# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081716\
Data File : BM007174.D
Acq On : 17 Aug 2016 11:28
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02047

Quant Time: Aug 17 14:20:21 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 17 04:01:43 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 | 125 | 0.00 |
| 2 | | 1,4-Dioxane | 0.476 | 0.483 | -1.5 | 129 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.458 | 0.467 | -2.0 | 125 | 0.00 |
| 4 | | Benzaldehyde | 0.974 | 1.089 | -11.8 | 129 | 0.00 |
| 5 | S | Phenol-d5 | 1.620 | 1.619 | 0.1 | 126 | 0.00 |
| 6 | | Phenol | 1.707 | 1.683 | 1.4 | 124 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.929 | 0.927 | 0.2 | 123 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.259 | 1.275 | -1.3 | 124 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.290 | 1.311 | -1.6 | 127 | 0.00 |
| 10 | | 2-Chlorophenol | 1.320 | 1.346 | -2.0 | 125 | 0.00 |
| 11 | | 2-Methylphenol | 1.283 | 1.264 | 1.5 | 125 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.443 | 1.410 | 2.3 | 123 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.333 | 1.286 | 3.5 | 124 | 0.00 |
| 14 | | Acetophenone | 2.053 | 2.027 | 1.3 | 123 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.068 | 1.021 | 4.4 | 119 | 0.00 |
| 16 | | 4-Methylphenol | 1.401 | 1.357 | 3.1 | 124 | 0.00 |
| 17 | | Hexachloroethane | 0.551 | 0.551 | 0.0 | 125 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 124 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.145 | 0.155 | -6.9 | 127 | 0.00 |
| 20 | | Nitrobenzene | 0.374 | 0.387 | -3.5 | 125 | 0.00 |
| 21 | | Isophorone | 0.700 | 0.685 | 2.1 | 119 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.155 | 0.168 | -8.4 | 130 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.170 | 0.184 | -8.2 | 128 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.389 | 0.399 | -2.6 | 123 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.420 | 0.421 | -0.2 | 122 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.325 | 0.331 | -1.8 | 124 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.324 | 0.333 | -2.8 | 124 | 0.00 |
| 28 | | Naphthalene | 0.991 | 0.996 | -0.5 | 122 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.387 | 0.396 | -2.3 | 119 | 0.00 |
| 30 | | 4-Chloroaniline | 0.397 | 0.409 | -3.0 | 119 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.239 | 0.247 | -3.3 | 125 | 0.00 |
| 32 | | Caprolactam | 0.110 | 0.096 | 12.7 | 109 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.354 | 0.347 | 2.0 | 118 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.764 | 0.757 | 0.9 | 120 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.707 | 0.778 | -10.0 | 119 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.450 | 0.375 | 16.7 | 92 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.454 | 0.487 | -7.3 | 117 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.475 | 0.510 | -7.4 | 116 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.605 | 1.697 | -5.7 | 116 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.259 | 1.328 | -5.5 | 116 | 0.00 |
| 42 | | 2-Nitroaniline | 0.361 | 0.384 | -6.4 | 116 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.653 | 1.651 | 0.1 | 111 | 0.00 |
| 44 | | Dimethylphthalate | 1.652 | 1.641 | 0.7 | 110 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.321 | 0.338 | -5.3 | 116 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.985 | 2.053 | -3.4 | 113 | 0.00 |
| 47 | | Acenaphthylene | 2.043 | 2.095 | -2.5 | 112 | 0.00 |
| 48 | | 3-Nitroaniline | 0.317 | 0.333 | -5.0 | 110 | 0.00 |
| 49 | C | Acenaphthene | 1.327 | 1.344 | -1.3 | 112 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.190 | 0.146 | 23.2# | 99 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.296 | 0.277 | 6.4 | 105 | 0.00 |
| 52 | | 4-Nitrophenol | 0.301 | 0.283 | 6.0 | 105 | 0.00 |
| 53 | | Dibenzofuran | 1.969 | 1.978 | -0.5 | 111 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.474 | 0.483 | -1.9 | 112 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.459 | 0.464 | -1.1 | 111 | 0.00 |
| 56 | | Diethylphthalate | 1.742 | 1.629 | 6.5 | 106 | 0.00 |
| 57 | S | Fluorene-d10 | 1.445 | 1.418 | 1.9 | 109 | 0.00 |
| 58 | | Fluorene | 1.588 | 1.576 | 0.8 | 109 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.838 | 0.821 | 2.0 | 108 | 0.00 |
| 60 | | 4-Nitroaniline | 0.372 | 0.343 | 7.8 | 100 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.111 | 0.099 | 10.8 | 101 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.120 | 0.106 | 11.7 | 97 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.566 | 0.591 | -4.4 | 107 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.227 | 0.239 | -5.3 | 111 | 0.00 |
| 66 | | Hexachlorobenzene | 0.256 | 0.265 | -3.5 | 108 | 0.00 |
| 67 | | Atrazine | 0.228 | 0.233 | -2.2 | 104 | 0.00 |
| 68 | C | Pentachlorophenol | 0.158 | 0.153 | 3.2 | 105 | 0.00 |
| 69 | | Phenanthrene | 1.076 | 1.086 | -0.9 | 105 | 0.00 |
| 70 | S | Anthracene-d10 | 0.927 | 0.935 | -0.9 | 104 | 0.00 |
| 71 | | Anthracene | 1.104 | 1.112 | -0.7 | 103 | 0.00 |
| 72 | | Carbazole | 0.951 | 0.981 | -3.2 | 102 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.163 | 1.170 | -0.6 | 103 | 0.00 |
| 74 | C | Fluoranthene | 1.305 | 1.386 | -6.2 | 103 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 76 | S | Pyrene-d10 | 0.844 | 0.891 | -5.6 | 103 | 0.00 |
| 77 | | Pyrene | 1.106 | 1.142 | -3.3 | 101 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.430 | 0.450 | -4.7 | 100 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.386 | 0.390 | -1.0 | 85 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.182 | 1.214 | -2.7 | 99 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.636 | 0.630 | 0.9 | 94 | 0.00 |
| 82 | | Chrysene | 1.080 | 1.066 | 1.3 | 95 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.032 | 1.084 | -5.0 | 95 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.205 | 1.250 | -3.7 | 96 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.131 | 1.148 | -1.5 | 96 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.915 | 0.940 | -2.7 | 96 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.142 | 1.173 | -2.7 | 96 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.400 | 1.408 | -0.6 | 94 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.175 | 1.188 | -1.1 | 94 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.183 | 1.161 | 1.9 | 93 | 0.00 |

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