Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF080919\
Data File : BF116117.D
Acq On : 9 Aug 2019 17:28
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 10 04:44:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
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 | 128 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.796 | 3.0 | 127 | -0.02 |
| 3 | | Pyridine | 40.000 | 37.183 | 7.0 | 120 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.801 | 0.5 | 129 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.028 | -1.3 | 128 | 0.00 |
| 6 | | Aniline | 40.000 | 39.019 | 2.5 | 123 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 82.565 | -3.2 | 132 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.556 | -6.4 | 134 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.939 | 7.7 | 117 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.991 | 0.0 | 127 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 43.176 | -7.9 | 138 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.981 | -2.5 | 130 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.923 | -2.3 | 129 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.153 | -0.4 | 124 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.935 | 0.2 | 124 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.412 | -3.5 | 130 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.922 | -4.8 | 135 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 42.087 | -5.2 | 132 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.023 | -2.6 | 132 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.889 | -2.2 | 127 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 131 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.151 | -0.4 | 130 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.039 | -1.3 | 131 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.277 | -3.2 | 134 | 0.00 |
| 25 | | Isophorone | 40.000 | 42.627 | -6.6 | 139 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.813 | -12.0 | 144 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.060 | -0.2 | 129 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.310 | -5.8 | 138 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.245 | -5.6 | 134 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.189 | -3.0 | 132 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.767 | -1.9 | 130 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.369 | -3.4 | 147 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.502 | 1.2 | 127 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.368 | -3.4 | 133 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.967 | -2.4 | 132 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.792 | -7.0 | 139 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.578 | -1.4 | 130 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 40.906 | -2.3 | 131 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 129 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.292 | -3.2 | 131 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 40.190 | -0.5 | 132 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 81.356 | -1.7 | 129 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.552 | 1.1 | 126 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.503 | -1.3 | 129 | 0.00 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.574 | 1.8 | 123 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.693 | -1.7 | 129 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.315 | -0.8 | 128 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 40.508 | -1.3 | 130 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.589 | 1.0 | 125 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 41.678 | -4.2 | 133 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.664 | -4.2 | 132 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.913 | 0.2 | 125 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 39.731 | 0.7 | 127 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 38.359 | 4.1 | 127 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.401 | 4.0 | 120 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 34.236 | 14.4 | 108 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.349 | 4.1 | 120 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.562 | -1.4 | 128 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.657 | 0.9 | 127 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 41.471 | -3.7 | 131 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.809 | -2.0 | 127 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 39.741 | 0.6 | 126 | 0.00 |
| 63 | | Azobenzene | 40.000 | 41.268 | -3.2 | 130 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 124 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.534 | -13.8 | 137 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.632 | -4.1 | 128 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.691 | -6.7 | 130 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 41.444 | -3.6 | 127 | 0.00 |
| 69 | | Atrazine | 40.000 | 32.910 | 17.7 | 101 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 35.783 | 10.5 | 107 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.387 | -1.0 | 123 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.651 | -1.6 | 125 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.872 | -4.7 | 127 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 43.023 | -7.6 | 128 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 40.630 | -1.6 | 125 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 77 | | Benzidine | 40.000 | 44.229 | -10.6 | 113 | 0.00 |
| 78 | | Pyrene | 40.000 | 43.742 | -9.4 | 122 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 86.443 | -8.1 | 120 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 47.129 | -17.8 | 127 | -0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 43.489 | -8.7 | 118 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.631 | -11.6 | 119 | 0.00 |
| 83 | | Chrysene | 40.000 | 42.951 | -7.4 | 117 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 48.098 | -20.2 | 129 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 45.292 | -13.2 | 119 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.588 | -4.0 | 119 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.889 | -2.2 | 104 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 41.851 | -4.6 | 115 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.585 | -4.0 | 110 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 43.310 | -8.3 | 119 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 44.980 | -12.4 | 127 | 0.00 |

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