

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052523\  
 Data File : BG057560.D  
 Acq On : 25 May 2023 16:22  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 26 02:58:46 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 26 02:58:05 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   | 136   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 36.246 | 9.4   | 124   | 0.00     |
| 3    | Pyridine                    | 40.000 | 35.536 | 11.2  | 116   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 32.667 | 18.3  | 106   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 79.911 | 0.1   | 132   | 0.00     |
| 6    | Aniline                     | 40.000 | 38.451 | 3.9   | 127   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 80.304 | -0.4  | 133   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.716 | 0.7   | 133   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 35.198 | 12.0  | 122   | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.116 | 2.2   | 128   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 37.593 | 6.0   | 126   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.271 | 1.8   | 132   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.022 | -0.1  | 133   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.431 | 1.4   | 134   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 37.468 | 6.3   | 120   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.391 | 9.0   | 122   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 39.759 | 0.6   | 131   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.536 | 1.2   | 134   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 34.833 | 12.9  | 117   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 40.497 | -1.2  | 134   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 132   | 0.00     |
| 22   | Acetophenone                | 40.000 | 37.428 | 6.4   | 122   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 75.052 | 6.2   | 121   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 37.007 | 7.5   | 119   | 0.00     |
| 25   | Isophorone                  | 40.000 | 35.734 | 10.7  | 117   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 42.224 | -5.6  | 135   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.300 | -3.2  | 130   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 37.569 | 6.1   | 122   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 41.671 | -4.2  | 134   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.567 | 1.1   | 130   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 40.078 | -0.2  | 130   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 36.140 | 9.6   | 116   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 40.239 | -0.6  | 128   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 37.153 | 7.1   | 123   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 41.287 | -3.2  | 130   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 41.422 | -3.6  | 134   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.164 | 2.1   | 128   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.405 | 1.5   | 129   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 128   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.663 | -1.7  | 126   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 48.160 | -20.4 | 158   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 86.710 | -8.4  | 136   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.836 | -2.1  | 124   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.402 | -1.0  | 122   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 78.827 | 1.5   | 123   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.298 | -0.7  | 125   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.356 | -0.9  | 125   | 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 | 40.263 | -0.7  | 123   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 41.131 | -2.8  | 128   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.449 | 3.9   | 123   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.437 | -3.6  | 129   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.065 | -0.2  | 124   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.731 | -1.8  | 128   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.822 | 5.4   | 118   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.510 | -1.3  | 127   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 38.923 | 2.7   | 113   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.511 | -6.3  | 133   | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.525 | -1.3  | 128   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.930 | 0.2   | 122   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.540 | 3.7   | 122   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.061 | 2.3   | 122   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 42.187 | -5.5  | 129   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 36.971 | 7.6   | 116   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 130   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.183 | -5.5  | 124   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.165 | -0.4  | 126   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.236 | -0.6  | 127   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.459 | -3.6  | 132   | 0.00     |
| 69   | Atrazine                   | 40.000 | 41.360 | -3.4  | 131   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 43.177 | -7.9  | 129   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.520 | -1.3  | 129   | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.374 | -0.9  | 127   | 0.00     |
| 73   | Carbazole                  | 40.000 | 41.057 | -2.6  | 131   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.914 | -4.8  | 131   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.221 | 1.9   | 124   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 123   | 0.00     |
| 77   | Benzidine                  | 40.000 | 30.701 | 23.2  | 107   | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.983 | -2.5  | 125   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 79.901 | 0.1   | 123   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 46.323 | -15.8 | 137   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.232 | -0.6  | 120   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.646 | -1.6  | 119   | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.521 | -1.3  | 122   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.795 | -9.5  | 129   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.411 | -8.5  | 128   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 126   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.690 | 0.8   | 122   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 38.320 | 4.2   | 118   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 38.224 | 4.4   | 118   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.436 | 3.9   | 119   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 39.861 | 0.3   | 122   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 40.316 | -0.8  | 125   | 0.00     |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

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