

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082421\  
 Data File : BP006843.D  
 Acq On : 24 Aug 2021 12:03  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 24 13:41:00 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 24 13:40:38 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                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 87    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.567 | 0.543 | 4.2    | 84    | 0.00     |
| 3    | Pyridine                    | 1.666 | 1.553 | 6.8    | 77    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.629 | 0.524 | 16.7   | 69    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.302 | 1.351 | -3.8   | 87    | 0.00     |
| 6    | Aniline                     | 2.009 | 1.986 | 1.1    | 78    | 0.00     |
| 7 S  | Phenol-d6                   | 1.850 | 1.846 | 0.2    | 81    | 0.01     |
| 8    | 2-Chlorophenol              | 1.409 | 1.495 | -6.1   | 87    | 0.00     |
| 9    | Benzaldehyde                | 1.113 | 1.029 | 7.5    | 78    | 0.00     |
| 10 C | Phenol                      | 1.855 | 1.832 | 1.2    | 80    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.408 | 1.368 | 2.8    | 80    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.468 | 1.559 | -6.2   | 89    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.490 | 1.582 | -6.2   | 89    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.430 | 1.519 | -6.2   | 88    | 0.00     |
| 15   | Benzyl Alcohol              | 1.387 | 1.381 | 0.4    | 78    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.676 | 1.376 | 17.9   | 66    | 0.00     |
| 17   | 2-Methylphenol              | 1.171 | 1.227 | -4.8   | 83    | 0.01     |
| 18   | Hexachloroethane            | 0.590 | 0.616 | -4.4   | 88    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.241 | 1.171 | 5.6    | 73    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.594 | 1.670 | -4.8   | 82    | 0.01     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 80    | 0.01     |
| 22   | Acetophenone                | 0.530 | 0.554 | -4.5   | 80    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.433 | 0.447 | -3.2   | 79    | 0.00     |
| 24   | Nitrobenzene                | 0.450 | 0.453 | -0.7   | 78    | 0.00     |
| 25   | Isophorone                  | 0.778 | 0.811 | -4.2   | 78    | 0.01     |
| 26 C | 2-Nitrophenol               | 0.164 | 0.205 | -25.0# | 94    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.274 | 0.299 | -9.1   | 83    | 0.01     |
| 28   | bis(2-Chloroethoxy)methane  | 0.416 | 0.425 | -2.2   | 79    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.278 | 0.323 | -16.2  | 87    | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 0.299 | 0.333 | -11.4  | 88    | 0.01     |
| 31   | Naphthalene                 | 1.075 | 1.148 | -6.8   | 83    | 0.01     |
| 32   | Benzoic acid                | 0.212 | 0.266 | -25.5# | 96    | 0.02     |
| 33   | 4-Chloroaniline             | 0.435 | 0.467 | -7.4   | 81    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.174 | 0.204 | -17.2  | 94    | 0.01     |
| 35   | Caprolactam                 | 0.100 | 0.114 | -14.0  | 80    | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 0.353 | 0.388 | -9.9   | 81    | 0.02     |
| 37   | 2-Methylnaphthalene         | 0.728 | 0.784 | -7.7   | 82    | 0.01     |
| 38   | 1-Methylnaphthalene         | 0.692 | 0.743 | -7.4   | 82    | 0.01     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 76    | 0.01     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.523 | 0.587 | -12.2  | 86    | 0.01     |
| 41 P | Hexachlorocyclopentadiene   | 0.278 | 0.265 | 4.7    | 71    | 0.01     |
| 42 S | 2,4,6-Tribromophenol        | 0.209 | 0.251 | -20.1  | 86    | 0.02     |
| 43 C | 2,4,6-Trichlorophenol       | 0.357 | 0.428 | -19.9  | 88    | 0.01     |
| 44   | 2,4,5-Trichlorophenol       | 0.396 | 0.461 | -16.4  | 85    | 0.01     |
| 45 S | 2-Fluorobiphenyl            | 1.337 | 1.452 | -8.6   | 82    | 0.01     |
| 46   | 1,1'-Biphenyl               | 1.514 | 1.630 | -7.7   | 81    | 0.01     |
| 47   | 2-Chloronaphthalene         | 1.166 | 1.265 | -8.5   | 82    | 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                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.411 | 0.441 | -7.3   | 75    | 0.01     |
| 49   | Acenaphthylene             | 1.880 | 2.061 | -9.6   | 81    | 0.01     |
| 50   | Dimethylphthalate          | 1.456 | 1.576 | -8.2   | 80    | 0.02     |
| 51   | 2,6-Dinitrotoluene         | 0.325 | 0.367 | -12.9  | 81    | 0.01     |
| 52 C | Acenaphthene               | 1.144 | 1.219 | -6.6   | 79    | 0.01     |
| 53   | 3-Nitroaniline             | 0.360 | 0.401 | -11.4  | 78    | 0.01     |
| 54 P | 2,4-Dinitrophenol          | 0.170 | 0.200 | -17.6  | 86    | 0.01     |
| 55   | Dibenzofuran               | 1.799 | 1.925 | -7.0   | 79    | 0.01     |
| 56 P | 4-Nitrophenol              | 0.313 | 0.346 | -10.5  | 76    | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 0.436 | 0.506 | -16.1  | 82    | 0.02     |
| 58   | Fluorene                   | 1.438 | 1.546 | -7.5   | 79    | 0.02     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.332 | 0.380 | -14.5  | 83    | 0.02     |
| 60   | Diethylphthalate           | 1.529 | 1.691 | -10.6  | 81    | 0.01     |
| 61   | 4-Chlorophenyl-phenylether | 0.651 | 0.713 | -9.5   | 81    | 0.01     |
| 62   | 4-Nitroaniline             | 0.382 | 0.402 | -5.2   | 72    | 0.02     |
| 63   | Azobenzene                 | 1.783 | 1.819 | -2.0   | 73    | 0.02     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 75    | 0.01     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.122 | 0.142 | -16.4  | 84    | 0.02     |
| 66 c | n-Nitrosodiphenylamine     | 0.629 | 0.676 | -7.5   | 78    | 0.02     |
| 67   | 4-Bromophenyl-phenylether  | 0.192 | 0.217 | -13.0  | 84    | 0.01     |
| 68   | Hexachlorobenzene          | 0.218 | 0.244 | -11.9  | 84    | 0.01     |
| 69   | Atrazine                   | 0.196 | 0.208 | -6.1   | 75    | 0.01     |
| 70 C | Pentachlorophenol          | 0.139 | 0.159 | -14.4  | 80    | 0.02     |
| 71   | Phenanthrene               | 1.128 | 1.202 | -6.6   | 78    | 0.02     |
| 72   | Anthracene                 | 1.090 | 1.189 | -9.1   | 79    | 0.01     |
| 73   | Carbazole                  | 1.112 | 1.195 | -7.5   | 76    | 0.02     |
| 74   | Di-n-butylphthalate        | 1.267 | 1.467 | -15.8  | 83    | 0.02     |
| 75 C | Fluoranthene               | 1.266 | 1.398 | -10.4  | 79    | 0.02     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 75    | 0.02     |
| 77   | Benzydine                  | 0.500 | 0.597 | -19.4  | 77    | 0.01     |
| 78   | Pyrene                     | 1.336 | 1.442 | -7.9   | 79    | 0.02     |
| 79 S | Terphenyl-d14              | 0.998 | 1.100 | -10.2  | 82    | 0.02     |
| 80   | Butylbenzylphthalate       | 0.587 | 0.716 | -22.0  | 86    | 0.02     |
| 81   | Benzo(a)anthracene         | 1.307 | 1.408 | -7.7   | 79    | 0.02     |
| 82   | 3,3'-Dichlorobenzidine     | 0.343 | 0.410 | -19.5  | 85    | 0.02     |
| 83   | Chrysene                   | 1.267 | 1.359 | -7.3   | 79    | 0.02     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.883 | 1.037 | -17.4  | 85    | 0.02     |
| 85 c | Di-n-octyl phthalate       | 1.455 | 1.825 | -25.4# | 90    | 0.02     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 78    | 0.03     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.450 | 1.589 | -9.6   | 82    | 0.05     |
| 88   | Benzo(b)fluoranthene       | 1.300 | 1.421 | -9.3   | 82    | 0.03     |
| 89   | Benzo(k)fluoranthene       | 1.248 | 1.278 | -2.4   | 76    | 0.03     |
| 90 C | Benzo(a)pyrene             | 1.166 | 1.275 | -9.3   | 81    | 0.03     |
| 91   | Dibenzo(a,h)anthracene     | 1.254 | 1.364 | -8.8   | 82    | 0.05     |
| 92   | Benzo(g,h,i)perylene       | 1.202 | 1.318 | -9.7   | 82    | 0.05     |

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

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