

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
 Data File : BF141755.D  
 Acq On : 25 Feb 2025 10:34  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 25 11:03:55 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 06 16:58:59 2025  
 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  | 94    | -0.01    |
| 2    | 1,4-Dioxane                 | 40.000 | 40.569 | -1.4 | 95    | -0.02    |
| 3    | Pyridine                    | 40.000 | 42.447 | -6.1 | 97    | -0.03    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 36.290 | 9.3  | 84    | -0.04    |
| 5 S  | 2-Fluorophenol              | 80.000 | 86.457 | -8.1 | 101   | 0.00     |
| 6    | Aniline                     | 40.000 | 40.528 | -1.3 | 94    | -0.02    |
| 7 S  | Phenol-d6                   | 80.000 | 82.975 | -3.7 | 98    | -0.01    |
| 8    | 2-Chlorophenol              | 40.000 | 42.450 | -6.1 | 100   | -0.01    |
| 9    | Benzaldehyde                | 40.000 | 43.804 | -9.5 | 108   | 0.00     |
| 10 C | Phenol                      | 40.000 | 41.592 | -4.0 | 97    | -0.01    |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 41.592 | -4.0 | 97    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 43.146 | -7.9 | 103   | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 42.757 | -6.9 | 102   | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 43.218 | -8.0 | 102   | -0.01    |
| 15   | Benzyl Alcohol              | 40.000 | 39.710 | 0.7  | 92    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.422 | 3.9  | 90    | -0.01    |
| 17   | 2-Methylphenol              | 40.000 | 41.327 | -3.3 | 97    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 42.225 | -5.6 | 99    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 41.150 | -2.9 | 96    | -0.02    |
| 20   | 3+4-Methylphenols           | 40.000 | 42.065 | -5.2 | 99    | -0.01    |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 95    | -0.01    |
| 22   | Acetophenone                | 40.000 | 40.679 | -1.7 | 97    | -0.02    |
| 23 S | Nitrobenzene-d5             | 80.000 | 80.153 | -0.2 | 95    | -0.01    |
| 24   | Nitrobenzene                | 40.000 | 40.343 | -0.9 | 96    | -0.01    |
| 25   | Isophorone                  | 40.000 | 40.460 | -1.2 | 96    | -0.02    |
| 26 C | 2-Nitrophenol               | 40.000 | 42.764 | -6.9 | 98    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 42.025 | -5.1 | 97    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.812 | -4.5 | 99    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 41.878 | -4.7 | 98    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 41.760 | -4.4 | 100   | -0.01    |
| 31   | Naphthalene                 | 40.000 | 41.216 | -3.0 | 98    | -0.01    |
| 32   | Benzoic acid                | 40.000 | 32.162 | 19.6 | 75    | -0.03    |
| 33   | 4-Chloroaniline             | 40.000 | 41.733 | -4.3 | 99    | -0.02    |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.794 | -4.5 | 99    | -0.01    |
| 35   | Caprolactam                 | 40.000 | 38.568 | 3.6  | 88    | -0.03    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.939 | 0.2  | 94    | -0.01    |
| 37   | 2-Methylnaphthalene         | 40.000 | 41.309 | -3.3 | 99    | -0.01    |
| 38   | 1-Methylnaphthalene         | 40.000 | 40.360 | -0.9 | 96    | -0.01    |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 93    | -0.02    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 42.881 | -7.2 | 99    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 41.208 | -3.0 | 91    | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 76.201 | 4.7  | 89    | -0.02    |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.921 | -2.3 | 94    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 39.849 | 0.4  | 91    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 82.817 | -3.5 | 98    | -0.01    |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.602 | -4.0 | 97    | -0.02    |
| 47   | 2-Chloronaphthalene         | 40.000 | 41.952 | -4.9 | 99    | -0.02    |

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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 | 37.587 | 6.0    | 86    | -0.01    |
| 49   | Acenaphthylene             | 40.000 | 40.722 | -1.8   | 95    | -0.01    |
| 50   | Dimethylphthalate          | 40.000 | 40.768 | -1.9   | 96    | -0.02    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.655 | 0.9    | 91    | -0.01    |
| 52 C | Acenaphthene               | 40.000 | 39.327 | 1.7    | 91    | -0.02    |
| 53   | 3-Nitroaniline             | 40.000 | 38.195 | 4.5    | 89    | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 35.138 | 12.2   | 81    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.732 | 0.7    | 93    | -0.02    |
| 56 P | 4-Nitrophenol              | 40.000 | 34.873 | 12.8   | 77    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 38.111 | 4.7    | 88    | -0.01    |
| 58   | Fluorene                   | 40.000 | 39.572 | 1.1    | 93    | -0.02    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.977 | 5.1    | 89    | -0.02    |
| 60   | Diethylphthalate           | 40.000 | 39.619 | 1.0    | 93    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 41.182 | -3.0   | 96    | -0.02    |
| 62   | 4-Nitroaniline             | 40.000 | 35.243 | 11.9   | 79    | -0.02    |
| 63   | Azobenzene                 | 40.000 | 38.507 | 3.7    | 90    | -0.02    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 83    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.171 | 2.1    | 80    | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 43.456 | -8.6   | 92    | -0.02    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 44.246 | -10.6  | 93    | -0.02    |
| 68   | Hexachlorobenzene          | 40.000 | 43.753 | -9.4   | 92    | -0.01    |
| 69   | Atrazine                   | 40.000 | 35.789 | 10.5   | 77    | -0.02    |
| 70 C | Pentachlorophenol          | 40.000 | 39.625 | 0.9    | 79    | -0.01    |
| 71   | Phenanthrene               | 40.000 | 40.914 | -2.3   | 87    | -0.02    |
| 72   | Anthracene                 | 40.000 | 41.494 | -3.7   | 88    | -0.02    |
| 73   | Carbazole                  | 40.000 | 38.357 | 4.1    | 81    | -0.01    |
| 74   | Di-n-butylphthalate        | 40.000 | 40.662 | -1.7   | 85    | -0.02    |
| 75 C | Fluoranthene               | 40.000 | 36.703 | 8.2    | 78    | -0.02    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 68    | -0.02    |
| 77   | Benzydine                  | 40.000 | 36.886 | 7.8    | 52    | -0.01    |
| 78   | Pyrene                     | 40.000 | 45.595 | -14.0  | 75    | -0.02    |
| 79 S | Terphenyl-d14              | 80.000 | 90.576 | -13.2  | 76    | -0.02    |
| 80   | Butylbenzylphthalate       | 40.000 | 44.277 | -10.7  | 72    | -0.02    |
| 81   | Benzo(a)anthracene         | 40.000 | 41.938 | -4.8   | 70    | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 44.271 | -10.7  | 75    | -0.02    |
| 83   | Chrysene                   | 40.000 | 41.405 | -3.5   | 72    | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 49.688 | -24.2  | 81    | -0.02    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 56.543 | -41.4# | 94    | -0.04    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 92    | -0.03    |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 48.386 | -21.0  | 107   | -0.05    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 34.885 | 12.8   | 81    | -0.04    |
| 89   | Benzo(k)fluoranthene       | 40.000 | 34.682 | 13.3   | 80    | -0.04    |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.454 | -1.1   | 93    | -0.04    |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 49.009 | -22.5  | 107   | -0.05    |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 48.600 | -21.5  | 106   | -0.05    |

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| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 1