

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052225\  
 Data File : BP024753.D  
 Acq On : 22 May 2025 10:56  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 22 11:19:57 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP051325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 13 16:21:39 2025  
 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  | 86    | -0.01    |
| 2    | 1,4-Dioxane                 | 40.000 | 33.474 | 16.3 | 78    | 0.00     |
| 3    | Pyridine                    | 40.000 | 36.327 | 9.2  | 79    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.278 | 6.8  | 83    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 77.648 | 2.9  | 88    | 0.00     |
| 6    | Aniline                     | 40.000 | 37.090 | 7.3  | 80    | -0.01    |
| 7 S  | Phenol-d6                   | 80.000 | 75.441 | 5.7  | 82    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.853 | 0.4  | 87    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 35.852 | 10.4 | 78    | -0.01    |
| 10 C | Phenol                      | 40.000 | 38.210 | 4.5  | 84    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 34.972 | 12.6 | 78    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.064 | 4.8  | 87    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.872 | 2.8  | 87    | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.809 | 5.5  | 85    | -0.01    |
| 15   | Benzyl Alcohol              | 40.000 | 38.523 | 3.7  | 82    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.627 | 13.4 | 77    | -0.01    |
| 17   | 2-Methylphenol              | 40.000 | 37.493 | 6.3  | 81    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 36.686 | 8.3  | 84    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 34.709 | 13.2 | 73    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 37.221 | 6.9  | 79    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 79    | -0.01    |
| 22   | Acetophenone                | 40.000 | 37.559 | 6.1  | 76    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 74.407 | 7.0  | 76    | -0.01    |
| 24   | Nitrobenzene                | 40.000 | 36.463 | 8.8  | 74    | -0.01    |
| 25   | Isophorone                  | 40.000 | 35.361 | 11.6 | 71    | -0.01    |
| 26 C | 2-Nitrophenol               | 40.000 | 41.704 | -4.3 | 81    | -0.02    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.480 | 3.8  | 76    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 35.006 | 12.5 | 71    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.525 | 1.2  | 78    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.402 | 1.5  | 83    | -0.01    |
| 31   | Naphthalene                 | 40.000 | 38.135 | 4.7  | 79    | -0.01    |
| 32   | Benzoic acid                | 40.000 | 38.852 | 2.9  | 80    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.283 | 1.8  | 77    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.848 | 0.4  | 84    | -0.01    |
| 35   | Caprolactam                 | 40.000 | 37.940 | 5.2  | 72    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 37.828 | 5.4  | 74    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 36.728 | 8.2  | 76    | -0.01    |
| 38   | 1-Methylnaphthalene         | 40.000 | 35.575 | 11.1 | 73    | -0.01    |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 71    | -0.02    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.982 | 0.0  | 75    | -0.01    |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 40.752 | -1.9 | 72    | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 85.966 | -7.5 | 81    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.962 | -2.4 | 74    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 39.385 | 1.5  | 73    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 78.711 | 1.6  | 75    | -0.01    |
| 46   | 1,1'-Biphenyl               | 40.000 | 38.890 | 2.8  | 74    | -0.01    |
| 47   | 2-Chloronaphthalene         | 40.000 | 38.831 | 2.9  | 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 | 37.387 | 6.5  | 67    | -0.01    |
| 49   | Acenaphthylene             | 40.000 | 38.561 | 3.6  | 72    | -0.02    |
| 50   | Dimethylphthalate          | 40.000 | 37.315 | 6.7  | 70    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 38.326 | 4.2  | 71    | -0.02    |
| 52 C | Acenaphthene               | 40.000 | 38.899 | 2.8  | 73    | -0.02    |
| 53   | 3-Nitroaniline             | 40.000 | 39.839 | 0.4  | 69    | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 38.598 | 3.5  | 74    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.494 | 3.8  | 73    | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 43.899 | -9.7 | 83    | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.393 | -1.0 | 72    | -0.02    |
| 58   | Fluorene                   | 40.000 | 38.724 | 3.2  | 73    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.304 | 1.7  | 72    | -0.01    |
| 60   | Diethylphthalate           | 40.000 | 37.552 | 6.1  | 72    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.753 | 3.1  | 74    | -0.02    |
| 62   | 4-Nitroaniline             | 40.000 | 42.328 | -5.8 | 73    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 35.788 | 10.5 | 67    | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 72    | -0.02    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.689 | -1.7 | 73    | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.716 | 3.2  | 72    | -0.02    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.197 | -0.5 | 75    | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 40.264 | -0.7 | 77    | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.157 | -0.4 | 75    | -0.02    |
| 70 C | Pentachlorophenol          | 40.000 | 43.610 | -9.0 | 77    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 37.997 | 5.0  | 72    | -0.01    |
| 72   | Anthracene                 | 40.000 | 39.094 | 2.3  | 73    | -0.01    |
| 73   | Carbazole                  | 40.000 | 39.626 | 0.9  | 72    | -0.01    |
| 74   | Di-n-butylphthalate        | 40.000 | 39.153 | 2.1  | 73    | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 39.094 | 2.3  | 73    | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 76    | 0.00     |
| 77   | Benzydine                  | 40.000 | 38.276 | 4.3  | 71    | 0.00     |
| 78   | Pyrene                     | 40.000 | 37.187 | 7.0  | 73    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 76.121 | 4.8  | 75    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.107 | 2.2  | 75    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.104 | 4.7  | 75    | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 43.059 | -7.6 | 80    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.035 | 4.9  | 76    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.235 | 1.9  | 76    | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.340 | -3.4 | 78    | -0.02    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 82    | -0.01    |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.189 | -0.5 | 84    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 38.089 | 4.8  | 81    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 36.568 | 8.6  | 77    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.510 | 3.7  | 81    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 40.320 | -0.8 | 84    | -0.01    |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.791 | 0.5  | 84    | 0.02     |

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|----------|--------|-------|------|-------|----------|

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