

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050521\  
 Data File : BF123823.D  
 Acq On : 5 May 2021 12:41  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 05 13:10:08 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 05 13:09:28 2021  
 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  | 97    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.680 | 0.678 | 0.3  | 99    | 0.00     |
| 3    | Pyridine                    | 1.662 | 1.722 | -3.6 | 102   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.916 | 0.918 | -0.2 | 98    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.262 | 1.239 | 1.8  | 99    | 0.00     |
| 6    | Aniline                     | 2.011 | 1.959 | 2.6  | 96    | 0.00     |
| 7 S  | Phenol-d6                   | 1.739 | 1.712 | 1.6  | 100   | 0.00     |
| 8    | 2-Chlorophenol              | 1.358 | 1.360 | -0.1 | 100   | 0.00     |
| 9    | Benzaldehyde                | 0.842 | 0.824 | 2.1  | 102   | 0.00     |
| 10 C | Phenol                      | 1.868 | 1.811 | 3.1  | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.364 | 1.342 | 1.6  | 98    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.372 | 1.344 | 2.0  | 97    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.388 | 1.369 | 1.4  | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.348 | 1.268 | 5.9  | 100   | 0.00     |
| 15   | Benzyl Alcohol              | 1.363 | 1.340 | 1.7  | 97    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.901 | 2.746 | 5.3  | 94    | 0.00     |
| 17   | 2-Methylphenol              | 1.157 | 1.136 | 1.8  | 98    | 0.00     |
| 18   | Hexachloroethane            | 0.549 | 0.532 | 3.1  | 95    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.074 | 1.040 | 3.2  | 97    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.473 | 1.375 | 6.7  | 100   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 98    | 0.00     |
| 22   | Acetophenone                | 0.544 | 0.530 | 2.6  | 99    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.443 | 0.436 | 1.6  | 97    | 0.00     |
| 24   | Nitrobenzene                | 0.461 | 0.457 | 0.9  | 98    | 0.00     |
| 25   | Isophorone                  | 0.831 | 0.803 | 3.4  | 96    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.188 | 0.194 | -3.2 | 99    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.296 | 0.295 | 0.3  | 100   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.423 | 0.408 | 3.5  | 95    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.292 | 0.290 | 0.7  | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.306 | 0.297 | 2.9  | 98    | 0.00     |
| 31   | Naphthalene                 | 1.030 | 1.005 | 2.4  | 98    | 0.00     |
| 32   | Benzoic acid                | 0.186 | 0.175 | 5.9  | 93    | 0.00     |
| 33   | 4-Chloroaniline             | 0.430 | 0.429 | 0.2  | 99    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.186 | 0.180 | 3.2  | 94    | 0.00     |
| 35   | Caprolactam                 | 0.102 | 0.101 | 1.0  | 96    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.364 | 0.360 | 1.1  | 96    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.671 | 0.654 | 2.5  | 98    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.631 | 0.624 | 1.1  | 100   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 97    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.589 | 0.575 | 2.4  | 97    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.233 | 0.202 | 13.3 | 80    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.249 | 0.235 | 5.6  | 93    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.405 | 0.407 | -0.5 | 97    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.435 | 0.434 | 0.2  | 97    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.373 | 1.308 | 4.7  | 98    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.639 | 1.572 | 4.1  | 97    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.235 | 1.200 | 2.8  | 97    | 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             | 0.544 | 0.539 | 0.9   | 97    | 0.00     |
| 49   | Acenaphthylene             | 1.994 | 1.951 | 2.2   | 97    | 0.00     |
| 50   | Dimethylphthalate          | 1.409 | 1.345 | 4.5   | 97    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.326 | 0.322 | 1.2   | 97    | 0.00     |
| 52 C | Acenaphthene               | 1.215 | 1.156 | 4.9   | 96    | 0.00     |
| 53   | 3-Nitroaniline             | 0.389 | 0.377 | 3.1   | 95    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.173 | 0.166 | 4.0   | 88    | 0.00     |
| 55   | Dibenzofuran               | 1.838 | 1.751 | 4.7   | 95    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.283 | 0.285 | -0.7  | 95    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.444 | 0.431 | 2.9   | 95    | 0.00     |
| 58   | Fluorene                   | 1.412 | 1.349 | 4.5   | 96    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.344 | 0.337 | 2.0   | 94    | 0.00     |
| 60   | Diethylphthalate           | 1.499 | 1.378 | 8.1   | 92    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.658 | 0.623 | 5.3   | 96    | 0.00     |
| 62   | 4-Nitroaniline             | 0.385 | 0.380 | 1.3   | 96    | 0.00     |
| 63   | Azobenzene                 | 1.724 | 1.582 | 8.2   | 91    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.124 | 0.133 | -7.3  | 94    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.654 | 0.651 | 0.5   | 94    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.211 | 0.210 | 0.5   | 93    | 0.00     |
| 68   | Hexachlorobenzene          | 0.240 | 0.237 | 1.3   | 95    | 0.00     |
| 69   | Atrazine                   | 0.198 | 0.191 | 3.5   | 91    | 0.00     |
| 70 C | Pentachlorophenol          | 0.122 | 0.123 | -0.8  | 93    | 0.00     |
| 71   | Phenanthrene               | 1.049 | 1.029 | 1.9   | 94    | 0.00     |
| 72   | Anthracene                 | 1.043 | 1.037 | 0.6   | 95    | 0.00     |
| 73   | Carbazole                  | 1.054 | 1.039 | 1.4   | 95    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.184 | 1.099 | 7.2   | 87    | 0.00     |
| 75 C | Fluoranthene               | 1.144 | 1.104 | 3.5   | 92    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 89    | 0.00     |
| 77   | Benzydine                  | 0.518 | 0.515 | 0.6   | 82    | 0.00     |
| 78   | Pyrene                     | 1.552 | 1.576 | -1.5  | 93    | 0.00     |
| 79 S | Terphenyl-d14              | 1.039 | 1.033 | 0.6   | 92    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.663 | 0.655 | 1.2   | 88    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.212 | 1.187 | 2.1   | 90    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.372 | 0.371 | 0.3   | 90    | 0.00     |
| 83   | Chrysene                   | 1.219 | 1.199 | 1.6   | 91    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.824 | 0.782 | 5.1   | 86    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.317 | 1.243 | 5.6   | 84    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.165 | 1.287 | -10.5 | 105   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.348 | 1.278 | 5.2   | 86    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.286 | 1.245 | 3.2   | 84    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.153 | 1.154 | -0.1  | 89    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 0.983 | 1.071 | -9.0  | 104   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 0.985 | 1.126 | -14.3 | 108   | 0.00     |

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(#) = Out of Range                      SPCC's out = 0    CCC's out = 0