

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022025\  
 Data File : BF141707.D  
 Acq On : 20 Feb 2025 17:09  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 20 17:37:12 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    | 99    | -0.01    |
| 2    | 1,4-Dioxane                 | 40.000 | 41.350 | -3.4   | 101   | 0.00     |
| 3    | Pyridine                    | 40.000 | 43.234 | -8.1   | 103   | -0.02    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.751 | 5.6    | 92    | -0.03    |
| 5 S  | 2-Fluorophenol              | 80.000 | 84.108 | -5.1   | 103   | -0.01    |
| 6    | Aniline                     | 40.000 | 39.437 | 1.4    | 96    | -0.02    |
| 7 S  | Phenol-d6                   | 80.000 | 81.181 | -1.5   | 100   | -0.02    |
| 8    | 2-Chlorophenol              | 40.000 | 41.270 | -3.2   | 102   | -0.02    |
| 9    | Benzaldehyde                | 40.000 | 39.556 | 1.1    | 102   | 0.00     |
| 10 C | Phenol                      | 40.000 | 40.986 | -2.5   | 101   | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 41.107 | -2.8   | 101   | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 41.709 | -4.3   | 104   | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 41.942 | -4.9   | 105   | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 42.273 | -5.7   | 105   | -0.01    |
| 15   | Benzyl Alcohol              | 40.000 | 39.234 | 1.9    | 95    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.182 | 4.5    | 94    | -0.01    |
| 17   | 2-Methylphenol              | 40.000 | 40.443 | -1.1   | 100   | -0.01    |
| 18   | Hexachloroethane            | 40.000 | 41.408 | -3.5   | 102   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 40.136 | -0.3   | 98    | -0.02    |
| 20   | 3+4-Methylphenols           | 40.000 | 40.942 | -2.4   | 101   | -0.02    |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 99    | -0.01    |
| 22   | Acetophenone                | 40.000 | 40.347 | -0.9   | 100   | -0.02    |
| 23 S | Nitrobenzene-d5             | 80.000 | 79.490 | 0.6    | 98    | -0.02    |
| 24   | Nitrobenzene                | 40.000 | 39.690 | 0.8    | 98    | -0.01    |
| 25   | Isophorone                  | 40.000 | 40.300 | -0.7   | 99    | -0.02    |
| 26 C | 2-Nitrophenol               | 40.000 | 42.129 | -5.3   | 100   | -0.01    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.495 | -3.7   | 100   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.169 | -2.9   | 101   | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.925 | -2.3   | 100   | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 41.418 | -3.5   | 103   | -0.01    |
| 31   | Naphthalene                 | 40.000 | 40.074 | -0.2   | 99    | -0.01    |
| 32   | Benzoic acid                | 40.000 | 34.103 | 14.7   | 83    | -0.04    |
| 33   | 4-Chloroaniline             | 40.000 | 40.247 | -0.6   | 99    | -0.02    |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.146 | -2.9   | 101   | -0.01    |
| 35   | Caprolactam                 | 40.000 | 40.440 | -1.1   | 96    | -0.04    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.707 | 0.7    | 97    | -0.01    |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.945 | 0.1    | 100   | -0.01    |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.795 | 0.5    | 98    | -0.01    |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 96    | -0.02    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 41.395 | -3.5   | 98    | -0.01    |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 52.019 | -30.0# | 118   | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 79.140 | 1.1    | 95    | -0.02    |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.855 | -2.1   | 97    | -0.01    |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.484 | -1.2   | 96    | -0.01    |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 81.821 | -2.3   | 100   | -0.01    |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.963 | -2.4   | 99    | -0.02    |
| 47   | 2-Chloronaphthalene         | 40.000 | 41.034 | -2.6   | 99    | -0.02    |

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

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 39.348 | 1.6    | 93    | -0.02    |
| 49   | Acenaphthylene             | 40.000 | 40.245 | -0.6   | 97    | -0.02    |
| 50   | Dimethylphthalate          | 40.000 | 41.114 | -2.8   | 99    | -0.02    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.165 | -2.9   | 97    | -0.02    |
| 52 C | Acenaphthene               | 40.000 | 39.387 | 1.5    | 94    | -0.02    |
| 53   | 3-Nitroaniline             | 40.000 | 38.451 | 3.9    | 92    | -0.02    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 39.281 | 1.8    | 94    | -0.01    |
| 55   | Dibenzofuran               | 40.000 | 39.676 | 0.8    | 96    | -0.02    |
| 56 P | 4-Nitrophenol              | 40.000 | 58.361 | -45.9# | 133   | -0.02    |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.436 | -1.1   | 96    | -0.02    |
| 58   | Fluorene                   | 40.000 | 39.706 | 0.7    | 96    | -0.02    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.303 | -0.8   | 97    | -0.02    |
| 60   | Diethylphthalate           | 40.000 | 40.216 | -0.5   | 97    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.461 | -1.2   | 98    | -0.02    |
| 62   | 4-Nitroaniline             | 40.000 | 36.727 | 8.2    | 85    | -0.02    |
| 63   | Azobenzene                 | 40.000 | 38.532 | 3.7    | 93    | -0.02    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 90    | -0.02    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.122 | 2.2    | 86    | -0.02    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.691 | -6.7   | 98    | -0.02    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.918 | -4.8   | 95    | -0.02    |
| 68   | Hexachlorobenzene          | 40.000 | 42.297 | -5.7   | 96    | -0.02    |
| 69   | Atrazine                   | 40.000 | 36.491 | 8.8    | 85    | -0.02    |
| 70 C | Pentachlorophenol          | 40.000 | 39.252 | 1.9    | 84    | -0.02    |
| 71   | Phenanthrene               | 40.000 | 40.083 | -0.2   | 91    | -0.02    |
| 72   | Anthracene                 | 40.000 | 40.284 | -0.7   | 92    | -0.02    |
| 73   | Carbazole                  | 40.000 | 39.140 | 2.1    | 89    | -0.02    |
| 74   | Di-n-butylphthalate        | 40.000 | 40.647 | -1.6   | 92    | -0.02    |
| 75 C | Fluoranthene               | 40.000 | 37.569 | 6.1    | 85    | -0.02    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 82    | -0.02    |
| 77   | Benzydine                  | 40.000 | 45.009 | -12.5  | 77    | -0.02    |
| 78   | Pyrene                     | 40.000 | 41.757 | -4.4   | 83    | -0.02    |
| 79 S | Terphenyl-d14              | 80.000 | 83.229 | -4.0   | 84    | -0.02    |
| 80   | Butylbenzylphthalate       | 40.000 | 42.347 | -5.9   | 84    | -0.02    |
| 81   | Benzo(a)anthracene         | 40.000 | 39.381 | 1.5    | 79    | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.708 | -4.3   | 86    | -0.02    |
| 83   | Chrysene                   | 40.000 | 41.339 | -3.3   | 86    | -0.03    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 47.787 | -19.5  | 94    | -0.02    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 52.451 | -31.1# | 105   | -0.04    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 99    | -0.04    |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.757 | -9.4   | 104   | -0.06    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.759 | -1.9   | 101   | -0.04    |
| 89   | Benzo(k)fluoranthene       | 40.000 | 35.898 | 10.3   | 89    | -0.04    |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.976 | 0.1    | 99    | -0.04    |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 43.788 | -9.5   | 103   | -0.06    |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 44.154 | -10.4  | 104   | -0.07    |

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

(#) = Out of Range

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