

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\  
 Data File : BM018878.D  
 Acq On : 20 Feb 2019 11:25  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 20 13:43:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 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   | 99    | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 39.724 | 0.7   | 99    | 0.00     |
| 3    | Pyridine                     | 40.000 | 44.949 | -12.4 | 102   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 46.122 | -15.3 | 110   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.915 | -4.9  | 102   | -0.02    |
| 6    | Aniline                      | 40.000 | 43.579 | -8.9  | 105   | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 88.211 | -10.3 | 106   | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 43.432 | -8.6  | 106   | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 47.291 | -18.2 | 112   | -0.02    |
| 10 C | Phenol                       | 40.000 | 44.247 | -10.6 | 108   | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 43.441 | -8.6  | 105   | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 42.077 | -5.2  | 104   | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.114 | -5.3  | 105   | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 42.328 | -5.8  | 104   | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 45.987 | -15.0 | 109   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 45.224 | -13.1 | 113   | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 44.486 | -11.2 | 108   | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 42.024 | -5.1  | 103   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 45.884 | -14.7 | 110   | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 45.369 | -13.4 | 109   | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 104   | -0.02    |
| 22   | Acetophenone                 | 40.000 | 42.296 | -5.7  | 110   | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 85.515 | -6.9  | 110   | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 42.514 | -6.3  | 110   | -0.02    |
| 25   | Isophorone                   | 40.000 | 44.043 | -10.1 | 112   | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 43.184 | -8.0  | 108   | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.940 | -7.3  | 111   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 42.372 | -5.9  | 109   | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 43.558 | -8.9  | 110   | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.825 | -2.1  | 107   | -0.02    |
| 31   | Naphthalene                  | 40.000 | 41.707 | -4.3  | 110   | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 35.620 | 11.0  | 92    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 43.971 | -9.9  | 112   | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.288 | 1.8   | 104   | -0.02    |
| 35   | Caprolactam                  | 40.000 | 45.667 | -14.2 | 115   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 45.058 | -12.6 | 114   | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.759 | -6.9  | 111   | -0.01    |
| 38   | 1-Methylnaphthalene          | 40.000 | 42.260 | -5.6  | 111   | -0.02    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 107   | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.249 | -0.6  | 109   | -0.02    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 34.042 | 14.9  | 91    | -0.01    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 89.077 | -11.3 | 117   | -0.01    |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 42.463 | -6.2  | 110   | -0.01    |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 42.742 | -6.9  | 111   | -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 | 82.392 | -3.0  | 112   | -0.01    |
| 46   | 1,1'-Biphenyl              | 40.000 | 41.535 | -3.8  | 113   | -0.01    |
| 47   | 2-Chloronaphthalene        | 40.000 | 41.804 | -4.5  | 113   | -0.02    |
| 48   | 2-Nitroaniline             | 40.000 | 46.909 | -17.3 | 120   | -0.01    |
| 49   | Acenaphthylene             | 40.000 | 43.191 | -8.0  | 115   | -0.01    |
| 50   | Dimethylphthalate          | 40.000 | 42.723 | -6.8  | 115   | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 44.380 | -11.0 | 115   | -0.01    |
| 52 C | Acenaphthene               | 40.000 | 42.114 | -5.3  | 113   | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 43.380 | -8.5  | 115   | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 33.491 | 16.3  | 91    | -0.01    |
| 55   | Dibenzofuran               | 40.000 | 42.588 | -6.5  | 115   | -0.02    |
| 56 P | 4-Nitrophenol              | 40.000 | 44.765 | -11.9 | 118   | -0.01    |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 45.529 | -13.8 | 117   | -0.01    |
| 58   | Fluorene                   | 40.000 | 43.194 | -8.0  | 117   | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.187 | -5.5  | 111   | -0.01    |
| 60   | Diethylphthalate           | 40.000 | 43.310 | -8.3  | 117   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.284 | -5.7  | 114   | -0.01    |
| 62   | 4-Nitroaniline             | 40.000 | 42.290 | -5.7  | 112   | -0.01    |
| 63   | Azobenzene                 | 40.000 | 45.102 | -12.8 | 119   | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 112   | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.122 | 9.7   | 100   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.362 | -5.9  | 117   | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.139 | -2.8  | 114   | -0.02    |
| 68   | Hexachlorobenzene          | 40.000 | 41.105 | -2.8  | 116   | -0.01    |
| 69   | Atrazine                   | 40.000 | 38.039 | 4.9   | 105   | -0.01    |
| 70 C | Pentachlorophenol          | 40.000 | 42.760 | -6.9  | 112   | -0.01    |
| 71   | Phenanthrene               | 40.000 | 42.156 | -5.4  | 119   | -0.01    |
| 72   | Anthracene                 | 40.000 | 42.904 | -7.3  | 119   | -0.01    |
| 73   | Carbazole                  | 40.000 | 42.895 | -7.2  | 118   | -0.01    |
| 74   | Di-n-butylphthalate        | 40.000 | 44.322 | -10.8 | 120   | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 42.737 | -6.8  | 118   | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 110   | -0.01    |
| 77   | Benzidine                  | 40.000 | 35.097 | 12.3  | 78    | -0.01    |
| 78   | Pyrene                     | 40.000 | 43.526 | -8.8  | 118   | -0.01    |
| 79 S | Terphenyl-d14              | 80.000 | 89.217 | -11.5 | 118   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 46.734 | -16.8 | 122   | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 42.100 | -5.3  | 114   | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.266 | -3.2  | 109   | -0.01    |
| 83   | Chrysene                   | 40.000 | 41.953 | -4.9  | 114   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 46.382 | -16.0 | 122   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 46.702 | -16.8 | 121   | -0.01    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 35.897 | 10.3  | 90    | -0.02    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 95    | -0.02    |

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|      | Compound               | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 43.505 | -8.8  | 105   | -0.01    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 44.849 | -12.1 | 108   | -0.01    |
| 90 C | Benzo(a)pyrene         | 40.000 | 42.773 | -6.9  | 102   | -0.02    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.133 | -0.3  | 91    | -0.02    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 39.124 | 2.2   | 87    | -0.03    |

(#) = Out of Range

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