

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM042219\  
 Data File : BM020005.D  
 Acq On : 22 Apr 2019 14:39  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 22 17:27:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 19 00:56:08 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    | 107   | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 45.118 | -12.8  | 122   | 0.00     |
| 3    | Pyridine                     | 40.000 | 43.533 | -8.8   | 123   | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.973 | -2.4   | 107   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.292 | -4.1   | 111   | -0.01    |
| 6    | Aniline                      | 40.000 | 35.940 | 10.2   | 96    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 74.575 | 6.8    | 100   | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 38.659 | 3.4    | 104   | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 37.611 | 6.0    | 100   | -0.01    |
| 10 C | Phenol                       | 40.000 | 37.076 | 7.3    | 100   | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.009 | 7.5    | 98    | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.234 | -3.1   | 111   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.943 | -2.4   | 110   | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.455 | 1.4    | 106   | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 34.891 | 12.8   | 93    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 34.723 | 13.2   | 92    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 35.011 | 12.5   | 93    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 40.892 | -2.2   | 109   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 32.118 | 19.7   | 85    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 33.963 | 15.1   | 90    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 89    | -0.01    |
| 22   | Acetophenone                 | 40.000 | 40.067 | -0.2   | 90    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.577 | -4.5   | 93    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 41.586 | -4.0   | 92    | -0.01    |
| 25   | Isophorone                   | 40.000 | 36.581 | 8.5    | 81    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 39.545 | 1.1    | 88    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.381 | 4.0    | 85    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.040 | 4.9    | 85    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.146 | 2.1    | 87    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 42.471 | -6.2   | 95    | -0.01    |
| 31   | Naphthalene                  | 40.000 | 40.155 | -0.4   | 89    | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 20.723 | 48.2#  | 41    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 37.012 | 7.5    | 82    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 44.576 | -11.4  | 100   | -0.02    |
| 35   | Caprolactam                  | 40.000 | 33.256 | 16.9   | 74    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 35.438 | 11.4   | 79    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.386 | 6.5    | 84    | -0.01    |
| 38   | 1-Methylnaphthalene          | 40.000 | 37.066 | 7.3    | 83    | -0.01    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 78    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.691 | -9.2   | 86    | -0.01    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 60.799 | -52.0# | 150   | -0.01    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 75.402 | 5.7    | 75    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.228 | -0.6   | 79    | -0.01    |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 38.481 | 3.8    | 75    | -0.01    |

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|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 83.538 | -4.4   | 82    | -0.01    |
| 46   | 1,1'-Biphenyl              | 40.000 | 41.523 | -3.8   | 82    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 41.465 | -3.7   | 81    | -0.01    |
| 48   | 2-Nitroaniline             | 40.000 | 38.679 | 3.3    | 75    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.202 | 2.0    | 77    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.744 | 3.1    | 76    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 38.577 | 3.6    | 76    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.883 | 0.3    | 79    | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 36.770 | 8.1    | 72    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 36.457 | 8.9    | 72    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.901 | 2.7    | 77    | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 37.646 | 5.9    | 75    | -0.02    |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 36.808 | 8.0    | 73    | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.557 | 6.1    | 75    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.883 | 5.3    | 75    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.140 | 4.6    | 75    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.974 | 2.6    | 77    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 35.350 | 11.6   | 68    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.569 | 1.1    | 77    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 74    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 33.507 | 16.2   | 62    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.452 | 1.4    | 74    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.087 | -0.2   | 76    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.321 | -0.8   | 76    | -0.01    |
| 69   | Atrazine                   | 40.000 | 32.621 | 18.4   | 59    | -0.01    |
| 70 C | Pentachlorophenol          | 40.000 | 35.285 | 11.8   | 66    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.874 | 2.8    | 73    | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.775 | 3.1    | 73    | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.290 | 4.3    | 72    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.638 | 0.9    | 74    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.778 | 3.1    | 74    | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 73    | 0.00     |
| 77   | Benzidine                  | 40.000 | 42.111 | -5.3   | 77    | -0.01    |
| 78   | Pyrene                     | 40.000 | 40.969 | -2.4   | 74    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 80.266 | -0.3   | 73    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.577 | -3.9   | 75    | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 42.882 | -7.2   | 79    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 44.514 | -11.3  | 80    | 0.00     |
| 83   | Chrysene                   | 40.000 | 42.808 | -7.0   | 79    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.859 | -4.6   | 77    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 44.808 | -12.0  | 83    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 63.695 | -59.2# | 118   | -0.01    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 96    | 0.00     |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 37.879 | 5.3   | 93    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 38.609 | 3.5   | 93    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.117 | -0.3  | 98    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 48.309 | -20.8 | 117   | -0.01    |
| 92   | Benzo(g,h,i)perylene   | 40.000 | 49.870 | -24.7 | 120   | -0.02    |

(#) = Out of Range

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