# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF061020\
Data File : BF120594.D
Acq On : 10 Jun 2020 17:56
Operator : JU/CG
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF061020

Quant Time: Jun 10 18:38:49 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 18:10:18 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 | 124 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.238 | -0.6 | 110 | 0.01 |
| 3 | | Pyridine | 40.000 | 40.613 | -1.5 | 110 | 0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.698 | -1.7 | 110 | 0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.274 | -2.8 | 116 | 0.00 |
| 6 | | Aniline | 40.000 | 44.165 | -10.4 | 115 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 86.404 | -8.0 | 114 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.339 | -5.8 | 115 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 43.607 | -9.0 | 117 | 0.00 |
| 10 | C | Phenol | 40.000 | 43.521 | -8.8 | 114 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.559 | -6.4 | 116 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 43.071 | -7.7 | 118 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 43.382 | -8.5 | 125 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.746 | -4.4 | 116 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 43.825 | -9.6 | 119 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 45.349 | -13.4 | 127 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 44.320 | -10.8 | 132 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 44.241 | -10.6 | 125 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.657 | -6.6 | 121 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.664 | 0.8 | 117 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 121 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.092 | -0.2 | 119 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.045 | -2.6 | 120 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.542 | -3.9 | 128 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.045 | -2.6 | 120 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.457 | -3.6 | 117 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.108 | -2.8 | 117 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 44.067 | -10.2 | 118 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.362 | -5.9 | 113 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.775 | -6.9 | 115 | 0.00 |
| 31 | | Naphthalene | 40.000 | 43.542 | -8.9 | 121 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 43.350 | -8.4 | 115 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 42.603 | -6.5 | 122 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 44.783 | -12.0 | 132 | 0.00 |
| 35 | | Caprolactam | 40.000 | 42.235 | -5.6 | 130 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.902 | -9.8 | 131 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 43.421 | -8.6 | 128 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 44.730 | -11.8 | 130 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 127 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 44.571 | -11.4 | 129 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 46.234 | -15.6 | 135 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 87.781 | -9.7 | 126 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.805 | -9.5 | 128 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 44.018 | -10.0 | 128 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 80.615 | -0.8 | 126 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 44.402 | -11.0 | 128 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 44.420 | -11.1 | 129 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 45.642 | -14.1 | 134 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 43.661 | -9.2 | 125 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 44.491 | -11.2 | 131 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.400 | -8.5 | 126 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 43.153 | -7.9 | 124 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 43.592 | -9.0 | 129 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 42.761 | -6.9 | 136 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 43.819 | -9.5 | 127 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 42.544 | -6.4 | 126 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 43.767 | -9.4 | 127 | 0.00 |
| 58 | | Fluorene | 40.000 | 42.210 | -5.5 | 126 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.908 | -9.8 | 128 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 43.637 | -9.1 | 126 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 42.339 | -5.8 | 125 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 43.334 | -8.3 | 126 | 0.00 |
| 63 | | Azobenzene | 40.000 | 45.969 | -14.9 | 132 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 123 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.089 | -12.7 | 128 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 44.516 | -11.3 | 128 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 43.916 | -9.8 | 123 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 43.312 | -8.3 | 124 | 0.00 |
| 69 | | Atrazine | 40.000 | 44.189 | -10.5 | 127 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 45.194 | -13.0 | 125 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 42.752 | -6.9 | 121 | 0.00 |
| 72 | | Anthracene | 40.000 | 43.409 | -8.5 | 122 | 0.00 |
| 73 | | Carbazole | 40.000 | 42.030 | -5.1 | 119 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 45.351 | -13.4 | 127 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 42.329 | -5.8 | 113 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 77 | | Benzidine | 40.000 | 40.150 | -0.4 | 91 | 0.00 |
| 78 | | Pyrene | 40.000 | 43.045 | -7.6 | 100 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 84.311 | -5.4 | 102 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 44.116 | -10.3 | 104 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 42.955 | -7.4 | 104 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 43.772 | -9.4 | 105 | 0.00 |
| 83 | | Chrysene | 40.000 | 43.163 | -7.9 | 103 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 45.765 | -14.4 | 110 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 44.271 | -10.7 | 102 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 96 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 43.315 | -8.3 | 98 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 45.094 | -12.7 | 111 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 40.896 | -2.2 | 88 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 43.197 | -8.0 | 95 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 43.797 | -9.5 | 99 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 43.033 | -7.6 | 98 | 0.00 |

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