Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092017\
Data File : BG028824.D
Acq On : 20 Sep 2017 9:59
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Sep 21 01:20:58 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 2017
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 | 92 | 0.00 |
| 2 | | 1,4-Dioxane | 0.491 | 0.458 | 6.7 | 88 | 0.00 |
| 3 | | Pyridine | 1.400 | 1.364 | 2.6 | 86 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.637 | 0.627 | 1.6 | 88 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.212 | 1.237 | -2.1 | 89 | 0.00 |
| 6 | | Aniline | 2.124 | 2.122 | 0.1 | 87 | 0.00 |
| 7 | S | Phenol-d6 | 1.825 | 1.892 | -3.7 | 92 | 0.00 |
| 8 | | 2-Chlorophenol | 1.351 | 1.394 | -3.2 | 91 | 0.00 |
| 9 | | Benzaldehyde | 1.132 | 1.105 | 2.4 | 88 | 0.00 |
| 10 | C | Phenol | 1.926 | 2.032 | -5.5 | 93 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.383 | 1.370 | 0.9 | 90 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.455 | 1.510 | -3.8 | 94 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.496 | 1.572 | -5.1 | 92 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.478 | 1.516 | -2.6 | 93 | 0.00 |
| 15 | | Benzyl Alcohol | 1.425 | 1.442 | -1.2 | 89 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.513 | 2.366 | 5.8 | 84 | 0.00 |
| 17 | | 2-Methylphenol | 1.259 | 1.260 | -0.1 | 90 | 0.00 |
| 18 | | Hexachloroethane | 0.548 | 0.568 | -3.6 | 91 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.294 | 1.301 | -0.5 | 89 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.760 | 1.849 | -5.1 | 93 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 22 | | Acetophenone | 0.585 | 0.588 | -0.5 | 92 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.418 | 0.418 | 0.0 | 92 | 0.00 |
| 24 | | Nitrobenzene | 0.463 | 0.451 | 2.6 | 91 | 0.00 |
| 25 | | Isophorone | 0.846 | 0.848 | -0.2 | 93 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.197 | 0.200 | -1.5 | 94 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.360 | 0.367 | -1.9 | 93 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.459 | 0.450 | 2.0 | 90 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.358 | 0.366 | -2.2 | 94 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.409 | 0.411 | -0.5 | 93 | 0.00 |
| 31 | | Naphthalene | 1.045 | 1.068 | -2.2 | 94 | 0.00 |
| 32 | | Benzoic acid | 0.234 | 0.273 | -16.7 | 104 | 0.01 |
| 33 | | 4-Chloroaniline | 0.438 | 0.450 | -2.7 | 95 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.301 | 0.299 | 0.7 | 94 | 0.00 |
| 35 | | Caprolactam | 0.129 | 0.141 | -9.3 | 100 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.466 | 0.489 | -4.9 | 99 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.780 | 0.829 | -6.3 | 99 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.822 | 0.838 | -1.9 | 101 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.264 | 0.415 | -57.2# | 149 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.331 | 0.366 | -10.6 | 112 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.522 | 0.519 | 0.6 | 101 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.524 | 0.541 | -3.2 | 104 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.500 | 1.500 | 0.0 | 99 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.656 | 1.647 | 0.5 | 99 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.208 | 1.205 | 0.2 | 100 | 0.00 |
| 47 | | 2-Nitroaniline | 0.449 | 0.468 | -4.2 | 103 | 0.00 |
| 48 | | Acenaphthylene | 1.930 | 1.974 | -2.3 | 103 | 0.00 |
| 49 | | Dimethylphthalate | 1.677 | 1.730 | -3.2 | 104 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.373 | 0.405 | -8.6 | 108 | 0.00 |
| 51 | C | Acenaphthene | 1.172 | 1.190 | -1.5 | 102 | 0.00 |
| 52 | | 3-Nitroaniline | 0.330 | 0.357 | -8.2 | 107 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.159 | 0.158 | 0.6 | 95 | 0.00 |
| 54 | | Dibenzofuran | 1.869 | 1.979 | -5.9 | 106 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.242 | 0.289 | -19.4 | 114 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.525 | 0.579 | -10.3 | 107 | 0.00 |
| 57 | | Fluorene | 1.669 | 1.782 | -6.8 | 107 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.462 | 0.494 | -6.9 | 108 | 0.00 |
| 59 | | Diethylphthalate | 1.723 | 1.802 | -4.6 | 108 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.950 | 1.017 | -7.1 | 110 | 0.00 |
| 61 | | 4-Nitroaniline | 0.350 | 0.372 | -6.3 | 102 | 0.00 |
| 62 | | Azobenzene | 1.450 | 1.527 | -5.3 | 108 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.129 | 0.129 | 0.0 | 103 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.573 | 0.579 | -1.0 | 109 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.257 | 0.268 | -4.3 | 112 | 0.00 |
| 67 | | Hexachlorobenzene | 0.293 | 0.298 | -1.7 | 110 | 0.00 |
| 68 | | Atrazine | 0.246 | 0.256 | -4.1 | 109 | 0.00 |
| 69 | C | Pentachlorophenol | 0.132 | 0.123 | 6.8 | 96 | 0.00 |
| 70 | | Phenanthrene | 1.023 | 1.048 | -2.4 | 110 | 0.00 |
| 71 | | Anthracene | 1.033 | 1.066 | -3.2 | 110 | 0.00 |
| 72 | | Carbazole | 0.930 | 0.961 | -3.3 | 107 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.141 | 1.168 | -2.4 | 109 | 0.00 |
| 74 | C | Fluoranthene | 1.249 | 1.286 | -3.0 | 107 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 76 | | Benzidine | 0.519 | 0.162 | 68.8# | 31# | 0.00 |
| 77 | | Pyrene | 1.154 | 1.189 | -3.0 | 108 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.938 | 0.977 | -4.2 | 108 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.466 | 0.463 | 0.6 | 104 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.204 | 1.245 | -3.4 | 107 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.488 | 0.485 | 0.6 | 101 | 0.00 |
| 82 | | Chrysene | 1.142 | 1.176 | -3.0 | 106 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.662 | 0.671 | -1.4 | 103 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.157 | 1.173 | -1.4 | 103 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.468 | 1.482 | -1.0 | 105 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.198 | 1.240 | -3.5 | 108 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.197 | 1.221 | -2.0 | 105 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.137 | 1.175 | -3.3 | 106 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.186 | 1.192 | -0.5 | 103 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 1.157 | 1.159 | -0.2 | 104 | 0.02 |

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