

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101122\  
 Data File : BF130618.D  
 Acq On : 11 Oct 2022 14:58  
 Operator : CG\JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF101122

Quant Time: Oct 12 06:57:24 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 12 06:52:52 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   | 75    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 30.617 | 23.5  | 55    | 0.00     |
| 3    | Pyridine                    | 40.000 | 44.594 | -11.5 | 70    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 43.956 | -9.9  | 71    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 85.844 | -7.3  | 75    | 0.00     |
| 6    | Aniline                     | 40.000 | 41.911 | -4.8  | 79    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 83.950 | -4.9  | 79    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 42.998 | -7.5  | 80    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 40.164 | -0.4  | 76    | 0.00     |
| 10 C | Phenol                      | 40.000 | 41.634 | -4.1  | 79    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 41.924 | -4.8  | 78    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 42.558 | -6.4  | 78    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 42.690 | -6.7  | 76    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 43.206 | -8.0  | 73    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 44.313 | -10.8 | 72    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.543 | -3.9  | 70    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 43.056 | -7.6  | 74    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 42.315 | -5.8  | 70    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 41.082 | -2.7  | 70    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 40.923 | -2.3  | 71    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 73    | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.438 | -3.6  | 71    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 83.905 | -4.9  | 73    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 41.974 | -4.9  | 73    | 0.00     |
| 25   | Isophorone                  | 40.000 | 41.298 | -3.2  | 74    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 43.306 | -8.3  | 71    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.563 | -3.9  | 67    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.503 | -3.8  | 69    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 43.260 | -8.1  | 80    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 42.571 | -6.4  | 79    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 41.723 | -4.3  | 72    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 43.224 | -8.1  | 67    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 41.674 | -4.2  | 71    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 44.214 | -10.5 | 78    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 41.807 | -4.5  | 67    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.009 | -5.0  | 70    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 42.972 | -7.4  | 91    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 42.635 | -6.6  | 90    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 89    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 42.668 | -6.7  | 91    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 40.427 | -1.1  | 93    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 89.938 | -12.4 | 90    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 43.418 | -8.5  | 91    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 43.053 | -7.6  | 89    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 84.294 | -5.4  | 90    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 42.117 | -5.3  | 89    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 42.288 | -5.7  | 91    | 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 | 42.527 | -6.3   | 88    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 41.760 | -4.4   | 89    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 42.425 | -6.1   | 90    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.317 | -5.8   | 89    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.970 | -4.9   | 89    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.815 | -4.5   | 87    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 39.716 | 0.7    | 86    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 42.119 | -5.3   | 90    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 45.546 | -13.9  | 88    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.660 | -6.6   | 89    | 0.00     |
| 58   | Fluorene                   | 40.000 | 41.560 | -3.9   | 88    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.919 | -4.8   | 87    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 41.936 | -4.8   | 89    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.896 | -7.2   | 91    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.609 | -1.5   | 86    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.692 | -1.7   | 87    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 86    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 45.302 | -13.3  | 90    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.928 | -4.8   | 88    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 43.651 | -9.1   | 89    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 43.898 | -9.7   | 91    | 0.00     |
| 69   | Atrazine                   | 40.000 | 44.461 | -11.2  | 88    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 45.884 | -14.7  | 90    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 41.978 | -4.9   | 87    | 0.00     |
| 72   | Anthracene                 | 40.000 | 41.669 | -4.2   | 87    | 0.00     |
| 73   | Carbazole                  | 40.000 | 41.568 | -3.9   | 88    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.970 | -4.9   | 86    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 41.664 | -4.2   | 85    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 83    | 0.00     |
| 77   | Benzidine                  | 40.000 | 36.124 | 9.7    | 77    | 0.00     |
| 78   | Pyrene                     | 40.000 | 43.097 | -7.7   | 84    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 87.631 | -9.5   | 85    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.130 | -7.8   | 83    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.766 | -4.4   | 84    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.152 | -2.9   | 82    | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.414 | -3.5   | 83    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 44.270 | -10.7  | 87    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 44.020 | -10.1  | 88    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 89    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 46.363 | -15.9  | 91    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 41.476 | -3.7   | 87    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 42.894 | -7.2   | 88    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 42.784 | -7.0   | 89    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 47.010 | -17.5  | 91    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 50.755 | -26.9# | 91    | 0.00     |

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| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
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(#) = Out of Range                      SPCC's out = 0    CCC's out = 0