

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101221\  
 Data File : BG050546.D  
 Acq On : 12 Oct 2021 10:04  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 12 10:41:00 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 06 15:51:01 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  | 80    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 34.479 | 13.8 | 70    | 0.00     |
| 3    | Pyridine                    | 40.000 | 38.007 | 5.0  | 78    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 39.052 | 2.4  | 82    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 77.725 | 2.8  | 81    | 0.00     |
| 6    | Aniline                     | 40.000 | 40.053 | -0.1 | 85    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 81.659 | -2.1 | 86    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.294 | -0.7 | 85    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 42.024 | -5.1 | 80    | 0.00     |
| 10 C | Phenol                      | 40.000 | 40.491 | -1.2 | 86    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.055 | 2.4  | 82    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.939 | 2.7  | 83    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.139 | 2.2  | 83    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.948 | 2.6  | 83    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 41.791 | -4.5 | 88    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.492 | 6.3  | 80    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 41.254 | -3.1 | 88    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 38.779 | 3.1  | 81    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 41.181 | -3.0 | 87    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.592 | -4.0 | 87    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 91    | 0.00     |
| 22   | Acetophenone                | 40.000 | 36.841 | 7.9  | 87    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 74.294 | 7.1  | 86    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 36.373 | 9.1  | 85    | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.423 | 6.4  | 88    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 40.134 | -0.3 | 91    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 37.319 | 6.7  | 86    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.924 | 7.7  | 86    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.448 | 1.4  | 91    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 37.305 | 6.7  | 88    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 37.469 | 6.3  | 88    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 33.531 | 16.2 | 74    | 0.01     |
| 33   | 4-Chloroaniline             | 40.000 | 39.089 | 2.3  | 92    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 36.964 | 7.6  | 87    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 42.068 | -5.2 | 97    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.296 | 1.8  | 92    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.002 | 5.0  | 90    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 38.094 | 4.8  | 90    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 98    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 36.228 | 9.4  | 91    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 33.114 | 17.2 | 80    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 80.027 | -0.0 | 100   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 37.807 | 5.5  | 93    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 38.023 | 4.9  | 94    | 0.01     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 72.789 | 9.0  | 91    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 36.805 | 8.0  | 93    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 37.009 | 7.5  | 93    | 0.00     |

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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 | 39.655 | 0.9  | 96    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 37.041 | 7.4  | 93    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.668 | 5.8  | 95    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.586 | 1.0  | 97    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.647 | 5.9  | 93    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 39.031 | 2.4  | 97    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.109 | 7.2  | 89    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.554 | 6.1  | 96    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 38.887 | 2.8  | 97    | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.569 | -1.4 | 101   | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.897 | 5.3  | 95    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.187 | 4.5  | 94    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.680 | 3.3  | 98    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.892 | 5.3  | 95    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.763 | 0.6  | 99    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.472 | 6.3  | 95    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 102   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.710 | 0.7  | 102   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 36.782 | 8.0  | 96    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 37.797 | 5.5  | 99    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.039 | 4.9  | 100   | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.468 | 6.3  | 97    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 34.123 | 14.7 | 86    | 0.01     |
| 71   | Phenanthrene               | 40.000 | 37.186 | 7.0  | 98    | 0.00     |
| 72   | Anthracene                 | 40.000 | 36.919 | 7.7  | 97    | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.188 | 7.0  | 98    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 37.604 | 6.0  | 99    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 36.113 | 9.7  | 96    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 96    | 0.01     |
| 77   | Benzydine                  | 40.000 | 38.267 | 4.3  | 96    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.505 | 3.7  | 94    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 79.352 | 0.8  | 98    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.447 | 1.4  | 96    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.290 | 4.3  | 95    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.124 | 2.2  | 96    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.551 | 3.6  | 96    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.609 | 3.5  | 94    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.192 | 2.0  | 95    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 96    | 0.01     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.355 | 4.1  | 94    | 0.02     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 38.781 | 3.0  | 95    | 0.01     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 38.101 | 4.7  | 94    | 0.01     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.361 | 4.1  | 93    | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 38.160 | 4.6  | 94    | 0.02     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 38.143 | 4.6  | 93    | 0.02     |

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