Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063021\
Data File : BF124492.D
Acq On : 30 Jun 2021 14:35
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Jun 30 14:59:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 29 12:49:33 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 | 94 | 0.01 |
| 2 | | 1,4-Dioxane | 0.547 | 0.534 | 2.4 | 89 | -0.02 |
| 3 | | Pyridine | 1.199 | 1.290 | -7.6 | 93 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.647 | 0.625 | 3.4 | 89 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.272 | 1.295 | -1.8 | 92 | 0.00 |
| 6 | | Aniline | 1.855 | 1.715 | 7.5 | 86 | 0.00 |
| 7 | S | Phenol-d6 | 1.660 | 1.653 | 0.4 | 90 | 0.01 |
| 8 | | 2-Chlorophenol | 1.413 | 1.384 | 2.1 | 91 | 0.01 |
| 9 | | Benzaldehyde | 0.773 | 0.827 | -7.0 | 93 | 0.00 |
| 10 | C | Phenol | 1.795 | 1.707 | 4.9 | 92 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.298 | 1.225 | 5.6 | 89 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.717 | 1.645 | 4.2 | 89 | 0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.741 | 1.696 | 2.6 | 92 | 0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.639 | 1.619 | 1.2 | 93 | 0.01 |
| 15 | | Benzyl Alcohol | 1.424 | 1.367 | 4.0 | 91 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.666 | 1.549 | 7.0 | 87 | 0.00 |
| 17 | | 2-Methylphenol | 1.131 | 1.122 | 0.8 | 94 | 0.00 |
| 18 | | Hexachloroethane | 0.634 | 0.627 | 1.1 | 91 | 0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.117 | 1.083 | 3.0 | 93 | 0.01 |
| 20 | | 3+4-Methylphenols | 1.476 | 1.463 | 0.9 | 91 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 22 | | Acetophenone | 0.557 | 0.537 | 3.6 | 91 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.482 | 0.451 | 6.4 | 90 | 0.00 |
| 24 | | Nitrobenzene | 0.482 | 0.439 | 8.9 | 93 | 0.01 |
| 25 | | Isophorone | 0.829 | 0.793 | 4.3 | 96 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.234 | 0.217 | 7.3 | 92 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.312 | 0.292 | 6.4 | 92 | 0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.420 | 0.401 | 4.5 | 93 | 0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.371 | 0.349 | 5.9 | 94 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.421 | 0.391 | 7.1 | 90 | 0.01 |
| 31 | | Naphthalene | 1.177 | 1.106 | 6.0 | 93 | 0.01 |
| 32 | | Benzoic acid | 0.162 | 0.135 | 16.7 | 79 | 0.00 |
| 33 | | 4-Chloroaniline | 0.442 | 0.407 | 7.9 | 89 | 0.01 |
| 34 | C | Hexachlorobutadiene | 0.281 | 0.255 | 9.3 | 93 | 0.01 |
| 35 | | Caprolactam | 0.097 | 0.097 | 0.0 | 95 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.375 | 0.346 | 7.7 | 93 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.833 | 0.799 | 4.1 | 94 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.774 | 0.757 | 2.2 | 97 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.719 | 0.709 | 1.4 | 95 | 0.01 |
| 41 | P | Hexachlorocyclopentadiene | 0.056 | 0.034# | 39.3# | 103 | 0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.239 | 0.245 | -2.5 | 101 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.451 | 0.426 | 5.5 | 95 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.476 | 0.471 | 1.1 | 97 | 0.01 |
| 45 | S | 2-Fluorobiphenyl | 1.633 | 1.614 | 1.2 | 97 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.700 | 1.684 | 0.9 | 96 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.390 | 1.367 | 1.7 | 100 | 0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.457 | 0.413 | 9.6 | 86 | 0.01 |
| 49 | | Acenaphthylene | 2.010 | 1.910 | 5.0 | 96 | 0.01 |
| 50 | | Dimethylphthalate | 1.577 | 1.554 | 1.5 | 99 | 0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.364 | 0.370 | -1.6 | 102 | 0.00 |
| 52 | C | Acenaphthene | 1.276 | 1.257 | 1.5 | 99 | 0.00 |
| 53 | | 3-Nitroaniline | 0.322 | 0.326 | -1.2 | 101 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.109 | 0.100 | 8.3 | 88 | 0.00 |
| 55 | | Dibenzofuran | 2.034 | 1.991 | 2.1 | 99 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.169 | 0.127 | 24.9 | 75 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.483 | 0.470 | 2.7 | 98 | 0.01 |
| 58 | | Fluorene | 1.563 | 1.533 | 1.9 | 100 | 0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.348 | 0.351 | -0.9 | 99 | 0.00 |
| 60 | | Diethylphthalate | 1.569 | 1.587 | -1.1 | 106 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.775 | 0.772 | 0.4 | 101 | 0.00 |
| 62 | | 4-Nitroaniline | 0.310 | 0.315 | -1.6 | 104 | 0.00 |
| 63 | | Azobenzene | 1.562 | 1.528 | 2.2 | 101 | 0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 102 | 0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.143 | 0.141 | 1.4 | 99 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.767 | 0.723 | 5.7 | 99 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.269 | 0.253 | 5.9 | 100 | 0.00 |
| 68 | | Hexachlorobenzene | 0.292 | 0.280 | 4.1 | 104 | 0.00 |
| 69 | | Atrazine | 0.198 | 0.215 | -8.6 | 104 | 0.00 |
| 70 | C | Pentachlorophenol | 0.061 | 0.060 | 1.6 | 98 | 0.00 |
| 71 | | Phenanthrene | 1.261 | 1.165 | 7.6 | 99 | 0.00 |
| 72 | | Anthracene | 1.256 | 1.172 | 6.7 | 98 | 0.00 |
| 73 | | Carbazole | 1.095 | 1.019 | 6.9 | 100 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.304 | 1.298 | 0.5 | 108 | 0.01 |
| 75 | C | Fluoranthene | 1.269 | 1.192 | 6.1 | 103 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 107 | 0.01 |
| 77 | | Benzidine | 0.401 | 0.512 | -27.7# | 139 | 0.01 |
| 78 | | Pyrene | 1.826 | 1.692 | 7.3 | 106 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.335 | 1.333 | 0.1 | 110 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.725 | 0.723 | 0.3 | 116 | 0.01 |
| 81 | | Benzo(a)anthracene | 1.442 | 1.355 | 6.0 | 106 | 0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.462 | 0.416 | 10.0 | 105 | 0.01 |
| 83 | | Chrysene | 1.429 | 1.316 | 7.9 | 105 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.971 | 0.981 | -1.0 | 115 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.513 | 1.559 | -3.0 | 117 | 0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 96 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.577 | 1.583 | -0.4 | 95 | 0.02 |
| 88 | | Benzo(b)fluoranthene | 1.516 | 1.540 | -1.6 | 103 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.387 | 1.408 | -1.5 | 106 | 0.01 |
| 90 | C | Benzo(a)pyrene | 1.347 | 1.314 | 2.4 | 101 | 0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.359 | 1.387 | -2.1 | 98 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.337 | 1.355 | -1.3 | 96 | 0.02 |

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(#) = Out of Range SPCC's out = 1 CCC's out = 0