

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081321\  
 Data File : BG049829.D  
 Acq On : 13 Aug 2021 10:34  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 13 11:51:34 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 03 15:15:33 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  | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 36.444 | 8.9  | 98    | -0.02    |
| 3    | Pyridine                    | 40.000 | 33.826 | 15.4 | 87    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 36.212 | 9.5  | 95    | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 74.162 | 7.3  | 96    | 0.00     |
| 6    | Aniline                     | 40.000 | 39.796 | 0.5  | 103   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 78.515 | 1.9  | 101   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.568 | 3.6  | 103   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 34.452 | 13.9 | 92    | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.289 | 1.8  | 101   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.943 | 2.6  | 102   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 37.158 | 7.1  | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 37.007 | 7.5  | 98    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.375 | 6.6  | 97    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 39.685 | 0.8  | 101   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.601 | 6.0  | 98    | -0.01    |
| 17   | 2-Methylphenol              | 40.000 | 41.453 | -3.6 | 106   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.226 | 1.9  | 100   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 40.780 | -2.0 | 105   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.392 | -3.5 | 107   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 122   | -0.01    |
| 22   | Acetophenone                | 40.000 | 35.019 | 12.5 | 106   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 67.846 | 15.2 | 101   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 32.978 | 17.6 | 98    | 0.00     |
| 25   | Isophorone                  | 40.000 | 35.302 | 11.7 | 105   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 37.538 | 6.2  | 109   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 36.878 | 7.8  | 109   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.756 | 8.1  | 110   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 36.350 | 9.1  | 109   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 35.746 | 10.6 | 109   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 35.322 | 11.7 | 107   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 34.494 | 13.8 | 101   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 37.007 | 7.5  | 109   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 35.319 | 11.7 | 108   | -0.01    |
| 35   | Caprolactam                 | 40.000 | 36.965 | 7.6  | 112   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 37.583 | 6.0  | 111   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 36.359 | 9.1  | 107   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 35.823 | 10.4 | 108   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 128   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 35.925 | 10.2 | 111   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 36.972 | 7.6  | 115   | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 74.085 | 7.4  | 117   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 36.981 | 7.5  | 112   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 37.053 | 7.4  | 112   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 69.113 | 13.6 | 107   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 35.130 | 12.2 | 109   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 35.539 | 11.2 | 109   | 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 | 34.822 | 12.9 | 106   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 35.160 | 12.1 | 109   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 35.182 | 12.0 | 111   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 36.969 | 7.6  | 111   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 34.534 | 13.7 | 107   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 36.276 | 9.3  | 112   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 38.676 | 3.3  | 119   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 35.617 | 11.0 | 110   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 34.113 | 14.7 | 100   | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 37.115 | 7.2  | 117   | 0.00     |
| 58   | Fluorene                   | 40.000 | 35.204 | 12.0 | 110   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 35.783 | 10.5 | 113   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 35.972 | 10.1 | 113   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 35.620 | 11.0 | 112   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 37.571 | 6.1  | 114   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 33.724 | 15.7 | 106   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 135   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.201 | 7.0  | 117   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 35.317 | 11.7 | 113   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 35.015 | 12.5 | 112   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 35.034 | 12.4 | 113   | 0.00     |
| 69   | Atrazine                   | 40.000 | 35.674 | 10.8 | 115   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 33.928 | 15.2 | 108   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 34.475 | 13.8 | 112   | 0.00     |
| 72   | Anthracene                 | 40.000 | 35.026 | 12.4 | 114   | 0.00     |
| 73   | Carbazole                  | 40.000 | 34.381 | 14.0 | 110   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 34.659 | 13.4 | 112   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 34.049 | 14.9 | 110   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 115   | 0.00     |
| 77   | Benzydine                  | 40.000 | 41.753 | -4.4 | 103   | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.620 | 3.5  | 108   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 75.953 | 5.1  | 106   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 37.529 | 6.2  | 104   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 36.279 | 9.3  | 101   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 35.726 | 10.7 | 97    | 0.00     |
| 83   | Chrysene                   | 40.000 | 36.286 | 9.3  | 104   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 35.930 | 10.2 | 100   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 36.353 | 9.1  | 101   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 112   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 35.234 | 11.9 | 97    | 0.02     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 35.023 | 12.4 | 98    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 35.621 | 10.9 | 97    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 35.357 | 11.6 | 98    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 36.120 | 9.7  | 98    | 0.02     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 36.017 | 10.0 | 100   | 0.02     |

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