# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111515\
Data File : BG019622.D
Acq On : 15 Nov 2015 19:39
Operator : UM/NP
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02019

Quant Time: Nov 16 03:11:52 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 16 02:26:38 2015
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 | 127 | 0.00 |
| 2 | | 1,4-Dioxane | 0.476 | 0.495 | -4.0 | 161# | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.418 | 0.404 | 3.3 | 141 | 0.00 |
| 4 | | Benzaldehyde | 1.194 | 1.324 | -10.9 | 122 | 0.00 |
| 5 | S | Phenol-d5 | 1.836 | 1.706 | 7.1 | 124 | 0.00 |
| 6 | | Phenol | 1.956 | 1.878 | 4.0 | 124 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.164 | 1.153 | 0.9 | 130 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.344 | 1.318 | 1.9 | 126 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.146 | 1.081 | 5.7 | 124 | 0.00 |
| 10 | | 2-Chlorophenol | 1.180 | 1.134 | 3.9 | 126 | 0.00 |
| 11 | | 2-Methylphenol | 1.446 | 1.352 | 6.5 | 124 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.077 | 1.153 | -7.1 | 142 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.462 | 1.396 | 4.5 | 123 | 0.00 |
| 14 | | Acetophenone | 2.455 | 2.296 | 6.5 | 118 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.609 | 1.487 | 7.6 | 125 | 0.00 |
| 16 | | 4-Methylphenol | 1.580 | 1.541 | 2.5 | 126 | 0.00 |
| 17 | | Hexachloroethane | 0.616 | 0.539 | 12.5 | 127 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 129 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.147 | 0.138 | 6.1 | 125 | 0.00 |
| 20 | | Nitrobenzene | 0.575 | 0.525 | 8.7 | 120 | 0.00 |
| 21 | | Isophorone | 1.041 | 0.969 | 6.9 | 124 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.174 | 0.154 | 11.5 | 111 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.198 | 0.176 | 11.1 | 118 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.518 | 0.465 | 10.2 | 119 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.493 | 0.475 | 3.7 | 126 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.379 | 0.348 | 8.2 | 120 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.362 | 0.332 | 8.3 | 115 | 0.00 |
| 28 | | Naphthalene | 1.001 | 0.931 | 7.0 | 121 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.383 | 0.402 | -5.0 | 118 | 0.00 |
| 30 | | 4-Chloroaniline | 0.401 | 0.409 | -2.0 | 118 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.370 | 0.312 | 15.7 | 108 | 0.00 |
| 32 | | Caprolactam | 0.130 | 0.125 | 3.8 | 124 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.486 | 0.446 | 8.2 | 118 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.804 | 0.735 | 8.6 | 118 | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.761 | 0.710 | 6.7 | 118 | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 126 | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.824 | 0.734 | 10.9 | 112 | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.612 | 0.405 | 33.8# | 83 | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.487 | 0.428 | 12.1 | 110 | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.535 | 0.477 | 10.8 | 115 | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.414 | 1.313 | 7.1 | 115 | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.103 | 1.013 | 8.2 | 116 | 0.00 |
| 43 | | 2-Nitroaniline | 0.472 | 0.431 | 8.7 | 113 | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.649 | 1.521 | 7.8 | 116 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.686 | 1.534 | 9.0 | 116 | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.341 | 0.316 | 7.3 | 117 | 0.00 |
| 47 | S | Acenaphthylene-d8 | 1.826 | 1.686 | 7.7 | 115 | 0.00 |
| 48 | | Acenaphthylene | 1.871 | 1.778 | 5.0 | 120 | 0.00 |
| 49 | | 3-Nitroaniline | 0.294 | 0.289 | 1.7 | 118 | 0.00 |
| 50 | C | Acenaphthene | 1.263 | 1.185 | 6.2 | 118 | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.257 | 0.175 | 31.9# | 90 | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.262 | 0.241 | 8.0 | 115 | 0.00 |
| 53 | | 4-Nitrophenol | 0.409 | 0.319 | 22.0# | 97 | 0.00 |
| 54 | | Dibenzofuran | 1.861 | 1.726 | 7.3 | 116 | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.539 | 0.495 | 8.2 | 117 | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.559 | 0.491 | 12.2 | 109 | 0.00 |
| 57 | | Diethylphthalate | 1.665 | 1.493 | 10.3 | 114 | 0.00 |
| 58 | S | Fluorene-d10 | 1.525 | 1.390 | 8.9 | 112 | 0.00 |
| 59 | | Fluorene | 1.623 | 1.471 | 9.4 | 114 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.965 | 0.841 | 12.8 | 110 | 0.00 |
| 61 | | 4-Nitroaniline | 0.338 | 0.314 | 7.1 | 114 | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 125 | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.129 | 0.107 | 17.1 | 104 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.140 | 0.116 | 17.1 | 105 | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.517 | 0.475 | 8.1 | 114 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.238 | 0.211 | 11.3 | 110 | 0.00 |
| 67 | | Hexachlorobenzene | 0.252 | 0.218 | 13.5 | 107 | 0.00 |
| 68 | | Atrazine | 0.256 | 0.229 | 10.5 | 110 | 0.00 |
| 69 | C | Pentachlorophenol | 0.149 | 0.126 | 15.4 | 111 | 0.00 |
| 70 | | Phenanthrene | 1.009 | 0.928 | 8.0 | 115 | 0.00 |
| 71 | S | Anthracene-d10 | 0.912 | 0.822 | 9.9 | 114 | 0.00 |
| 72 | | Anthracene | 1.029 | 0.940 | 8.6 | 115 | 0.00 |
| 73 | | 1,2,3,4-Tetrachlorobenzene | 0.290 | 0.262 | 9.7 | 110 | 0.00 |
| 74 | | Pentachlorobenzene | 0.292 | 0.261 | 10.6 | 110 | 0.00 |
| 75 | | Carbazole | 0.821 | 0.795 | 3.2 | 116 | 0.00 |
| 76 | | Di-n-butylphthalate | 1.018 | 0.938 | 7.9 | 116 | 0.00 |
| 77 | C | Fluoranthene | 1.307 | 1.245 | 4.7 | 112 | 0.00 |
| 78 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 124 | 0.00 |
| 79 | S | Pyrene-d10 | 0.875 | 0.798 | 8.8 | 113 | 0.00 |
| 80 | | Pyrene | 1.122 | 1.012 | 9.8 | 112 | 0.00 |
| 81 | | Butylbenzylphthalate | 0.365 | 0.344 | 5.8 | 118 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.392 | 0.356 | 9.2 | 105 | 0.00 |
| 83 | | Benzo(a)anthracene | 1.165 | 1.066 | 8.5 | 114 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.518 | 0.497 | 4.1 | 120 | 0.00 |
| 85 | | Chrysene | 1.093 | 0.977 | 10.6 | 112 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 87 | | Di-n-octyl phthalate | 0.906 | 0.915 | -1.0 | 120 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(b)fluoranthene | 1.180 | 1.081 | 8.4 | 113 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.135 | 1.066 | 6.1 | 116 | 0.00 |
| 90 | S | Benzo(a)pyrene-d12 | 1.004 | 0.930 | 7.4 | 115 | 0.00 |
| 91 | C | Benzo(a)pyrene | 1.133 | 1.062 | 6.3 | 116 | 0.00 |
| 92 | | Indeno(1,2,3-cd)pyrene | 1.277 | 1.183 | 7.4 | 115 | 0.00 |
| 93 | | Dibenzo(a,h)anthracene | 1.066 | 0.979 | 8.2 | 115 | 0.00 |
| 94 | | Benzo(g,h,i)perylene | 0.969 | 0.993 | -2.5 | 118 | 0.00 |

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