

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080818\  
 Data File : BM016262.D  
 Acq On : 08 Aug 2018 23:49  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 09 01:07:50 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 16:23:37 2018  
 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    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 41.064 | -2.7  | 97    | 0.00     |
| 3    | Pyridine                     | 40.000 | 40.544 | -1.4  | 96    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 43.518 | -8.8  | 101   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 86.266 | -7.8  | 101   | 0.00     |
| 6    | Aniline                      | 40.000 | 39.871 | 0.3   | 95    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 80.907 | -1.1  | 96    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.398 | -1.0  | 96    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.790 | -2.0  | 96    | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.770 | -1.9  | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.930 | 0.2   | 97    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.402 | -1.0  | 99    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.006 | -0.0  | 97    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.387 | 1.5   | 98    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.249 | -0.6  | 96    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.968 | 7.6   | 90    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.410 | -1.0  | 94    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.093 | -0.2  | 95    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.694 | 3.3   | 89    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 36.831 | 7.9   | 88    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 89    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 41.543 | -3.9  | 90    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 88.333 | -10.4 | 94    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 42.383 | -6.0  | 89    | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.145 | -0.4  | 85    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.650 | -4.1  | 91    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.848 | -2.1  | 87    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.511 | 1.2   | 83    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.215 | -3.0  | 85    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.440 | 1.4   | 86    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.932 | 2.7   | 85    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 40.615 | -1.5  | 90    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.913 | 2.7   | 81    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.060 | -5.2  | 92    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 35.849 | 10.4  | 76    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.817 | 3.0   | 81    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.161 | 4.6   | 82    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 77    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.477 | -6.2  | 82    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 20.106 | 49.7# | 31    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 69.125 | 13.6  | 67    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 43.585 | -9.0  | 80    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.413 | -6.0  | 79    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 87.985 | -10.0 | 85    | 0.00     |

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|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 40.669 | -1.7  | 77    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.244 | -0.6  | 76    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 41.679 | -4.2  | 77    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 40.026 | -0.1  | 75    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.929 | 0.2   | 76    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.147 | -0.4  | 74    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 38.857 | 2.9   | 75    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 37.417 | 6.5   | 70    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 31.977 | 20.1  | 61    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.266 | 4.3   | 73    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 34.398 | 14.0  | 65    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 37.431 | 6.4   | 71    | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.945 | 5.1   | 72    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.668 | 3.3   | 71    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.167 | 2.1   | 74    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.113 | 4.7   | 73    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 34.811 | 13.0  | 66    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 40.140 | -0.4  | 73    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 69    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 24.149 | 39.6# | 41    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.653 | -4.1  | 71    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.249 | -3.1  | 70    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 39.037 | 2.4   | 66    | 0.00     |
| 68   | Atrazine                   | 40.000 | 39.751 | 0.6   | 66    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 37.866 | 5.3   | 65    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 37.761 | 5.6   | 65    | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.371 | 1.6   | 68    | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.511 | 3.7   | 65    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 42.117 | -5.3  | 71    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.599 | 3.5   | 66    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 72    | 0.00     |
| 76   | Benzidine                  | 40.000 | 41.647 | -4.1  | 71    | 0.00     |
| 77   | Pyrene                     | 40.000 | 37.658 | 5.9   | 65    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 79.064 | 1.2   | 70    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 41.567 | -3.9  | 71    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.276 | 1.8   | 70    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.534 | -1.3  | 70    | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.103 | 2.2   | 70    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.593 | -4.0  | 71    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 43.366 | -8.4  | 75    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 45.228 | -13.1 | 81    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 79    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.670 | 0.8   | 78    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 37.709 | 5.7  | 73    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.667 | 0.8  | 78    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.084 | -2.7 | 80    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.972 | -2.4 | 81    | 0.00     |

(#) = Out of Range

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