

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080224\  
 Data File : BF138736.D  
 Acq On : 02 Aug 2024 09:13  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 02 09:38:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 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   | 114   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.567 | 0.555 | 2.1   | 110   | 0.04     |
| 3    | Pyridine                    | 1.374 | 1.367 | 0.5   | 113   | 0.04     |
| 4    | n-Nitrosodimethylamine      | 0.818 | 0.796 | 2.7   | 111   | 0.04     |
| 5 S  | 2-Fluorophenol              | 1.296 | 1.272 | 1.9   | 114   | 0.00     |
| 6    | Aniline                     | 1.551 | 1.532 | 1.2   | 114   | 0.00     |
| 7 S  | Phenol-d6                   | 1.740 | 1.721 | 1.1   | 116   | 0.00     |
| 8    | 2-Chlorophenol              | 1.363 | 1.348 | 1.1   | 116   | 0.00     |
| 9    | Benzaldehyde                | 1.043 | 1.202 | -15.2 | 151#  | 0.00     |
| 10 C | Phenol                      | 1.832 | 1.792 | 2.2   | 115   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.409 | 1.364 | 3.2   | 114   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.526 | 1.490 | 2.4   | 115   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.540 | 1.500 | 2.6   | 114   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.439 | 1.391 | 3.3   | 112   | 0.00     |
| 15   | Benzyl Alcohol              | 1.254 | 1.272 | -1.4  | 119   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.426 | 2.236 | 7.8   | 108   | 0.00     |
| 17   | 2-Methylphenol              | 1.126 | 1.107 | 1.7   | 114   | 0.00     |
| 18   | Hexachloroethane            | 0.580 | 0.552 | 4.8   | 111   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.051 | 1.026 | 2.4   | 118   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.444 | 1.408 | 2.5   | 117   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 116   | 0.00     |
| 22   | Acetophenone                | 0.490 | 0.486 | 0.8   | 117   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.409 | 0.406 | 0.7   | 116   | 0.00     |
| 24   | Nitrobenzene                | 0.416 | 0.410 | 1.4   | 114   | 0.00     |
| 25   | Isophorone                  | 0.699 | 0.681 | 2.6   | 117   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.184 | -2.8  | 117   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.214 | 0.213 | 0.5   | 116   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.425 | 0.414 | 2.6   | 115   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.275 | 0.280 | -1.8  | 118   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.318 | 0.311 | 2.2   | 114   | 0.00     |
| 31   | Naphthalene                 | 1.053 | 1.025 | 2.7   | 114   | 0.00     |
| 32   | Benzoic acid                | 0.168 | 0.169 | -0.6  | 119   | 0.02     |
| 33   | 4-Chloroaniline             | 0.353 | 0.352 | 0.3   | 119   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.192 | 0.190 | 1.0   | 117   | 0.00     |
| 35   | Caprolactam                 | 0.082 | 0.090 | -9.8  | 135   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.315 | 0.324 | -2.9  | 123   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.665 | 0.662 | 0.5   | 119   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.652 | 0.642 | 1.5   | 118   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 121   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.556 | 0.541 | 2.7   | 119   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.120 | 0.122 | -1.7  | 116   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.164 | 0.174 | -6.1  | 132   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.339 | 0.339 | 0.0   | 122   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.370 | 0.366 | 1.1   | 120   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.331 | 1.284 | 3.5   | 119   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.566 | 1.542 | 1.5   | 121   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.165 | 1.150 | 1.3   | 121   | 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             | 0.395 | 0.409 | -3.5  | 127   | 0.00     |
| 49   | Acenaphthylene             | 1.652 | 1.633 | 1.2   | 121   | 0.00     |
| 50   | Dimethylphthalate          | 1.279 | 1.296 | -1.3  | 127   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.289 | 0.311 | -7.6  | 131   | 0.00     |
| 52 C | Acenaphthene               | 1.111 | 1.086 | 2.3   | 121   | 0.00     |
| 53   | 3-Nitroaniline             | 0.298 | 0.310 | -4.0  | 130   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.133 | 0.144 | -8.3  | 137   | 0.00     |
| 55   | Dibenzofuran               | 1.568 | 1.549 | 1.2   | 124   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.179 | 0.188 | -5.0  | 130   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.368 | 0.403 | -9.5  | 135   | 0.00     |
| 58   | Fluorene                   | 1.249 | 1.258 | -0.7  | 126   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.283 | 0.286 | -1.1  | 126   | 0.00     |
| 60   | Diethylphthalate           | 1.213 | 1.242 | -2.4  | 130   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.614 | 0.609 | 0.8   | 125   | 0.00     |
| 62   | 4-Nitroaniline             | 0.284 | 0.318 | -12.0 | 141   | 0.00     |
| 63   | Azobenzene                 | 1.345 | 1.346 | -0.1  | 125   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 135   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.122 | 0.127 | -4.1  | 138   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.625 | 0.612 | 2.1   | 131   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.217 | 0.207 | 4.6   | 129   | 0.00     |
| 68   | Hexachlorobenzene          | 0.224 | 0.219 | 2.2   | 134   | 0.00     |
| 69   | Atrazine                   | 0.161 | 0.160 | 0.6   | 133   | 0.00     |
| 70 C | Pentachlorophenol          | 0.101 | 0.098 | 3.0   | 129   | 0.00     |
| 71   | Phenanthrene               | 1.030 | 1.011 | 1.8   | 134   | 0.00     |
| 72   | Anthracene                 | 1.015 | 1.007 | 0.8   | 135   | 0.00     |
| 73   | Carbazole                  | 0.875 | 0.899 | -2.7  | 139   | 0.00     |
| 74   | Di-n-butylphthalate        | 0.984 | 1.072 | -8.9  | 146   | 0.00     |
| 75 C | Fluoranthene               | 0.961 | 1.010 | -5.1  | 141   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 111   | 0.00     |
| 77   | Benzidine                  | 0.478 | 0.443 | 7.3   | 92    | 0.00     |
| 78   | Pyrene                     | 1.883 | 2.205 | -17.1 | 140   | 0.00     |
| 79 S | Terphenyl-d14              | 1.195 | 1.380 | -15.5 | 139   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.603 | 0.630 | -4.5  | 112   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.377 | 1.434 | -4.1  | 114   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.352 | 0.352 | 0.0   | 109   | 0.00     |
| 83   | Chrysene                   | 1.243 | 1.250 | -0.6  | 114   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.883 | 0.748 | 15.3  | 88    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.634 | 1.392 | 14.8  | 89    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.433 | 1.395 | 2.7   | 96    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.240 | 1.205 | 2.8   | 94    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.073 | 1.079 | -0.6  | 103   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.043 | 1.037 | 0.6   | 97    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.177 | 1.114 | 5.4   | 94    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.221 | 1.159 | 5.1   | 93    | 0.00     |

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

(#) = Out of Range

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