

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081522\  
 Data File : BF129782.D  
 Acq On : 15 Aug 2022 15:57  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 16 03:13:28 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 15 02:28:31 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  | 99    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 38.139 | 4.7  | 100   | -0.01    |
| 3    | Pyridine                    | 40.000 | 38.624 | 3.4  | 102   | -0.02    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 38.169 | 4.6  | 98    | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 74.412 | 7.0  | 100   | 0.00     |
| 6    | Aniline                     | 40.000 | 37.386 | 6.5  | 101   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 74.136 | 7.3  | 100   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 37.331 | 6.7  | 99    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.642 | 0.9  | 98    | 0.00     |
| 10 C | Phenol                      | 40.000 | 37.095 | 7.3  | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 37.521 | 6.2  | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 37.514 | 6.2  | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 37.111 | 7.2  | 100   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.134 | 7.2  | 100   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 35.527 | 11.2 | 96    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.109 | 7.2  | 99    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 36.779 | 8.1  | 99    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 37.905 | 5.2  | 101   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 36.835 | 7.9  | 97    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 37.526 | 6.2  | 100   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 98    | 0.00     |
| 22   | Acetophenone                | 40.000 | 36.703 | 8.2  | 99    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 73.803 | 7.7  | 98    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 36.779 | 8.1  | 98    | 0.00     |
| 25   | Isophorone                  | 40.000 | 36.794 | 8.0  | 97    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 38.461 | 3.8  | 100   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 36.811 | 8.0  | 97    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.973 | 7.6  | 96    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 37.100 | 7.2  | 97    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 37.205 | 7.0  | 99    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 36.795 | 8.0  | 99    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 36.681 | 8.3  | 90    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 37.190 | 7.0  | 98    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 37.525 | 6.2  | 99    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 36.730 | 8.2  | 97    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 36.956 | 7.6  | 98    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 36.812 | 8.0  | 98    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 37.030 | 7.4  | 99    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 99    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 36.252 | 9.4  | 97    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 39.000 | 2.5  | 95    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 73.178 | 8.5  | 96    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 36.577 | 8.6  | 96    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 37.234 | 6.9  | 96    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 71.909 | 10.1 | 98    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 36.365 | 9.1  | 98    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 36.329 | 9.2  | 98    | 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 | 36.710 | 8.2   | 96    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 35.906 | 10.2  | 96    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 36.176 | 9.6   | 97    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 36.848 | 7.9   | 97    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 36.171 | 9.6   | 97    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 36.662 | 8.3   | 97    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 35.324 | 11.7  | 91    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 35.872 | 10.3  | 98    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 35.719 | 10.7  | 89    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 36.260 | 9.4   | 99    | 0.00     |
| 58   | Fluorene                   | 40.000 | 35.799 | 10.5  | 98    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.129 | 4.7   | 97    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 36.444 | 8.9   | 98    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 35.984 | 10.0  | 97    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 35.983 | 10.0  | 96    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 36.397 | 9.0   | 98    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 98    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.960 | 2.6   | 95    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 36.831 | 7.9   | 99    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 36.672 | 8.3   | 97    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 36.821 | 7.9   | 98    | 0.00     |
| 69   | Atrazine                   | 40.000 | 36.925 | 7.7   | 100   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 32.449 | 18.9  | 82    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 36.544 | 8.6   | 98    | 0.00     |
| 72   | Anthracene                 | 40.000 | 36.658 | 8.4   | 98    | 0.00     |
| 73   | Carbazole                  | 40.000 | 36.319 | 9.2   | 99    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 37.136 | 7.2   | 100   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 36.387 | 9.0   | 99    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 77   | Benzydine                  | 40.000 | 49.906 | -24.8 | 125   | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.097 | 4.8   | 99    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 75.919 | 5.1   | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 37.802 | 5.5   | 102   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 36.682 | 8.3   | 102   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 36.118 | 9.7   | 103   | 0.00     |
| 83   | Chrysene                   | 40.000 | 36.886 | 7.8   | 103   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.449 | 6.4   | 105   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 37.365 | 6.6   | 106   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 103   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.644 | -1.6  | 104   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 36.604 | 8.5   | 101   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 35.328 | 11.7  | 105   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 36.239 | 9.4   | 102   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 41.177 | -2.9  | 104   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 41.343 | -3.4  | 104   | 0.00     |

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