

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP032822\  
 Data File : BP009560.D  
 Acq On : 28 Mar 2022 10:15  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 29 03:10:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 25 06:34:38 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   | 150   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 40.984 | -2.5  | 162   | 0.00     |
| 3    | Pyridine                    | 40.000 | 42.671 | -6.7  | 164   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 42.143 | -5.4  | 165   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 81.294 | -1.6  | 158   | 0.00     |
| 6    | Aniline                     | 40.000 | 40.707 | -1.8  | 158   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 80.899 | -1.1  | 159   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.664 | 0.8   | 155   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 41.232 | -3.1  | 164   | 0.00     |
| 10 C | Phenol                      | 40.000 | 40.596 | -1.5  | 159   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 41.352 | -3.4  | 162   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.141 | 2.1   | 154   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.938 | 2.7   | 153   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.855 | 2.9   | 153   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 38.813 | 3.0   | 151   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 44.478 | -11.2 | 175   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 39.467 | 1.3   | 155   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.564 | 1.1   | 155   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 40.796 | -2.0  | 161   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 40.108 | -0.3  | 156   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 152   | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.870 | 0.3   | 156   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 80.414 | -0.5  | 156   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.536 | -1.3  | 159   | 0.00     |
| 25   | Isophorone                  | 40.000 | 40.937 | -2.3  | 161   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 40.352 | -0.9  | 155   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.635 | -1.6  | 158   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.901 | -4.8  | 164   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.652 | -1.6  | 157   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.509 | 1.2   | 154   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.632 | 0.9   | 156   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 40.176 | -0.4  | 153   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.438 | 1.4   | 154   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 38.366 | 4.1   | 150   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 35.571 | 11.1  | 144   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 37.893 | 5.3   | 151   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.244 | 1.9   | 156   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.118 | 2.2   | 155   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 150   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.935 | 0.2   | 152   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 33.467 | 16.3  | 129   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 64.790 | 19.0  | 125   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.216 | -0.5  | 151   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 39.507 | 1.2   | 150   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 79.070 | 1.2   | 150   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.105 | -0.3  | 153   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.636 | 0.9   | 151   | 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 | 38.762 | 3.1   | 146   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.128 | 2.2   | 150   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.415 | 6.5   | 144   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 37.388 | 6.5   | 141   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.142 | 2.1   | 151   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 36.316 | 9.2   | 138   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 33.846 | 15.4  | 131   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.225 | 4.4   | 148   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 34.022 | 14.9  | 126   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 35.418 | 11.5  | 134   | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.081 | 7.3   | 144   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 36.929 | 7.7   | 141   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 36.007 | 10.0  | 140   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 36.930 | 7.7   | 143   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 33.138 | 17.2  | 125   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.318 | 1.7   | 151   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 129   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.494 | -1.2  | 126   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.897 | -7.2  | 142   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.091 | -2.7  | 137   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.958 | 2.6   | 129   | 0.00     |
| 69   | Atrazine                   | 40.000 | 39.320 | 1.7   | 125   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 39.936 | 0.2   | 125   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.461 | 1.3   | 132   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.613 | 1.0   | 132   | 0.00     |
| 73   | Carbazole                  | 40.000 | 36.889 | 7.8   | 123   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 37.572 | 6.1   | 123   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 34.128 | 14.7  | 114   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 77   | Benzydine                  | 40.000 | 33.240 | 16.9  | 88    | 0.00     |
| 78   | Pyrene                     | 40.000 | 44.660 | -11.6 | 113   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 84.563 | -5.7  | 106   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.249 | -3.1  | 104   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.740 | 0.6   | 103   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 37.154 | 7.1   | 96    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.565 | 1.1   | 102   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.128 | -5.3  | 107   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.066 | -2.7  | 106   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 98    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.812 | -2.0  | 102   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 38.718 | 3.2   | 98    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.452 | -1.1  | 101   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.753 | 0.6   | 100   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 40.659 | -1.6  | 102   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 41.202 | -3.0  | 103   | 0.00     |

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