Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG080917\
Data File : BG028254.D
Acq On : 10 Aug 2017 9:42
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02059

Quant Time: Aug 10 18:50:27 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 10 07:27:12 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 | 135 | 0.00 |
| 2 | | 1,4-Dioxane | 0.451 | 0.547 | -21.3# | 168# | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.429 | 0.416 | 3.0 | 145 | 0.00 |
| 4 | | Benzaldehyde | 1.269 | 1.296 | -2.1 | 129 | 0.00 |
| 5 | S | Phenol-d5 | 2.197 | 1.990 | 9.4 | 128 | 0.00 |
| 6 | | Phenol | 2.183 | 1.925 | 11.8 | 124 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.391 | 1.272 | 8.6 | 123 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.487 | 1.402 | 5.7 | 129 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.386 | 1.390 | -0.3 | 133 | 0.00 |
| 10 | | 2-Chlorophenol | 1.350 | 1.309 | 3.0 | 132 | 0.00 |
| 11 | | 2-Methylphenol | 1.541 | 1.367 | 11.3 | 121 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 3.610 | 3.119 | 13.6 | 114 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.836 | 1.627 | 11.4 | 120 | 0.00 |
| 14 | | Acetophenone | 2.618 | 2.276 | 13.1 | 115 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.488 | 1.351 | 9.2 | 117 | 0.00 |
| 16 | | 4-Methylphenol | 1.740 | 1.550 | 10.9 | 120 | 0.00 |
| 17 | | Hexachloroethane | 0.560 | 0.562 | -0.4 | 134 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 125 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.156 | 0.155 | 0.6 | 126 | 0.00 |
| 20 | | Nitrobenzene | 0.453 | 0.429 | 5.3 | 120 | 0.00 |
| 21 | | Isophorone | 0.860 | 0.833 | 3.1 | 121 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.171 | 0.185 | -8.2 | 135 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.173 | 0.182 | -5.2 | 130 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.430 | 0.420 | 2.3 | 120 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.469 | 0.440 | 6.2 | 116 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.355 | 0.354 | 0.3 | 127 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.323 | 0.325 | -0.6 | 129 | 0.00 |
| 28 | | Naphthalene | 0.991 | 0.980 | 1.1 | 124 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.395 | 0.405 | -2.5 | 114 | 0.00 |
| 30 | | 4-Chloroaniline | 0.383 | 0.357 | 6.8 | 105 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.238 | 0.254 | -6.7 | 137 | 0.00 |
| 32 | | Caprolactam | 0.134 | 0.136 | -1.5 | 128 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.412 | 0.419 | -1.7 | 125 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.796 | 0.785 | 1.4 | 124 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 125 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.645 | 0.638 | 1.1 | 129 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.356 | 0.328 | 7.9 | 131 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.402 | 0.439 | -9.2 | 138 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.438 | 0.466 | -6.4 | 135 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.461 | 1.395 | 4.5 | 122 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.154 | 1.097 | 4.9 | 120 | 0.00 |
| 42 | | 2-Nitroaniline | 0.484 | 0.473 | 2.3 | 118 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.779 | 1.703 | 4.3 | 119 | 0.00 |
| 44 | | Dimethylphthalate | 1.638 | 1.550 | 5.4 | 119 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.338 | 0.350 | -3.6 | 126 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.006 | 1.942 | 3.2 | 123 | 0.00 |
| 47 | | Acenaphthylene | 1.917 | 1.828 | 4.6 | 120 | 0.00 |
| 48 | | 3-Nitroaniline | 0.305 | 0.321 | -5.2 | 128 | 0.00 |
| 49 | C | Acenaphthene | 1.293 | 1.251 | 3.2 | 120 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.191 | 0.214 | -12.0 | 165# | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.283 | 0.283 | 0.0 | 128 | 0.00 |
| 52 | | 4-Nitrophenol | 0.293 | 0.286 | 2.4 | 121 | 0.00 |
| 53 | | Dibenzofuran | 1.886 | 1.798 | 4.7 | 120 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.512 | 0.521 | -1.8 | 127 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.408 | 0.460 | -12.7 | 142 | 0.00 |
| 56 | | Diethylphthalate | 1.921 | 1.774 | 7.7 | 118 | 0.00 |
| 57 | S | Fluorene-d10 | 1.596 | 1.536 | 3.8 | 122 | 0.00 |
| 58 | | Fluorene | 1.669 | 1.607 | 3.7 | 123 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.896 | 0.841 | 6.1 | 121 | 0.00 |
| 60 | | 4-Nitroaniline | 0.361 | 0.334 | 7.5 | 119 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 123 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.130 | 0.129 | 0.8 | 137 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.132 | 0.128 | 3.0 | 133 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.526 | 0.515 | 2.1 | 121 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.215 | 0.222 | -3.3 | 128 | 0.00 |
| 66 | | Hexachlorobenzene | 0.229 | 0.236 | -3.1 | 131 | 0.00 |
| 67 | | Atrazine | 0.229 | 0.225 | 1.7 | 122 | 0.00 |
| 68 | C | Pentachlorophenol | 0.116 | 0.121 | -4.3 | 151# | 0.00 |
| 69 | | Phenanthrene | 1.007 | 0.958 | 4.9 | 118 | 0.00 |
| 70 | S | Anthracene-d10 | 0.959 | 0.944 | 1.6 | 125 | 0.00 |
| 71 | | Anthracene | 1.029 | 1.025 | 0.4 | 125 | 0.00 |
| 72 | | Carbazole | 0.895 | 0.874 | 2.3 | 123 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.114 | 1.115 | -0.1 | 123 | 0.00 |
| 74 | C | Fluoranthene | 1.223 | 1.217 | 0.5 | 122 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 132 | 0.00 |
| 76 | S | Pyrene-d10 | 1.026 | 0.955 | 6.9 | 120 | 0.00 |
| 77 | | Pyrene | 1.193 | 1.106 | 7.3 | 121 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.447 | 0.459 | -2.7 | 136 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.386 | 0.375 | 2.8 | 125 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.156 | 1.129 | 2.3 | 130 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.636 | 0.652 | -2.5 | 138 | 0.00 |
| 82 | | Chrysene | 1.041 | 1.026 | 1.4 | 130 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 136 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.199 | 1.144 | 4.6 | 135 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.197 | 1.149 | 4.0 | 134 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.169 | 1.136 | 2.8 | 131 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.936 | 0.909 | 2.9 | 134 | 0.00 |

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Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.159 | 1.107 | 4.5 | 132 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.357 | 1.328 | 2.1 | 139 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.137 | 1.113 | 2.1 | 138 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.116 | 1.073 | 3.9 | 134 | 0.02 |

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