

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050421\  
 Data File : BF123803.D  
 Acq On : 4 May 2021 12:13  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 04 12:58:35 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 04 12:58:27 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  | 91    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 40.501 | -1.3 | 94    | -0.01    |
| 3    | Pyridine                    | 40.000 | 41.453 | -3.6 | 95    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 41.579 | -3.9 | 94    | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 80.618 | -0.8 | 94    | 0.00     |
| 6    | Aniline                     | 40.000 | 39.937 | 0.2  | 92    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 79.365 | 0.8  | 94    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.307 | -0.8 | 93    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 38.134 | 4.7  | 92    | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.993 | 0.0  | 93    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.752 | 0.6  | 92    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.525 | 1.2  | 92    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.300 | 1.8  | 92    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.678 | 5.8  | 93    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.236 | -0.6 | 92    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.201 | 2.0  | 90    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 41.323 | -3.3 | 96    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.563 | 1.1  | 90    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 38.925 | 2.7  | 91    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 38.703 | 3.2  | 96    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 91    | -0.01    |
| 22   | Acetophenone                | 40.000 | 39.156 | 2.1  | 93    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 79.263 | 0.9  | 92    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.869 | 0.3  | 92    | -0.01    |
| 25   | Isophorone                  | 40.000 | 39.666 | 0.8  | 92    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 40.474 | -1.2 | 91    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.112 | -0.3 | 94    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.197 | 2.0  | 90    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.935 | 0.2  | 93    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.391 | 1.5  | 93    | -0.01    |
| 31   | Naphthalene                 | 40.000 | 39.410 | 1.5  | 92    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 35.809 | 10.5 | 86    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 40.075 | -0.2 | 93    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.071 | 2.3  | 89    | -0.01    |
| 35   | Caprolactam                 | 40.000 | 41.589 | -4.0 | 94    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 40.696 | -1.7 | 92    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.218 | 2.0  | 92    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.492 | 1.3  | 93    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 93    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 38.442 | 3.9  | 91    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 37.276 | 6.8  | 86    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 79.331 | 0.8  | 93    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.142 | -0.4 | 92    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.017 | -0.0 | 93    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 75.052 | 6.2  | 92    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 38.098 | 4.8  | 92    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 38.963 | 2.6  | 92    | 0.00     |

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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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 39.622 | 0.9   | 93    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.254 | 1.9   | 93    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.626 | 3.4   | 93    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.040 | -0.1  | 94    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.107 | 2.2   | 94    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.291 | -0.7  | 94    | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 42.395 | -6.0  | 93    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.404 | 4.0   | 91    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 41.427 | -3.6  | 93    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.656 | 0.9   | 93    | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.561 | 3.6   | 93    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.418 | -1.0  | 93    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.486 | 3.8   | 92    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.329 | 4.2   | 93    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.913 | 0.2   | 93    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.806 | 5.5   | 89    | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 91    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 43.421 | -8.6  | 94    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.384 | 1.5   | 92    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.439 | 1.4   | 91    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.030 | 2.4   | 93    | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.288 | 4.3   | 89    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.775 | -4.4  | 95    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.087 | 2.3   | 93    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.021 | 2.4   | 93    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.032 | 2.4   | 93    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.323 | 4.2   | 89    | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 38.312 | 4.2   | 90    | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 85    | -0.01    |
| 77   | Benzydine                  | 40.000 | 35.418 | 11.5  | 69    | -0.01    |
| 78   | Pyrene                     | 40.000 | 42.230 | -5.6  | 92    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 82.160 | -2.7  | 90    | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 40.473 | -1.2  | 85    | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 38.437 | 3.9   | 84    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.609 | -1.5  | 87    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.923 | 2.7   | 86    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.740 | 3.1   | 83    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 38.385 | 4.0   | 81    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 88    | -0.01    |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 45.239 | -13.1 | 108   | -0.01    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.021 | -0.1  | 91    | -0.01    |
| 89   | Benzo(k)fluoranthene       | 40.000 | 36.323 | 9.2   | 79    | -0.01    |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.135 | -0.3  | 89    | -0.01    |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 45.148 | -12.9 | 108   | -0.01    |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 46.257 | -15.6 | 109   | -0.01    |

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| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

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