Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091621\
Data File : BP007016.D
Acq On : 17 Sep 2021 03:24
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**LabSampleId :** SSTDCCC040

Quant Time: Sep 17 04:01:31 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 16 15:16:52 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 113 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 37.269 | 6.8 | 115 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.709 | 3.2 | 115 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.975 | 2.6 | 118 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.057 | 3.7 | 115 | 0.00 |
| 6 | | Aniline | 40.000 | 38.008 | 5.0 | 112 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.095 | 4.9 | 113 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.797 | 5.5 | 112 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 42.425 | -6.1 | 116 | -0.01 |
| 10 | C | Phenol | 40.000 | 37.780 | 5.5 | 112 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.749 | 8.1 | 111 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.041 | 7.4 | 112 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.126 | 7.2 | 112 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.954 | 7.6 | 112 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 38.182 | 4.5 | 111 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.733 | 8.2 | 111 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 38.253 | 4.4 | 112 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 37.728 | 5.7 | 113 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.393 | 6.5 | 109 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.199 | 4.5 | 110 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 110 | -0.01 |
| 22 | | Acetophenone | 40.000 | 37.608 | 6.0 | 108 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.790 | 2.8 | 111 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.663 | 3.3 | 112 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.881 | 2.8 | 110 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.609 | -4.0 | 114 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.836 | 2.9 | 111 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.508 | 6.2 | 108 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.239 | 1.9 | 110 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.584 | 6.0 | 109 | -0.01 |
| 31 | | Naphthalene | 40.000 | 37.229 | 6.9 | 109 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 39.257 | 1.9 | 123 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 38.694 | 3.3 | 110 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.711 | 5.7 | 110 | -0.01 |
| 35 | | Caprolactam | 40.000 | 42.428 | -6.1 | 115 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.365 | 1.6 | 111 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.694 | 5.8 | 109 | -0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.643 | 5.9 | 109 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 110 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.309 | 6.7 | 108 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.448 | 3.9 | 107 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 80.939 | -1.2 | 112 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.637 | 0.9 | 110 | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.490 | 1.3 | 112 | -0.01 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 73.995 | 7.5 | 107 | -0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 37.040 | 7.4 | 108 | -0.01 |
| 47 | | 2-Chloronaphthalene | 40.000 | 37.384 | 6.5 | 109 | -0.01 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 41.767 | -4.4 | 114 | -0.01 |
| 49 | | Acenaphthylene | 40.000 | 38.718 | 3.2 | 110 | -0.01 |
| 50 | | Dimethylphthalate | 40.000 | 38.112 | 4.7 | 110 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.335 | -0.8 | 112 | -0.01 |
| 52 | C | Acenaphthene | 40.000 | 37.414 | 6.5 | 109 | -0.01 |
| 53 | | 3-Nitroaniline | 40.000 | 41.789 | -4.5 | 115 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 40.234 | -0.6 | 114 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 37.306 | 6.7 | 109 | -0.01 |
| 56 | P | 4-Nitrophenol | 40.000 | 43.138 | -7.8 | 114 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 42.221 | -5.6 | 114 | -0.01 |
| 58 | | Fluorene | 40.000 | 37.638 | 5.9 | 109 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.064 | 2.3 | 110 | -0.01 |
| 60 | | Diethylphthalate | 40.000 | 38.248 | 4.4 | 110 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 37.411 | 6.5 | 108 | -0.02 |
| 62 | | 4-Nitroaniline | 40.000 | 42.772 | -6.9 | 116 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.791 | 3.0 | 110 | -0.01 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 111 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.819 | 0.5 | 114 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 37.885 | 5.3 | 111 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 37.242 | 6.9 | 108 | -0.01 |
| 68 | | Hexachlorobenzene | 40.000 | 37.748 | 5.6 | 111 | -0.01 |
| 69 | | Atrazine | 40.000 | 41.638 | -4.1 | 113 | -0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 41.800 | -4.5 | 115 | -0.01 |
| 71 | | Phenanthrene | 40.000 | 37.468 | 6.3 | 111 | -0.02 |
| 72 | | Anthracene | 40.000 | 38.312 | 4.2 | 112 | -0.01 |
| 73 | | Carbazole | 40.000 | 38.884 | 2.8 | 113 | -0.01 |
| 74 | | Di-n-butylphthalate | 40.000 | 39.634 | 0.9 | 113 | -0.01 |
| 75 | C | Fluoranthene | 40.000 | 38.715 | 3.2 | 114 | -0.02 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 116 | -0.02 |
| 77 | | Benzidine | 40.000 | 38.022 | 4.9 | 108 | -0.01 |
| 78 | | Pyrene | 40.000 | 37.762 | 5.6 | 114 | -0.01 |
| 79 | S | Terphenyl-d14 | 80.000 | 74.900 | 6.4 | 111 | -0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.461 | -1.2 | 116 | -0.02 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.397 | 4.0 | 117 | -0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 41.440 | -3.6 | 119 | -0.01 |
| 83 | | Chrysene | 40.000 | 37.553 | 6.1 | 115 | -0.02 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.808 | 0.5 | 113 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 41.161 | -2.9 | 116 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 118 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.590 | 3.5 | 118 | -0.04 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.051 | 2.4 | 120 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 37.811 | 5.5 | 114 | -0.02 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.047 | 2.4 | 118 | -0.03 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.594 | 3.5 | 118 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 38.444 | 3.9 | 119 | -0.04 |

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