

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101624\  
 Data File : BF139822.D  
 Acq On : 16 Oct 2024 10:38  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 16 11:58:20 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 15 16:41:54 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                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 96    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.516 | 0.502 | 2.7    | 98    | 0.00     |
| 3    | Pyridine                    | 1.262 | 1.220 | 3.3    | 96    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.750 | 0.719 | 4.1    | 94    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.185 | 1.132 | 4.5    | 95    | 0.00     |
| 6    | Aniline                     | 1.358 | 1.229 | 9.5    | 88    | 0.00     |
| 7 S  | Phenol-d6                   | 1.576 | 1.529 | 3.0    | 97    | 0.00     |
| 8    | 2-Chlorophenol              | 1.251 | 1.204 | 3.8    | 95    | 0.00     |
| 9    | Benzaldehyde                | 0.885 | 0.845 | 4.5    | 93    | 0.00     |
| 10 C | Phenol                      | 1.655 | 1.588 | 4.0    | 94    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.234 | 1.204 | 2.4    | 96    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.415 | 1.337 | 5.5    | 94    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.419 | 1.351 | 4.8    | 95    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.317 | 1.264 | 4.0    | 95    | 0.00     |
| 15   | Benzyl Alcohol              | 1.135 | 1.091 | 3.9    | 94    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.163 | 2.064 | 4.6    | 94    | 0.00     |
| 17   | 2-Methylphenol              | 1.012 | 0.993 | 1.9    | 96    | 0.00     |
| 18   | Hexachloroethane            | 0.514 | 0.493 | 4.1    | 94    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.918 | 0.892 | 2.8    | 96    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.273 | 1.226 | 3.7    | 96    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 94    | 0.00     |
| 22   | Acetophenone                | 0.469 | 0.448 | 4.5    | 95    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.389 | 0.378 | 2.8    | 95    | 0.00     |
| 24   | Nitrobenzene                | 0.405 | 0.395 | 2.5    | 96    | 0.00     |
| 25   | Isophorone                  | 0.663 | 0.668 | -0.8   | 98    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.176 | 0.180 | -2.3   | 97    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.214 | 0.210 | 1.9    | 96    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.407 | 0.402 | 1.2    | 98    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.278 | 0.273 | 1.8    | 96    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.316 | 0.314 | 0.6    | 98    | 0.00     |
| 31   | Naphthalene                 | 1.031 | 1.008 | 2.2    | 97    | 0.00     |
| 32   | Benzoic acid                | 0.198 | 0.214 | -8.1   | 96    | 0.00     |
| 33   | 4-Chloroaniline             | 0.338 | 0.324 | 4.1    | 95    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.201 | 0.194 | 3.5    | 96    | 0.00     |
| 35   | Caprolactam                 | 0.078 | 0.087 | -11.5  | 105   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.295 | 0.301 | -2.0   | 99    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.646 | 0.635 | 1.7    | 97    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.629 | 0.621 | 1.3    | 97    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 101   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.581 | 0.540 | 7.1    | 99    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.113 | 0.194 | -71.7# | 159#  | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.169 | 0.165 | 2.4    | 100   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.369 | 0.336 | 8.9    | 93    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.396 | 0.372 | 6.1    | 99    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.337 | 1.227 | 8.2    | 99    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.512 | 1.416 | 6.3    | 99    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.155 | 1.076 | 6.8    | 98    | 0.00     |

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

|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.377 | 0.375 | 0.5    | 102   | 0.00     |
| 49   | Acenaphthylene             | 1.697 | 1.612 | 5.0    | 99    | 0.00     |
| 50   | Dimethylphthalate          | 1.224 | 1.208 | 1.3    | 102   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.279 | 0.282 | -1.1   | 103   | 0.00     |
| 52 C | Acenaphthene               | 1.075 | 1.037 | 3.5    | 102   | 0.00     |
| 53   | 3-Nitroaniline             | 0.278 | 0.268 | 3.6    | 98    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.114 | 0.164 | -43.9# | 135   | 0.00     |
| 55   | Dibenzofuran               | 1.612 | 1.530 | 5.1    | 100   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.168 | 0.250 | -48.8# | 141   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.345 | 0.356 | -3.2   | 104   | 0.00     |
| 58   | Fluorene                   | 1.254 | 1.204 | 4.0    | 103   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.294 | 0.278 | 5.4    | 97    | 0.00     |
| 60   | Diethylphthalate           | 1.191 | 1.196 | -0.4   | 105   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.620 | 0.596 | 3.9    | 102   | 0.00     |
| 62   | 4-Nitroaniline             | 0.255 | 0.259 | -1.6   | 104   | 0.00     |
| 63   | Azobenzene                 | 1.242 | 1.216 | 2.1    | 102   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 105   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.105 | 0.106 | -1.0   | 104   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.633 | 0.592 | 6.5    | 103   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.215 | 0.204 | 5.1    | 104   | 0.00     |
| 68   | Hexachlorobenzene          | 0.241 | 0.225 | 6.6    | 102   | 0.00     |
| 69   | Atrazine                   | 0.118 | 0.131 | -11.0  | 148   | 0.00     |
| 70 C | Pentachlorophenol          | 0.103 | 0.133 | -29.1# | 129   | 0.00     |
| 71   | Phenanthrene               | 0.955 | 0.906 | 5.1    | 106   | 0.00     |
| 72   | Anthracene                 | 0.939 | 0.885 | 5.8    | 105   | 0.00     |
| 73   | Carbazole                  | 0.831 | 0.786 | 5.4    | 105   | 0.00     |
| 74   | Di-n-butylphthalate        | 0.902 | 0.900 | 0.2    | 109   | 0.00     |
| 75 C | Fluoranthene               | 0.901 | 0.832 | 7.7    | 105   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 92    | 0.00     |
| 77   | Benzydine                  | 0.334 | 0.430 | -28.7# | 108   | 0.00     |
| 78   | Pyrene                     | 1.966 | 1.790 | 9.0    | 102   | 0.00     |
| 79 S | Terphenyl-d14              | 1.181 | 1.150 | 2.6    | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.533 | 0.530 | 0.6    | 93    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.328 | 1.278 | 3.8    | 95    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.443 | 0.442 | 0.2    | 90    | 0.00     |
| 83   | Chrysene                   | 1.211 | 1.168 | 3.6    | 90    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.688 | 0.675 | 1.9    | 86    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.279 | 1.254 | 2.0    | 85    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 93    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.339 | 1.232 | 8.0    | 92    | -0.01    |
| 88   | Benzo(b)fluoranthene       | 1.147 | 1.215 | -5.9   | 100   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.018 | 0.887 | 12.9   | 82    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.002 | 0.983 | 1.9    | 93    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.098 | 1.023 | 6.8    | 93    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.152 | 1.043 | 9.5    | 91    | -0.01    |

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| Compound | AvgRF | CCRF | %Dev Area | % Dev(min) |
|----------|-------|------|-----------|------------|
|----------|-------|------|-----------|------------|

(#) = Out of Range

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