

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110320\  
 Data File : BF122237.D  
 Acq On : 3 Nov 2020 12:11  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 03 14:09:30 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 30 10:16:54 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  | 74    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.596 | 0.548 | 8.1  | 69    | -0.01    |
| 3    | Pyridine                    | 1.567 | 1.360 | 13.2 | 64    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.757 | 0.709 | 6.3  | 70    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.355 | 1.389 | -2.5 | 78    | 0.00     |
| 6    | Aniline                     | 2.148 | 2.020 | 6.0  | 73    | 0.00     |
| 7 S  | Phenol-d6                   | 1.744 | 1.672 | 4.1  | 74    | 0.00     |
| 8    | 2-Chlorophenol              | 1.370 | 1.365 | 0.4  | 76    | 0.00     |
| 9    | Benzaldehyde                | 1.006 | 0.955 | 5.1  | 74    | 0.00     |
| 10 C | Phenol                      | 1.800 | 1.697 | 5.7  | 73    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.392 | 1.336 | 4.0  | 73    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.541 | 1.519 | 1.4  | 76    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.547 | 1.538 | 0.6  | 76    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.414 | 1.376 | 2.7  | 74    | 0.00     |
| 15   | Benzyl Alcohol              | 1.128 | 1.207 | -7.0 | 81    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.142 | 2.097 | 2.1  | 74    | 0.00     |
| 17   | 2-Methylphenol              | 1.171 | 1.118 | 4.5  | 74    | 0.00     |
| 18   | Hexachloroethane            | 0.559 | 0.564 | -0.9 | 76    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.993 | 1.032 | -3.9 | 81    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.412 | 1.546 | -9.5 | 86    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 75    | 0.00     |
| 22   | Acetophenone                | 0.515 | 0.532 | -3.3 | 81    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.390 | 0.392 | -0.5 | 77    | 0.00     |
| 24   | Nitrobenzene                | 0.417 | 0.423 | -1.4 | 78    | 0.00     |
| 25   | Isophorone                  | 0.737 | 0.739 | -0.3 | 78    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.192 | 0.193 | -0.5 | 75    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.327 | 0.321 | 1.8  | 75    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.461 | 0.457 | 0.9  | 76    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.306 | 0.309 | -1.0 | 77    | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 0.326 | 0.320 | 1.8  | 75    | 0.00     |
| 31   | Naphthalene                 | 1.071 | 1.052 | 1.8  | 76    | 0.00     |
| 32   | Benzoic acid                | 0.165 | 0.134 | 18.8 | 60    | 0.02     |
| 33   | 4-Chloroaniline             | 0.456 | 0.464 | -1.8 | 78    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.193 | 0.198 | -2.6 | 77    | 0.00     |
| 35   | Caprolactam                 | 0.097 | 0.092 | 5.2  | 73    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.329 | 0.342 | -4.0 | 80    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.694 | 0.684 | 1.4  | 77    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.643 | 0.636 | 1.1  | 77    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 75    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.646 | 0.653 | -1.1 | 78    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.127 | 0.115 | 9.4  | 66    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.247 | 0.254 | -2.8 | 78    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.398 | 0.386 | 3.0  | 74    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.430 | 0.368 | 14.4 | 65    | 0.01     |
| 45 S | 2-Fluorobiphenyl            | 1.359 | 1.328 | 2.3  | 78    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.626 | 1.643 | -1.0 | 79    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.265 | 1.275 | -0.8 | 77    | 0.00     |

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 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) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 0.417 | 0.446 | -7.0  | 81    | 0.00     |
| 49   | Acenaphthylene             | 1.942 | 1.912 | 1.5   | 76    | 0.00     |
| 50   | Dimethylphthalate          | 1.462 | 1.441 | 1.4   | 76    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.321 | 0.323 | -0.6  | 75    | 0.00     |
| 52 C | Acenaphthene               | 1.155 | 1.152 | 0.3   | 78    | 0.00     |
| 53   | 3-Nitroaniline             | 0.365 | 0.367 | -0.5  | 77    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.129 | 0.153 | -18.6 | 86    | 0.02     |
| 55   | Dibenzofuran               | 1.690 | 1.703 | -0.8  | 79    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.198 | 0.219 | -10.6 | 82    | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 0.395 | 0.433 | -9.6  | 83    | 0.00     |
| 58   | Fluorene                   | 1.361 | 1.409 | -3.5  | 81    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.333 | 0.365 | -9.6  | 81    | 0.00     |
| 60   | Diethylphthalate           | 1.410 | 1.470 | -4.3  | 80    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.653 | 0.684 | -4.7  | 82    | 0.00     |
| 62   | 4-Nitroaniline             | 0.365 | 0.356 | 2.5   | 74    | 0.01     |
| 63   | Azobenzene                 | 1.491 | 1.552 | -4.1  | 79    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 76    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.115 | 0.117 | -1.7  | 72    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.689 | 0.680 | 1.3   | 79    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.231 | 0.234 | -1.3  | 79    | 0.00     |
| 68   | Hexachlorobenzene          | 0.262 | 0.264 | -0.8  | 79    | 0.00     |
| 69   | Atrazine                   | 0.168 | 0.170 | -1.2  | 78    | 0.00     |
| 70 C | Pentachlorophenol          | 0.084 | 0.091 | -8.3  | 84    | 0.00     |
| 71   | Phenanthrene               | 1.097 | 1.086 | 1.0   | 79    | 0.00     |
| 72   | Anthracene                 | 1.137 | 1.146 | -0.8  | 80    | 0.00     |
| 73   | Carbazole                  | 1.011 | 1.019 | -0.8  | 80    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.163 | 1.204 | -3.5  | 81    | 0.00     |
| 75 C | Fluoranthene               | 1.176 | 1.181 | -0.4  | 80    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 77    | 0.00     |
| 77   | Benzydine                  | 0.617 | 0.653 | -5.8  | 85    | 0.00     |
| 78   | Pyrene                     | 1.524 | 1.552 | -1.8  | 80    | 0.00     |
| 79 S | Terphenyl-d14              | 1.049 | 1.070 | -2.0  | 82    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.604 | 0.643 | -6.5  | 81    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.311 | 1.312 | -0.1  | 79    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.486 | 0.469 | 3.5   | 73    | 0.00     |
| 83   | Chrysene                   | 1.287 | 1.286 | 0.1   | 77    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.821 | 0.859 | -4.6  | 80    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.327 | 1.394 | -5.0  | 80    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 73    | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.299 | 1.271 | 2.2   | 72    | 0.03     |
| 88   | Benzo(b)fluoranthene       | 1.352 | 1.469 | -8.7  | 76    | 0.01     |
| 89   | Benzo(k)fluoranthene       | 1.284 | 1.359 | -5.8  | 75    | 0.01     |
| 90 C | Benzo(a)pyrene             | 1.168 | 1.245 | -6.6  | 75    | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 1.069 | 1.063 | 0.6   | 73    | 0.02     |
| 92   | Benzo(g,h,i)perylene       | 1.070 | 1.027 | 4.0   | 71    | 0.05     |

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

(#) = Out of Range

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