Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
Data File : BG016033.D
Acq On : 20 Feb 2015 15:00
Operator : TP/IZ
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 20 15:43:49 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-MA-BG021915.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 20 05:38:39 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 | 101 | 0.00 |
| 2 | | Benzaldehyde | 1.203 | 1.158 | 3.7 | 98 | 0.00 |
| 3 | S | Phenol-d5 | 1.903 | 1.814 | 4.7 | 98 | 0.00 |
| 4 | | Phenol | 2.006 | 1.954 | 2.6 | 100 | 0.00 |
| 5 | S | Bis-(2-Chloroethyl)ether-d8 | 1.124 | 1.082 | 3.7 | 101 | 0.00 |
| 6 | | Bis(2-Chloroethyl)ether | 1.577 | 1.531 | 2.9 | 101 | 0.00 |
| 7 | S | 2-Chlorophenol-d4 | 1.408 | 1.390 | 1.3 | 102 | 0.00 |
| 8 | | 2-Chlorophenol | 1.414 | 1.398 | 1.1 | 102 | 0.00 |
| 9 | | 2-Methylphenol | 1.427 | 1.379 | 3.4 | 100 | 0.00 |
| 10 | | 2,2'-oxybis(1-Chloropropane | 2.005 | 1.822 | 9.1 | 96 | 0.00 |
| 11 | S | 4-Methylphenol-d8 | 1.408 | 1.381 | 1.9 | 102 | 0.00 |
| 12 | | Acetophenone | 2.133 | 2.081 | 2.4 | 102 | 0.00 |
| 13 | P | N-Nitroso-di-n-propylamine | 1.202 | 1.134 | 5.7 | 99 | 0.00 |
| 14 | | 4-Methylphenol | 1.578 | 1.580 | -0.1 | 104 | 0.00 |
| 15 | | Hexachloroethane | 0.561 | 0.544 | 3.0 | 101 | 0.00 |
| 16 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 17 | S | Nitrobenzene-d5 | 0.141 | 0.146 | -3.5 | 111 | 0.00 |
| 18 | | Nitrobenzene | 0.331 | 0.339 | -2.4 | 110 | 0.00 |
| 19 | | Isophorone | 0.720 | 0.683 | 5.1 | 100 | 0.00 |
| 20 | S | 2-Nitrophenol-d4 | 0.130 | 0.132 | -1.5 | 110 | 0.00 |
| 21 | C | 2-Nitrophenol | 0.147 | 0.153 | -4.1 | 114 | 0.00 |
| 22 | | 2,4-Dimethylphenol | 0.353 | 0.343 | 2.8 | 103 | 0.00 |
| 23 | | Bis(2-Chloroethoxy)methane | 0.449 | 0.427 | 4.9 | 101 | 0.00 |
| 24 | S | 2,4-Dichlorophenol-d3 | 0.283 | 0.277 | 2.1 | 104 | 0.00 |
| 25 | C | 2,4-Dichlorophenol | 0.277 | 0.271 | 2.2 | 103 | 0.00 |
| 26 | | Naphthalene | 1.068 | 1.042 | 2.4 | 102 | 0.00 |
| 27 | S | 4-Chloroaniline-d4 | 0.312 | 0.358 | -14.7 | 125 | 0.00 |
| 28 | | 4-Chloroaniline | 0.304 | 0.347 | -14.1 | 124 | 0.00 |
| 29 | C | Hexachlorobutadiene | 0.155 | 0.147 | 5.2 | 102 | 0.00 |
| 30 | | Caprolactam | 0.129 | 0.124 | 3.9 | 100 | 0.00 |
| 31 | C | 4-Chloro-3-methylphenol | 0.316 | 0.303 | 4.1 | 100 | 0.00 |
| 32 | | 2-Methylnaphthalene | 0.750 | 0.733 | 2.3 | 104 | 0.00 |
| 33 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 34 | | 1,2,4,5-Tetrachlorobenzene | 0.537 | 0.511 | 4.8 | 103 | 0.00 |
| 35 | | Hexachlorocyclopentadiene | 0.238 | 0.233 | 2.1 | 105 | 0.00 |
| 36 | C | 2,4,6-Trichlorophenol | 0.308 | 0.289 | 6.2 | 102 | 0.00 |
| 37 | | 2,4,5-Trichlorophenol | 0.344 | 0.329 | 4.4 | 102 | 0.00 |
| 38 | | 1,1'-Biphenyl | 1.547 | 1.501 | 3.0 | 104 | 0.00 |
| 39 | | 2-Chloronaphthalene | 1.163 | 1.118 | 3.9 | 104 | 0.00 |
| 40 | | 2-Nitroaniline | 0.296 | 0.301 | -1.7 | 112 | 0.00 |
| 41 | S | Dimethylphthalate-d6 | 1.337 | 1.356 | -1.4 | 106 | 0.00 |
| 42 | | Dimethylphthalate | 1.394 | 1.395 | -0.1 | 106 | 0.00 |
| 43 | | 2,6-Dinitrotoluene | 0.241 | 0.259 | -7.5 | 118 | 0.00 |
| 44 | S | Acenaphthylene-d8 | 1.892 | 1.874 | 1.0 | 105 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | Acenaphthylene | 2.006 | 1.968 | 1.9 | 103 | 0.00 |
| 46 | | 3-Nitroaniline | 0.270 | 0.292 | -8.1 | 116 | 0.00 |
| 47 | C | Acenaphthene | 1.331 | 1.310 | 1.6 | 105 | 0.00 |
| 48 | | 2,4-Dinitrophenol | 0.088 | 0.068 | 22.7# | 99 | 0.00 |
| 49 | S | 4-Nitrophenol-d4 | 0.269 | 0.265 | 1.5 | 111 | 0.00 |
| 50 | | 4-Nitrophenol | 0.155 | 0.145 | 6.5 | 102 | 0.00 |
| 51 | | Dibenzofuran | 1.783 | 1.751 | 1.8 | 106 | 0.00 |
| 52 | | 2,4-Dinitrotoluene | 0.345 | 0.372 | -7.8 | 114 | 0.00 |
| 53 | | 2,3,4,6-Tetrachlorophenol | 0.277 | 0.275 | 0.7 | 106 | 0.00 |
| 54 | | Diethylphthalate | 1.412 | 1.440 | -2.0 | 108 | 0.00 |
| 55 | S | Fluorene-d10 | 1.344 | 1.323 | 1.6 | 106 | 0.00 |
| 56 | | Fluorene | 1.555 | 1.510 | 2.9 | 104 | 0.00 |
| 57 | | 4-Chlorophenyl-phenylether | 0.702 | 0.674 | 4.0 | 104 | 0.00 |
| 58 | | 4-Nitroaniline | 0.368 | 0.387 | -5.2 | 111 | 0.00 |
| 59 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 60 | S | 4,6-Dinitro-2-methylphenol- | 0.077 | 0.073 | 5.2 | 114 | 0.00 |
| 61 | | 4,6-Dinitro-2-methylphenol | 0.083 | 0.081 | 2.4 | 116 | 0.00 |
| 62 | | N-Nitrosodiphenylamine | 0.625 | 0.624 | 0.2 | 107 | 0.00 |
| 63 | | 4-Bromophenyl-phenylether | 0.205 | 0.194 | 5.4 | 104 | 0.00 |
| 64 | | Hexachlorobenzene | 0.232 | 0.221 | 4.7 | 104 | 0.00 |
| 65 | | Atrazine | 0.201 | 0.198 | 1.5 | 105 | 0.00 |
| 66 | C | Pentachlorophenol | 0.098 | 0.084 | 14.3 | 103 | 0.00 |
| 67 | | Phenanthrene | 1.112 | 1.096 | 1.4 | 105 | 0.00 |
| 68 | S | Anthracene-d10 | 0.949 | 0.933 | 1.7 | 106 | 0.00 |
| 69 | | Anthracene | 1.135 | 1.125 | 0.9 | 104 | 0.00 |
| 70 | | 1,2,3,4-Tetrachlorobenzene | 0.254 | 0.241 | 5.1 | 103 | 0.00 |
| 71 | | Pentachlorobenzene | 0.249 | 0.237 | 4.8 | 103 | 0.00 |
| 72 | | Carbazole | 1.071 | 1.055 | 1.5 | 104 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.145 | 1.218 | -6.4 | 108 | 0.00 |
| 74 | C | Fluoranthene | 1.217 | 1.209 | 0.7 | 105 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 76 | S | Pyrene-d10 | 0.939 | 0.951 | -1.3 | 107 | 0.00 |
| 77 | | Pyrene | 1.217 | 1.242 | -2.1 | 106 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.476 | 0.486 | -2.1 | 103 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.274 | 0.259 | 5.5 | 97 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.112 | 1.111 | 0.1 | 103 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.625 | 0.653 | -4.5 | 105 | 0.00 |
| 82 | | Chrysene | 1.060 | 1.058 | 0.2 | 103 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.058 | 1.132 | -7.0 | 107 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.115 | 1.077 | 3.4 | 100 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.120 | 1.148 | -2.5 | 104 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.907 | 0.902 | 0.6 | 104 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.108 | 1.110 | -0.2 | 103 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.289 | 1.238 | 4.0 | 100 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.077 | 1.025 | 4.8 | 99 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 1.077 | 1.044 | 3.1 | 102 | 0.00 |

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