

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120823\  
 Data File : BF136464.D  
 Acq On : 08 Dec 2023 13:26  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 08 13:54:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 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    | 91    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 37.846 | 5.4    | 82    | -0.01    |
| 3    | Pyridine                    | 40.000 | 42.654 | -6.6   | 90    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 39.598 | 1.0    | 84    | -0.02    |
| 5 S  | 2-Fluorophenol              | 80.000 | 75.002 | 6.2    | 82    | 0.00     |
| 6    | Aniline                     | 40.000 | 47.031 | -17.6  | 101   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 75.111 | 6.1    | 82    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 37.868 | 5.3    | 83    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 41.203 | -3.0   | 87    | 0.00     |
| 10 C | Phenol                      | 40.000 | 37.696 | 5.8    | 82    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.175 | 4.6    | 84    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 35.272 | 11.8   | 77    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 34.927 | 12.7   | 76    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 35.227 | 11.9   | 77    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.279 | -0.7   | 86    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.409 | 6.5    | 82    | -0.01    |
| 17   | 2-Methylphenol              | 40.000 | 40.230 | -0.6   | 87    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 35.610 | 11.0   | 77    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 38.268 | 4.3    | 83    | -0.01    |
| 20   | 3+4-Methylphenols           | 40.000 | 39.282 | 1.8    | 86    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 90    | 0.00     |
| 22   | Acetophenone                | 40.000 | 37.924 | 5.2    | 82    | -0.01    |
| 23 S | Nitrobenzene-d5             | 80.000 | 77.141 | 3.6    | 82    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 37.200 | 7.0    | 80    | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.025 | 4.9    | 81    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 38.973 | 2.6    | 81    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 51.113 | -27.8# | 109   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.285 | 4.3    | 83    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 38.807 | 3.0    | 82    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 36.281 | 9.3    | 78    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 36.970 | 7.6    | 80    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 37.318 | 6.7    | 76    | -0.01    |
| 33   | 4-Chloroaniline             | 40.000 | 42.743 | -6.9   | 91    | -0.01    |
| 34 C | Hexachlorobutadiene         | 40.000 | 35.731 | 10.7   | 77    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 37.718 | 5.7    | 80    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 37.452 | 6.4    | 80    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.099 | 2.3    | 85    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 36.483 | 8.8    | 79    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 87    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.454 | -1.1   | 85    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 50.270 | -25.7# | 101   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 74.226 | 7.2    | 76    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 37.583 | 6.0    | 78    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 39.847 | 0.4    | 82    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 77.751 | 2.8    | 82    | -0.01    |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.210 | 2.0    | 82    | -0.01    |
| 47   | 2-Chloronaphthalene         | 40.000 | 36.550 | 8.6    | 77    | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 39.720 | 0.7   | 81    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.740 | 0.6   | 83    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.136 | 2.2   | 82    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 37.824 | 5.4   | 78    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.891 | 2.8   | 81    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 39.441 | 1.4   | 81    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 32.856 | 17.9  | 63    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.232 | 1.9   | 82    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 35.126 | 12.2  | 69    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 36.828 | 7.9   | 75    | -0.01    |
| 58   | Fluorene                   | 40.000 | 37.215 | 7.0   | 79    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.635 | 5.9   | 78    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 37.563 | 6.1   | 78    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.738 | 3.2   | 83    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 37.371 | 6.6   | 75    | -0.01    |
| 63   | Azobenzene                 | 40.000 | 38.225 | 4.4   | 80    | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 79    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.180 | 2.1   | 68    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.028 | -5.1  | 82    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.595 | -4.0  | 79    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 37.026 | 7.4   | 71    | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.297 | 4.3   | 79    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 34.826 | 12.9  | 64    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.872 | 0.3   | 77    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.538 | -1.3  | 78    | 0.00     |
| 73   | Carbazole                  | 40.000 | 36.437 | 8.9   | 70    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 37.975 | 5.1   | 72    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 34.784 | 13.0  | 67    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 66    | 0.00     |
| 77   | Benzydine                  | 40.000 | 30.772 | 23.1  | 46    | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.927 | -2.3  | 65    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 81.623 | -2.0  | 65    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.904 | 0.2   | 61    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.565 | 1.1   | 64    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 43.574 | -8.9  | 71    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.491 | 1.3   | 63    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.501 | -1.3  | 62    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 42.668 | -6.7  | 66    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 86    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 44.203 | -10.5 | 87    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 33.930 | 15.2  | 73    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 35.205 | 12.0  | 72    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.427 | -1.1  | 84    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 44.844 | -12.1 | 88    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 43.650 | -9.1  | 85    | 0.00     |

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|----------|--------|-------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 0