

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042322\  
 Data File : BG053286.D  
 Acq On : 23 Apr 2022 10:33  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 24 02:47:56 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Apr 24 01:13:30 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   | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 40.613 | -1.5  | 108   | 0.00     |
| 3    | Pyridine                    | 40.000 | 43.650 | -9.1  | 109   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 43.327 | -8.3  | 110   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 86.003 | -7.5  | 113   | 0.00     |
| 6    | Aniline                     | 40.000 | 41.731 | -4.3  | 107   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 83.607 | -4.5  | 107   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 42.572 | -6.4  | 110   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.528 | 1.2   | 115   | 0.00     |
| 10 C | Phenol                      | 40.000 | 42.480 | -6.2  | 112   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 40.996 | -2.5  | 109   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.532 | -1.3  | 106   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 41.507 | -3.8  | 109   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.719 | -1.8  | 109   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.299 | -0.7  | 103   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.093 | -2.7  | 105   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 42.085 | -5.2  | 111   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 41.158 | -2.9  | 106   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 41.035 | -2.6  | 106   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.764 | -4.4  | 108   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 104   | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.501 | -3.8  | 104   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 81.351 | -1.7  | 102   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 41.611 | -4.0  | 107   | 0.00     |
| 25   | Isophorone                  | 40.000 | 40.725 | -1.8  | 100   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 42.081 | -5.2  | 104   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 42.755 | -6.9  | 105   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.264 | -3.2  | 102   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 42.072 | -5.2  | 103   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 41.256 | -3.1  | 103   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 42.127 | -5.3  | 105   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 40.298 | -0.7  | 96    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 41.001 | -2.5  | 101   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.273 | -0.7  | 101   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.659 | -1.6  | 99    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 41.487 | -3.7  | 102   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 41.470 | -3.7  | 104   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 40.751 | -1.9  | 102   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 99    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 41.545 | -3.9  | 102   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 46.764 | -16.9 | 111   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 81.608 | -2.0  | 98    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 41.223 | -3.1  | 99    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.422 | -1.1  | 97    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 83.620 | -4.5  | 103   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.940 | -4.8  | 104   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 41.035 | -2.6  | 101   | 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 | 41.218 | -3.0 | 97    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 42.118 | -5.3 | 102   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.390 | -1.0 | 99    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.920 | 0.2  | 98    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.920 | -2.3 | 99    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.472 | -3.7 | 99    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.121 | 7.2  | 87    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 41.221 | -3.1 | 102   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.421 | 1.4  | 91    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.622 | -4.1 | 100   | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.913 | -2.3 | 101   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.024 | -2.6 | 98    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.459 | 1.4  | 97    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.966 | -2.4 | 100   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.831 | -2.1 | 100   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.739 | -1.8 | 100   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 99    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.465 | -6.2 | 100   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.283 | -3.2 | 100   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.146 | -2.9 | 98    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.507 | -1.3 | 97    | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.090 | 4.8  | 93    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.718 | -4.3 | 93    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.765 | -1.9 | 99    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.942 | -2.4 | 99    | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.235 | -0.6 | 98    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.235 | -0.6 | 98    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.727 | -1.8 | 100   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 105   | 0.00     |
| 77   | Benzydine                  | 40.000 | 34.128 | 14.7 | 94    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.930 | 2.7  | 99    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 77.222 | 3.5  | 99    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.010 | -0.0 | 101   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.814 | 0.5  | 102   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.149 | 2.1  | 101   | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.339 | -0.8 | 104   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.006 | -2.5 | 106   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.758 | -1.9 | 105   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 107   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.816 | -2.0 | 105   | -0.01    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.942 | 0.1  | 104   | -0.01    |
| 89   | Benzo(k)fluoranthene       | 40.000 | 41.239 | -3.1 | 107   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.672 | -1.7 | 105   | -0.01    |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 40.584 | -1.5 | 106   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 40.445 | -1.1 | 105   | -0.02    |

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| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
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(#) = Out of Range                      SPCC's out = 0    CCC's out = 0