

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050721\  
 Data File : BP005460.D  
 Acq On : 07 May 2021 19:22  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 08 01:42:42 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP050521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 07 12:37:06 2021  
 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    | 77    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 48.344 | -20.9  | 91    | 0.00     |
| 3    | Pyridine                    | 40.000 | 50.376 | -25.9# | 96    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 45.308 | -13.3  | 86    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 79.554 | 0.6    | 80    | 0.00     |
| 6    | Aniline                     | 40.000 | 39.895 | 0.3    | 79    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 77.896 | 2.6    | 74    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.892 | 2.8    | 75    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 43.506 | -8.8   | 81    | 0.00     |
| 10 C | Phenol                      | 40.000 | 38.333 | 4.2    | 76    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.128 | 4.7    | 77    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.169 | 4.6    | 80    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 37.856 | 5.4    | 77    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.047 | 2.4    | 78    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.828 | -2.1   | 78    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.188 | 4.5    | 73    | -0.01    |
| 17   | 2-Methylphenol              | 40.000 | 38.269 | 4.3    | 74    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.332 | -0.8   | 82    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 40.869 | -2.2   | 78    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 40.229 | -0.6   | 77    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 80    | 0.00     |
| 22   | Acetophenone                | 40.000 | 37.788 | 5.5    | 76    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 79.456 | 0.7    | 80    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.608 | 1.0    | 81    | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.677 | 5.8    | 77    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 37.216 | 7.0    | 79    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 37.142 | 7.1    | 76    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.960 | 7.6    | 75    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 38.694 | 3.3    | 79    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.280 | 4.3    | 78    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 37.364 | 6.6    | 76    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 40.104 | -0.3   | 79    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 37.721 | 5.7    | 76    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.043 | -2.6   | 86    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 38.582 | 3.5    | 75    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.267 | 4.3    | 77    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.274 | 1.8    | 81    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 38.766 | 3.1    | 78    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 88    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 35.946 | 10.1   | 87    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 40.921 | -2.3   | 99    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 77.150 | 3.6    | 90    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 35.972 | 10.1   | 82    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 36.611 | 8.5    | 86    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 70.985 | 11.3   | 83    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 34.913 | 12.7   | 81    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 34.866 | 12.8   | 81    | -0.01    |

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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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 38.408 | 4.0   | 84    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 35.394 | 11.5  | 81    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 34.928 | 12.7  | 82    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 33.922 | 15.2  | 78    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 36.283 | 9.3   | 84    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 35.426 | 11.4  | 77    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 38.160 | 4.6   | 80    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 36.246 | 9.4   | 84    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 38.946 | 2.6   | 84    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 35.999 | 10.0  | 85    | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.181 | 7.0   | 84    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.059 | 4.9   | 88    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 36.889 | 7.8   | 85    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.469 | 6.3   | 89    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 37.119 | 7.2   | 83    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.606 | 1.0   | 89    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 93    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.793 | 8.0   | 83    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 36.609 | 8.5   | 85    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 37.733 | 5.7   | 93    | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 36.717 | 8.2   | 92    | -0.01    |
| 69   | Atrazine                   | 40.000 | 37.594 | 6.0   | 91    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 37.877 | 5.3   | 90    | -0.01    |
| 71   | Phenanthrene               | 40.000 | 37.215 | 7.0   | 87    | 0.00     |
| 72   | Anthracene                 | 40.000 | 37.087 | 7.3   | 88    | 0.00     |
| 73   | Carbazole                  | 40.000 | 36.674 | 8.3   | 86    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.130 | 4.7   | 91    | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 38.836 | 2.9   | 93    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 94    | 0.00     |
| 77   | Benzydine                  | 40.000 | 44.328 | -10.8 | 98    | 0.00     |
| 78   | Pyrene                     | 40.000 | 37.715 | 5.7   | 93    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.436 | 2.0   | 95    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 38.931 | 2.7   | 94    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 37.367 | 6.6   | 92    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.429 | 1.4   | 98    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.881 | 2.8   | 95    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.929 | 2.7   | 92    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 38.922 | 2.7   | 94    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 96    | -0.01    |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.442 | 8.9   | 91    | -0.02    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 38.147 | 4.6   | 91    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 37.607 | 6.0   | 97    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 37.525 | 6.2   | 93    | -0.01    |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 37.139 | 7.2   | 92    | -0.02    |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 36.503 | 8.7   | 90    | -0.01    |

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(#) = Out of Range                      SPCC's out = 0    CCC's out = 0