

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082021\  
 Data File : BM031863.D  
 Acq On : 21 Aug 2021 04:20  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 21 06:27:48 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 18 14:13:35 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   | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.521 | 0.378  | 27.4# | 81    | 0.00     |
| 3    | Pyridine                    | 1.440 | 1.239  | 14.0  | 93    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.840 | 0.480  | 42.9# | 62    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.246 | 1.273  | -2.2  | 111   | 0.00     |
| 6    | Aniline                     | 1.974 | 1.745  | 11.6  | 94    | 0.00     |
| 7 S  | Phenol-d6                   | 1.806 | 1.664  | 7.9   | 97    | 0.00     |
| 8    | 2-Chlorophenol              | 1.459 | 1.342  | 8.0   | 98    | 0.00     |
| 9    | Benzaldehyde                | 1.282 | 1.141  | 11.0  | 99    | 0.00     |
| 10 C | Phenol                      | 1.794 | 1.652  | 7.9   | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.347 | 1.217  | 9.7   | 97    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.561 | 1.462  | 6.3   | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.608 | 1.484  | 7.7   | 100   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.580 | 1.422  | 10.0  | 99    | 0.00     |
| 15   | Benzyl Alcohol              | 1.555 | 1.307  | 15.9  | 88    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.925 | 1.763  | 8.4   | 98    | 0.00     |
| 17   | 2-Methylphenol              | 1.268 | 1.092  | 13.9  | 90    | 0.00     |
| 18   | Hexachloroethane            | 0.667 | 0.454  | 31.9# | 72    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.426 | 1.099  | 22.9  | 82    | -0.01    |
| 20   | 3+4-Methylphenols           | 1.783 | 1.479  | 17.0  | 89    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000  | 0.0   | 93    | 0.00     |
| 22   | Acetophenone                | 0.568 | 0.536  | 5.6   | 84    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.478 | 0.468  | 2.1   | 87    | 0.00     |
| 24   | Nitrobenzene                | 0.489 | 0.473  | 3.3   | 87    | 0.00     |
| 25   | Isophorone                  | 0.857 | 0.770  | 10.2  | 79    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.192 | 0.179  | 6.8   | 81    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.294 | 0.275  | 6.5   | 83    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.412 | 0.385  | 6.6   | 83    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.334 | 0.317  | 5.1   | 82    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.357 | 0.340  | 4.8   | 85    | 0.00     |
| 31   | Naphthalene                 | 1.145 | 1.080  | 5.7   | 84    | 0.00     |
| 32   | Benzoic acid                | 0.263 | 0.243  | 7.6   | 80    | 0.01     |
| 33   | 4-Chloroaniline             | 0.476 | 0.424  | 10.9  | 78    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.228 | 0.213  | 6.6   | 82    | -0.01    |
| 35   | Caprolactam                 | 0.116 | 0.096  | 17.2  | 70    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.415 | 0.354  | 14.7  | 74    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.857 | 0.744  | 13.2  | 76    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.818 | 0.704  | 13.9  | 76    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000  | 0.0   | 77    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.568 | 0.580  | -2.1  | 74    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.284 | 0.027# | 90.5# | 7#    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.246 | 0.208  | 15.4  | 60    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.419 | 0.421  | -0.5  | 72    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.458 | 0.461  | -0.7  | 72    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.503 | 1.491  | 0.8   | 73    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.574 | 1.544  | 1.9   | 72    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.236 | 1.227  | 0.7   | 72    | 0.00     |

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

|      | Compound                   | AvgRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|--------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 0.459 | 0.455  | 0.9   | 70    | 0.00     |
| 49   | Acenaphthylene             | 2.023 | 1.958  | 3.2   | 71    | 0.00     |
| 50   | Dimethylphthalate          | 1.667 | 1.465  | 12.1  | 65    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.370 | 0.322  | 13.0  | 63    | 0.00     |
| 52 C | Acenaphthene               | 1.232 | 1.173  | 4.8   | 69    | 0.00     |
| 53   | 3-Nitroaniline             | 0.380 | 0.359  | 5.5   | 67    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.218 | 0.044# | 79.8# | 14#   | 0.00     |
| 55   | Dibenzofuran               | 2.059 | 1.895  | 8.0   | 68    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.324 | 0.293  | 9.6   | 63    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.533 | 0.448  | 15.9  | 60    | 0.00     |
| 58   | Fluorene                   | 1.710 | 1.547  | 9.5   | 66    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.415 | 0.378  | 8.9   | 66    | 0.00     |
| 60   | Diethylphthalate           | 1.832 | 1.574  | 14.1  | 62    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.825 | 0.725  | 12.1  | 64    | 0.00     |
| 62   | 4-Nitroaniline             | 0.390 | 0.361  | 7.4   | 65    | 0.00     |
| 63   | Azobenzene                 | 2.028 | 1.827  | 9.9   | 65    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000  | 0.0   | 68    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.137 | 0.039  | 71.5# | 18#   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.658 | 0.632  | 4.0   | 62    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.213 | 0.206  | 3.3   | 63    | 0.00     |
| 68   | Hexachlorobenzene          | 0.233 | 0.216  | 7.3   | 60    | 0.00     |
| 69   | Atrazine                   | 0.234 | 0.205  | 12.4  | 56    | 0.00     |
| 70 C | Pentachlorophenol          | 0.156 | 0.150  | 3.8   | 61    | 0.00     |
| 71   | Phenanthrene               | 1.220 | 1.137  | 6.8   | 61    | 0.00     |
| 72   | Anthracene                 | 1.196 | 1.132  | 5.4   | 62    | 0.00     |
| 73   | Carbazole                  | 1.198 | 1.103  | 7.9   | 59    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.492 | 1.397  | 6.4   | 60    | 0.00     |
| 75 C | Fluoranthene               | 1.461 | 1.275  | 12.7  | 57    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000  | 0.0   | 60    | 0.00     |
| 77   | Benzydine                  | 0.594 | 0.644  | -8.4  | 65    | 0.00     |
| 78   | Pyrene                     | 1.449 | 1.449  | 0.0   | 56    | 0.00     |
| 79 S | Terphenyl-d14              | 1.187 | 1.162  | 2.1   | 55    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.694 | 0.714  | -2.9  | 57    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.465 | 1.388  | 5.3   | 54    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.453 | 0.448  | 1.1   | 55    | 0.00     |
| 83   | Chrysene                   | 1.428 | 1.324  | 7.3   | 53    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 1.073 | 1.083  | -0.9  | 56    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.773 | 1.817  | -2.5  | 58    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000  | 0.0   | 65    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.409 | 1.542  | -9.4  | 68    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.502 | 1.400  | 6.8   | 57    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.449 | 1.250  | 13.7  | 54    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.330 | 1.250  | 6.0   | 58    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.240 | 1.339  | -8.0  | 68    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.129 | 1.258  | -11.4 | 71    | 0.01     |

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

(#) = Out of Range

SPCC's out = 2 CCC's out = 0