Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101518\
Data File : BG037330.D
Acq On : 15 Oct 2018 12:52
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 14:25:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 11 13:59:58 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 127 | 0.00 |
| 2 | | 1,4-Dioxane | 0.638 | 0.665 | -4.2 | 138 | 0.00 |
| 3 | | Pyridine | 1.515 | 1.666 | -10.0 | 134 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.588 | 0.581 | 1.2 | 126 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.136 | 1.208 | -6.3 | 133 | 0.00 |
| 6 | | Aniline | 2.258 | 2.387 | -5.7 | 133 | 0.00 |
| 7 | S | Phenol-d6 | 1.725 | 1.838 | -6.6 | 132 | 0.00 |
| 8 | | 2-Chlorophenol | 1.330 | 1.374 | -3.3 | 126 | 0.00 |
| 9 | | Benzaldehyde | 1.188 | 1.217 | -2.4 | 128 | 0.00 |
| 10 | C | Phenol | 1.817 | 1.927 | -6.1 | 131 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.484 | 1.555 | -4.8 | 133 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.564 | 1.702 | -8.8 | 140 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.583 | 1.694 | -7.0 | 137 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.534 | 1.624 | -5.9 | 136 | 0.00 |
| 15 | | Benzyl Alcohol | 1.349 | 1.362 | -1.0 | 123 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.934 | 2.739 | 6.6 | 118 | -0.02 |
| 17 | | 2-Methylphenol | 1.217 | 1.290 | -6.0 | 130 | 0.00 |
| 18 | | Hexachloroethane | 0.540 | 0.516 | 4.4 | 119 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.306 | 1.345 | -3.0 | 129 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.701 | 1.801 | -5.9 | 128 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 125 | -0.01 |
| 22 | | Acetophenone | 0.504 | 0.536 | -6.3 | 132 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.304 | 0.327 | -7.6 | 126 | 0.00 |
| 24 | | Nitrobenzene | 0.326 | 0.352 | -8.0 | 127 | -0.01 |
| 25 | | Isophorone | 0.694 | 0.717 | -3.3 | 127 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.116 | 0.101 | 12.9 | 110 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.290 | 0.294 | -1.4 | 125 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.434 | 0.461 | -6.2 | 130 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.295 | 0.328 | -11.2 | 129 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.359 | 0.383 | -6.7 | 135 | -0.01 |
| 31 | | Naphthalene | 0.972 | 1.040 | -7.0 | 134 | 0.00 |
| 32 | | Benzoic acid | 0.160 | 0.140 | 12.5 | 106 | 0.00 |
| 33 | | 4-Chloroaniline | 0.456 | 0.501 | -9.9 | 133 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.223 | 0.226 | -1.3 | 129 | -0.01 |
| 35 | | Caprolactam | 0.120 | 0.134 | -11.7 | 128 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.348 | 0.384 | -10.3 | 129 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.709 | 0.769 | -8.5 | 135 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.693 | 0.740 | -6.8 | 132 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 123 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.648 | 0.698 | -7.7 | 135 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.267 | 0.264 | 1.1 | 121 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.196 | 0.211 | -7.7 | 125 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.376 | 0.399 | -6.1 | 124 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.404 | 0.457 | -13.1 | 132 | -0.01 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.332 | 1.415 | -6.2 | 133 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.645 | 1.767 | -7.4 | 133 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.243 | 1.332 | -7.2 | 134 | 0.00 |
| 48 | | 2-Nitroaniline | 0.300 | 0.311 | -3.7 | 120 | 0.00 |
| 49 | | Acenaphthylene | 1.901 | 2.052 | -7.9 | 133 | 0.00 |
| 50 | | Dimethylphthalate | 1.572 | 1.671 | -6.3 | 128 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.284 | 0.318 | -12.0 | 133 | 0.00 |
| 52 | C | Acenaphthene | 1.174 | 1.283 | -9.3 | 135 | 0.00 |
| 53 | | 3-Nitroaniline | 0.329 | 0.384 | -16.7 | 139 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.079 | 0.075 | 5.1 | 121 | 0.00 |
| 55 | | Dibenzofuran | 1.905 | 2.039 | -7.0 | 133 | -0.01 |
| 56 | P | 4-Nitrophenol | 0.256 | 0.255 | 0.4 | 117 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.356 | 0.421 | -18.3 | 140 | 0.00 |
| 58 | | Fluorene | 1.441 | 1.544 | -7.1 | 133 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.358 | 0.388 | -8.4 | 123 | 0.00 |
| 60 | | Diethylphthalate | 1.629 | 1.713 | -5.2 | 126 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.842 | 0.902 | -7.1 | 132 | -0.01 |
| 62 | | 4-Nitroaniline | 0.345 | 0.403 | -16.8 | 139 | 0.00 |
| 63 | | Azobenzene | 1.562 | 1.614 | -3.3 | 128 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 125 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.056 | 0.060 | -7.1 | 129 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 0.587 | 0.638 | -8.7 | 133 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.216 | 0.231 | -6.9 | 131 | -0.01 |
| 68 | | Hexachlorobenzene | 0.224 | 0.242 | -8.0 | 134 | -0.01 |
| 69 | | Atrazine | 0.218 | 0.235 | -7.8 | 127 | 0.00 |
| 70 | C | Pentachlorophenol | 0.144 | 0.137 | 4.9 | 113 | 0.00 |
| 71 | | Phenanthrene | 1.018 | 1.064 | -4.5 | 130 | -0.01 |
| 72 | | Anthracene | 0.996 | 1.057 | -6.1 | 132 | 0.00 |
| 73 | | Carbazole | 1.027 | 1.080 | -5.2 | 130 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.100 | 1.155 | -5.0 | 122 | -0.01 |
| 75 | C | Fluoranthene | 1.190 | 1.224 | -2.9 | 126 | -0.01 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 119 | -0.01 |
| 77 | | Benzidine | 0.765 | 0.777 | -1.6 | 109 | -0.01 |
| 78 | | Pyrene | 1.303 | 1.406 | -7.9 | 127 | -0.01 |
| 79 | S | Terphenyl-d14 | 0.952 | 0.988 | -3.8 | 123 | -0.01 |
| 80 | | Butylbenzylphthalate | 0.507 | 0.506 | 0.2 | 114 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.198 | 1.274 | -6.3 | 126 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.462 | 0.496 | -7.4 | 122 | -0.02 |
| 83 | | Chrysene | 1.143 | 1.213 | -6.1 | 127 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.728 | 0.749 | -2.9 | 117 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 1.182 | 1.144 | 3.2 | 110 | -0.03 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.266 | 1.355 | -7.0 | 124 | -0.05 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 118 | -0.02 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.087 | 1.156 | -6.3 | 124 | -0.02 |
| 89 | Benzo(k)fluoranthene | 1.073 | 1.165 | -8.6 | 127 | -0.02 |
| 90 C | Benzo(a)pyrene | 1.043 | 1.124 | -7.8 | 125 | -0.02 |
| 91 | Dibenzo(a,h)anthracene | 0.998 | 1.055 | -5.7 | 123 | -0.04 |
| 92 | Benzo(g,h,i)perylene | 0.996 | 1.070 | -7.4 | 125 | -0.04 |

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