

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121720\  
 Data File : BF122757.D  
 Acq On : 17 Dec 2020 11:20  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 17 12:18:32 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 15 18:14:23 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   | 84    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.594 | 0.561 | 5.6   | 79    | 0.02     |
| 3    | Pyridine                    | 1.569 | 1.492 | 4.9   | 77    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.629 | 0.567 | 9.9   | 74    | 0.01     |
| 5 S  | 2-Fluorophenol              | 1.263 | 1.200 | 5.0   | 79    | 0.00     |
| 6    | Aniline                     | 1.972 | 1.883 | 4.5   | 78    | 0.00     |
| 7 S  | Phenol-d6                   | 1.675 | 1.573 | 6.1   | 78    | 0.00     |
| 8    | 2-Chlorophenol              | 1.392 | 1.325 | 4.8   | 79    | 0.00     |
| 9    | Benzaldehyde                | 1.014 | 0.992 | 2.2   | 93    | 0.00     |
| 10 C | Phenol                      | 1.736 | 1.646 | 5.2   | 80    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.326 | 1.264 | 4.7   | 79    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.648 | 1.539 | 6.6   | 78    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.661 | 1.558 | 6.2   | 79    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.604 | 1.419 | 11.5  | 78    | 0.00     |
| 15   | Benzyl Alcohol              | 1.154 | 1.111 | 3.7   | 78    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.891 | 1.673 | 11.5  | 73    | 0.00     |
| 17   | 2-Methylphenol              | 1.107 | 1.092 | 1.4   | 80    | 0.00     |
| 18   | Hexachloroethane            | 0.592 | 0.559 | 5.6   | 78    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.960 | 0.877 | 8.6   | 76    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.398 | 1.297 | 7.2   | 79    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 84    | 0.00     |
| 22   | Acetophenone                | 0.497 | 0.465 | 6.4   | 79    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.399 | 0.442 | -10.8 | 91    | 0.00     |
| 24   | Nitrobenzene                | 0.397 | 0.374 | 5.8   | 78    | 0.00     |
| 25   | Isophorone                  | 0.688 | 0.645 | 6.2   | 77    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.194 | 0.197 | -1.5  | 82    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.284 | 0.274 | 3.5   | 80    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.471 | 0.438 | 7.0   | 77    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.332 | 0.312 | 6.0   | 77    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.376 | 0.350 | 6.9   | 78    | 0.00     |
| 31   | Naphthalene                 | 1.104 | 1.050 | 4.9   | 80    | 0.00     |
| 32   | Benzoic acid                | 0.226 | 0.214 | 5.3   | 73    | 0.00     |
| 33   | 4-Chloroaniline             | 0.461 | 0.446 | 3.3   | 80    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.231 | 0.213 | 7.8   | 77    | 0.00     |
| 35   | Caprolactam                 | 0.100 | 0.100 | 0.0   | 82    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.327 | 0.317 | 3.1   | 79    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.730 | 0.689 | 5.6   | 79    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.691 | 0.644 | 6.8   | 78    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.662 | 0.604 | 8.8   | 78    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.293 | 0.303 | -3.4  | 83    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.262 | 0.247 | 5.7   | 79    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.458 | 0.414 | 9.6   | 76    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.473 | 0.430 | 9.1   | 77    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.479 | 1.423 | 3.8   | 89    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.660 | 1.508 | 9.2   | 78    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.375 | 1.247 | 9.3   | 78    | 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 | 0.376 | 6.2   | 78    | 0.00     |
| 49   | Acenaphthylene             | 2.031 | 1.879 | 7.5   | 80    | 0.00     |
| 50   | Dimethylphthalate          | 1.597 | 1.491 | 6.6   | 80    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.337 | 0.333 | 1.2   | 82    | 0.00     |
| 52 C | Acenaphthene               | 1.314 | 1.209 | 8.0   | 78    | 0.00     |
| 53   | 3-Nitroaniline             | 0.390 | 0.385 | 1.3   | 82    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.165 | 0.155 | 6.1   | 75    | 0.00     |
| 55   | Dibenzofuran               | 1.849 | 1.685 | 8.9   | 79    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.278 | 0.264 | 5.0   | 77    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.449 | 0.436 | 2.9   | 80    | 0.00     |
| 58   | Fluorene                   | 1.470 | 1.292 | 12.1  | 80    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.415 | 0.372 | 10.4  | 75    | 0.00     |
| 60   | Diethylphthalate           | 1.554 | 1.424 | 8.4   | 79    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.724 | 0.649 | 10.4  | 79    | 0.00     |
| 62   | 4-Nitroaniline             | 0.396 | 0.391 | 1.3   | 83    | 0.00     |
| 63   | Azobenzene                 | 1.428 | 1.289 | 9.7   | 77    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.122 | 0.123 | -0.8  | 82    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.707 | 0.651 | 7.9   | 80    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.271 | 0.250 | 7.7   | 79    | 0.00     |
| 68   | Hexachlorobenzene          | 0.300 | 0.276 | 8.0   | 80    | 0.00     |
| 69   | Atrazine                   | 0.229 | 0.191 | 16.6  | 72    | 0.00     |
| 70 C | Pentachlorophenol          | 0.159 | 0.141 | 11.3  | 70    | 0.00     |
| 71   | Phenanthrene               | 1.189 | 1.092 | 8.2   | 81    | 0.00     |
| 72   | Anthracene                 | 1.179 | 1.090 | 7.5   | 81    | 0.00     |
| 73   | Carbazole                  | 1.069 | 1.003 | 6.2   | 82    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.343 | 1.216 | 9.5   | 79    | 0.00     |
| 75 C | Fluoranthene               | 1.246 | 1.163 | 6.7   | 81    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 77   | Benزيدine                  | 0.433 | 0.526 | -21.5 | 99    | 0.00     |
| 78   | Pyrene                     | 1.546 | 1.391 | 10.0  | 82    | 0.00     |
| 79 S | Terphenyl-d14              | 1.143 | 1.109 | 3.0   | 93    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.697 | 0.637 | 8.6   | 82    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.337 | 1.283 | 4.0   | 89    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.479 | 0.470 | 1.9   | 89    | 0.00     |
| 83   | Chrysene                   | 1.330 | 1.246 | 6.3   | 86    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.954 | 0.851 | 10.8  | 83    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.582 | 1.439 | 9.0   | 84    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 105   | 0.01     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.313 | 1.227 | 6.5   | 100   | 0.01     |
| 88   | Benzo(b)fluoranthene       | 1.403 | 1.359 | 3.1   | 96    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.283 | 1.105 | 13.9  | 91    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.228 | 1.144 | 6.8   | 96    | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 1.074 | 0.995 | 7.4   | 99    | 0.02     |
| 92   | Benzo(g,h,i)perylene       | 1.040 | 0.984 | 5.4   | 103   | 0.02     |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

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

(#) = Out of Range

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