| 81 | | Butylbenzylphthalate | 0.601 | 0.612 | -1.8 | 109 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.424 | 0.402 | 5.2 | 108 | 0.00 |
| 83 | | Benzo(a)anthracene | 1.284 | 1.282 | 0.2 | 106 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.893 | 0.893 | 0.0 | 107 | 0.00 |
| 85 | | Chrysene | 1.198 | 1.189 | 0.8 | 105 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 87 | | Di-n-octyl phthalate | 1.643 | 1.636 | 0.4 | 107 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(b)fluoranthene | 1.361 | 1.337 | 1.8 | 104 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.320 | 1.326 | -0.5 | 110 | 0.00 |
| 90 | S | Benzo(a)pyrene-d12 | 1.064 | 1.047 | 1.6 | 107 | 0.00 |
| 91 | C | Benzo(a)pyrene | 1.317 | 1.302 | 1.1 | 106 | 0.00 |
| 92 | | Indeno(1,2,3-cd)pyrene | 1.438 | 1.462 | -1.7 | 107 | 0.01 |
| 93 | | Dibenzo(a,h)anthracene | 1.236 | 1.225 | 0.9 | 107 | 0.00 |
| 94 | | Benzo(g,h,i)perylene | 1.079 | 1.202 | -11.4 | 217# | 0.00 |

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