

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121120\  
 Data File : BF122657.D  
 Acq On : 11 Dec 2020 11:01  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 11 13:18:06 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:08:49 2020  
 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  | 71    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.594 | 0.612 | -3.0 | 73    | -0.03    |
| 3    | Pyridine                    | 1.569 | 1.598 | -1.8 | 70    | -0.03    |
| 4    | n-Nitrosodimethylamine      | 0.629 | 0.598 | 4.9  | 66    | -0.03    |
| 5 S  | 2-Fluorophenol              | 1.263 | 1.305 | -3.3 | 74    | 0.00     |
| 6    | Aniline                     | 1.972 | 2.001 | -1.5 | 71    | 0.00     |
| 7 S  | Phenol-d6                   | 1.675 | 1.698 | -1.4 | 72    | 0.00     |
| 8    | 2-Chlorophenol              | 1.392 | 1.432 | -2.9 | 73    | 0.00     |
| 9    | Benzaldehyde                | 1.014 | 0.916 | 9.7  | 73    | 0.00     |
| 10 C | Phenol                      | 1.736 | 1.754 | -1.0 | 72    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.326 | 1.347 | -1.6 | 72    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.648 | 1.664 | -1.0 | 72    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.661 | 1.670 | -0.5 | 72    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.604 | 1.558 | 2.9  | 72    | 0.00     |
| 15   | Benzyl Alcohol              | 1.154 | 1.145 | 0.8  | 68    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.891 | 1.807 | 4.4  | 67    | 0.00     |
| 17   | 2-Methylphenol              | 1.107 | 1.109 | -0.2 | 69    | 0.00     |
| 18   | Hexachloroethane            | 0.592 | 0.590 | 0.3  | 70    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.960 | 0.903 | 5.9  | 67    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.398 | 1.362 | 2.6  | 71    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 69    | 0.00     |
| 22   | Acetophenone                | 0.497 | 0.504 | -1.4 | 70    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.399 | 0.411 | -3.0 | 70    | 0.00     |
| 24   | Nitrobenzene                | 0.397 | 0.407 | -2.5 | 70    | 0.00     |
| 25   | Isophorone                  | 0.688 | 0.677 | 1.6  | 67    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.194 | 0.204 | -5.2 | 69    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.284 | 0.288 | -1.4 | 69    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.471 | 0.475 | -0.8 | 69    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.332 | 0.339 | -2.1 | 69    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.376 | 0.385 | -2.4 | 70    | 0.00     |
| 31   | Naphthalene                 | 1.104 | 1.126 | -2.0 | 70    | 0.00     |
| 32   | Benzoic acid                | 0.226 | 0.197 | 12.8 | 55    | 0.00     |
| 33   | 4-Chloroaniline             | 0.461 | 0.470 | -2.0 | 69    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.231 | 0.236 | -2.2 | 70    | 0.00     |
| 35   | Caprolactam                 | 0.100 | 0.100 | 0.0  | 67    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.327 | 0.331 | -1.2 | 68    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.730 | 0.735 | -0.7 | 69    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.691 | 0.695 | -0.6 | 69    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 68    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.662 | 0.680 | -2.7 | 68    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.293 | 0.241 | 17.7 | 52    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.262 | 0.261 | 0.4  | 65    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.458 | 0.454 | 0.9  | 65    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.473 | 0.470 | 0.6  | 66    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.479 | 1.397 | 5.5  | 68    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.660 | 1.675 | -0.9 | 68    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.375 | 1.395 | -1.5 | 68    | 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             | 0.401 | 0.402 | -0.2   | 65    | 0.00     |
| 49   | Acenaphthylene             | 2.031 | 2.055 | -1.2   | 68    | 0.00     |
| 50   | Dimethylphthalate          | 1.597 | 1.563 | 2.1    | 65    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.337 | 0.345 | -2.4   | 66    | 0.00     |
| 52 C | Acenaphthene               | 1.314 | 1.299 | 1.1    | 66    | 0.00     |
| 53   | 3-Nitroaniline             | 0.390 | 0.393 | -0.8   | 65    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.165 | 0.147 | 10.9   | 56    | 0.00     |
| 55   | Dibenzofuran               | 1.849 | 1.843 | 0.3    | 67    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.278 | 0.244 | 12.2   | 55    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.449 | 0.452 | -0.7   | 65    | 0.00     |
| 58   | Fluorene                   | 1.470 | 1.405 | 4.4    | 68    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.415 | 0.407 | 1.9    | 64    | 0.00     |
| 60   | Diethylphthalate           | 1.554 | 1.496 | 3.7    | 64    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.724 | 0.718 | 0.8    | 68    | 0.00     |
| 62   | 4-Nitroaniline             | 0.396 | 0.394 | 0.5    | 65    | 0.00     |
| 63   | Azobenzene                 | 1.428 | 1.372 | 3.9    | 64    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 64    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.122 | 0.117 | 4.1    | 57    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.707 | 0.724 | -2.4   | 65    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.271 | 0.279 | -3.0   | 65    | 0.00     |
| 68   | Hexachlorobenzene          | 0.300 | 0.308 | -2.7   | 65    | 0.00     |
| 69   | Atrazine                   | 0.229 | 0.232 | -1.3   | 64    | 0.00     |
| 70 C | Pentachlorophenol          | 0.159 | 0.157 | 1.3    | 57    | 0.00     |
| 71   | Phenanthrene               | 1.189 | 1.213 | -2.0   | 66    | 0.00     |
| 72   | Anthracene                 | 1.179 | 1.217 | -3.2   | 66    | 0.00     |
| 73   | Carbazole                  | 1.069 | 1.083 | -1.3   | 64    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.343 | 1.316 | 2.0    | 63    | 0.00     |
| 75 C | Fluoranthene               | 1.246 | 1.235 | 0.9    | 63    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 60    | 0.00     |
| 77   | Benzydine                  | 0.433 | 0.579 | -33.7# | 70    | 0.00     |
| 78   | Pyrene                     | 1.546 | 1.647 | -6.5   | 63    | 0.00     |
| 79 S | Terphenyl-d14              | 1.143 | 1.198 | -4.8   | 65    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.697 | 0.699 | -0.3   | 59    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.337 | 1.411 | -5.5   | 63    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.479 | 0.496 | -3.5   | 61    | 0.00     |
| 83   | Chrysene                   | 1.330 | 1.378 | -3.6   | 62    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.954 | 0.932 | 2.3    | 59    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.582 | 1.484 | 6.2    | 56    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 64    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.313 | 1.421 | -8.2   | 70    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.403 | 1.386 | 1.2    | 60    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.283 | 1.331 | -3.7   | 67    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.228 | 1.248 | -1.6   | 64    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.074 | 1.162 | -8.2   | 70    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.040 | 1.153 | -10.9  | 73    | 0.00     |

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

(#) = Out of Range

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