Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG053115\
Data File : BG017364.D
Acq On : 31 May 2015 15:47
Operator : TP/IZ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 01 06:14:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 01 06:03:39 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 | 87 | 0.00 |
| 2 | | 1,4-Dioxane | 0.478 | 0.545 | -14.0 | 121 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.421 | 0.427 | -1.4 | 88 | 0.00 |
| 4 | | Benzaldehyde | 0.922 | 1.258 | -36.4# | 95 | 0.00 |
| 5 | S | Phenol-d5 | 1.686 | 1.683 | 0.2 | 88 | 0.00 |
| 6 | | Phenol | 1.769 | 1.848 | -4.5 | 89 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.008 | 1.031 | -2.3 | 85 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.333 | 1.426 | -7.0 | 92 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.367 | 1.411 | -3.2 | 87 | 0.00 |
| 10 | | 2-Chlorophenol | 1.360 | 1.384 | -1.8 | 87 | 0.00 |
| 11 | | 2-Methylphenol | 1.425 | 1.460 | -2.5 | 87 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.278 | 2.602 | -14.2 | 95 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.445 | 1.498 | -3.7 | 89 | 0.00 |
| 14 | | Acetophenone | 2.277 | 2.354 | -3.4 | 88 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.308 | 1.384 | -5.8 | 88 | 0.00 |
| 16 | | 4-Methylphenol | 1.554 | 1.592 | -2.4 | 90 | 0.00 |
| 17 | | Hexachloroethane | 0.626 | 0.683 | -9.1 | 89 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.155 | 0.150 | 3.2 | 86 | 0.00 |
| 20 | | Nitrobenzene | 0.415 | 0.438 | -5.5 | 91 | 0.00 |
| 21 | | Isophorone | 0.773 | 0.800 | -3.5 | 88 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.184 | 0.186 | -1.1 | 84 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.186 | 0.200 | -7.5 | 90 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.404 | 0.423 | -4.7 | 89 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.407 | 0.418 | -2.7 | 88 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.324 | 0.326 | -0.6 | 87 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.313 | 0.325 | -3.8 | 88 | 0.00 |
| 28 | | Naphthalene | 1.015 | 1.067 | -5.1 | 90 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.372 | 0.454 | -22.0# | 90 | 0.00 |
| 30 | | 4-Chloroaniline | 0.375 | 0.450 | -20.0# | 87 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.209 | 0.217 | -3.8 | 91 | 0.00 |
| 32 | | Caprolactam | 0.140 | 0.148 | -5.7 | 88 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.378 | 0.394 | -4.2 | 89 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.765 | 0.794 | -3.8 | 89 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.581 | 0.581 | 0.0 | 89 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.286 | 0.245 | 14.3 | 92 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.384 | 0.386 | -0.5 | 88 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.419 | 0.440 | -5.0 | 94 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.499 | 1.519 | -1.3 | 89 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.201 | 1.225 | -2.0 | 88 | 0.00 |
| 42 | | 2-Nitroaniline | 0.443 | 0.478 | -7.9 | 96 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.426 | 1.486 | -4.2 | 90 | 0.00 |
| 44 | | Dimethylphthalate | 1.583 | 1.620 | -2.3 | 91 | 0.00 |

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

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|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.350 | 0.351 | -0.3 | 90 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.847 | 1.888 | -2.2 | 90 | 0.00 |
| 47 | | Acenaphthylene | 1.984 | 2.044 | -3.0 | 90 | 0.00 |
| 48 | | 3-Nitroaniline | 0.356 | 0.362 | -1.7 | 89 | 0.00 |
| 49 | C | Acenaphthene | 1.283 | 1.309 | -2.0 | 89 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.178 | 0.153 | 14.0 | 96 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.272 | 0.285 | -4.8 | 94 | 0.00 |
| 52 | | 4-Nitrophenol | 0.310 | 0.323 | -4.2 | 98 | 0.00 |
| 53 | | Dibenzofuran | 1.820 | 1.874 | -3.0 | 91 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.508 | 0.534 | -5.1 | 95 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.367 | 0.372 | -1.4 | 91 | 0.00 |
| 56 | | Diethylphthalate | 1.686 | 1.778 | -5.5 | 93 | 0.00 |
| 57 | S | Fluorene-d10 | 1.374 | 1.422 | -3.5 | 91 | 0.00 |
| 58 | | Fluorene | 1.577 | 1.596 | -1.2 | 91 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.833 | 0.871 | -4.6 | 92 | 0.00 |
| 60 | | 4-Nitroaniline | 0.370 | 0.421 | -13.8 | 102 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.140 | 0.135 | 3.6 | 101 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.143 | 0.137 | 4.2 | 94 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.590 | 0.601 | -1.9 | 93 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.225 | 0.224 | 0.4 | 92 | 0.00 |
| 66 | | Hexachlorobenzene | 0.239 | 0.236 | 1.3 | 94 | 0.00 |
| 67 | | Atrazine | 0.234 | 0.257 | -9.8 | 98 | 0.00 |
| 68 | C | Pentachlorophenol | 0.117 | 0.099 | 15.4 | 97 | 0.00 |
| 69 | | Phenanthrene | 1.063 | 1.093 | -2.8 | 96 | 0.00 |
| 70 | S | Anthracene-d10 | 0.937 | 0.951 | -1.5 | 93 | 0.00 |
| 71 | | Anthracene | 1.096 | 1.106 | -0.9 | 93 | 0.00 |
| 72 | | Carbazole | 0.982 | 1.013 | -3.2 | 93 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.353 | 1.379 | -1.9 | 94 | 0.00 |
| 74 | C | Fluoranthene | 1.284 | 1.329 | -3.5 | 93 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 76 | S | Pyrene-d10 | 0.968 | 1.006 | -3.9 | 97 | 0.00 |
| 77 | | Pyrene | 1.252 | 1.282 | -2.4 | 95 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.562 | 0.569 | -1.2 | 96 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.434 | 0.436 | -0.5 | 96 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.189 | 1.186 | 0.3 | 94 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.809 | 0.778 | 3.8 | 91 | 0.00 |
| 82 | | Chrysene | 1.101 | 1.124 | -2.1 | 96 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.348 | 1.323 | 1.9 | 92 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.205 | 1.187 | 1.5 | 93 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.132 | 1.163 | -2.7 | 99 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.893 | 0.895 | -0.2 | 95 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.139 | 1.134 | 0.4 | 96 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.283 | 1.288 | -0.4 | 96 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.093 | 1.092 | 0.1 | 96 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.072 | 1.046 | 2.4 | 94 | 0.00 |

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