

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062822\  
 Data File : BG054121.D  
 Acq On : 28 Jun 2022 17:29  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 29 00:49:40 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 27 00:27:54 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    | 102   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 33.701 | 15.7   | 85    | 0.00     |
| 3    | Pyridine                    | 40.000 | 38.928 | 2.7    | 95    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 42.747 | -6.9   | 103   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 83.016 | -3.8   | 104   | 0.00     |
| 6    | Aniline                     | 40.000 | 42.715 | -6.8   | 106   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 89.213 | -11.5  | 112   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 43.941 | -9.9   | 110   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 40.255 | -0.6   | 110   | 0.00     |
| 10 C | Phenol                      | 40.000 | 45.393 | -13.5  | 111   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 42.226 | -5.6   | 108   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.623 | -1.6   | 105   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.300 | -0.7   | 105   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 41.052 | -2.6   | 104   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 46.410 | -16.0  | 114   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 44.581 | -11.5  | 113   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 46.121 | -15.3  | 116   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 42.152 | -5.4   | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 46.740 | -16.9  | 117   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 46.854 | -17.1  | 117   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 117   | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.892 | 2.8    | 112   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 80.329 | -0.4   | 115   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.157 | -0.4   | 115   | 0.00     |
| 25   | Isophorone                  | 40.000 | 39.882 | 0.3    | 116   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 45.621 | -14.1  | 127   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.493 | -3.7   | 119   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.298 | -0.7   | 117   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 42.968 | -7.4   | 123   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 37.863 | 5.3    | 109   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.114 | 2.2    | 113   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 56.844 | -42.1# | 206   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 41.081 | -2.7   | 117   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 37.140 | 7.1    | 106   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 45.379 | -13.4  | 124   | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 43.337 | -8.3   | 122   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.716 | -1.8   | 117   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 40.103 | -0.3   | 117   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 120   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 37.748 | 5.6    | 112   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 47.582 | -19.0  | 137   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 77.520 | 3.1    | 113   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 41.978 | -4.9   | 121   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 42.045 | -5.1   | 122   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 77.496 | 3.1    | 116   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.148 | 2.1    | 116   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.526 | 1.2    | 117   | 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 | 43.365 | -8.4   | 124   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.652 | 0.9    | 117   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.056 | 2.4    | 116   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.564 | -3.9   | 120   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.473 | -1.2   | 120   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.830 | -2.1   | 116   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 42.375 | -5.9   | 137   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.232 | 1.9    | 117   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.647 | -1.6   | 116   | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.426 | -3.6   | 119   | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.069 | 2.3    | 117   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.939 | -2.3   | 119   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.484 | 1.3    | 119   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.439 | 3.9    | 115   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.134 | -0.3   | 117   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.578 | -1.4   | 122   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 116   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 45.975 | -14.9  | 128   | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.403 | -1.0   | 115   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.809 | 0.5    | 113   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 37.932 | 5.2    | 109   | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.822 | 2.9    | 108   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.710 | -1.8   | 113   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.430 | 3.9    | 110   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.759 | 3.1    | 111   | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.409 | 4.0    | 110   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.958 | 0.1    | 113   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 34.734 | 13.2   | 100   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 96    | 0.00     |
| 77   | Benzydine                  | 40.000 | 58.811 | -47.0# | 135   | 0.00     |
| 78   | Pyrene                     | 40.000 | 42.878 | -7.2   | 100   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 82.406 | -3.0   | 96    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 45.273 | -13.2  | 104   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.802 | 0.5    | 94    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.969 | -2.4   | 94    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.524 | 1.2    | 94    | 0.01     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 44.433 | -11.1  | 102   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 44.847 | -12.1  | 103   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 94    | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.313 | 1.7    | 91    | 0.03     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.154 | 2.1    | 90    | 0.01     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 38.448 | 3.9    | 91    | 0.01     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.182 | 2.0    | 90    | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 39.427 | 1.4    | 92    | 0.03     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 38.578 | 3.6    | 90    | 0.02     |

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

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 0