

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101924\  
 Data File : BF139868.D  
 Acq On : 19 Oct 2024 13:19  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 21 01:39:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 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   | 120   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.596 | 0.589 | 1.2   | 120   | -0.01    |
| 3    | Pyridine                    | 1.476 | 1.457 | 1.3   | 117   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.793 | 0.785 | 1.0   | 117   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.278 | 1.257 | 1.6   | 118   | 0.00     |
| 6    | Aniline                     | 1.542 | 1.588 | -3.0  | 121   | 0.00     |
| 7 S  | Phenol-d6                   | 1.655 | 1.616 | 2.4   | 118   | 0.00     |
| 8    | 2-Chlorophenol              | 1.306 | 1.290 | 1.2   | 119   | 0.00     |
| 9    | Benzaldehyde                | 0.931 | 0.857 | 7.9   | 110   | 0.00     |
| 10 C | Phenol                      | 1.706 | 1.691 | 0.9   | 119   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.319 | 1.311 | 0.6   | 122   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.499 | 1.481 | 1.2   | 119   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.498 | 1.477 | 1.4   | 120   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.398 | 1.374 | 1.7   | 120   | 0.00     |
| 15   | Benzyl Alcohol              | 1.214 | 1.235 | -1.7  | 123   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.248 | 2.235 | 0.6   | 119   | 0.00     |
| 17   | 2-Methylphenol              | 1.114 | 1.119 | -0.4  | 121   | 0.00     |
| 18   | Hexachloroethane            | 0.534 | 0.529 | 0.9   | 118   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.004 | 0.992 | 1.2   | 123   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.424 | 1.412 | 0.8   | 120   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 122   | 0.00     |
| 22   | Acetophenone                | 0.490 | 0.473 | 3.5   | 120   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.361 | 0.368 | -1.9  | 121   | 0.00     |
| 24   | Nitrobenzene                | 0.396 | 0.395 | 0.3   | 120   | 0.00     |
| 25   | Isophorone                  | 0.685 | 0.695 | -1.5  | 125   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.149 | 0.163 | -9.4  | 126   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.249 | 0.247 | 0.8   | 121   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.415 | 0.414 | 0.2   | 123   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.283 | 0.291 | -2.8  | 125   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.314 | 0.312 | 0.6   | 121   | 0.00     |
| 31   | Naphthalene                 | 1.031 | 1.003 | 2.7   | 120   | 0.00     |
| 32   | Benzoic acid                | 0.217 | 0.240 | -10.6 | 133   | 0.01     |
| 33   | 4-Chloroaniline             | 0.352 | 0.357 | -1.4  | 124   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.197 | 0.195 | 1.0   | 121   | 0.00     |
| 35   | Caprolactam                 | 0.090 | 0.097 | -7.8  | 129   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.314 | 0.319 | -1.6  | 124   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.632 | 0.623 | 1.4   | 122   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.620 | 0.612 | 1.3   | 122   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 126   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.540 | 0.528 | 2.2   | 124   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.188 | 0.203 | -8.0  | 129   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.187 | 0.197 | -5.3  | 132   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.382 | 0.375 | 1.8   | 122   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.394 | 0.408 | -3.6  | 128   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.210 | 1.118 | 7.6   | 121   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.392 | 1.331 | 4.4   | 121   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.121 | 1.086 | 3.1   | 123   | 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                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 0.343 | 0.368 | -7.3  | 127   | 0.00     |
| 49   | Acenaphthylene             | 1.621 | 1.602 | 1.2   | 125   | 0.00     |
| 50   | Dimethylphthalate          | 1.246 | 1.253 | -0.6  | 127   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.270 | 0.288 | -6.7  | 129   | 0.00     |
| 52 C | Acenaphthene               | 1.049 | 1.033 | 1.5   | 125   | 0.00     |
| 53   | 3-Nitroaniline             | 0.278 | 0.294 | -5.8  | 127   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.093 | 0.111 | -19.4 | 138   | 0.00     |
| 55   | Dibenzofuran               | 1.505 | 1.468 | 2.5   | 124   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.214 | 0.240 | -12.1 | 131   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.332 | 0.373 | -12.3 | 132   | 0.00     |
| 58   | Fluorene                   | 1.146 | 1.104 | 3.7   | 125   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.309 | 0.321 | -3.9  | 130   | 0.00     |
| 60   | Diethylphthalate           | 1.223 | 1.247 | -2.0  | 129   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.579 | 0.566 | 2.2   | 125   | 0.00     |
| 62   | 4-Nitroaniline             | 0.263 | 0.287 | -9.1  | 131   | 0.00     |
| 63   | Azobenzene                 | 1.297 | 1.285 | 0.9   | 124   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 130   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.082 | 0.095 | -15.9 | 142   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.599 | 0.574 | 4.2   | 126   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.206 | 0.206 | 0.0   | 132   | 0.00     |
| 68   | Hexachlorobenzene          | 0.232 | 0.227 | 2.2   | 128   | 0.00     |
| 69   | Atrazine                   | 0.162 | 0.160 | 1.2   | 119   | 0.00     |
| 70 C | Pentachlorophenol          | 0.141 | 0.153 | -8.5  | 131   | 0.00     |
| 71   | Phenanthrene               | 0.945 | 0.895 | 5.3   | 125   | 0.00     |
| 72   | Anthracene                 | 0.922 | 0.896 | 2.8   | 128   | 0.00     |
| 73   | Carbazole                  | 0.857 | 0.833 | 2.8   | 128   | 0.00     |
| 74   | Di-n-butylphthalate        | 0.990 | 1.009 | -1.9  | 130   | 0.00     |
| 75 C | Fluoranthene               | 0.955 | 0.934 | 2.2   | 129   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 125   | 0.00     |
| 77   | Benzydine                  | 0.329 | 0.292 | 11.2  | 100   | 0.00     |
| 78   | Pyrene                     | 1.751 | 1.863 | -6.4  | 129   | 0.00     |
| 79 S | Terphenyl-d14              | 1.227 | 1.294 | -5.5  | 130   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.525 | 0.590 | -12.4 | 133   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.302 | 1.324 | -1.7  | 125   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.380 | 0.367 | 3.4   | 119   | 0.00     |
| 83   | Chrysene                   | 1.194 | 1.212 | -1.5  | 130   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.589 | 0.631 | -7.1  | 126   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.071 | 1.129 | -5.4  | 125   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 118   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.287 | 1.426 | -10.8 | 124   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.218 | 1.157 | 5.0   | 114   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.051 | 1.103 | -4.9  | 122   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.002 | 1.023 | -2.1  | 117   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.073 | 1.186 | -10.5 | 124   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.072 | 1.225 | -14.3 | 128   | 0.00     |

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

(#) = Out of Range

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