

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP061920\  
 Data File : BP002458.D  
 Acq On : 19 Jun 2020 14:47  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 19 15:51:38 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 15:08:53 2020  
 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   | 96    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 44.418 | -11.0 | 105   | 0.00     |
| 3    | Pyridine                     | 40.000 | 42.928 | -7.3  | 103   | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.187 | -5.5  | 96    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.449 | -1.8  | 94    | 0.00     |
| 6    | Aniline                      | 40.000 | 38.512 | 3.7   | 87    | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 77.230 | 3.5   | 88    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.641 | 3.4   | 88    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.899 | -2.2  | 92    | -0.01    |
| 10 C | Phenol                       | 40.000 | 38.862 | 2.8   | 89    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.991 | 2.5   | 89    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.072 | 2.3   | 90    | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.056 | 2.4   | 90    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.287 | 4.3   | 88    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 37.912 | 5.2   | 85    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.254 | 4.4   | 88    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 37.537 | 6.2   | 85    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 40.266 | -0.7  | 93    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 36.918 | 7.7   | 84    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 37.225 | 6.9   | 84    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 85    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.542 | -1.4  | 84    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.664 | -4.6  | 87    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.666 | -4.2  | 86    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.143 | 2.1   | 80    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.608 | -1.5  | 82    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.409 | 1.5   | 81    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.933 | 0.2   | 83    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.118 | 2.2   | 81    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.054 | -0.1  | 83    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.559 | 1.1   | 83    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 33.513 | 16.2  | 64    | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 38.576 | 3.6   | 78    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.752 | -1.9  | 86    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 34.465 | 13.8  | 67    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 37.397 | 6.5   | 75    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.020 | 4.9   | 79    | -0.01    |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.005 | 5.0   | 79    | -0.01    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 75    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.913 | -4.8  | 77    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 44.868 | -12.2 | 80    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 74.350 | 7.1   | 67    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.303 | -0.8  | 72    | -0.01    |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.109 | -0.3  | 72    | 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 | 79.645 | 0.4   | 77    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 41.205 | -3.0  | 76    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.983 | -2.5  | 76    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 41.743 | -4.4  | 73    | -0.01    |
| 49   | Acenaphthylene             | 40.000 | 39.724 | 0.7   | 72    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.910 | 5.2   | 69    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 38.675 | 3.3   | 68    | -0.01    |
| 52 C | Acenaphthene               | 40.000 | 39.581 | 1.0   | 73    | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 37.884 | 5.3   | 66    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 35.523 | 11.2  | 61    | -0.01    |
| 55   | Dibenzofuran               | 40.000 | 39.018 | 2.5   | 71    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 35.512 | 11.2  | 60    | -0.01    |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 37.352 | 6.6   | 64    | -0.01    |
| 58   | Fluorene                   | 40.000 | 35.741 | 10.6  | 72    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.394 | 6.5   | 66    | -0.01    |
| 60   | Diethylphthalate           | 40.000 | 36.639 | 8.4   | 66    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.333 | 6.7   | 73    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 36.512 | 8.7   | 64    | -0.01    |
| 63   | Azobenzene                 | 40.000 | 39.556 | 1.1   | 72    | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 65    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.068 | -0.2  | 60    | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.102 | -5.3  | 68    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.085 | -5.2  | 67    | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 40.664 | -1.7  | 65    | -0.01    |
| 69   | Atrazine                   | 40.000 | 36.861 | 7.8   | 57    | -0.01    |
| 70 C | Pentachlorophenol          | 40.000 | 39.189 | 2.0   | 58    | -0.01    |
| 71   | Phenanthrene               | 40.000 | 40.363 | -0.9  | 65    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.397 | -1.0  | 65    | -0.01    |
| 73   | Carbazole                  | 40.000 | 38.965 | 2.6   | 62    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.596 | 3.5   | 61    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 36.999 | 7.5   | 59    | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 58    | -0.01    |
| 77   | Benzidine                  | 40.000 | 31.749 | 20.6  | 41    | 0.00     |
| 78   | Pyrene                     | 40.000 | 43.148 | -7.9  | 60    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 92.266 | -15.3 | 65    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.084 | -0.2  | 54    | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 40.118 | -0.3  | 57    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.328 | 4.2   | 51    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.988 | -2.5  | 58    | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.062 | -0.2  | 56    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.039 | 2.4   | 54    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 56    | -0.01    |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.410 | -6.0  | 58    | -0.03    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.473 | 1.3  | 52    | -0.01    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 40.922 | -2.3 | 58    | -0.02    |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.659 | -1.6 | 55    | -0.02    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 42.666 | -6.7 | 58    | -0.02    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 41.957 | -4.9 | 57    | -0.02    |

(#) = Out of Range

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