

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050725\  
 Data File : BP024558.D  
 Acq On : 07 May 2025 10:08  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 07 12:26:24 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 18 12:04:48 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                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 86    | -0.02    |
| 2    | 1,4-Dioxane                 | 0.512 | 0.456 | 10.9  | 77    | 0.00     |
| 3    | Pyridine                    | 1.351 | 1.124 | 16.8  | 69    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.448 | 0.485 | -8.3  | 92    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.210 | 1.172 | 3.1   | 81    | -0.02    |
| 6    | Aniline                     | 1.480 | 1.300 | 12.2  | 71    | -0.02    |
| 7 S  | Phenol-d6                   | 1.656 | 1.539 | 7.1   | 76    | -0.02    |
| 8    | 2-Chlorophenol              | 1.350 | 1.297 | 3.9   | 80    | -0.02    |
| 9    | Benzaldehyde                | 0.819 | 0.820 | -0.1  | 85    | -0.02    |
| 10 C | Phenol                      | 1.661 | 1.533 | 7.7   | 76    | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.339 | 1.185 | 11.5  | 73    | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.454 | 1.385 | 4.7   | 80    | -0.02    |
| 13 C | 1,4-Dichlorobenzene         | 1.475 | 1.405 | 4.7   | 81    | -0.02    |
| 14   | 1,2-Dichlorobenzene         | 1.424 | 1.353 | 5.0   | 81    | -0.02    |
| 15   | Benzyl Alcohol              | 1.071 | 1.089 | -1.7  | 81    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.447 | 1.308 | 9.6   | 75    | -0.03    |
| 17   | 2-Methylphenol              | 1.075 | 1.034 | 3.8   | 78    | -0.02    |
| 18   | Hexachloroethane            | 0.533 | 0.528 | 0.9   | 84    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.025 | 0.961 | 6.2   | 76    | -0.02    |
| 20   | 3+4-Methylphenols           | 1.491 | 1.442 | 3.3   | 78    | -0.02    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 84    | -0.03    |
| 22   | Acetophenone                | 0.495 | 0.480 | 3.0   | 78    | -0.02    |
| 23 S | Nitrobenzene-d5             | 0.351 | 0.344 | 2.0   | 79    | -0.02    |
| 24   | Nitrobenzene                | 0.347 | 0.334 | 3.7   | 77    | -0.02    |
| 25   | Isophorone                  | 0.635 | 0.610 | 3.9   | 76    | -0.01    |
| 26 C | 2-Nitrophenol               | 0.170 | 0.185 | -8.8  | 85    | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.213 | 0.212 | 0.5   | 79    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane  | 0.429 | 0.389 | 9.3   | 72    | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.291 | 0.299 | -2.7  | 81    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene      | 0.311 | 0.312 | -0.3  | 82    | -0.02    |
| 31   | Naphthalene                 | 1.054 | 1.016 | 3.6   | 79    | -0.02    |
| 32   | Benzoic acid                | 0.248 | 0.232 | 6.5   | 81    | 0.02     |
| 33   | 4-Chloroaniline             | 0.371 | 0.358 | 3.5   | 76    | -0.02    |
| 34 C | Hexachlorobutadiene         | 0.183 | 0.198 | -8.2  | 88    | -0.02    |
| 35   | Caprolactam                 | 0.107 | 0.100 | 6.5   | 75    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.339 | 0.349 | -2.9  | 82    | -0.02    |
| 37   | 2-Methylnaphthalene         | 0.731 | 0.708 | 3.1   | 79    | -0.02    |
| 38   | 1-Methylnaphthalene         | 0.715 | 0.686 | 4.1   | 79    | -0.02    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 83    | -0.02    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.550 | 0.582 | -5.8  | 83    | -0.02    |
| 41 P | Hexachlorocyclopentadiene   | 0.195 | 0.200 | -2.6  | 76    | -0.03    |
| 42 S | 2,4,6-Tribromophenol        | 0.277 | 0.314 | -13.4 | 90    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.366 | 0.392 | -7.1  | 83    | -0.02    |
| 44   | 2,4,5-Trichlorophenol       | 0.405 | 0.422 | -4.2  | 82    | -0.01    |
| 45 S | 2-Fluorobiphenyl            | 1.306 | 1.341 | -2.7  | 81    | -0.02    |
| 46   | 1,1'-Biphenyl               | 1.470 | 1.458 | 0.8   | 79    | -0.02    |
| 47   | 2-Chloronaphthalene         | 1.099 | 1.080 | 1.7   | 78    | -0.02    |

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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                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 0.308 | 0.316 | -2.6  | 79    | -0.01    |
| 49   | Acenaphthylene             | 1.730 | 1.678 | 3.0   | 76    | -0.02    |
| 50   | Dimethylphthalate          | 1.454 | 1.412 | 2.9   | 78    | -0.02    |
| 51   | 2,6-Dinitrotoluene         | 0.309 | 0.309 | 0.0   | 79    | -0.01    |
| 52 C | Acenaphthene               | 1.097 | 1.049 | 4.4   | 77    | -0.02    |
| 53   | 3-Nitroaniline             | 0.325 | 0.304 | 6.5   | 71    | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 0.182 | 0.175 | 3.8   | 78    | 0.00     |
| 55   | Dibenzofuran               | 1.793 | 1.700 | 5.2   | 77    | -0.02    |
| 56 P | 4-Nitrophenol              | 0.280 | 0.234 | 16.4  | 63    | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 0.421 | 0.424 | -0.7  | 78    | 0.00     |
| 58   | Fluorene                   | 1.388 | 1.335 | 3.8   | 79    | -0.02    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.373 | 0.374 | -0.3  | 79    | -0.02    |
| 60   | Diethylphthalate           | 1.499 | 1.462 | 2.5   | 78    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 0.674 | 0.673 | 0.1   | 82    | -0.01    |
| 62   | 4-Nitroaniline             | 0.344 | 0.311 | 9.6   | 70    | 0.00     |
| 63   | Azobenzene                 | 1.378 | 1.266 | 8.1   | 73    | -0.01    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 80    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.126 | 0.129 | -2.4  | 79    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.597 | 0.598 | -0.2  | 76    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 0.219 | 0.238 | -8.7  | 83    | -0.01    |
| 68   | Hexachlorobenzene          | 0.260 | 0.288 | -10.8 | 85    | -0.01    |
| 69   | Atrazine                   | 0.152 | 0.139 | 8.6   | 92    | -0.02    |
| 70 C | Pentachlorophenol          | 0.181 | 0.189 | -4.4  | 78    | -0.01    |
| 71   | Phenanthrene               | 1.091 | 1.034 | 5.2   | 74    | -0.02    |
| 72   | Anthracene                 | 1.052 | 1.027 | 2.4   | 74    | -0.01    |
| 73   | Carbazole                  | 1.027 | 0.934 | 9.1   | 69    | -0.01    |
| 74   | Di-n-butylphthalate        | 1.280 | 1.269 | 0.9   | 73    | -0.02    |
| 75 C | Fluoranthene               | 1.298 | 1.171 | 9.8   | 70    | -0.02    |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 67    | -0.02    |
| 77   | Benzidine                  | 0.254 | 0.199 | 21.7  | 31#   | -0.01    |
| 78   | Pyrene                     | 1.271 | 1.347 | -6.0  | 69    | -0.02    |
| 79 S | Terphenyl-d14              | 0.992 | 1.111 | -12.0 | 72    | -0.02    |
| 80   | Butylbenzylphthalate       | 0.544 | 0.561 | -3.1  | 63    | -0.02    |
| 81   | Benzo(a)anthracene         | 1.243 | 1.187 | 4.5   | 62    | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 0.436 | 0.395 | 9.4   | 55    | -0.01    |
| 83   | Chrysene                   | 1.191 | 1.126 | 5.5   | 62    | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.798 | 0.747 | 6.4   | 56    | -0.03    |
| 85 c | Di-n-octyl phthalate       | 1.297 | 1.161 | 10.5  | 53    | -0.04    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 60    | -0.04    |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.388 | 1.322 | 4.8   | 55    | -0.06    |
| 88   | Benzo(b)fluoranthene       | 1.199 | 1.187 | 1.0   | 56    | -0.04    |
| 89   | Benzo(k)fluoranthene       | 1.158 | 1.134 | 2.1   | 56    | -0.04    |
| 90 C | Benzo(a)pyrene             | 1.034 | 1.004 | 2.9   | 55    | -0.04    |
| 91   | Dibenzo(a,h)anthracene     | 1.152 | 1.101 | 4.4   | 55    | -0.06    |
| 92   | Benzo(g,h,i)perylene       | 1.173 | 1.113 | 5.1   | 54    | -0.07    |

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| Compound | AvgRF | CCRF | %Dev Area | % Dev(min) |
|----------|-------|------|-----------|------------|
|----------|-------|------|-----------|------------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 0