

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042321\  
 Data File : BF123693.D  
 Acq On : 23 Apr 2021 13:45  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 23 14:41:49 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF041521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 23 10:48:36 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    | 111   | 0.01     |
| 2    | 1,4-Dioxane                 | 40.000 | 42.335 | -5.8   | 122   | 0.02     |
| 3    | Pyridine                    | 40.000 | 43.404 | -8.5   | 121   | 0.02     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 40.675 | -1.7   | 115   | 0.03     |
| 5 S  | 2-Fluorophenol              | 80.000 | 79.637 | 0.5    | 113   | 0.01     |
| 6    | Aniline                     | 40.000 | 38.872 | 2.8    | 110   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 79.582 | 0.5    | 114   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.860 | 0.4    | 113   | 0.01     |
| 9    | Benzaldehyde                | 40.000 | 33.108 | 17.2   | 108   | 0.01     |
| 10 C | Phenol                      | 40.000 | 39.830 | 0.4    | 111   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.294 | 4.3    | 108   | 0.01     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.840 | 2.9    | 111   | 0.01     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.542 | 3.6    | 109   | 0.01     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.299 | 4.3    | 110   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.272 | -0.7   | 110   | 0.01     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.870 | 10.3   | 101   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 39.356 | 1.6    | 111   | 0.01     |
| 18   | Hexachloroethane            | 40.000 | 38.365 | 4.1    | 108   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 35.697 | 10.8   | 102   | 0.01     |
| 20   | 3+4-Methylphenols           | 40.000 | 37.554 | 6.1    | 107   | 0.01     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 107   | 0.00     |
| 22   | Acetophenone                | 40.000 | 37.998 | 5.0    | 103   | 0.01     |
| 23 S | Nitrobenzene-d5             | 80.000 | 81.655 | -2.1   | 109   | 0.01     |
| 24   | Nitrobenzene                | 40.000 | 39.962 | 0.1    | 107   | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.693 | 5.8    | 102   | 0.01     |
| 26 C | 2-Nitrophenol               | 40.000 | 48.969 | -22.4# | 122   | 0.01     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.114 | -2.8   | 111   | 0.01     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.464 | 3.8    | 105   | 0.01     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.917 | -2.3   | 109   | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.995 | 2.5    | 105   | 0.01     |
| 31   | Naphthalene                 | 40.000 | 39.417 | 1.5    | 107   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 38.868 | 2.8    | 99    | 0.01     |
| 33   | 4-Chloroaniline             | 40.000 | 39.039 | 2.4    | 104   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 38.193 | 4.5    | 102   | 0.01     |
| 35   | Caprolactam                 | 40.000 | 40.454 | -1.1   | 106   | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.868 | 2.8    | 104   | 0.01     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.503 | 3.7    | 105   | 0.01     |
| 38   | 1-Methylnaphthalene         | 40.000 | 38.140 | 4.6    | 103   | 0.01     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 99    | 0.02     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 42.517 | -6.3   | 105   | 0.01     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 32.453 | 18.9   | 75    | 0.01     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 85.669 | -7.1   | 101   | 0.02     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 43.216 | -8.0   | 102   | 0.01     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 42.086 | -5.2   | 102   | 0.01     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 78.250 | 2.2    | 98    | 0.01     |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.671 | -1.7   | 101   | 0.01     |
| 47   | 2-Chloronaphthalene         | 40.000 | 41.036 | -2.6   | 101   | 0.01     |

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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 | 44.692 | -11.7  | 104   | 0.01     |
| 49   | Acenaphthylene             | 40.000 | 41.351 | -3.4   | 102   | 0.01     |
| 50   | Dimethylphthalate          | 40.000 | 38.767 | 3.1    | 96    | 0.01     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.369 | -5.9   | 100   | 0.02     |
| 52 C | Acenaphthene               | 40.000 | 41.956 | -4.9   | 103   | 0.01     |
| 53   | 3-Nitroaniline             | 40.000 | 44.226 | -10.6  | 106   | 0.02     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 50.985 | -27.5# | 112   | 0.01     |
| 55   | Dibenzofuran               | 40.000 | 40.141 | -0.4   | 99    | 0.02     |
| 56 P | 4-Nitrophenol              | 40.000 | 44.801 | -12.0  | 104   | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 43.277 | -8.2   | 99    | 0.01     |
| 58   | Fluorene                   | 40.000 | 38.969 | 2.6    | 98    | 0.02     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.552 | -6.4   | 102   | 0.02     |
| 60   | Diethylphthalate           | 40.000 | 37.185 | 7.0    | 90    | 0.01     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.948 | 5.1    | 95    | 0.01     |
| 62   | 4-Nitroaniline             | 40.000 | 42.985 | -7.5   | 103   | 0.02     |
| 63   | Azobenzene                 | 40.000 | 37.700 | 5.7    | 93    | 0.02     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 96    | 0.01     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 50.279 | -25.7# | 118   | 0.02     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.899 | 0.3    | 97    | 0.02     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.227 | 1.9    | 96    | 0.02     |
| 68   | Hexachlorobenzene          | 40.000 | 40.263 | -0.7   | 96    | 0.02     |
| 69   | Atrazine                   | 40.000 | 38.238 | 4.4    | 91    | 0.02     |
| 70 C | Pentachlorophenol          | 40.000 | 41.535 | -3.8   | 90    | 0.02     |
| 71   | Phenanthrene               | 40.000 | 39.613 | 1.0    | 98    | 0.02     |
| 72   | Anthracene                 | 40.000 | 39.702 | 0.7    | 98    | 0.02     |
| 73   | Carbazole                  | 40.000 | 40.331 | -0.8   | 99    | 0.02     |
| 74   | Di-n-butylphthalate        | 40.000 | 34.989 | 12.5   | 84    | 0.02     |
| 75 C | Fluoranthene               | 40.000 | 38.666 | 3.3    | 95    | 0.02     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 87    | 0.02     |
| 77   | Benzidine                  | 40.000 | 45.829 | -14.6  | 81    | 0.02     |
| 78   | Pyrene                     | 40.000 | 45.240 | -13.1  | 95    | 0.02     |
| 79 S | Terphenyl-d14              | 80.000 | 82.682 | -3.4   | 89    | 0.02     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.723 | 0.7    | 86    | 0.02     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.925 | 2.7    | 87    | 0.02     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.798 | 0.5    | 89    | 0.02     |
| 83   | Chrysene                   | 40.000 | 39.007 | 2.5    | 87    | 0.02     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 34.262 | 14.3   | 74    | 0.02     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 31.627 | 20.9#  | 69    | 0.02     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 83    | 0.04     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 50.079 | -25.2# | 108   | 0.05     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 36.271 | 9.3    | 80    | 0.03     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.999 | 0.0    | 79    | 0.03     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.630 | -1.6   | 83    | 0.03     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 48.317 | -20.8  | 104   | 0.05     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 52.037 | -30.1# | 116   | 0.06     |

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

(#) = Out of Range                      SPCC's out = 0    CCC's out = 2