# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041917\
Data File : BM009685.D
Acq On : 20 Apr 2017 00:50
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02013

Quant Time: Apr 20 05:26:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 20 05:05:21 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 | 0.638 | 0.494 | 22.6# | 105 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.543 | 0.449 | 17.3 | 114 | 0.00 |
| 4 | | Benzaldehyde | 1.127 | 1.297 | -15.1 | 124 | 0.00 |
| 5 | S | Phenol-d5 | 1.823 | 1.750 | 4.0 | 127 | 0.00 |
| 6 | | Phenol | 1.968 | 1.890 | 4.0 | 126 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.282 | 1.195 | 6.8 | 120 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.508 | 1.431 | 5.1 | 126 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.267 | 1.263 | 0.3 | 129 | 0.00 |
| 10 | | 2-Chlorophenol | 1.324 | 1.312 | 0.9 | 131 | 0.00 |
| 11 | | 2-Methylphenol | 1.377 | 1.267 | 8.0 | 122 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.465 | 2.261 | 8.3 | 121 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.347 | 1.294 | 3.9 | 127 | 0.00 |
| 14 | | Acetophenone | 2.305 | 2.185 | 5.2 | 124 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.361 | 1.296 | 4.8 | 120 | 0.00 |
| 16 | | 4-Methylphenol | 1.505 | 1.406 | 6.6 | 121 | 0.00 |
| 17 | | Hexachloroethane | 0.641 | 0.597 | 6.9 | 121 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 131 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.154 | 0.155 | -0.6 | 127 | 0.00 |
| 20 | | Nitrobenzene | 0.509 | 0.486 | 4.5 | 125 | 0.00 |
| 21 | | Isophorone | 0.831 | 0.804 | 3.2 | 122 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.163 | 0.160 | 1.8 | 124 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.182 | 0.182 | 0.0 | 127 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.428 | 0.412 | 3.7 | 124 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.500 | 0.468 | 6.4 | 119 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.323 | 0.312 | 3.4 | 126 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.324 | 0.313 | 3.4 | 121 | 0.00 |
| 28 | | Naphthalene | 1.044 | 1.001 | 4.1 | 122 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.325 | 0.372 | -14.5 | 120 | 0.00 |
| 30 | | 4-Chloroaniline | 0.339 | 0.393 | -15.9 | 129 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.242 | 0.233 | 3.7 | 122 | 0.00 |
| 32 | | Caprolactam | 0.106 | 0.096 | 9.4 | 119 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.365 | 0.347 | 4.9 | 121 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.738 | 0.716 | 3.0 | 124 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 130 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.736 | 0.733 | 0.4 | 124 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.401 | 0.268 | 33.2# | 90 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.471 | 0.466 | 1.1 | 124 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.476 | 0.460 | 3.4 | 125 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.677 | 1.644 | 2.0 | 121 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.324 | 1.277 | 3.5 | 122 | 0.00 |
| 42 | | 2-Nitroaniline | 0.506 | 0.502 | 0.8 | 122 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.613 | 1.562 | 3.2 | 120 | 0.00 |
| 44 | | Dimethylphthalate | 1.622 | 1.570 | 3.2 | 120 | 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 | 0.324 | 0.324 | 0.0 | 120 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.042 | 1.997 | 2.2 | 120 | 0.00 |
| 47 | | Acenaphthylene | 2.049 | 2.018 | 1.5 | 122 | 0.00 |
| 48 | | 3-Nitroaniline | 0.320 | 0.334 | -4.4 | 128 | 0.00 |
| 49 | C | Acenaphthene | 1.378 | 1.349 | 2.1 | 123 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.201 | 0.134 | 33.3# | 91 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.290 | 0.256 | 11.7 | 115 | 0.00 |
| 52 | | 4-Nitrophenol | 0.338 | 0.304 | 10.1 | 112 | 0.00 |
| 53 | | Dibenzofuran | 1.984 | 1.949 | 1.8 | 121 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.480 | 0.456 | 5.0 | 118 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.437 | 0.434 | 0.7 | 121 | 0.00 |
| 56 | | Diethylphthalate | 1.658 | 1.616 | 2.5 | 122 | 0.00 |
| 57 | S | Fluorene-d10 | 1.386 | 1.328 | 4.2 | 119 | 0.00 |
| 58 | | Fluorene | 1.646 | 1.581 | 3.9 | 120 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.855 | 0.811 | 5.1 | 117 | 0.00 |
| 60 | | 4-Nitroaniline | 0.350 | 0.352 | -0.6 | 126 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 126 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.127 | 0.100 | 21.3# | 103 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.134 | 0.107 | 20.1# | 102 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.611 | 0.605 | 1.0 | 121 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.230 | 0.230 | 0.0 | 122 | 0.00 |
| 66 | | Hexachlorobenzene | 0.252 | 0.243 | 3.6 | 116 | 0.00 |
| 67 | | Atrazine | 0.237 | 0.235 | 0.8 | 117 | 0.00 |
| 68 | C | Pentachlorophenol | 0.156 | 0.137 | 12.2 | 114 | 0.00 |
| 69 | | Phenanthrene | 1.122 | 1.086 | 3.2 | 118 | 0.00 |
| 70 | S | Anthracene-d10 | 0.969 | 0.963 | 0.6 | 121 | 0.00 |
| 71 | | Anthracene | 1.168 | 1.153 | 1.3 | 119 | 0.00 |
| 72 | | Carbazole | 1.026 | 0.989 | 3.6 | 118 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.242 | 1.224 | 1.4 | 119 | 0.00 |
| 74 | C | Fluoranthene | 1.392 | 1.341 | 3.7 | 120 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 125 | 0.00 |
| 76 | S | Pyrene-d10 | 0.861 | 0.844 | 2.0 | 119 | 0.00 |
| 77 | | Pyrene | 1.136 | 1.116 | 1.8 | 119 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.469 | 0.474 | -1.1 | 122 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.406 | 0.393 | 3.2 | 114 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.171 | 1.125 | 3.9 | 117 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.694 | 0.704 | -1.4 | 124 | 0.00 |
| 82 | | Chrysene | 1.055 | 1.024 | 2.9 | 117 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 132 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.331 | 1.235 | 7.2 | 124 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.231 | 1.159 | 5.8 | 121 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.172 | 1.103 | 5.9 | 119 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.905 | 0.857 | 5.3 | 120 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.186 | 1.112 | 6.2 | 119 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.386 | 1.324 | 4.5 | 122 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.172 | 1.137 | 3.0 | 123 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 1.133 | 1.107 | 2.3 | 124 | 0.00 |

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