

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052419\  
 Data File : BM020552.D  
 Acq On : 24 May 2019 21:55  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 25 05:25:47 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 24 16:07:05 2019  
 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   | 81    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.533 | 0.583 | -9.4  | 88    | 0.00     |
| 3    | Pyridine                    | 1.511 | 1.680 | -11.2 | 85    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.378 | 0.375 | 0.8   | 82    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.019 | 1.025 | -0.6  | 80    | 0.00     |
| 6    | Aniline                     | 2.226 | 2.200 | 1.2   | 79    | 0.00     |
| 7 S  | Phenol-d6                   | 1.539 | 1.556 | -1.1  | 80    | 0.00     |
| 8    | 2-Chlorophenol              | 1.247 | 1.224 | 1.8   | 79    | 0.00     |
| 9    | Benzaldehyde                | 0.982 | 1.013 | -3.2  | 81    | 0.00     |
| 10 C | Phenol                      | 1.662 | 1.673 | -0.7  | 80    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.240 | 1.203 | 3.0   | 78    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.596 | 1.598 | -0.1  | 80    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.596 | 1.595 | 0.1   | 79    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.600 | 1.589 | 0.7   | 80    | 0.00     |
| 15   | Benzyl Alcohol              | 1.424 | 1.373 | 3.6   | 77    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 0.864 | 0.844 | 2.3   | 80    | 0.00     |
| 17   | 2-Methylphenol              | 1.097 | 1.071 | 2.4   | 79    | 0.00     |
| 18   | Hexachloroethane            | 0.646 | 0.674 | -4.3  | 84    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.366 | 1.375 | -0.7  | 80    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.471 | 1.475 | -0.3  | 80    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 81    | 0.00     |
| 22   | Acetophenone                | 0.551 | 0.547 | 0.7   | 81    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.476 | 0.482 | -1.3  | 83    | 0.00     |
| 24   | Nitrobenzene                | 0.471 | 0.477 | -1.3  | 83    | 0.00     |
| 25   | Isophorone                  | 0.887 | 0.896 | -1.0  | 82    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.174 | 0.164 | 5.7   | 77    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.259 | 0.252 | 2.7   | 80    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.462 | 0.449 | 2.8   | 80    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.344 | 0.346 | -0.6  | 82    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.470 | 0.485 | -3.2  | 86    | 0.00     |
| 31   | Naphthalene                 | 1.033 | 1.031 | 0.2   | 83    | 0.00     |
| 32   | Benzoic acid                | 0.154 | 0.121 | 21.4  | 61    | -0.01    |
| 33   | 4-Chloroaniline             | 0.412 | 0.392 | 4.9   | 76    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.350 | 0.372 | -6.3  | 87    | 0.00     |
| 35   | Caprolactam                 | 0.113 | 0.100 | 11.5  | 72    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.374 | 0.375 | -0.3  | 82    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.789 | 0.790 | -0.1  | 82    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.764 | 0.764 | 0.0   | 82    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 86    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.841 | 0.842 | -0.1  | 86    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.342 | 0.341 | 0.3   | 84    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.401 | 0.412 | -2.7  | 90    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.520 | 0.513 | 1.3   | 83    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.486 | 0.473 | 2.7   | 82    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.594 | 1.571 | 1.4  | 86    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.540 | 1.489 | 3.3  | 83    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.306 | 1.278 | 2.1  | 85    | 0.00     |
| 48   | 2-Nitroaniline             | 0.384 | 0.375 | 2.3  | 83    | 0.00     |
| 49   | Acenaphthylene             | 1.986 | 1.944 | 2.1  | 85    | 0.00     |
| 50   | Dimethylphthalate          | 1.772 | 1.765 | 0.4  | 86    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.369 | 0.367 | 0.5  | 85    | 0.00     |
| 52 C | Acenaphthene               | 1.197 | 1.181 | 1.3  | 85    | 0.00     |
| 53   | 3-Nitroaniline             | 0.309 | 0.293 | 5.2  | 80    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.187 | 0.178 | 4.8  | 81    | 0.00     |
| 55   | Dibenzofuran               | 2.071 | 2.059 | 0.6  | 87    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.199 | 0.189 | 5.0  | 79    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.533 | 0.537 | -0.8 | 86    | 0.00     |
| 58   | Fluorene                   | 1.720 | 1.725 | -0.3 | 87    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.565 | 0.574 | -1.6 | 87    | 0.00     |
| 60   | Diethylphthalate           | 1.745 | 1.760 | -0.9 | 88    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 1.098 | 1.116 | -1.6 | 89    | 0.00     |
| 62   | 4-Nitroaniline             | 0.310 | 0.274 | 11.6 | 78    | 0.00     |
| 63   | Azobenzene                 | 1.698 | 1.768 | -4.1 | 90    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 89    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.118 | 0.116 | 1.7  | 85    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.542 | 0.529 | 2.4  | 88    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.266 | 0.265 | 0.4  | 88    | 0.00     |
| 68   | Hexachlorobenzene          | 0.323 | 0.325 | -0.6 | 91    | 0.00     |
| 69   | Atrazine                   | 0.223 | 0.230 | -3.1 | 89    | 0.00     |
| 70 C | Pentachlorophenol          | 0.167 | 0.168 | -0.6 | 88    | 0.00     |
| 71   | Phenanthrene               | 1.087 | 1.073 | 1.3  | 89    | 0.00     |
| 72   | Anthracene                 | 1.054 | 1.021 | 3.1  | 87    | 0.00     |
| 73   | Carbazole                  | 0.904 | 0.882 | 2.4  | 87    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.112 | 1.109 | 0.3  | 89    | 0.00     |
| 75 C | Fluoranthene               | 1.511 | 1.521 | -0.7 | 92    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 98    | 0.00     |
| 77   | Benzidine                  | 0.368 | 0.340 | 7.6  | 81    | 0.00     |
| 78   | Pyrene                     | 1.256 | 1.208 | 3.8  | 93    | 0.00     |
| 79 S | Terphenyl-d14              | 1.106 | 1.080 | 2.4  | 94    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.441 | 0.420 | 4.8  | 92    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.384 | 1.353 | 2.2  | 97    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.505 | 0.493 | 2.4  | 96    | 0.00     |
| 83   | Chrysene                   | 1.338 | 1.330 | 0.6  | 98    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.643 | 0.620 | 3.6  | 96    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.118 | 1.093 | 2.2  | 99    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.617 | 1.624 | -0.4 | 112   | -0.01    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 104   | -0.01    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.309 | 1.261 | 3.7  | 102   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.270 | 1.316 | -3.6 | 105   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.205 | 1.200 | 0.4  | 105   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.233 | 1.226 | 0.6  | 112   | -0.01    |
| 92   | Benzo(q,h,i)perylene   | 1.143 | 1.136 | 0.6  | 114   | 0.00     |

(#) = Out of Range

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