

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103123\  
 Data File : BF136044.D  
 Acq On : 31 Oct 2023 11:26  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 31 12:19:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 31 01:13:02 2023  
 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   | 102   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.554 | 0.524 | 5.4   | 97    | 0.00     |
| 3    | Pyridine                    | 1.513 | 1.472 | 2.7   | 101   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.632 | 0.620 | 1.9   | 101   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.273 | 1.240 | 2.6   | 102   | 0.00     |
| 6    | Aniline                     | 2.053 | 2.020 | 1.6   | 102   | 0.00     |
| 7 S  | Phenol-d6                   | 1.586 | 1.542 | 2.8   | 101   | 0.00     |
| 8    | 2-Chlorophenol              | 1.361 | 1.345 | 1.2   | 102   | 0.00     |
| 9    | Benzaldehyde                | 0.884 | 0.867 | 1.9   | 103   | 0.00     |
| 10 C | Phenol                      | 1.640 | 1.607 | 2.0   | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.284 | 1.269 | 1.2   | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.416 | 1.380 | 2.5   | 102   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.419 | 1.396 | 1.6   | 102   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.327 | 1.293 | 2.6   | 101   | 0.00     |
| 15   | Benzyl Alcohol              | 1.124 | 1.140 | -1.4  | 104   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.767 | 1.789 | -1.2  | 105   | 0.00     |
| 17   | 2-Methylphenol              | 1.154 | 1.138 | 1.4   | 102   | 0.00     |
| 18   | Hexachloroethane            | 0.499 | 0.495 | 0.8   | 102   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.906 | 0.889 | 1.9   | 103   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.408 | 1.369 | 2.8   | 101   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 22   | Acetophenone                | 0.443 | 0.433 | 2.3   | 101   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.332 | 0.345 | -3.9  | 104   | 0.00     |
| 24   | Nitrobenzene                | 0.336 | 0.346 | -3.0  | 103   | 0.00     |
| 25   | Isophorone                  | 0.626 | 0.644 | -2.9  | 106   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.153 | 0.173 | -13.1 | 107   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.289 | 0.296 | -2.4  | 103   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.384 | 0.392 | -2.1  | 104   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.273 | 0.284 | -4.0  | 104   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.298 | 0.302 | -1.3  | 103   | 0.00     |
| 31   | Naphthalene                 | 0.964 | 0.972 | -0.8  | 103   | 0.00     |
| 32   | Benzoic acid                | 0.213 | 0.231 | -8.5  | 106   | 0.00     |
| 33   | 4-Chloroaniline             | 0.422 | 0.427 | -1.2  | 103   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.171 | 0.178 | -4.1  | 106   | 0.00     |
| 35   | Caprolactam                 | 0.089 | 0.093 | -4.5  | 105   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.286 | 0.296 | -3.5  | 105   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.647 | 0.662 | -2.3  | 105   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.602 | 0.614 | -2.0  | 104   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.570 | 0.581 | -1.9  | 105   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.305 | 0.326 | -6.9  | 106   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.213 | 0.223 | -4.7  | 105   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.372 | 0.385 | -3.5  | 104   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.431 | 0.449 | -4.2  | 107   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.255 | 1.232 | 1.8   | 105   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.525 | 1.547 | -1.4  | 105   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.124 | 1.136 | -1.1  | 104   | 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             | 0.333 | 0.355 | -6.6   | 103   | 0.00     |
| 49   | Acenaphthylene             | 1.753 | 1.787 | -1.9   | 105   | 0.00     |
| 50   | Dimethylphthalate          | 1.319 | 1.357 | -2.9   | 106   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.282 | 0.307 | -8.9   | 107   | 0.00     |
| 52 C | Acenaphthene               | 1.115 | 1.110 | 0.4    | 102   | 0.00     |
| 53   | 3-Nitroaniline             | 0.329 | 0.347 | -5.5   | 105   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.123 | 0.139 | -13.0  | 112   | 0.00     |
| 55   | Dibenzofuran               | 1.625 | 1.659 | -2.1   | 105   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.246 | 0.264 | -7.3   | 104   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.357 | 0.396 | -10.9  | 107   | 0.00     |
| 58   | Fluorene                   | 1.217 | 1.217 | 0.0    | 104   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.342 | 0.357 | -4.4   | 106   | 0.00     |
| 60   | Diethylphthalate           | 1.260 | 1.312 | -4.1   | 106   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.607 | 0.616 | -1.5   | 107   | 0.00     |
| 62   | 4-Nitroaniline             | 0.317 | 0.329 | -3.8   | 101   | 0.00     |
| 63   | Azobenzene                 | 1.214 | 1.255 | -3.4   | 106   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 102   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.099 | 0.116 | -17.2  | 109   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.603 | 0.640 | -6.1   | 105   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.210 | 0.229 | -9.0   | 106   | 0.00     |
| 68   | Hexachlorobenzene          | 0.224 | 0.240 | -7.1   | 105   | 0.00     |
| 69   | Atrazine                   | 0.164 | 0.174 | -6.1   | 108   | 0.00     |
| 70 C | Pentachlorophenol          | 0.144 | 0.163 | -13.2  | 107   | 0.00     |
| 71   | Phenanthrene               | 1.007 | 1.043 | -3.6   | 103   | 0.00     |
| 72   | Anthracene                 | 1.032 | 1.076 | -4.3   | 104   | 0.00     |
| 73   | Carbazole                  | 0.897 | 0.922 | -2.8   | 101   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.025 | 1.114 | -8.7   | 107   | 0.00     |
| 75 C | Fluoranthene               | 1.035 | 1.048 | -1.3   | 99    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 98    | 0.00     |
| 77   | Benzidine                  | 0.390 | 0.510 | -30.8# | 107   | 0.00     |
| 78   | Pyrene                     | 1.763 | 1.921 | -9.0   | 100   | 0.00     |
| 79 S | Terphenyl-d14              | 1.287 | 1.385 | -7.6   | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.631 | 0.716 | -13.5  | 104   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.324 | 1.343 | -1.4   | 95    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.423 | 0.464 | -9.7   | 101   | 0.00     |
| 83   | Chrysene                   | 1.304 | 1.321 | -1.3   | 95    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.735 | 0.817 | -11.2  | 102   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.102 | 1.320 | -19.8  | 112   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 108   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.307 | 1.475 | -12.9  | 110   | 0.02     |
| 88   | Benzo(b)fluoranthene       | 1.183 | 1.139 | 3.7    | 105   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.171 | 1.156 | 1.3    | 106   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.100 | 1.112 | -1.1   | 107   | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 1.071 | 1.213 | -13.3  | 110   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 1.105 | 1.248 | -12.9  | 109   | 0.02     |

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

(#) = Out of Range

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