# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG072517\
Data File : BG028019.D
Acq On : 25 Jul 2017 9:20
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02069

Quant Time: Jul 26 01:13:42 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG071717.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 21 02:24:12 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 | 110 | 0.00 |
| 2 | | 1,4-Dioxane | 0.440 | 0.366 | 16.8 | 95 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.363 | 0.334 | 8.0 | 96 | 0.00 |
| 4 | | Benzaldehyde | 1.019 | 0.931 | 8.6 | 97 | 0.00 |
| 5 | S | Phenol-d5 | 1.644 | 1.487 | 9.5 | 103 | 0.00 |
| 6 | | Phenol | 1.595 | 1.467 | 8.0 | 102 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.948 | 0.781 | 17.6 | 89 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.150 | 1.031 | 10.3 | 97 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.291 | 1.297 | -0.5 | 108 | 0.00 |
| 10 | | 2-Chlorophenol | 1.200 | 1.159 | 3.4 | 105 | 0.00 |
| 11 | | 2-Methylphenol | 1.171 | 1.097 | 6.3 | 106 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.168 | 1.565 | 27.8# | 77 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.360 | 1.282 | 5.7 | 104 | 0.00 |
| 14 | | Acetophenone | 1.918 | 1.860 | 3.0 | 108 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 0.983 | 0.863 | 12.2 | 97 | 0.00 |
| 16 | | 4-Methylphenol | 1.283 | 1.208 | 5.8 | 103 | 0.00 |
| 17 | | Hexachloroethane | 0.483 | 0.480 | 0.6 | 109 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.147 | 0.144 | 2.0 | 108 | 0.00 |
| 20 | | Nitrobenzene | 0.340 | 0.314 | 7.6 | 100 | 0.00 |
| 21 | | Isophorone | 0.620 | 0.594 | 4.2 | 105 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.177 | 0.182 | -2.8 | 112 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.170 | 0.177 | -4.1 | 114 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.357 | 0.352 | 1.4 | 107 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.372 | 0.355 | 4.6 | 104 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.346 | 0.360 | -4.0 | 114 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.335 | 0.354 | -5.7 | 114 | 0.00 |
| 28 | | Naphthalene | 0.948 | 0.943 | 0.5 | 108 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.313 | 0.403 | -28.8# | 153# | 0.00 |
| 30 | | 4-Chloroaniline | 0.290 | 0.375 | -29.3# | 156# | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.268 | 0.304 | -13.4 | 124 | 0.00 |
| 32 | | Caprolactam | 0.100 | 0.102 | -2.0 | 111 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.320 | 0.330 | -3.1 | 113 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.766 | 0.787 | -2.7 | 110 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.752 | 0.795 | -5.7 | 122 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.445 | 0.353 | 20.7# | 105 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.454 | 0.483 | -6.4 | 121 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.488 | 0.518 | -6.1 | 123 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.528 | 1.511 | 1.1 | 112 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.208 | 1.213 | -0.4 | 117 | 0.00 |
| 42 | | 2-Nitroaniline | 0.345 | 0.297 | 13.9 | 97 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.734 | 1.774 | -2.3 | 118 | 0.00 |
| 44 | | Dimethylphthalate | 1.579 | 1.628 | -3.1 | 118 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.319 | 0.336 | -5.3 | 121 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.971 | 2.029 | -2.9 | 119 | 0.00 |
| 47 | | Acenaphthylene | 1.936 | 1.916 | 1.0 | 113 | 0.00 |
| 48 | | 3-Nitroaniline | 0.278 | 0.281 | -1.1 | 119 | 0.00 |
| 49 | C | Acenaphthene | 1.310 | 1.296 | 1.1 | 115 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.184 | 0.154 | 16.3 | 115 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.251 | 0.207 | 17.5 | 101 | 0.00 |
| 52 | | 4-Nitrophenol | 0.202 | 0.166 | 17.8 | 95 | 0.00 |
| 53 | | Dibenzofuran | 1.937 | 1.939 | -0.1 | 115 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.466 | 0.473 | -1.5 | 110 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.465 | 0.501 | -7.7 | 121 | 0.00 |
| 56 | | Diethylphthalate | 1.646 | 1.642 | 0.2 | 116 | 0.00 |
| 57 | S | Fluorene-d10 | 1.634 | 1.694 | -3.7 | 119 | 0.00 |
| 58 | | Fluorene | 1.665 | 1.657 | 0.5 | 113 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.923 | 0.985 | -6.7 | 124 | 0.00 |
| 60 | | 4-Nitroaniline | 0.329 | 0.278 | 15.5 | 95 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.139 | 0.132 | 5.0 | 114 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.133 | 0.124 | 6.8 | 114 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.539 | 0.562 | -4.3 | 114 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.244 | 0.273 | -11.9 | 125 | 0.00 |
| 66 | | Hexachlorobenzene | 0.256 | 0.301 | -17.6 | 131 | 0.00 |
| 67 | | Atrazine | 0.237 | 0.237 | 0.0 | 111 | 0.00 |
| 68 | C | Pentachlorophenol | 0.139 | 0.133 | 4.3 | 116 | 0.00 |
| 69 | | Phenanthrene | 1.025 | 1.024 | 0.1 | 108 | 0.00 |
| 70 | S | Anthracene-d10 | 0.964 | 0.993 | -3.0 | 111 | 0.00 |
| 71 | | Anthracene | 1.051 | 1.061 | -1.0 | 108 | 0.00 |
| 72 | | Carbazole | 0.866 | 0.803 | 7.3 | 99 | 0.00 |
| 73 | | Di-n-butylphthalate | 0.950 | 0.921 | 3.1 | 102 | 0.00 |
| 74 | C | Fluoranthene | 1.255 | 1.172 | 6.6 | 98 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 76 | S | Pyrene-d10 | 0.899 | 0.906 | -0.8 | 100 | 0.00 |
| 77 | | Pyrene | 1.060 | 1.045 | 1.4 | 97 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.340 | 0.329 | 3.2 | 98 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.325 | 0.375 | -15.4 | 123 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.082 | 1.126 | -4.1 | 103 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.484 | 0.483 | 0.2 | 100 | 0.00 |
| 82 | | Chrysene | 0.985 | 1.002 | -1.7 | 102 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 84 | | Di-n-octyl phthalate | 0.928 | 0.820 | 11.6 | 100 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.141 | 1.125 | 1.4 | 107 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.119 | 1.129 | -0.9 | 111 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.934 | 0.933 | 0.1 | 109 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.103 | 1.103 | 0.0 | 110 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.251 | 1.294 | -3.4 | 113 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.050 | 1.090 | -3.8 | 111 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.032 | 1.073 | -4.0 | 115 | 0.00 |

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