

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021324\  
 Data File : BM044071.D  
 Acq On : 13 Feb 2024 18:19  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 14 00:58:31 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM020824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 09 02:42:01 2024  
 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   | 131   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 42.137 | -5.3  | 143   | 0.00     |
| 3    | Pyridine                    | 40.000 | 44.392 | -11.0 | 148   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 46.110 | -15.3 | 152   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 81.441 | -1.8  | 138   | 0.00     |
| 6    | Aniline                     | 40.000 | 41.992 | -5.0  | 139   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 84.025 | -5.0  | 141   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.219 | -0.5  | 136   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 41.797 | -4.5  | 141   | 0.00     |
| 10 C | Phenol                      | 40.000 | 41.689 | -4.2  | 140   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 42.282 | -5.7  | 142   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.212 | 4.5   | 129   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.444 | 3.9   | 130   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.567 | 3.6   | 131   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 42.220 | -5.5  | 140   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.941 | -2.4  | 138   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 41.285 | -3.2  | 138   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.873 | 0.3   | 135   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 43.797 | -9.5  | 146   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.951 | -4.9  | 139   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 138   | -0.01    |
| 22   | Acetophenone                | 40.000 | 40.639 | -1.6  | 143   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 81.912 | -2.4  | 144   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.075 | -0.2  | 140   | 0.00     |
| 25   | Isophorone                  | 40.000 | 41.480 | -3.7  | 144   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 40.844 | -2.1  | 140   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.759 | 0.6   | 138   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.721 | -1.8  | 143   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.170 | 2.1   | 136   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 37.486 | 6.3   | 132   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.465 | 3.8   | 137   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 41.533 | -3.8  | 142   | 0.02     |
| 33   | 4-Chloroaniline             | 40.000 | 40.093 | -0.2  | 141   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 36.235 | 9.4   | 128   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 43.527 | -8.8  | 150   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 41.489 | -3.7  | 143   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.262 | 1.8   | 138   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.283 | 1.8   | 140   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 139   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 37.708 | 5.7   | 133   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 37.481 | 6.3   | 129   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 76.121 | 4.8   | 130   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 39.931 | 0.2   | 138   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 39.842 | 0.4   | 137   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 76.907 | 3.9   | 137   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.281 | 1.8   | 138   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.162 | 2.1   | 138   | 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 | 43.033 | -7.6  | 148   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.081 | 2.3   | 137   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.695 | 0.8   | 140   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.756 | -1.9  | 140   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.560 | 1.1   | 140   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.618 | -4.0  | 142   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 40.001 | -0.0  | 151   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.237 | 4.4   | 136   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 41.257 | -3.1  | 139   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.840 | -4.6  | 143   | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.048 | 2.4   | 139   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.750 | 3.1   | 134   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 40.386 | -1.0  | 143   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.804 | 5.5   | 134   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.612 | -4.0  | 143   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 42.297 | -5.7  | 148   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 136   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.199 | -5.5  | 146   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.799 | -2.0  | 142   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.091 | -0.2  | 139   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 37.306 | 6.7   | 130   | 0.00     |
| 69   | Atrazine                   | 40.000 | 39.189 | 2.0   | 128   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 38.688 | 3.3   | 128   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.513 | 1.2   | 137   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.763 | 0.6   | 137   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.432 | 1.4   | 136   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.498 | -3.7  | 141   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.619 | 3.5   | 134   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 121   | 0.00     |
| 77   | Benzydine                  | 40.000 | 45.099 | -12.7 | 104   | 0.00     |
| 78   | Pyrene                     | 40.000 | 42.844 | -7.1  | 133   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 81.509 | -1.9  | 126   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 44.936 | -12.3 | 134   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.005 | -0.0  | 124   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.187 | 4.5   | 114   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.559 | 1.1   | 123   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.598 | -9.0  | 130   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.601 | -4.0  | 124   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 109   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.889 | 5.3   | 105   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 41.360 | -3.4  | 115   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.617 | -1.5  | 112   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.440 | -1.1  | 112   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 37.887 | 5.3   | 104   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 37.291 | 6.8   | 103   | 0.00     |

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

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