

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082025\  
 Data File : BP025504.D  
 Acq On : 20 Aug 2025 12:05  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 20 12:36:50 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 14 18:14:31 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   | 89    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.472 | 0.486 | -3.0  | 97    | 0.00     |
| 3    | Pyridine                    | 1.291 | 1.299 | -0.6  | 94    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.532 | 0.598 | -12.4 | 104   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.204 | 1.230 | -2.2  | 94    | 0.00     |
| 6    | Aniline                     | 2.080 | 2.104 | -1.2  | 92    | 0.00     |
| 7 S  | Phenol-d6                   | 1.544 | 1.561 | -1.1  | 91    | 0.00     |
| 8    | 2-Chlorophenol              | 1.359 | 1.370 | -0.8  | 92    | 0.00     |
| 9    | Benzaldehyde                | 1.082 | 1.129 | -4.3  | 73    | 0.00     |
| 10 C | Phenol                      | 1.620 | 1.640 | -1.2  | 92    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.263 | 1.266 | -0.2  | 92    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.499 | 1.515 | -1.1  | 93    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.532 | 1.531 | 0.1   | 92    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.483 | 1.489 | -0.4  | 92    | 0.00     |
| 15   | Benzyl Alcohol              | 1.227 | 1.236 | -0.7  | 92    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.692 | 1.783 | -5.4  | 97    | 0.00     |
| 17   | 2-Methylphenol              | 1.125 | 1.139 | -1.2  | 91    | 0.00     |
| 18   | Hexachloroethane            | 0.563 | 0.578 | -2.7  | 94    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.023 | 1.023 | 0.0   | 91    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.560 | 1.541 | 1.2   | 89    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 22   | Acetophenone                | 0.502 | 0.495 | 1.4   | 89    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.395 | 0.406 | -2.8  | 93    | 0.00     |
| 24   | Nitrobenzene                | 0.353 | 0.365 | -3.4  | 93    | 0.00     |
| 25   | Isophorone                  | 0.700 | 0.698 | 0.3   | 91    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.181 | 0.183 | -1.1  | 89    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.312 | 0.314 | -0.6  | 89    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.423 | 0.426 | -0.7  | 92    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.310 | 0.311 | -0.3  | 89    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.340 | 0.340 | 0.0   | 91    | 0.00     |
| 31   | Naphthalene                 | 1.040 | 1.031 | 0.9   | 90    | 0.00     |
| 32   | Benzoic acid                | 0.230 | 0.244 | -6.1  | 94    | 0.00     |
| 33   | 4-Chloroaniline             | 0.459 | 0.463 | -0.9  | 90    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.211 | 0.211 | 0.0   | 90    | 0.00     |
| 35   | Caprolactam                 | 0.114 | 0.110 | 3.5   | 88    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.355 | 0.363 | -2.3  | 92    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.676 | 0.667 | 1.3   | 90    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.719 | 0.701 | 2.5   | 90    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 86    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.578 | 0.581 | -0.5  | 89    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.349 | 0.356 | -2.0  | 88    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.269 | 0.267 | 0.7   | 87    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.390 | 0.400 | -2.6  | 90    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.427 | 0.444 | -4.0  | 90    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.463 | 1.434 | 2.0   | 88    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.453 | 1.446 | 0.5   | 88    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.131 | 1.133 | -0.2  | 88    | 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                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 48   | 2-Nitroaniline             | 0.329 | 0.354 | -7.6 | 92    | 0.00     |
| 49   | Acenaphthylene             | 1.871 | 1.846 | 1.3  | 88    | 0.00     |
| 50   | Dimethylphthalate          | 1.465 | 1.452 | 0.9  | 89    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.309 | 0.321 | -3.9 | 89    | 0.00     |
| 52 C | Acenaphthene               | 1.098 | 1.067 | 2.8  | 88    | 0.01     |
| 53   | 3-Nitroaniline             | 0.347 | 0.357 | -2.9 | 90    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.165 | 0.171 | -3.6 | 90    | 0.00     |
| 55   | Dibenzofuran               | 1.736 | 1.694 | 2.4  | 87    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.285 | 0.293 | -2.8 | 90    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.440 | 0.461 | -4.8 | 90    | 0.00     |
| 58   | Fluorene                   | 1.370 | 1.323 | 3.4  | 87    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.377 | 0.385 | -2.1 | 90    | 0.00     |
| 60   | Diethylphthalate           | 1.488 | 1.480 | 0.5  | 89    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.681 | 0.654 | 4.0  | 86    | 0.00     |
| 62   | 4-Nitroaniline             | 0.356 | 0.358 | -0.6 | 87    | 0.00     |
| 63   | Azobenzene                 | 1.274 | 1.336 | -4.9 | 93    | 0.01     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 87    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.125 | 0.127 | -1.6 | 90    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.610 | 0.601 | 1.5  | 89    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.220 | 0.213 | 3.2  | 87    | 0.00     |
| 68   | Hexachlorobenzene          | 0.255 | 0.245 | 3.9  | 88    | 0.00     |
| 69   | Atrazine                   | 0.228 | 0.225 | 1.3  | 90    | 0.00     |
| 70 C | Pentachlorophenol          | 0.161 | 0.167 | -3.7 | 93    | 0.00     |
| 71   | Phenanthrene               | 1.099 | 1.055 | 4.0  | 89    | 0.01     |
| 72   | Anthracene                 | 1.122 | 1.090 | 2.9  | 88    | 0.00     |
| 73   | Carbazole                  | 1.057 | 1.042 | 1.4  | 90    | 0.01     |
| 74   | Di-n-butylphthalate        | 1.300 | 1.337 | -2.8 | 94    | 0.01     |
| 75 C | Fluoranthene               | 1.311 | 1.309 | 0.2  | 93    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 93    | 0.00     |
| 77   | Benzydine                  | 0.683 | 0.581 | 14.9 | 56    | 0.01     |
| 78   | Pyrene                     | 1.300 | 1.237 | 4.8  | 90    | 0.00     |
| 79 S | Terphenyl-d14              | 1.093 | 1.040 | 4.8  | 92    | 0.01     |
| 80   | Butylbenzylphthalate       | 0.589 | 0.597 | -1.4 | 96    | 0.01     |
| 81   | Benzo(a)anthracene         | 1.319 | 1.300 | 1.4  | 95    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.497 | 0.486 | 2.2  | 93    | 0.00     |
| 83   | Chrysene                   | 1.235 | 1.230 | 0.4  | 97    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.867 | 0.894 | -3.1 | 100   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 1.492 | 1.559 | -4.5 | 100   | -0.02    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 92    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.467 | 1.423 | 3.0  | 93    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.179 | 1.179 | 0.0  | 96    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.180 | 1.162 | 1.5  | 95    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.148 | 1.132 | 1.4  | 94    | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 1.199 | 1.166 | 2.8  | 93    | -0.02    |
| 92   | Benzo(g,h,i)perylene       | 1.178 | 1.145 | 2.8  | 93    | -0.04    |

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

(#) = Out of Range

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