

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031319\  
 Data File : BM019160.D  
 Acq On : 13 Mar 2019 23:46  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 14 08:16:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 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   | 97    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.157 | 9.6   | 93    | 0.00     |
| 3    | Pyridine                     | 40.000 | 43.794 | -9.5  | 102   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 37.182 | 7.0   | 90    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.329 | -1.7  | 100   | 0.00     |
| 6    | Aniline                      | 40.000 | 41.863 | -4.7  | 102   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 86.325 | -7.9  | 105   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.319 | -3.3  | 102   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 42.093 | -5.2  | 102   | 0.00     |
| 10 C | Phenol                       | 40.000 | 43.579 | -8.9  | 106   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.069 | -2.7  | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.540 | 1.2   | 99    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.692 | 0.8   | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.093 | -0.2  | 100   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 43.564 | -8.9  | 105   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.917 | -2.3  | 102   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 43.534 | -8.8  | 106   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.118 | -0.3  | 98    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 43.413 | -8.5  | 105   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 44.818 | -12.0 | 107   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 105   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.352 | 1.6   | 103   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.257 | -0.3  | 106   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.146 | -0.4  | 106   | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.782 | -2.0  | 107   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.690 | -4.2  | 105   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.065 | -2.7  | 108   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.187 | -0.5  | 106   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.481 | -6.2  | 109   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.769 | 3.1   | 104   | -0.01    |
| 31   | Naphthalene                  | 40.000 | 39.129 | 2.2   | 105   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 43.074 | -7.7  | 113   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 41.771 | -4.4  | 108   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.180 | 4.6   | 103   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 45.046 | -12.6 | 114   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 43.293 | -8.2  | 113   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.218 | -0.5  | 108   | -0.01    |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.101 | -0.3  | 107   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 109   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.162 | 2.1   | 108   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 36.730 | 8.2   | 99    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 85.158 | -6.4  | 114   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 41.672 | -4.2  | 111   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 43.007 | -7.5  | 114   | 0.00     |

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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) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 78.454 | 1.9    | 109   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 39.323 | 1.7    | 109   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.779 | 0.6    | 110   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 43.059 | -7.6   | 111   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.140 | -0.4   | 110   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.817 | 0.5    | 111   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.223 | -3.1   | 110   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.483 | 1.3    | 110   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.545 | -1.4   | 111   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.405 | 6.5    | 101   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.044 | -0.1   | 112   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.983 | 0.0    | 108   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.579 | -1.4   | 112   | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.404 | -1.0   | 112   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.131 | -2.8   | 111   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 40.210 | -0.5   | 111   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.396 | -1.0   | 112   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.543 | -3.9   | 115   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 41.783 | -4.5   | 113   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 112   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.027 | 9.9    | 101   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.684 | 0.8    | 111   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.902 | 0.2    | 112   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.721 | 0.7    | 113   | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.393 | -1.0   | 112   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 39.674 | 0.8    | 111   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.328 | 1.7    | 112   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.917 | 0.2    | 112   | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.305 | -0.8   | 113   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.984 | -2.5   | 113   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.516 | 1.2    | 113   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 115   | 0.00     |
| 77   | Benzidine                  | 40.000 | 52.418 | -31.0# | 150   | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.942 | 0.1    | 113   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 80.513 | -0.6   | 114   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.268 | -5.7   | 115   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.333 | 1.7    | 114   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.826 | 0.4    | 113   | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.848 | 2.9    | 114   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.071 | -7.7   | 119   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.735 | -9.3   | 126   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 35.585 | 11.0   | 117   | -0.01    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 115   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area | % Dev(min) |
|------|------------------------|--------|--------|------|------|------------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.007 | -0.0 | 116  | -0.01      |
| 89   | Benzo(k)fluoranthene   | 40.000 | 41.616 | -4.0 | 117  | 0.00       |
| 90 C | Benzo(a)pyrene         | 40.000 | 39.791 | 0.5  | 115  | 0.00       |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 38.799 | 3.0  | 117  | -0.01      |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 38.578 | 3.6  | 117  | -0.01      |

(#) = Out of Range

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