

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM031919\  
 Data File : BM019229.D  
 Acq On : 19 Mar 2019 10:25  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 19 12:20:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 19 12:12:53 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                     | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4       | 20.000 | 20.000 | 0.0   | 81    | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 34.427 | 13.9  | 73    | -0.02    |
| 3    | Pyridine                     | 40.000 | 39.394 | 1.5   | 76    | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 34.617 | 13.5  | 70    | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 75.167 | 6.0   | 77    | -0.02    |
| 6    | Aniline                      | 40.000 | 39.414 | 1.5   | 80    | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 78.957 | 1.3   | 79    | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 38.674 | 3.3   | 79    | -0.03    |
| 9    | Benzaldehyde                 | 40.000 | 36.728 | 8.2   | 74    | -0.02    |
| 10 C | Phenol                       | 40.000 | 39.703 | 0.7   | 80    | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.527 | 3.7   | 78    | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.758 | 5.6   | 78    | -0.03    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 37.485 | 6.3   | 78    | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.130 | 4.7   | 79    | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 39.689 | 0.8   | 79    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 37.918 | 5.2   | 78    | -0.03    |
| 17   | 2-Methylphenol               | 40.000 | 39.788 | 0.5   | 80    | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 37.612 | 6.0   | 76    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.976 | -2.4  | 82    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 41.714 | -4.3  | 83    | -0.02    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 85    | -0.03    |
| 22   | Acetophenone                 | 40.000 | 38.171 | 4.6   | 81    | -0.03    |
| 23 S | Nitrobenzene-d5              | 80.000 | 75.861 | 5.2   | 81    | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 37.859 | 5.4   | 81    | -0.02    |
| 25   | Isophorone                   | 40.000 | 39.157 | 2.1   | 83    | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 40.108 | -0.3  | 82    | -0.03    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.163 | 2.1   | 83    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.706 | 3.2   | 83    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.166 | -0.4  | 83    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.680 | 5.8   | 82    | -0.03    |
| 31   | Naphthalene                  | 40.000 | 37.528 | 6.2   | 82    | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 37.338 | 6.7   | 79    | -0.03    |
| 33   | 4-Chloroaniline              | 40.000 | 39.022 | 2.4   | 82    | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 37.350 | 6.6   | 81    | -0.03    |
| 35   | Caprolactam                  | 40.000 | 42.837 | -7.1  | 88    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.778 | 0.6   | 84    | -0.03    |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.344 | 4.1   | 84    | -0.03    |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.153 | 4.6   | 83    | -0.02    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 88    | -0.02    |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 37.520 | 6.2   | 84    | -0.02    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 28.382 | 29.0# | 62    | -0.02    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 78.258 | 2.2   | 85    | -0.02    |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 39.517 | 1.2   | 86    | -0.02    |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 39.321 | 1.7   | 85    | -0.02    |

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

|      | Compound                   | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|----------------------------|--------|--------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 74.408 | 7.0  | 84    | -0.02    |
| 46   | 1,1'-Biphenyl              | 40.000 | 37.162 | 7.1  | 84    | -0.02    |
| 47   | 2-Chloronaphthalene        | 40.000 | 37.637 | 5.9  | 85    | -0.02    |
| 48   | 2-Nitroaniline             | 40.000 | 39.189 | 2.0  | 82    | -0.02    |
| 49   | Acenaphthylene             | 40.000 | 37.869 | 5.3  | 84    | -0.02    |
| 50   | Dimethylphthalate          | 40.000 | 37.749 | 5.6  | 85    | -0.02    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.022 | 2.4  | 85    | -0.02    |
| 52 C | Acenaphthene               | 40.000 | 37.379 | 6.6  | 84    | -0.02    |
| 53   | 3-Nitroaniline             | 40.000 | 37.159 | 7.1  | 83    | -0.02    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 31.957 | 20.1 | 70    | -0.02    |
| 55   | Dibenzofuran               | 40.000 | 37.449 | 6.4  | 85    | -0.02    |
| 56 P | 4-Nitrophenol              | 40.000 | 36.208 | 9.5  | 80    | -0.02    |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 37.654 | 5.9  | 85    | -0.02    |
| 58   | Fluorene                   | 40.000 | 37.617 | 6.0  | 84    | -0.02    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.415 | 4.0  | 84    | -0.02    |
| 60   | Diethylphthalate           | 40.000 | 38.044 | 4.9  | 85    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.872 | 5.3  | 85    | -0.02    |
| 62   | 4-Nitroaniline             | 40.000 | 36.936 | 7.7  | 83    | -0.02    |
| 63   | Azobenzene                 | 40.000 | 38.128 | 4.7  | 84    | -0.02    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 90    | -0.02    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 34.676 | 13.3 | 77    | -0.02    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.242 | 4.4  | 86    | -0.02    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.568 | 3.6  | 87    | -0.02    |
| 68   | Hexachlorobenzene          | 40.000 | 38.298 | 4.3  | 87    | -0.02    |
| 69   | Atrazine                   | 40.000 | 38.314 | 4.2  | 85    | -0.02    |
| 70 C | Pentachlorophenol          | 40.000 | 36.076 | 9.8  | 81    | -0.02    |
| 71   | Phenanthrene               | 40.000 | 37.138 | 7.2  | 85    | -0.02    |
| 72   | Anthracene                 | 40.000 | 37.953 | 5.1  | 85    | -0.02    |
| 73   | Carbazole                  | 40.000 | 37.150 | 7.1  | 83    | -0.02    |
| 74   | Di-n-butylphthalate        | 40.000 | 39.724 | 0.7  | 87    | -0.02    |
| 75 C | Fluoranthene               | 40.000 | 36.778 | 8.1  | 84    | -0.02    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 83    | -0.02    |
| 77   | Benzidine                  | 40.000 | 31.916 | 20.2 | 65    | -0.02    |
| 78   | Pyrene                     | 40.000 | 40.798 | -2.0 | 82    | -0.02    |
| 79 S | Terphenyl-d14              | 80.000 | 83.197 | -4.0 | 84    | -0.02    |
| 80   | Butylbenzylphthalate       | 40.000 | 43.746 | -9.4 | 85    | -0.02    |
| 81   | Benzo(a)anthracene         | 40.000 | 37.208 | 7.0  | 78    | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 37.810 | 5.5  | 77    | -0.02    |
| 83   | Chrysene                   | 40.000 | 37.354 | 6.6  | 78    | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.880 | -9.7 | 87    | -0.02    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.142 | -2.9 | 85    | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 33.180 | 17.1 | 78    | -0.04    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 80    | -0.03    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 37.494 | 6.3  | 76    | -0.02    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 39.060 | 2.3  | 76    | -0.02    |
| 90 C | Benzo(a)pyrene         | 40.000 | 37.582 | 6.0  | 76    | -0.03    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 37.163 | 7.1  | 78    | -0.04    |
| 92   | Benzo(g,h,i)perylene   | 40.000 | 38.038 | 4.9  | 80    | -0.04    |

(#) = Out of Range

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