

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM013020\  
 Data File : BM024659.D  
 Acq On : 30 Jan 2020 15:28  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 30 23:36:21 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 23 14:57:07 2020  
 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 77    | -0.01    |
| 2    | 1,4-Dioxane                 | 0.416 | 0.417 | -0.2  | 76    | -0.01    |
| 3    | Pyridine                    | 1.206 | 1.215 | -0.7  | 78    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.535 | 0.430 | 19.6  | 60    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.052 | 1.153 | -9.6  | 82    | -0.01    |
| 6    | Aniline                     | 1.764 | 1.774 | -0.6  | 75    | -0.02    |
| 7 S  | Phenol-d6                   | 1.449 | 1.481 | -2.2  | 76    | -0.01    |
| 8    | 2-Chlorophenol              | 1.197 | 1.315 | -9.9  | 82    | -0.01    |
| 9    | Benzaldehyde                | 0.856 | 0.791 | 7.6   | 72    | -0.02    |
| 10 C | Phenol                      | 1.444 | 1.458 | -1.0  | 75    | -0.01    |
| 11   | bis(2-Chloroethyl)ether     | 1.156 | 1.121 | 3.0   | 71    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.471 | 1.660 | -12.8 | 84    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.492 | 1.671 | -12.0 | 83    | -0.02    |
| 14   | 1,2-Dichlorobenzene         | 1.440 | 1.614 | -12.1 | 84    | -0.02    |
| 15   | Benzyl Alcohol              | 1.194 | 1.119 | 6.3   | 70    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.058 | 0.897 | 15.2  | 62    | -0.02    |
| 17   | 2-Methylphenol              | 1.018 | 1.030 | -1.2  | 75    | 0.00     |
| 18   | Hexachloroethane            | 0.576 | 0.580 | -0.7  | 75    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.088 | 0.930 | 14.5  | 64    | -0.02    |
| 20   | 3+4-Methylphenols           | 1.409 | 1.398 | 0.8   | 73    | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 69    | -0.01    |
| 22   | Acetophenone                | 0.516 | 0.531 | -2.9  | 70    | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.408 | 0.392 | 3.9   | 65    | -0.02    |
| 24   | Nitrobenzene                | 0.391 | 0.377 | 3.6   | 65    | -0.02    |
| 25   | Isophorone                  | 0.693 | 0.657 | 5.2   | 64    | -0.02    |
| 26 C | 2-Nitrophenol               | 0.181 | 0.208 | -14.9 | 77    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.246 | 0.266 | -8.1  | 74    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.423 | 0.426 | -0.7  | 68    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 0.332 | 0.382 | -15.1 | 77    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.401 | 0.466 | -16.2 | 80    | -0.01    |
| 31   | Naphthalene                 | 1.010 | 1.103 | -9.2  | 74    | -0.01    |
| 32   | Benzoic acid                | 0.225 | 0.249 | -10.7 | 73    | -0.03    |
| 33   | 4-Chloroaniline             | 0.443 | 0.476 | -7.4  | 72    | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.277 | 0.316 | -14.1 | 77    | -0.01    |
| 35   | Caprolactam                 | 0.107 | 0.113 | -5.6  | 71    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.353 | 0.351 | 0.6   | 67    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.780 | 0.831 | -6.5  | 72    | -0.02    |
| 38   | 1-Methylnaphthalene         | 0.742 | 0.786 | -5.9  | 72    | -0.02    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 68    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.714 | 0.807 | -13.0 | 75    | -0.01    |
| 41 P | Hexachlorocyclopentadiene   | 0.400 | 0.365 | 8.8   | 59    | -0.02    |
| 42 S | 2,4,6-Tribromophenol        | 0.325 | 0.376 | -15.7 | 77    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol       | 0.454 | 0.518 | -14.1 | 74    | -0.01    |
| 44   | 2,4,5-Trichlorophenol       | 0.464 | 0.525 | -13.1 | 74    | -0.01    |

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|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.471 | 1.615 | -9.8   | 72    | -0.01    |
| 46   | 1,1'-Biphenyl              | 1.514 | 1.666 | -10.0  | 72    | -0.02    |
| 47   | 2-Chloronaphthalene        | 1.222 | 1.372 | -12.3  | 74    | -0.01    |
| 48   | 2-Nitroaniline             | 0.373 | 0.332 | 11.0   | 58    | -0.01    |
| 49   | Acenaphthylene             | 1.829 | 2.008 | -9.8   | 72    | -0.01    |
| 50   | Dimethylphthalate          | 1.617 | 1.716 | -6.1   | 70    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 0.344 | 0.373 | -8.4   | 71    | -0.01    |
| 52 C | Acenaphthene               | 1.135 | 1.234 | -8.7   | 72    | -0.01    |
| 53   | 3-Nitroaniline             | 0.357 | 0.386 | -8.1   | 70    | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 0.206 | 0.220 | -6.8   | 70    | 0.00     |
| 55   | Dibenzofuran               | 1.851 | 2.035 | -9.9   | 73    | -0.01    |
| 56 P | 4-Nitrophenol              | 0.279 | 0.298 | -6.8   | 69    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.493 | 0.521 | -5.7   | 69    | 0.00     |
| 58   | Fluorene                   | 1.556 | 1.640 | -5.4   | 69    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.470 | 0.515 | -9.6   | 72    | -0.01    |
| 60   | Diethylphthalate           | 1.642 | 1.666 | -1.5   | 66    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 0.897 | 0.941 | -4.9   | 69    | -0.01    |
| 62   | 4-Nitroaniline             | 0.394 | 0.418 | -6.1   | 68    | -0.01    |
| 63   | Azobenzene                 | 1.401 | 1.235 | 11.8   | 58    | -0.01    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 66    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.118 | 0.132 | -11.9  | 71    | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 0.574 | 0.630 | -9.8   | 71    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 0.249 | 0.274 | -10.0  | 71    | -0.01    |
| 68   | Hexachlorobenzene          | 0.285 | 0.330 | -15.8  | 75    | -0.01    |
| 69   | Atrazine                   | 0.221 | 0.213 | 3.6    | 61    | -0.01    |
| 70 C | Pentachlorophenol          | 0.174 | 0.187 | -7.5   | 69    | 0.00     |
| 71   | Phenanthrene               | 1.083 | 1.198 | -10.6  | 71    | -0.01    |
| 72   | Anthracene                 | 1.060 | 1.176 | -10.9  | 72    | -0.01    |
| 73   | Carbazole                  | 0.965 | 1.083 | -12.2  | 72    | -0.01    |
| 74   | Di-n-butylphthalate        | 1.233 | 1.273 | -3.2   | 66    | -0.01    |
| 75 C | Fluoranthene               | 1.352 | 1.523 | -12.6  | 73    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 70    | -0.01    |
| 77   | Benzidine                  | 0.466 | 0.592 | -27.0# | 86    | 0.00     |
| 78   | Pyrene                     | 1.318 | 1.430 | -8.5   | 73    | 0.00     |
| 79 S | Terphenyl-d14              | 1.071 | 1.190 | -11.1  | 70    | -0.01    |
| 80   | Butylbenzylphthalate       | 0.553 | 0.563 | -1.8   | 68    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.388 | 1.514 | -9.1   | 74    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.499 | 0.612 | -22.6  | 80    | 0.00     |
| 83   | Chrysene                   | 1.325 | 1.466 | -10.6  | 75    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.816 | 0.802 | 1.7    | 66    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.349 | 1.393 | -3.3   | 68    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.444 | 1.863 | -29.0# | 84    | -0.02    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 74    | 0.00     |

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|------|------------------------|-------|-------|--------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.297 | 1.360 | -4.9   | 75    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.266 | 1.337 | -5.6   | 77    | -0.01    |
| 90 C | Benzo(a)pyrene         | 1.179 | 1.285 | -9.0   | 79    | -0.01    |
| 91   | Dibenzo(a,h)anthracene | 1.119 | 1.330 | -18.9  | 84    | -0.01    |
| 92   | Benzo(q,h,i)perylene   | 1.016 | 1.281 | -26.1# | 88    | -0.02    |

(#) = Out of Range

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