

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012523\  
 Data File : BM038533.D  
 Acq On : 25 Jan 2023 15:59  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 25 23:16:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM012023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 21 01:21:49 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   | 79    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 40.438 | -1.1  | 79    | 0.00     |
| 3    | Pyridine                    | 40.000 | 41.896 | -4.7  | 74    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 44.081 | -10.2 | 85    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 83.703 | -4.6  | 79    | 0.00     |
| 6    | Aniline                     | 40.000 | 42.477 | -6.2  | 80    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 85.283 | -6.6  | 81    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 42.562 | -6.4  | 81    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 40.937 | -2.3  | 79    | 0.00     |
| 10 C | Phenol                      | 40.000 | 42.577 | -6.4  | 81    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 43.195 | -8.0  | 83    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 41.712 | -4.3  | 80    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 42.108 | -5.3  | 80    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 42.727 | -6.8  | 82    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 45.722 | -14.3 | 85    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.228 | -8.1  | 82    | -0.01    |
| 17   | 2-Methylphenol              | 40.000 | 43.611 | -9.0  | 82    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 44.334 | -10.8 | 84    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 46.196 | -15.5 | 87    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 44.502 | -11.3 | 83    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 85    | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.527 | -3.8  | 86    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 84.268 | -5.3  | 87    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 42.127 | -5.3  | 88    | 0.00     |
| 25   | Isophorone                  | 40.000 | 42.503 | -6.3  | 87    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 41.331 | -3.3  | 84    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.189 | -3.0  | 84    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 42.989 | -7.5  | 88    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 43.251 | -8.1  | 88    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 42.874 | -7.2  | 89    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 41.240 | -3.1  | 85    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 38.893 | 2.8   | 86    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 42.694 | -6.7  | 86    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 43.349 | -8.4  | 89    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 45.009 | -12.5 | 91    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 45.444 | -13.6 | 92    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 43.424 | -8.6  | 89    | -0.01    |
| 38   | 1-Methylnaphthalene         | 40.000 | 43.298 | -8.2  | 89    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.210 | -0.5  | 93    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 41.414 | -3.5  | 93    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 93.707 | -17.1 | 110   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.956 | -2.4  | 93    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.816 | -2.0  | 94    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 81.761 | -2.2  | 95    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.403 | 1.5   | 92    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.752 | 0.6   | 92    | 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 | 42.915 | -7.3  | 96    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.909 | -2.3  | 95    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 41.283 | -3.2  | 97    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.047 | -5.1  | 96    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.797 | -2.0  | 95    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 43.037 | -7.6  | 97    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 39.673 | 0.8   | 98    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 41.890 | -4.7  | 98    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 41.097 | -2.7  | 97    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 44.381 | -11.0 | 101   | 0.00     |
| 58   | Fluorene                   | 40.000 | 44.168 | -10.4 | 102   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 44.369 | -10.9 | 102   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 43.831 | -9.6  | 102   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 44.552 | -11.4 | 104   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.315 | -3.3  | 104   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 44.070 | -10.2 | 102   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 108   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.240 | -5.6  | 104   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.847 | -2.1  | 103   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.148 | -5.4  | 108   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 42.506 | -6.3  | 110   | 0.00     |
| 69   | Atrazine                   | 40.000 | 42.242 | -5.6  | 105   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 44.370 | -10.9 | 110   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 42.211 | -5.5  | 108   | 0.00     |
| 72   | Anthracene                 | 40.000 | 42.921 | -7.3  | 109   | 0.00     |
| 73   | Carbazole                  | 40.000 | 43.274 | -8.2  | 110   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 44.387 | -11.0 | 111   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 44.741 | -11.9 | 115   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 125   | 0.00     |
| 77   | Benzydine                  | 40.000 | 42.092 | -5.2  | 118   | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.772 | 0.6   | 115   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.735 | 1.6   | 115   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.521 | -3.8  | 119   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.223 | -3.1  | 123   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 43.228 | -8.1  | 126   | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.444 | -3.6  | 123   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.293 | -8.2  | 124   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.575 | -8.9  | 128   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 128   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.968 | -4.9  | 128   | -0.01    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 42.620 | -6.5  | 127   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 42.228 | -5.6  | 126   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 42.605 | -6.5  | 127   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 42.165 | -5.4  | 129   | -0.01    |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 41.574 | -3.9  | 128   | -0.01    |

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