

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102621\  
 Data File : BG050725.D  
 Acq On : 26 Oct 2021 9:34  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 26 11:28:58 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 14 10:56:22 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  | 79    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 32.924 | 17.7 | 65    | -0.01    |
| 3    | Pyridine                    | 40.000 | 33.726 | 15.7 | 67    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 34.377 | 14.1 | 71    | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 74.163 | 7.3  | 75    | 0.00     |
| 6    | Aniline                     | 40.000 | 37.898 | 5.3  | 79    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 76.825 | 4.0  | 79    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.349 | 1.6  | 81    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 38.878 | 2.8  | 73    | 0.00     |
| 10 C | Phenol                      | 40.000 | 38.450 | 3.9  | 80    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 37.199 | 7.0  | 77    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 37.195 | 7.0  | 77    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 37.549 | 6.1  | 78    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.573 | 6.1  | 78    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 39.053 | 2.4  | 81    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.047 | 9.9  | 75    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 40.129 | -0.3 | 84    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 37.330 | 6.7  | 76    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 37.671 | 5.8  | 78    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 39.662 | 0.8  | 81    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 85    | 0.00     |
| 22   | Acetophenone                | 40.000 | 36.730 | 8.2  | 81    | -0.01    |
| 23 S | Nitrobenzene-d5             | 80.000 | 73.460 | 8.2  | 79    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 36.086 | 9.8  | 78    | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.170 | 7.1  | 82    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 42.037 | -5.1 | 89    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 37.773 | 5.6  | 81    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.926 | 7.7  | 81    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.141 | 2.1  | 84    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 37.975 | 5.1  | 83    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 37.565 | 6.1  | 82    | -0.01    |
| 32   | Benzoic acid                | 40.000 | 36.698 | 8.3  | 75    | 0.02     |
| 33   | 4-Chloroaniline             | 40.000 | 38.624 | 3.4  | 84    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 38.210 | 4.5  | 84    | -0.01    |
| 35   | Caprolactam                 | 40.000 | 39.635 | 0.9  | 85    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.062 | 2.3  | 85    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.085 | 4.8  | 84    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 37.850 | 5.4  | 84    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 90    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 36.849 | 7.9  | 85    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 39.541 | 1.1  | 87    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 77.793 | 2.8  | 89    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 37.781 | 5.5  | 85    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 38.963 | 2.6  | 88    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 73.828 | 7.7  | 85    | -0.01    |
| 46   | 1,1'-Biphenyl               | 40.000 | 36.673 | 8.3  | 85    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 37.721 | 5.7  | 87    | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|----------------------------|--------|--------|------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 38.318 | 4.2  | 85    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 36.916 | 7.7  | 85    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.069 | 7.3  | 85    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 38.667 | 3.3  | 87    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.117 | 7.2  | 84    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 38.185 | 4.5  | 86    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.087 | 7.3  | 82    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 36.722 | 8.2  | 86    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 35.150 | 12.1 | 80    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.326 | 1.7  | 89    | 0.00     |
| 58   | Fluorene                   | 40.000 | 36.980 | 7.6  | 85    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 35.452 | 11.4 | 80    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 37.145 | 7.1  | 86    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.257 | 6.9  | 85    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 38.235 | 4.4  | 87    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 35.407 | 11.5 | 82    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 87    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.656 | -4.1 | 91    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.130 | 4.7  | 85    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.675 | 0.8  | 88    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.404 | 1.5  | 88    | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.257 | 6.9  | 83    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 35.192 | 12.0 | 76    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 36.729 | 8.2  | 82    | 0.00     |
| 72   | Anthracene                 | 40.000 | 37.066 | 7.3  | 83    | 0.00     |
| 73   | Carbazole                  | 40.000 | 36.645 | 8.4  | 83    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 37.611 | 6.0  | 84    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 34.423 | 13.9 | 78    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 77    | 0.00     |
| 77   | Benzydine                  | 40.000 | 35.068 | 12.3 | 70    | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.784 | 0.5  | 77    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 82.567 | -3.2 | 81    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.175 | 2.1  | 76    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.971 | 2.6  | 77    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.668 | 3.3  | 76    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.661 | 3.3  | 76    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.648 | 3.4  | 75    | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 38.783 | 3.0  | 75    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 75    | 0.01     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.555 | 3.6  | 75    | 0.02     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 38.935 | 2.7  | 75    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 38.592 | 3.5  | 74    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.563 | 3.6  | 74    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 38.829 | 2.9  | 75    | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 38.721 | 3.2  | 74    | 0.02     |

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