

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101722\  
 Data File : BG055190.D  
 Acq On : 17 Oct 2022 11:25  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 17 16:32:29 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG101322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 13 05:14:13 2022  
 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   | 83    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 36.199 | 9.5   | 77    | 0.00     |
| 3    | Pyridine                    | 40.000 | 39.155 | 2.1   | 77    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 36.988 | 7.5   | 74    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 79.829 | 0.2   | 80    | 0.00     |
| 6    | Aniline                     | 40.000 | 40.173 | -0.4  | 77    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 80.072 | -0.1  | 77    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 41.939 | -4.8  | 82    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 34.646 | 13.4  | 71    | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.515 | 1.2   | 75    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.708 | 0.7   | 77    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.908 | 0.2   | 80    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.194 | -0.5  | 80    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.559 | -1.4  | 80    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.529 | -1.3  | 77    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.012 | 10.0  | 70    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 40.537 | -1.3  | 77    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.232 | 1.9   | 78    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 39.173 | 2.1   | 73    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 40.676 | -1.7  | 77    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 81    | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.792 | 0.5   | 77    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 77.857 | 2.7   | 76    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.330 | 1.7   | 76    | 0.00     |
| 25   | Isophorone                  | 40.000 | 39.801 | 0.5   | 75    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 42.054 | -5.1  | 78    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.318 | -3.3  | 78    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.308 | 1.7   | 75    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 41.756 | -4.4  | 80    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 41.537 | -3.8  | 81    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 40.552 | -1.4  | 77    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 29.761 | 25.6# | 56    | 0.01     |
| 33   | 4-Chloroaniline             | 40.000 | 42.077 | -5.2  | 80    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.783 | -2.0  | 80    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.132 | -0.3  | 82    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 41.854 | -4.6  | 79    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.906 | -2.3  | 78    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 41.200 | -3.0  | 78    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 84    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.844 | -2.1  | 82    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 37.554 | 6.1   | 70    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 85.215 | -6.5  | 88    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.501 | -1.3  | 79    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 41.067 | -2.7  | 80    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 80.003 | -0.0  | 80    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.061 | -0.2  | 80    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.741 | -1.9  | 82    | 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 | 39.291 | 1.8  | 80    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.549 | -1.4 | 82    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.858 | -2.1 | 85    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.753 | -4.4 | 85    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.003 | -0.0 | 80    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.369 | -0.9 | 84    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 36.424 | 8.9  | 73    | 0.01     |
| 55   | Dibenzofuran               | 40.000 | 40.869 | -2.2 | 83    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 37.790 | 5.5  | 78    | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.282 | -5.7 | 86    | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.517 | -1.3 | 83    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.664 | 0.8  | 79    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 40.924 | -2.3 | 87    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 41.361 | -3.4 | 85    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.888 | 0.3  | 86    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.030 | 2.4  | 80    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 89    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.654 | -4.1 | 84    | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.897 | -2.2 | 84    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 43.027 | -7.6 | 87    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 43.023 | -7.6 | 89    | 0.00     |
| 69   | Atrazine                   | 40.000 | 41.059 | -2.6 | 89    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 34.035 | 14.9 | 68    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.764 | -1.9 | 86    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.644 | -1.6 | 85    | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.004 | -0.0 | 86    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.860 | 2.9  | 85    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.544 | 6.1  | 82    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 84    | 0.01     |
| 77   | Benzidine                  | 40.000 | 38.977 | 2.6  | 83    | 0.00     |
| 78   | Pyrene                     | 40.000 | 41.315 | -3.3 | 82    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 84.014 | -5.0 | 84    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.912 | 0.2  | 79    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.685 | -1.7 | 82    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.864 | -2.2 | 81    | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.156 | -2.9 | 83    | 0.01     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.779 | 3.1  | 78    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.637 | 0.9  | 79    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 85    | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.155 | -2.9 | 84    | 0.06     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.638 | -1.6 | 83    | 0.02     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.223 | -0.6 | 83    | 0.02     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.329 | -0.8 | 82    | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 41.937 | -4.8 | 86    | 0.03     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 41.354 | -3.4 | 85    | 0.05     |

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