

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050422\  
 Data File : BF128061.D  
 Acq On : 04 May 2022 09:59  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 05 05:59:52 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 04 04:23:29 2022  
 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    | 73    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.079 | 2.3    | 70    | 0.02     |
| 3    | Pyridine                    | 40.000 | 41.026 | -2.6   | 71    | 0.02     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 42.825 | -7.1   | 76    | 0.02     |
| 5 S  | 2-Fluorophenol              | 80.000 | 79.904 | 0.1    | 73    | 0.00     |
| 6    | Aniline                     | 40.000 | 41.607 | -4.0   | 73    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 82.777 | -3.5   | 75    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.909 | -2.3   | 73    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 35.878 | 10.3   | 74    | 0.00     |
| 10 C | Phenol                      | 40.000 | 41.574 | -3.9   | 75    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 40.806 | -2.0   | 74    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.018 | -0.0   | 73    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.107 | -0.3   | 73    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.234 | -0.6   | 74    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 50.975 | -27.4# | 86    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.647 | -1.6   | 72    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 40.353 | -0.9   | 70    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 42.165 | -5.4   | 76    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 42.646 | -6.6   | 77    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.356 | -3.4   | 73    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 72    | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.123 | -2.8   | 75    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 88.140 | -10.2  | 78    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 43.209 | -8.0   | 76    | 0.00     |
| 25   | Isophorone                  | 40.000 | 42.550 | -6.4   | 75    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 45.294 | -13.2  | 77    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.813 | -2.0   | 70    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.952 | -4.9   | 75    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 41.433 | -3.6   | 73    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 41.637 | -4.1   | 75    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 40.577 | -1.4   | 73    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 39.409 | 1.5    | 64    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 41.220 | -3.0   | 72    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 44.595 | -11.5  | 80    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.562 | 1.1    | 67    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.926 | -7.3   | 75    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 41.089 | -2.7   | 74    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 40.874 | -2.2   | 74    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 72    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 42.775 | -6.9   | 77    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 40.985 | -2.5   | 69    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 90.170 | -12.7  | 81    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 42.652 | -6.6   | 75    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 41.770 | -4.4   | 72    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 89.911 | -12.4  | 79    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.944 | -4.9   | 75    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.799 | -2.0   | 73    | 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 | 44.479 | -11.2  | 76    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.896 | -2.2   | 73    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 41.246 | -3.1   | 73    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.606 | -4.0   | 71    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.171 | -2.9   | 73    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 38.976 | 2.6    | 66    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 44.099 | -10.2  | 72    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.348 | -0.9   | 72    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 35.732 | 10.7   | 59    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.811 | -2.0   | 69    | 0.00     |
| 58   | Fluorene                   | 40.000 | 41.800 | -4.5   | 76    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.856 | -2.1   | 71    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 41.345 | -3.4   | 73    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.316 | -5.8   | 77    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 38.184 | 4.5    | 65    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 41.293 | -3.2   | 73    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 68    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 48.131 | -20.3  | 72    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.966 | -4.9   | 72    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 43.559 | -8.9   | 74    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 43.957 | -9.9   | 75    | 0.00     |
| 69   | Atrazine                   | 40.000 | 41.394 | -3.5   | 71    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 38.367 | 4.1    | 61    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.804 | -2.0   | 70    | 0.00     |
| 72   | Anthracene                 | 40.000 | 41.308 | -3.3   | 71    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.595 | 1.0    | 68    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 42.118 | -5.3   | 71    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.606 | 1.0    | 68    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 66    | 0.00     |
| 77   | Benzidine                  | 40.000 | 50.551 | -26.4# | 77    | 0.00     |
| 78   | Pyrene                     | 40.000 | 41.328 | -3.3   | 68    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 87.412 | -9.3   | 74    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 44.778 | -11.9  | 71    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.742 | -4.4   | 68    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.139 | 2.2    | 64    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.130 | -0.3   | 66    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 45.223 | -13.1  | 72    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 45.075 | -12.7  | 71    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 65    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.863 | -4.7   | 64    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 44.129 | -10.3  | 71    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 38.877 | 2.8    | 60    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 41.855 | -4.6   | 65    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 42.667 | -6.7   | 65    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 41.066 | -2.7   | 62    | 0.00     |

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
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(#) = Out of Range                      SPCC's out = 0    CCC's out = 0