

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081723\  
 Data File : BG058754.D  
 Acq On : 17 Aug 2023 9:09  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 18 01:49:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 28 22:29:07 2023  
 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  | 70    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 34.675 | 13.3 | 61    | 0.00     |
| 3    | Pyridine                    | 40.000 | 35.549 | 11.1 | 62    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 43.362 | -8.4 | 76    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 75.081 | 6.1  | 66    | 0.00     |
| 6    | Aniline                     | 40.000 | 35.532 | 11.2 | 60    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 74.595 | 6.8  | 64    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 37.684 | 5.8  | 66    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 32.666 | 18.3 | 60    | 0.00     |
| 10 C | Phenol                      | 40.000 | 36.949 | 7.6  | 64    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 35.427 | 11.4 | 63    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 37.504 | 6.2  | 66    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 37.920 | 5.2  | 67    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.156 | 7.1  | 65    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 41.601 | -4.0 | 69    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.280 | -8.2 | 76    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 36.134 | 9.7  | 63    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 38.273 | 4.3  | 67    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 34.084 | 14.8 | 60    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 35.777 | 10.6 | 61    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 66    | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.793 | 3.0  | 62    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 79.790 | 0.3  | 64    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.926 | 0.2  | 64    | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.239 | 6.9  | 60    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 38.869 | 2.8  | 61    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.116 | 2.2  | 62    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.655 | 8.4  | 58    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.895 | 0.3  | 63    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.655 | 0.9  | 64    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 37.837 | 5.4  | 62    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 31.489 | 21.3 | 47    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.697 | 0.8  | 61    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.032 | -2.6 | 67    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 36.225 | 9.4  | 57    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.813 | 3.0  | 62    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.190 | 4.5  | 62    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 37.550 | 6.1  | 62    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 66    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 38.386 | 4.0  | 64    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 32.053 | 19.9 | 52    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 73.778 | 7.8  | 60    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 37.509 | 6.2  | 60    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 37.013 | 7.5  | 61    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 75.219 | 6.0  | 63    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 37.235 | 6.9  | 62    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 37.519 | 6.2  | 62    | 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 | 40.477 | -1.2  | 64    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 37.162 | 7.1   | 61    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.446 | 3.9   | 64    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.015 | 2.5   | 64    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.194 | 7.0   | 62    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 38.224 | 4.4   | 60    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 36.057 | 9.9   | 59    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.710 | 5.7   | 63    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 35.507 | 11.2  | 55    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.482 | 1.3   | 63    | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.028 | 4.9   | 64    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.333 | 6.7   | 61    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.020 | 2.4   | 65    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.614 | 3.5   | 65    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.318 | -3.3  | 63    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 36.992 | 7.5   | 61    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 67    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.977 | 2.6   | 61    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.843 | 5.4   | 63    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 37.901 | 5.2   | 63    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 37.140 | 7.1   | 63    | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.989 | 5.0   | 63    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 33.206 | 17.0  | 52    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 37.299 | 6.8   | 62    | 0.00     |
| 72   | Anthracene                 | 40.000 | 37.073 | 7.3   | 62    | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.863 | 5.3   | 61    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.569 | 3.6   | 63    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.253 | 6.9   | 61    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 62    | 0.00     |
| 77   | Benzydine                  | 40.000 | 47.275 | -18.2 | 60    | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.494 | 1.3   | 62    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 79.220 | 1.0   | 62    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.555 | -1.4  | 62    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.078 | 2.3   | 61    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.538 | 1.2   | 60    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.005 | 2.5   | 61    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.682 | -4.2  | 64    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.315 | -0.8  | 62    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 60    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.823 | 0.4   | 59    | 0.02     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.949 | -2.4  | 60    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.292 | -0.7  | 60    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.660 | -1.6  | 60    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 40.189 | -0.5  | 59    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.501 | 1.2   | 58    | 0.00     |

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