

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122320\  
 Data File : BP004418.D  
 Acq On : 23 Dec 2020 11:18  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 23 12:42:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270E-BP121120.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 15 10:27:21 2020  
 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   | 92    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 41.984 | -5.0  | 95    | 0.00     |
| 3    | Pyridine                    | 40.000 | 35.119 | 12.2  | 78    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 34.273 | 14.3  | 74    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 79.875 | 0.2   | 87    | 0.00     |
| 6    | Aniline                     | 40.000 | 39.589 | 1.0   | 86    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 79.676 | 0.4   | 86    | 0.01     |
| 8    | 2-Chlorophenol              | 40.000 | 41.657 | -4.1  | 91    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 37.543 | 6.1   | 93    | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.619 | 1.0   | 86    | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.254 | 1.9   | 87    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.802 | 0.5   | 90    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.143 | -0.4  | 90    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.681 | 0.8   | 89    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 43.107 | -7.8  | 91    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.186 | 12.0  | 78    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 42.772 | -6.9  | 91    | 0.01     |
| 18   | Hexachloroethane            | 40.000 | 40.508 | -1.3  | 91    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 39.124 | 2.2   | 84    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 43.715 | -9.3  | 92    | 0.01     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 92    | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.590 | 1.0   | 88    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 78.842 | 1.4   | 87    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.433 | 1.4   | 87    | 0.00     |
| 25   | Isophorone                  | 40.000 | 41.608 | -4.0  | 89    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 47.573 | -18.9 | 111   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 42.468 | -6.2  | 91    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.075 | 2.3   | 86    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 45.944 | -14.9 | 96    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 41.390 | -3.5  | 93    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.843 | 0.4   | 89    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 48.040 | -20.1 | 118   | 0.04     |
| 33   | 4-Chloroaniline             | 40.000 | 40.885 | -2.2  | 88    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 43.234 | -8.1  | 97    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 42.546 | -6.4  | 92    | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 43.771 | -9.4  | 92    | 0.01     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.837 | 0.4   | 88    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.639 | 0.9   | 88    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 91    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 42.018 | -5.0  | 92    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 42.696 | -6.7  | 91    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 86.894 | -8.6  | 95    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 44.499 | -11.2 | 99    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 43.745 | -9.4  | 97    | 0.02     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 79.007 | 1.2   | 87    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.063 | -0.2  | 89    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.151 | -0.4  | 89    | 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 | 39.278 | 1.8    | 86    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.430 | -1.1   | 88    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.210 | -0.5   | 88    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.636 | -6.6   | 90    | 0.01     |
| 52 C | Acenaphthene               | 40.000 | 38.872 | 2.8    | 86    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.160 | -5.4   | 87    | 0.01     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 47.602 | -19.0  | 114   | 0.02     |
| 55   | Dibenzofuran               | 40.000 | 39.059 | 2.4    | 87    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.904 | -2.3   | 87    | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.043 | -2.6   | 90    | 0.02     |
| 58   | Fluorene                   | 40.000 | 38.514 | 3.7    | 84    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 44.432 | -11.1  | 92    | 0.01     |
| 60   | Diethylphthalate           | 40.000 | 40.434 | -1.1   | 87    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.065 | -0.2   | 88    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.163 | -2.9   | 84    | 0.01     |
| 63   | Azobenzene                 | 40.000 | 37.963 | 5.1    | 82    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 87    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 50.040 | -25.1# | 113   | 0.02     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.069 | -2.7   | 86    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 43.825 | -9.6   | 91    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.141 | -2.9   | 88    | 0.01     |
| 69   | Atrazine                   | 40.000 | 37.309 | 6.7    | 74    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 42.201 | -5.5   | 87    | 0.01     |
| 71   | Phenanthrene               | 40.000 | 38.974 | 2.6    | 83    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.140 | -0.4   | 83    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.359 | 1.6    | 81    | 0.01     |
| 74   | Di-n-butylphthalate        | 40.000 | 43.583 | -9.0   | 85    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.569 | 3.6    | 80    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 71    | 0.01     |
| 77   | Benzidine                  | 40.000 | 60.734 | -51.8# | 79    | 0.00     |
| 78   | Pyrene                     | 40.000 | 46.287 | -15.7  | 77    | 0.01     |
| 79 S | Terphenyl-d14              | 80.000 | 90.333 | -12.9  | 77    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 48.361 | -20.9  | 87    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.853 | -4.6   | 71    | 0.01     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.253 | -5.6   | 73    | 0.01     |
| 83   | Chrysene                   | 40.000 | 40.716 | -1.8   | 70    | 0.01     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.272 | -8.2   | 77    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.428 | -8.6   | 79    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 64    | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.352 | -3.4   | 62    | 0.04     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 42.128 | -5.3   | 63    | 0.01     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 41.711 | -4.3   | 65    | 0.01     |
| 90 C | Benzo(a)pyrene             | 40.000 | 42.687 | -6.7   | 63    | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 41.033 | -2.6   | 62    | 0.04     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 42.089 | -5.2   | 63    | 0.04     |

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