

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090319\  
 Data File : BM022494.D  
 Acq On : 03 Sep 2019 09:42  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 03 12:56:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 02 03:54:42 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   | 68    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 44.063 | -10.2 | 73    | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.271 | -3.2  | 68    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 46.946 | -17.4 | 77    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.148 | -2.7  | 69    | 0.00     |
| 6    | Aniline                      | 40.000 | 39.726 | 0.7   | 67    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 79.734 | 0.3   | 67    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.387 | -1.0  | 68    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 42.574 | -6.4  | 70    | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.823 | 0.4   | 67    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 43.093 | -7.7  | 71    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.955 | -4.9  | 70    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.507 | -3.8  | 70    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.774 | 0.6   | 69    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.552 | -1.4  | 66    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 43.876 | -9.7  | 73    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 39.624 | 0.9   | 66    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 45.969 | -14.9 | 76    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.662 | 0.8   | 65    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 39.791 | 0.5   | 65    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 64    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.874 | 0.3   | 65    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.553 | -4.4  | 68    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.870 | -4.7  | 68    | 0.00     |
| 25   | Isophorone                   | 40.000 | 41.996 | -5.0  | 67    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.034 | -2.6  | 67    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.742 | -1.9  | 65    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.342 | -3.4  | 67    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.644 | 0.9   | 64    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.474 | -1.2  | 66    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.521 | -1.3  | 66    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 41.200 | -3.0  | 66    | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 39.094 | 2.3   | 62    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 44.862 | -12.2 | 74    | -0.01    |
| 35   | Caprolactam                  | 40.000 | 41.491 | -3.7  | 65    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.334 | -0.8  | 64    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.956 | 2.6   | 63    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.882 | 2.8   | 63    | -0.01    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 62    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.079 | -5.2  | 67    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 43.081 | -7.7  | 76    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 69.889 | 12.6  | 59    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.355 | -0.9  | 63    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 39.651 | 0.9   | 62    | 0.00     |

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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 | 77.568 | 3.0    | 63    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 39.466 | 1.3    | 63    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.089 | 2.3    | 62    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.601 | -6.5   | 65    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.799 | 0.5    | 63    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 41.518 | -3.8   | 65    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.498 | 1.3    | 63    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.057 | 2.4    | 62    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.453 | -1.1   | 62    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.184 | 7.0    | 60    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.875 | 2.8    | 62    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 34.767 | 13.1   | 53    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 37.808 | 5.5    | 60    | 0.00     |
| 58   | Fluorene                   | 40.000 | 36.832 | 7.9    | 60    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.882 | -4.7   | 66    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 42.701 | -6.8   | 67    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.863 | 0.3    | 65    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 38.534 | 3.7    | 59    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 44.774 | -11.9  | 70    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 60    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.416 | 1.5    | 59    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.518 | -1.3   | 62    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 43.566 | -8.9   | 67    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.921 | 0.2    | 63    | 0.00     |
| 69   | Atrazine                   | 40.000 | 50.066 | -25.2# | 75    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.339 | -3.3   | 62    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.916 | 2.7    | 60    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.008 | 2.5    | 60    | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.920 | 2.7    | 60    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 46.744 | -16.9  | 73    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 41.159 | -2.9   | 66    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 71    | 0.00     |
| 77   | Benzidine                  | 40.000 | 53.122 | -32.8# | 78    | 0.00     |
| 78   | Pyrene                     | 40.000 | 37.971 | 5.1    | 66    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 77.915 | 2.6    | 72    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 46.223 | -15.6  | 82    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.271 | -3.2   | 76    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 43.557 | -8.9   | 76    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.188 | -0.5   | 74    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 51.843 | -29.6# | 97    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 53.466 | -33.7# | 101   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 45.510 | -13.8  | 81    | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 78    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.248 | -0.6 | 83    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 38.517 | 3.7  | 77    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.509 | -1.3 | 81    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 41.356 | -3.4 | 82    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 42.101 | -5.3 | 80    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1