

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM111418\  
 Data File : BM017644.D  
 Acq On : 14 Nov 2018 13:12  
 Operator : MJ/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 14 14:39:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 12 18:37:25 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  | 85    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 34.037 | 14.9 | 74    | 0.00     |
| 3    | Pyridine                    | 40.000 | 34.986 | 12.5 | 74    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.604 | 6.0  | 78    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 71.601 | 10.5 | 76    | 0.00     |
| 6    | Aniline                     | 40.000 | 36.009 | 10.0 | 75    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 72.028 | 10.0 | 75    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 36.354 | 9.1  | 77    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 35.048 | 12.4 | 73    | 0.00     |
| 10 C | Phenol                      | 40.000 | 36.246 | 9.4  | 76    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 36.176 | 9.6  | 76    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 36.326 | 9.2  | 78    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 36.174 | 9.6  | 77    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 36.561 | 8.6  | 77    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 37.319 | 6.7  | 76    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.268 | 9.3  | 76    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 36.682 | 8.3  | 76    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 37.783 | 5.5  | 78    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 36.974 | 7.6  | 76    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 36.597 | 8.5  | 75    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 85    | 0.00     |
| 22   | Acetophenone                | 40.000 | 36.448 | 8.9  | 76    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 74.071 | 7.4  | 77    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 36.453 | 8.9  | 78    | 0.00     |
| 25   | Isophorone                  | 40.000 | 36.608 | 8.5  | 75    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 36.892 | 7.8  | 75    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 36.166 | 9.6  | 75    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.482 | 8.8  | 76    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 37.660 | 5.9  | 77    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 36.563 | 8.6  | 77    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 36.308 | 9.2  | 77    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 34.432 | 13.9 | 71    | -0.01    |
| 33   | 4-Chloroaniline             | 40.000 | 37.225 | 6.9  | 76    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 37.267 | 6.8  | 79    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 35.915 | 10.2 | 76    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 37.278 | 6.8  | 77    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 36.659 | 8.4  | 77    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 36.580 | 8.6  | 77    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 86    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 36.236 | 9.4  | 78    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 35.412 | 11.5 | 75    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 75.255 | 5.9  | 79    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 36.867 | 7.8  | 77    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 36.624 | 8.4  | 77    | 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 | 72.602 | 9.2  | 78    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 36.141 | 9.6  | 78    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 36.365 | 9.1  | 78    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 38.102 | 4.7  | 78    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 36.547 | 8.6  | 78    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 36.154 | 9.6  | 78    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 37.099 | 7.3  | 78    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 36.437 | 8.9  | 79    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 35.407 | 11.5 | 76    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 33.683 | 15.8 | 72    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 36.484 | 8.8  | 79    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 34.312 | 14.2 | 75    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 38.845 | 2.9  | 79    | 0.00     |
| 58   | Fluorene                   | 40.000 | 36.615 | 8.5  | 79    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.188 | 7.0  | 78    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 35.684 | 10.8 | 79    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 36.339 | 9.2  | 78    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 36.221 | 9.4  | 77    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.619 | 6.0  | 80    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 89    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 35.584 | 11.0 | 76    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 36.798 | 8.0  | 79    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 36.816 | 8.0  | 79    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 36.304 | 9.2  | 80    | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.376 | 6.6  | 79    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 35.700 | 10.7 | 77    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 36.641 | 8.4  | 80    | 0.00     |
| 72   | Anthracene                 | 40.000 | 37.352 | 6.6  | 80    | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.652 | 5.9  | 80    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 37.699 | 5.8  | 79    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 36.924 | 7.7  | 80    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 84    | 0.00     |
| 77   | Benzidine                  | 40.000 | 30.442 | 23.9 | 60    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.618 | 3.5  | 80    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 77.502 | 3.1  | 80    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.351 | 1.6  | 77    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 36.800 | 8.0  | 75    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 35.836 | 10.4 | 70    | 0.00     |
| 83   | Chrysene                   | 40.000 | 36.714 | 8.2  | 76    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.470 | 6.3  | 76    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 36.322 | 9.2  | 73    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 35.743 | 10.6 | 72    | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 76    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.246 | 1.9  | 74    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 36.318 | 9.2  | 67    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 37.408 | 6.5  | 69    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 38.375 | 4.1  | 72    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 39.066 | 2.3  | 74    | 0.00     |

(#) = Out of Range

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