

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM041819\  
 Data File : BM019954.D  
 Acq On : 18 Apr 2019 15:26  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 19 00:56:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 15 16:16:29 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   | 85    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.533 | 0.574 | -7.7  | 92    | 0.00     |
| 3    | Pyridine                    | 1.491 | 1.612 | -8.1  | 96    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.480 | 0.475 | 1.0   | 82    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.234 | 1.278 | -3.6  | 88    | 0.00     |
| 6    | Aniline                     | 2.399 | 2.153 | 10.3  | 76    | 0.00     |
| 7 S  | Phenol-d6                   | 1.857 | 1.718 | 7.5   | 78    | 0.00     |
| 8    | 2-Chlorophenol              | 1.535 | 1.446 | 5.8   | 80    | 0.00     |
| 9    | Benzaldehyde                | 1.084 | 1.048 | 3.3   | 79    | 0.00     |
| 10 C | Phenol                      | 2.029 | 1.874 | 7.6   | 79    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.485 | 1.341 | 9.7   | 76    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.611 | 1.586 | 1.6   | 84    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.635 | 1.607 | 1.7   | 84    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.621 | 1.547 | 4.6   | 81    | 0.00     |
| 15   | Benzyl Alcohol              | 1.688 | 1.472 | 12.8  | 73    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.415 | 1.248 | 11.8  | 74    | 0.00     |
| 17   | 2-Methylphenol              | 1.343 | 1.166 | 13.2  | 73    | 0.00     |
| 18   | Hexachloroethane            | 0.635 | 0.624 | 1.7   | 83    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.633 | 1.317 | 19.4  | 68    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.845 | 1.567 | 15.1  | 72    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 73    | 0.00     |
| 22   | Acetophenone                | 0.545 | 0.523 | 4.0   | 70    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.447 | 0.444 | 0.7   | 72    | 0.00     |
| 24   | Nitrobenzene                | 0.463 | 0.460 | 0.6   | 72    | 0.00     |
| 25   | Isophorone                  | 0.871 | 0.782 | 10.2  | 65    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.197 | 0.189 | 4.1   | 69    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.279 | 0.267 | 4.3   | 69    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.487 | 0.450 | 7.6   | 67    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.317 | 0.304 | 4.1   | 69    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.341 | 0.342 | -0.3  | 73    | 0.00     |
| 31   | Naphthalene                 | 1.073 | 1.036 | 3.4   | 70    | 0.00     |
| 32   | Benzoic acid                | 0.247 | 0.231 | 6.5   | 66    | 0.00     |
| 33   | 4-Chloroaniline             | 0.442 | 0.404 | 8.6   | 66    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.201 | 0.204 | -1.5  | 74    | 0.00     |
| 35   | Caprolactam                 | 0.120 | 0.103 | 14.2  | 62    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.394 | 0.350 | 11.2  | 64    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.781 | 0.711 | 9.0   | 67    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.771 | 0.698 | 9.5   | 66    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 65    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.617 | 0.627 | -1.6  | 67    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.166 | 0.205 | -23.5 | 82    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.322 | 0.292 | 9.3   | 61    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.418 | 0.406 | 2.9   | 64    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.435 | 0.425 | 2.3   | 64    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.605 | 1.563 | 2.6    | 64    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.732 | 1.700 | 1.8    | 65    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.321 | 1.295 | 2.0    | 64    | 0.00     |
| 48   | 2-Nitroaniline             | 0.476 | 0.460 | 3.4    | 63    | 0.00     |
| 49   | Acenaphthylene             | 2.299 | 2.194 | 4.6    | 63    | 0.00     |
| 50   | Dimethylphthalate          | 1.764 | 1.655 | 6.2    | 62    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.390 | 0.365 | 6.4    | 62    | 0.00     |
| 52 C | Acenaphthene               | 1.275 | 1.228 | 3.7    | 64    | 0.00     |
| 53   | 3-Nitroaniline             | 0.390 | 0.360 | 7.7    | 60    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.197 | 0.171 | 13.2   | 55    | 0.00     |
| 55   | Dibenzofuran               | 2.084 | 1.986 | 4.7    | 63    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.270 | 0.233 | 13.7   | 55    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.561 | 0.512 | 8.7    | 61    | 0.00     |
| 58   | Fluorene                   | 1.766 | 1.625 | 8.0    | 61    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.397 | 0.371 | 6.5    | 62    | 0.00     |
| 60   | Diethylphthalate           | 1.835 | 1.701 | 7.3    | 61    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.850 | 0.784 | 7.8    | 61    | 0.00     |
| 62   | 4-Nitroaniline             | 0.384 | 0.342 | 10.9   | 58    | 0.00     |
| 63   | Azobenzene                 | 1.961 | 1.873 | 4.5    | 62    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 63    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.128 | 0.117 | 8.6    | 58    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.654 | 0.627 | 4.1    | 62    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.230 | 0.218 | 5.2    | 61    | 0.00     |
| 68   | Hexachlorobenzene          | 0.276 | 0.264 | 4.3    | 62    | 0.00     |
| 69   | Atrazine                   | 0.222 | 0.193 | 13.1   | 53    | 0.00     |
| 70 C | Pentachlorophenol          | 0.141 | 0.129 | 8.5    | 58    | 0.00     |
| 71   | Phenanthrene               | 1.187 | 1.139 | 4.0    | 62    | 0.00     |
| 72   | Anthracene                 | 1.181 | 1.125 | 4.7    | 61    | 0.00     |
| 73   | Carbazole                  | 1.103 | 1.066 | 3.4    | 62    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.449 | 1.365 | 5.8    | 60    | 0.00     |
| 75 C | Fluoranthene               | 1.366 | 1.303 | 4.6    | 62    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 65    | 0.00     |
| 77   | Benzidine                  | 0.552 | 0.478 | 13.4   | 56    | 0.00     |
| 78   | Pyrene                     | 1.324 | 1.290 | 2.6    | 62    | 0.00     |
| 79 S | Terphenyl-d14              | 1.134 | 1.062 | 6.3    | 61    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.642 | 0.619 | 3.6    | 62    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.267 | 1.285 | -1.4   | 67    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.471 | 0.499 | -5.9   | 67    | 0.00     |
| 83   | Chrysene                   | 1.215 | 1.247 | -2.6   | 67    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.956 | 0.904 | 5.4    | 62    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.551 | 1.577 | -1.7   | 67    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.195 | 1.747 | -46.2# | 96    | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 84    | 0.00     |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.328 | 1.183 | 10.9  | 77    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.250 | 1.153 | 7.8   | 78    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.177 | 1.123 | 4.6   | 82    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.135 | 1.275 | -12.3 | 96    | 0.00     |
| 92   | Benzo(g,h,i)perylene   | 1.028 | 1.206 | -17.3 | 100   | 0.00     |

(#) = Out of Range

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