

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082421\  
 Data File : BP006872.D  
 Acq On : 25 Aug 2021 05:37  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 25 06:05:49 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   | 86    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.567 | 0.564 | 0.5   | 86    | 0.00     |
| 3    | Pyridine                    | 1.666 | 1.563 | 6.2   | 77    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.629 | 0.560 | 11.0  | 73    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.302 | 1.369 | -5.1  | 87    | 0.00     |
| 6    | Aniline                     | 2.009 | 1.955 | 2.7   | 76    | 0.00     |
| 7 S  | Phenol-d6                   | 1.850 | 1.844 | 0.3   | 80    | 0.00     |
| 8    | 2-Chlorophenol              | 1.409 | 1.479 | -5.0  | 85    | 0.00     |
| 9    | Benzaldehyde                | 1.113 | 1.048 | 5.8   | 79    | 0.00     |
| 10 C | Phenol                      | 1.855 | 1.826 | 1.6   | 78    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.408 | 1.372 | 2.6   | 79    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.468 | 1.546 | -5.3  | 87    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.490 | 1.566 | -5.1  | 87    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.430 | 1.499 | -4.8  | 86    | 0.00     |
| 15   | Benzyl Alcohol              | 1.387 | 1.339 | 3.5   | 75    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.676 | 1.412 | 15.8  | 67    | 0.00     |
| 17   | 2-Methylphenol              | 1.171 | 1.200 | -2.5  | 80    | 0.00     |
| 18   | Hexachloroethane            | 0.590 | 0.625 | -5.9  | 89    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.241 | 1.182 | 4.8   | 73    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.594 | 1.639 | -2.8  | 79    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 80    | 0.00     |
| 22   | Acetophenone                | 0.530 | 0.547 | -3.2  | 79    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.433 | 0.449 | -3.7  | 80    | 0.00     |
| 24   | Nitrobenzene                | 0.450 | 0.458 | -1.8  | 79    | 0.00     |
| 25   | Isophorone                  | 0.778 | 0.799 | -2.7  | 77    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.164 | 0.189 | -15.2 | 87    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.274 | 0.286 | -4.4  | 80    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.416 | 0.413 | 0.7   | 77    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.278 | 0.306 | -10.1 | 83    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.299 | 0.319 | -6.7  | 85    | 0.00     |
| 31   | Naphthalene                 | 1.075 | 1.117 | -3.9  | 81    | 0.00     |
| 32   | Benzoic acid                | 0.212 | 0.223 | -5.2  | 80    | 0.01     |
| 33   | 4-Chloroaniline             | 0.435 | 0.447 | -2.8  | 77    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.174 | 0.196 | -12.6 | 91    | 0.00     |
| 35   | Caprolactam                 | 0.100 | 0.108 | -8.0  | 75    | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.353 | 0.380 | -7.6  | 79    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.728 | 0.760 | -4.4  | 80    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.692 | 0.717 | -3.6  | 80    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 75    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.523 | 0.573 | -9.6  | 82    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.278 | 0.258 | 7.2   | 68    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.209 | 0.240 | -14.8 | 81    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.357 | 0.412 | -15.4 | 83    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.396 | 0.442 | -11.6 | 80    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.337 | 1.437 | -7.5  | 80    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.514 | 1.613 | -6.5  | 79    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.166 | 1.247 | -6.9  | 79    | 0.00     |

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

|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.411 | 0.450 | -9.5   | 76    | 0.00     |
| 49   | Acenaphthylene             | 1.880 | 2.024 | -7.7   | 78    | 0.00     |
| 50   | Dimethylphthalate          | 1.456 | 1.557 | -6.9   | 77    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.325 | 0.356 | -9.5   | 77    | 0.00     |
| 52 C | Acenaphthene               | 1.144 | 1.214 | -6.1   | 77    | 0.00     |
| 53   | 3-Nitroaniline             | 0.360 | 0.394 | -9.4   | 76    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.170 | 0.176 | -3.5   | 74    | 0.00     |
| 55   | Dibenzofuran               | 1.799 | 1.902 | -5.7   | 77    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.313 | 0.335 | -7.0   | 72    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.436 | 0.491 | -12.6  | 78    | 0.00     |
| 58   | Fluorene                   | 1.438 | 1.527 | -6.2   | 77    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.332 | 0.370 | -11.4  | 79    | 0.00     |
| 60   | Diethylphthalate           | 1.529 | 1.670 | -9.2   | 78    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.651 | 0.700 | -7.5   | 78    | 0.00     |
| 62   | 4-Nitroaniline             | 0.382 | 0.413 | -8.1   | 73    | 0.00     |
| 63   | Azobenzene                 | 1.783 | 1.905 | -6.8   | 75    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 74    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.122 | 0.134 | -9.8   | 78    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.629 | 0.658 | -4.6   | 75    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.192 | 0.209 | -8.9   | 79    | 0.00     |
| 68   | Hexachlorobenzene          | 0.218 | 0.234 | -7.3   | 79    | 0.00     |
| 69   | Atrazine                   | 0.196 | 0.204 | -4.1   | 73    | 0.00     |
| 70 C | Pentachlorophenol          | 0.139 | 0.154 | -10.8  | 77    | 0.00     |
| 71   | Phenanthrene               | 1.128 | 1.185 | -5.1   | 76    | 0.00     |
| 72   | Anthracene                 | 1.090 | 1.169 | -7.2   | 77    | 0.00     |
| 73   | Carbazole                  | 1.112 | 1.178 | -5.9   | 74    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.267 | 1.430 | -12.9  | 80    | 0.00     |
| 75 C | Fluoranthene               | 1.266 | 1.369 | -8.1   | 77    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 75    | 0.00     |
| 77   | Benzydine                  | 0.500 | 0.489 | 2.2    | 63    | 0.00     |
| 78   | Pyrene                     | 1.336 | 1.387 | -3.8   | 76    | 0.00     |
| 79 S | Terphenyl-d14              | 0.998 | 1.067 | -6.9   | 79    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.587 | 0.675 | -15.0  | 81    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.307 | 1.402 | -7.3   | 78    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.343 | 0.377 | -9.9   | 78    | 0.00     |
| 83   | Chrysene                   | 1.267 | 1.353 | -6.8   | 78    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.883 | 1.013 | -14.7  | 83    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.455 | 1.792 | -23.2# | 88    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 81    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.450 | 1.568 | -8.1   | 84    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.300 | 1.355 | -4.2   | 81    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.248 | 1.294 | -3.7   | 80    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.166 | 1.241 | -6.4   | 82    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.254 | 1.346 | -7.3   | 83    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.202 | 1.293 | -7.6   | 84    | 0.00     |

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 1