

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020524\  
 Data File : BF137269.D  
 Acq On : 05 Feb 2024 10:37  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 05 11:03:14 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 04:56:22 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    | 98    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.649 | 0.616 | 5.1    | 90    | 0.00     |
| 3    | Pyridine                    | 1.129 | 1.338 | -18.5  | 101   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.591 | 0.633 | -7.1   | 101   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.212 | 1.337 | -10.3  | 98    | 0.00     |
| 6    | Aniline                     | 1.852 | 1.903 | -2.8   | 91    | 0.00     |
| 7 S  | Phenol-d6                   | 1.730 | 1.776 | -2.7   | 97    | 0.00     |
| 8    | 2-Chlorophenol              | 1.355 | 1.447 | -6.8   | 100   | 0.00     |
| 9    | Benzaldehyde                | 0.659 | 0.604 | 8.3    | 78    | 0.00     |
| 10 C | Phenol                      | 1.931 | 1.993 | -3.2   | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.290 | 1.454 | -12.7  | 107   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.589 | 1.637 | -3.0   | 98    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.643 | 1.703 | -3.7   | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.536 | 1.600 | -4.2   | 100   | 0.00     |
| 15   | Benzyl Alcohol              | 1.229 | 1.377 | -12.0  | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.324 | 2.158 | 7.1    | 89    | 0.00     |
| 17   | 2-Methylphenol              | 1.132 | 1.218 | -7.6   | 102   | 0.00     |
| 18   | Hexachloroethane            | 0.593 | 0.609 | -2.7   | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.186 | 1.182 | 0.3    | 95    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.433 | 1.492 | -4.1   | 96    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 97    | 0.00     |
| 22   | Acetophenone                | 0.538 | 0.555 | -3.2   | 96    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.447 | 0.463 | -3.6   | 95    | 0.00     |
| 24   | Nitrobenzene                | 0.434 | 0.451 | -3.9   | 94    | 0.00     |
| 25   | Isophorone                  | 0.825 | 0.823 | 0.2    | 95    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.149 | 0.184 | -23.5# | 105   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.236 | 0.246 | -4.2   | 95    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.438 | 0.455 | -3.9   | 95    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.292 | 0.317 | -8.6   | 97    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.363 | 0.370 | -1.9   | 96    | 0.00     |
| 31   | Naphthalene                 | 1.081 | 1.118 | -3.4   | 97    | 0.00     |
| 32   | Benzoic acid                | 0.140 | 0.181 | -29.3# | 117   | 0.00     |
| 33   | 4-Chloroaniline             | 0.372 | 0.394 | -5.9   | 95    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.241 | 0.246 | -2.1   | 96    | 0.00     |
| 35   | Caprolactam                 | 0.091 | 0.100 | -9.9   | 96    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.345 | 0.358 | -3.8   | 96    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.725 | 0.733 | -1.1   | 95    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.673 | 0.688 | -2.2   | 95    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 96    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.669 | 0.692 | -3.4   | 94    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.319 | 0.363 | -13.8  | 98    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.226 | 0.252 | -11.5  | 99    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.380 | 0.427 | -12.4  | 98    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.415 | 0.460 | -10.8  | 98    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.455 | 1.486 | -2.1   | 96    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.591 | 1.628 | -2.3   | 95    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.178 | 1.195 | -1.4   | 94    | 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             | 0.381 | 0.417 | -9.4   | 92    | 0.00     |
| 49   | Acenaphthylene             | 1.885 | 1.918 | -1.8   | 94    | 0.00     |
| 50   | Dimethylphthalate          | 1.351 | 1.419 | -5.0   | 96    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.288 | 0.317 | -10.1  | 97    | 0.00     |
| 52 C | Acenaphthene               | 1.108 | 1.140 | -2.9   | 95    | 0.00     |
| 53   | 3-Nitroaniline             | 0.259 | 0.301 | -16.2  | 103   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.089 | 0.139 | -56.2# | 130   | 0.00     |
| 55   | Dibenzofuran               | 1.763 | 1.825 | -3.5   | 95    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.169 | 0.195 | -15.4  | 91    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.374 | 0.428 | -14.4  | 96    | 0.00     |
| 58   | Fluorene                   | 1.382 | 1.428 | -3.3   | 96    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.386 | 0.416 | -7.8   | 98    | 0.00     |
| 60   | Diethylphthalate           | 1.330 | 1.412 | -6.2   | 96    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.687 | 0.705 | -2.6   | 95    | 0.00     |
| 62   | 4-Nitroaniline             | 0.248 | 0.263 | -6.0   | 88    | 0.00     |
| 63   | Azobenzene                 | 1.473 | 1.507 | -2.3   | 94    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 96    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.095 | 0.121 | -27.4# | 111   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.608 | 0.620 | -2.0   | 95    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.220 | 0.232 | -5.5   | 97    | 0.00     |
| 68   | Hexachlorobenzene          | 0.246 | 0.249 | -1.2   | 95    | 0.00     |
| 69   | Atrazine                   | 0.201 | 0.213 | -6.0   | 95    | 0.00     |
| 70 C | Pentachlorophenol          | 0.141 | 0.159 | -12.8  | 103   | 0.00     |
| 71   | Phenanthrene               | 1.047 | 1.074 | -2.6   | 96    | 0.00     |
| 72   | Anthracene                 | 1.091 | 1.108 | -1.6   | 95    | 0.00     |
| 73   | Carbazole                  | 0.912 | 0.957 | -4.9   | 96    | 0.00     |
| 74   | Di-n-butylphthalate        | 0.986 | 1.105 | -12.1  | 102   | 0.00     |
| 75 C | Fluoranthene               | 1.096 | 1.140 | -4.0   | 95    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 98    | 0.00     |
| 77   | Benzidine                  | 0.358 | 0.122 | 65.9#  | 28#   | 0.00     |
| 78   | Pyrene                     | 1.922 | 2.003 | -4.2   | 96    | 0.00     |
| 79 S | Terphenyl-d14              | 1.471 | 1.573 | -6.9   | 99    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.492 | 0.656 | -33.3# | 116   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.416 | 1.411 | 0.4    | 95    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.386 | 0.409 | -6.0   | 100   | 0.00     |
| 83   | Chrysene                   | 1.393 | 1.415 | -1.6   | 96    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.572 | 0.780 | -36.4# | 121   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 0.910 | 1.166 | -28.1# | 122   | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 97    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.405 | 1.608 | -14.4  | 102   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.230 | 1.244 | -1.1   | 101   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.301 | 1.302 | -0.1   | 95    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.157 | 1.195 | -3.3   | 99    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.126 | 1.270 | -12.8  | 102   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.105 | 1.256 | -13.7  | 103   | 0.00     |

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 2