# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026906.D
Acq On : 9 May 2017 10:52
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02080

Quant Time: May 10 01:05:16 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 09 01:04:53 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 | 104 | 0.00 |
| 2 | | 1,4-Dioxane | 0.507 | 0.445 | 12.2 | 97 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.444 | 0.406 | 8.6 | 96 | 0.00 |
| 4 | | Benzaldehyde | 0.863 | 0.852 | 1.3 | 125 | 0.00 |
| 5 | S | Phenol-d5 | 1.785 | 1.954 | -9.5 | 114 | 0.00 |
| 6 | | Phenol | 1.809 | 1.993 | -10.2 | 114 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.050 | 1.096 | -4.4 | 108 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.397 | 1.435 | -2.7 | 104 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.515 | 1.613 | -6.5 | 113 | 0.00 |
| 10 | | 2-Chlorophenol | 1.491 | 1.562 | -4.8 | 108 | 0.00 |
| 11 | | 2-Methylphenol | 1.432 | 1.536 | -7.3 | 113 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.458 | 1.613 | -10.6 | 114 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.481 | 1.585 | -7.0 | 113 | 0.00 |
| 14 | | Acetophenone | 2.176 | 2.288 | -5.1 | 106 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.073 | 1.053 | 1.9 | 103 | 0.00 |
| 16 | | 4-Methylphenol | 1.566 | 1.714 | -9.5 | 114 | 0.00 |
| 17 | | Hexachloroethane | 0.561 | 0.559 | 0.4 | 109 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.167 | 0.162 | 3.0 | 109 | 0.00 |
| 20 | | Nitrobenzene | 0.323 | 0.328 | -1.5 | 111 | 0.00 |
| 21 | | Isophorone | 0.619 | 0.600 | 3.1 | 106 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.182 | 0.177 | 2.7 | 106 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.191 | 0.189 | 1.0 | 110 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.349 | 0.352 | -0.9 | 113 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.423 | 0.414 | 2.1 | 107 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.289 | 0.299 | -3.5 | 113 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.288 | 0.296 | -2.8 | 112 | 0.00 |
| 28 | | Naphthalene | 1.041 | 1.027 | 1.3 | 108 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.387 | 0.424 | -9.6 | 109 | 0.00 |
| 30 | | 4-Chloroaniline | 0.365 | 0.414 | -13.4 | 115 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.146 | 0.141 | 3.4 | 108 | 0.00 |
| 32 | | Caprolactam | 0.108 | 0.108 | 0.0 | 113 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.312 | 0.339 | -8.7 | 117 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.773 | 0.757 | 2.1 | 108 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.527 | 0.540 | -2.5 | 112 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.232 | 0.176 | 24.1# | 90 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.363 | 0.377 | -3.9 | 111 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.375 | 0.367 | 2.1 | 105 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.681 | 1.685 | -0.2 | 108 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.264 | 1.282 | -1.4 | 110 | 0.00 |
| 42 | | 2-Nitroaniline | 0.361 | 0.390 | -8.0 | 117 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.610 | 1.563 | 2.9 | 104 | 0.00 |
| 44 | | Dimethylphthalate | 1.576 | 1.534 | 2.7 | 106 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.333 | 0.336 | -0.9 | 108 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.022 | 2.079 | -2.8 | 110 | 0.00 |
| 47 | | Acenaphthylene | 2.060 | 2.076 | -0.8 | 109 | 0.00 |
| 48 | | 3-Nitroaniline | 0.350 | 0.359 | -2.6 | 113 | 0.00 |
| 49 | C | Acenaphthene | 1.433 | 1.415 | 1.3 | 107 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.170 | 0.144 | 15.3 | 83 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.290 | 0.229 | 21.0# | 89 | 0.00 |
| 52 | | 4-Nitrophenol | 0.170 | 0.138 | 18.8 | 89 | 0.00 |
| 53 | | Dibenzofuran | 1.907 | 1.875 | 1.7 | 106 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.476 | 0.462 | 2.9 | 103 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.295 | 0.269 | 8.8 | 97 | 0.00 |
| 56 | | Diethylphthalate | 1.649 | 1.593 | 3.4 | 104 | 0.00 |
| 57 | S | Fluorene-d10 | 1.405 | 1.374 | 2.2 | 106 | 0.00 |
| 58 | | Fluorene | 1.557 | 1.504 | 3.4 | 104 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.679 | 0.663 | 2.4 | 107 | 0.00 |
| 60 | | 4-Nitroaniline | 0.386 | 0.328 | 15.0 | 99 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.121 | 0.102 | 15.7 | 88 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.108 | 14.3 | 89 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.657 | 0.680 | -3.5 | 103 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.200 | 0.205 | -2.5 | 101 | 0.00 |
| 66 | | Hexachlorobenzene | 0.215 | 0.218 | -1.4 | 103 | 0.00 |
| 67 | | Atrazine | 0.205 | 0.209 | -2.0 | 99 | 0.00 |
| 68 | C | Pentachlorophenol | 0.098 | 0.083 | 15.3 | 99 | 0.00 |
| 69 | | Phenanthrene | 1.127 | 1.117 | 0.9 | 98 | 0.00 |
| 70 | S | Anthracene-d10 | 0.971 | 0.974 | -0.3 | 100 | 0.00 |
| 71 | | Anthracene | 1.156 | 1.153 | 0.3 | 98 | 0.00 |
| 72 | | Carbazole | 0.977 | 1.044 | -6.9 | 97 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.272 | 1.343 | -5.6 | 101 | 0.00 |
| 74 | C | Fluoranthene | 1.046 | 1.138 | -8.8 | 97 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 76 | S | Pyrene-d10 | 1.056 | 1.034 | 2.1 | 98 | 0.00 |
| 77 | | Pyrene | 1.342 | 1.317 | 1.9 | 98 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.623 | 0.684 | -9.8 | 109 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.385 | 0.425 | -10.4 | 108 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.170 | 1.197 | -2.3 | 103 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.889 | 0.983 | -10.6 | 108 | 0.00 |
| 82 | | Chrysene | 1.087 | 1.102 | -1.4 | 102 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.374 | 1.549 | -12.7 | 112 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.143 | 1.138 | 0.4 | 110 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.123 | 1.135 | -1.1 | 107 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.946 | 0.943 | 0.3 | 108 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.125 | 1.139 | -1.2 | 109 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.333 | 1.265 | 5.1 | 103 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.130 | 1.074 | 5.0 | 103 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.106 | 0.972 | 12.1 | 96 | 0.00 |

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