

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF123124\  
 Data File : BF141056.D  
 Acq On : 31 Dec 2024 14:18  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 31 14:40:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 00:31:16 2024  
 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    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 37.601 | 6.0    | 89    | 0.00     |
| 3    | Pyridine                    | 40.000 | 39.135 | 2.2    | 94    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.516 | 6.2    | 88    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 76.722 | 4.1    | 93    | 0.00     |
| 6    | Aniline                     | 40.000 | 39.293 | 1.8    | 88    | -0.02    |
| 7 S  | Phenol-d6                   | 80.000 | 74.706 | 6.6    | 90    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.916 | 2.7    | 93    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 46.666 | -16.7  | 104   | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.080 | 2.3    | 94    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 36.649 | 8.4    | 91    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.753 | 3.1    | 93    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.011 | 2.5    | 95    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.575 | 3.6    | 93    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 38.046 | 4.9    | 90    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.192 | 9.5    | 87    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 37.699 | 5.8    | 90    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.952 | 0.1    | 96    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 35.625 | 10.9   | 87    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 37.276 | 6.8    | 89    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 92    | 0.00     |
| 22   | Acetophenone                | 40.000 | 36.896 | 7.8    | 89    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 94.938 | -18.7  | 104   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 44.276 | -10.7  | 97    | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.283 | 6.8    | 89    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 50.173 | -25.4# | 131   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.304 | 4.2    | 91    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 37.959 | 5.1    | 91    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.267 | -0.7   | 94    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.661 | 0.8    | 93    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.303 | 4.2    | 91    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 48.603 | -21.5  | 129   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 37.176 | 7.1    | 89    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.216 | -0.5   | 96    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 37.534 | 6.2    | 88    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.425 | 3.9    | 90    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.195 | 4.5    | 92    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 37.935 | 5.2    | 91    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 90    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 41.182 | -3.0   | 95    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 47.466 | -18.7  | 104   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 87.297 | -9.1   | 97    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 43.220 | -8.0   | 98    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 41.935 | -4.8   | 93    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 76.894 | 3.9    | 92    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.415 | 1.5    | 92    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.805 | 0.5    | 93    | 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 | 46.405 | -16.0  | 112   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.119 | 2.2    | 91    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.410 | 4.0    | 88    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 45.153 | -12.9  | 106   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.559 | -1.4   | 94    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 43.308 | -8.3   | 100   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 62.472 | -56.2# | 185   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.614 | 3.5    | 90    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 44.114 | -10.3  | 97    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 47.848 | -19.6  | 114   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.136 | 4.7    | 91    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.813 | -4.5   | 93    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 37.678 | 5.8    | 87    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.896 | 2.8    | 92    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.190 | -3.0   | 96    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 36.490 | 8.8    | 85    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 83    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 58.512 | -46.3# | 152   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.455 | -1.1   | 87    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.756 | -6.9   | 90    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.736 | -4.3   | 89    | 0.00     |
| 69   | Atrazine                   | 40.000 | 30.966 | 22.6   | 72    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 45.157 | -12.9  | 90    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.047 | 2.4    | 85    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.126 | 2.2    | 85    | 0.00     |
| 73   | Carbazole                  | 40.000 | 36.565 | 8.6    | 80    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 36.952 | 7.6    | 80    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 34.610 | 13.5   | 75    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 68    | 0.00     |
| 77   | Benzydine                  | 40.000 | 48.939 | -22.3  | 85    | 0.00     |
| 78   | Pyrene                     | 40.000 | 41.154 | -2.9   | 72    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 81.499 | -1.9   | 73    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 38.729 | 3.2    | 64    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 36.987 | 7.5    | 64    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 44.728 | -11.8  | 79    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.489 | -1.2   | 72    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 36.806 | 8.0    | 63    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.777 | -4.4   | 71    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 99    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 46.672 | -16.7  | 111   | 0.01     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 32.178 | 19.6   | 78    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.512 | 1.2    | 100   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.024 | 4.9    | 95    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 46.181 | -15.5  | 109   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 47.475 | -18.7  | 111   | 0.02     |

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

(#) = Out of Range

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