Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028139.D
Acq On : 17 Dec 2020 12:36
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTDCCC040

Quant Time: Dec 17 13:53:34 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 16 01:58:38 2020
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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 73 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.106 | 9.7 | 74 | 0.00 |
| 3 | | Pyridine | 40.000 | 35.697 | 10.8 | 74 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.266 | 11.8 | 73 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 72.629 | 9.2 | 74 | 0.00 |
| 6 | | Aniline | 40.000 | 33.640 | 15.9 | 69 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 68.452 | 14.4 | 70 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 35.035 | 12.4 | 71 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 32.487 | 18.8 | 73 | 0.00 |
| 10 | C | Phenol | 40.000 | 34.311 | 14.2 | 71 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 33.621 | 15.9 | 69 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 35.523 | 11.2 | 72 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 35.397 | 11.5 | 72 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 34.767 | 13.1 | 71 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 33.033 | 17.4 | 68 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.467 | 16.3 | 69 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 33.563 | 16.1 | 68 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 35.728 | 10.7 | 71 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 32.105 | 19.7 | 66 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 33.462 | 16.3 | 69 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 68 | 0.00 |
| 22 | | Acetophenone | 40.000 | 34.435 | 13.9 | 67 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 71.353 | 10.8 | 68 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 35.338 | 11.7 | 68 | 0.00 |
| 25 | | Isophorone | 40.000 | 33.537 | 16.2 | 63 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 36.675 | 8.3 | 67 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 34.583 | 13.5 | 67 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 33.917 | 15.2 | 66 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 35.175 | 12.1 | 66 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 35.585 | 11.0 | 69 | 0.00 |
| 31 | | Naphthalene | 40.000 | 34.839 | 12.9 | 67 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 35.909 | 10.2 | 64 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 33.713 | 15.7 | 65 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 35.502 | 11.2 | 68 | 0.00 |
| 35 | | Caprolactam | 40.000 | 32.164 | 19.6 | 61 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 32.898 | 17.8 | 63 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 33.625 | 15.9 | 65 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 33.351 | 16.6 | 65 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 62 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.300 | 6.8 | 65 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.736 | 5.7 | 62 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 69.693 | 12.9 | 59 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 37.038 | 7.4 | 63 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 36.555 | 8.6 | 63 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 73.249 | 8.4 | 64 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 36.262 | 9.3 | 64 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 36.287 | 9.3 | 64 | 0.00 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 35.835 | 10.4 | 61 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 35.713 | 10.7 | 62 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 34.017 | 15.0 | 60 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 34.542 | 13.6 | 60 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 35.066 | 12.3 | 62 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 34.665 | 13.3 | 60 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 33.170 | 17.1 | 58 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 34.667 | 13.3 | 62 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 34.335 | 14.2 | 60 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 34.277 | 14.3 | 58 | 0.00 |
| 58 | | Fluorene | 40.000 | 34.407 | 14.0 | 61 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 34.854 | 12.9 | 60 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 33.374 | 16.6 | 58 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 34.281 | 14.3 | 61 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 34.288 | 14.3 | 59 | 0.00 |
| 63 | | Azobenzene | 40.000 | 34.634 | 13.4 | 60 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 59 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 33.710 | 15.7 | 56 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 35.939 | 10.2 | 60 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 35.935 | 10.2 | 59 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 35.771 | 10.6 | 60 | 0.00 |
| 69 | | Atrazine | 40.000 | 34.776 | 13.1 | 57 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 36.299 | 9.3 | 58 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 34.948 | 12.6 | 59 | 0.00 |
| 72 | | Anthracene | 40.000 | 35.350 | 11.6 | 59 | 0.00 |
| 73 | | Carbazole | 40.000 | 34.560 | 13.6 | 59 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 35.058 | 12.4 | 56 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 34.297 | 14.3 | 59 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 61 | 0.00 |
| 77 | | Benzidine | 40.000 | 45.515 | -13.8 | 66 | 0.00 |
| 78 | | Pyrene | 40.000 | 35.735 | 10.7 | 58 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 72.104 | 9.9 | 59 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 36.320 | 9.2 | 56 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 35.441 | 11.4 | 61 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 37.264 | 6.8 | 63 | 0.00 |
| 83 | | Chrysene | 40.000 | 35.398 | 11.5 | 61 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.699 | 8.3 | 57 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 37.410 | 6.5 | 59 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 67 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.546 | 3.6 | 74 | -0.01 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 35.453 | 11.4 | 67 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 33.994 | 15.0 | 63 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 35.727 | 10.7 | 67 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.540 | 3.7 | 73 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 39.382 | 1.5 | 75 | -0.01 |

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|---|---|---|---|---|---|

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