Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042721\
Data File : BF123749.D
Acq On : 27 Apr 2021 16:27
Operator : JU/CG
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF042721

Quant Time: Apr 27 16:58:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 27 16:30:39 2021
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 | 96 | 0.00 |
| 2 | | 1,4-Dioxane | 0.680 | 0.668 | 1.8 | 96 | 0.00 |
| 3 | | Pyridine | 1.662 | 1.713 | -3.1 | 100 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.916 | 0.946 | -3.3 | 99 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.262 | 1.239 | 1.8 | 97 | 0.00 |
| 6 | | Aniline | 2.011 | 2.006 | 0.2 | 97 | 0.00 |
| 7 | S | Phenol-d6 | 1.739 | 1.697 | 2.4 | 98 | 0.00 |
| 8 | | 2-Chlorophenol | 1.358 | 1.343 | 1.1 | 97 | 0.00 |
| 9 | | Benzaldehyde | 0.842 | 0.821 | 2.5 | 100 | 0.00 |
| 10 | C | Phenol | 1.868 | 1.848 | 1.1 | 98 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.364 | 1.359 | 0.4 | 98 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.372 | 1.353 | 1.4 | 97 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.388 | 1.362 | 1.9 | 97 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.348 | 1.258 | 6.7 | 97 | 0.00 |
| 15 | | Benzyl Alcohol | 1.363 | 1.388 | -1.8 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.901 | 2.885 | 0.6 | 97 | 0.00 |
| 17 | | 2-Methylphenol | 1.157 | 1.144 | 1.1 | 97 | 0.00 |
| 18 | | Hexachloroethane | 0.549 | 0.558 | -1.6 | 98 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.074 | 1.073 | 0.1 | 99 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.473 | 1.396 | 5.2 | 100 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 22 | | Acetophenone | 0.544 | 0.522 | 4.0 | 98 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.443 | 0.441 | 0.5 | 98 | 0.00 |
| 24 | | Nitrobenzene | 0.461 | 0.454 | 1.5 | 97 | 0.00 |
| 25 | | Isophorone | 0.831 | 0.817 | 1.7 | 97 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.188 | 0.194 | -3.2 | 99 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.296 | 0.290 | 2.0 | 98 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.423 | 0.421 | 0.5 | 98 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.292 | 0.286 | 2.1 | 97 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.306 | 0.296 | 3.3 | 98 | 0.00 |
| 31 | | Naphthalene | 1.030 | 1.010 | 1.9 | 98 | 0.00 |
| 32 | | Benzoic acid | 0.186 | 0.190 | -2.2 | 101 | 0.00 |
| 33 | | 4-Chloroaniline | 0.430 | 0.427 | 0.7 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.186 | 0.183 | 1.6 | 95 | 0.00 |
| 35 | | Caprolactam | 0.102 | 0.102 | 0.0 | 97 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.364 | 0.363 | 0.3 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.671 | 0.659 | 1.8 | 98 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.631 | 0.615 | 2.5 | 98 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.589 | 0.572 | 2.9 | 97 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.233 | 0.249 | -6.9 | 99 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.249 | 0.247 | 0.8 | 98 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.405 | 0.408 | -0.7 | 97 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.435 | 0.426 | 2.1 | 95 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.373 | 1.302 | 5.2 | 98 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.639 | 1.585 | 3.3 | 98 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.235 | 1.202 | 2.7 | 97 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.544 | 0.546 | -0.4 | 99 | 0.00 |
| 49 | | Acenaphthylene | 1.994 | 1.941 | 2.7 | 97 | 0.00 |
| 50 | | Dimethylphthalate | 1.409 | 1.368 | 2.9 | 99 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.326 | 0.323 | 0.9 | 98 | 0.00 |
| 52 | C | Acenaphthene | 1.215 | 1.188 | 2.2 | 99 | 0.00 |
| 53 | | 3-Nitroaniline | 0.389 | 0.388 | 0.3 | 98 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.173 | 0.183 | -5.8 | 97 | 0.00 |
| 55 | | Dibenzofuran | 1.838 | 1.772 | 3.6 | 97 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.283 | 0.296 | -4.6 | 99 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.444 | 0.447 | -0.7 | 99 | 0.00 |
| 58 | | Fluorene | 1.412 | 1.356 | 4.0 | 97 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.344 | 0.346 | -0.6 | 97 | 0.00 |
| 60 | | Diethylphthalate | 1.499 | 1.471 | 1.9 | 99 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.658 | 0.632 | 4.0 | 98 | 0.00 |
| 62 | | 4-Nitroaniline | 0.385 | 0.389 | -1.0 | 99 | 0.00 |
| 63 | | Azobenzene | 1.724 | 1.685 | 2.3 | 97 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.124 | 0.132 | -6.5 | 100 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.654 | 0.631 | 3.5 | 97 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.211 | 0.203 | 3.8 | 97 | 0.00 |
| 68 | | Hexachlorobenzene | 0.240 | 0.233 | 2.9 | 100 | 0.00 |
| 69 | | Atrazine | 0.198 | 0.195 | 1.5 | 100 | 0.00 |
| 70 | C | Pentachlorophenol | 0.122 | 0.128 | -4.9 | 103 | 0.00 |
| 71 | | Phenanthrene | 1.049 | 1.012 | 3.5 | 99 | 0.00 |
| 72 | | Anthracene | 1.043 | 1.004 | 3.7 | 99 | 0.00 |
| 73 | | Carbazole | 1.054 | 1.033 | 2.0 | 101 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.184 | 1.157 | 2.3 | 98 | 0.00 |
| 75 | C | Fluoranthene | 1.144 | 1.101 | 3.8 | 98 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 77 | | Benzidine | 0.518 | 0.552 | -6.6 | 102 | 0.00 |
| 78 | | Pyrene | 1.552 | 1.468 | 5.4 | 100 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.039 | 0.975 | 6.2 | 101 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.663 | 0.656 | 1.1 | 102 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.212 | 1.177 | 2.9 | 104 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.372 | 0.366 | 1.6 | 103 | 0.00 |
| 83 | | Chrysene | 1.219 | 1.196 | 1.9 | 106 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.824 | 0.811 | 1.6 | 104 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.317 | 1.392 | -5.7 | 109 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.165 | 1.073 | 7.9 | 115 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.348 | 1.309 | 2.9 | 116 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.286 | 1.216 | 5.4 | 108 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.153 | 1.133 | 1.7 | 115 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 0.983 | 0.921 | 6.3 | 117 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 0.985 | 0.882 | 10.5 | 111 | 0.00 |

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