

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122122\  
 Data File : BF131746.D  
 Acq On : 21 Dec 2022 15:03  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 22 05:20:31 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 03:12:37 2022  
 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  | 86    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.555 | 0.569 | -2.5 | 88    | 0.00     |
| 3    | Pyridine                    | 1.583 | 1.619 | -2.3 | 87    | 0.01     |
| 4    | n-Nitrosodimethylamine      | 0.716 | 0.734 | -2.5 | 87    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.188 | 1.197 | -0.8 | 87    | 0.01     |
| 6    | Aniline                     | 1.974 | 1.915 | 3.0  | 83    | 0.01     |
| 7 S  | Phenol-d6                   | 1.599 | 1.573 | 1.6  | 86    | 0.01     |
| 8    | 2-Chlorophenol              | 1.276 | 1.253 | 1.8  | 85    | 0.01     |
| 9    | Benzaldehyde                | 1.073 | 0.940 | 12.4 | 89    | 0.01     |
| 10 C | Phenol                      | 1.909 | 1.890 | 1.0  | 86    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.366 | 1.356 | 0.7  | 85    | 0.01     |
| 12   | 1,3-Dichlorobenzene         | 1.442 | 1.420 | 1.5  | 85    | 0.01     |
| 13 C | 1,4-Dichlorobenzene         | 1.474 | 1.457 | 1.2  | 86    | 0.01     |
| 14   | 1,2-Dichlorobenzene         | 1.380 | 1.352 | 2.0  | 87    | 0.01     |
| 15   | Benzyl Alcohol              | 1.428 | 1.379 | 3.4  | 84    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.742 | 1.705 | 2.1  | 86    | 0.01     |
| 17   | 2-Methylphenol              | 1.204 | 1.166 | 3.2  | 84    | 0.00     |
| 18   | Hexachloroethane            | 0.584 | 0.593 | -1.5 | 89    | 0.01     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.153 | 1.095 | 5.0  | 83    | 0.01     |
| 20   | 3+4-Methylphenols           | 1.550 | 1.499 | 3.3  | 84    | 0.01     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 84    | 0.01     |
| 22   | Acetophenone                | 0.584 | 0.581 | 0.5  | 84    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.493 | 0.495 | -0.4 | 83    | 0.01     |
| 24   | Nitrobenzene                | 0.501 | 0.503 | -0.4 | 83    | 0.01     |
| 25   | Isophorone                  | 0.837 | 0.840 | -0.4 | 85    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.196 | 0.200 | -2.0 | 85    | 0.01     |
| 27   | 2,4-Dimethylphenol          | 0.279 | 0.280 | -0.4 | 85    | 0.01     |
| 28   | bis(2-Chloroethoxy)methane  | 0.444 | 0.451 | -1.6 | 85    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.337 | 0.344 | -2.1 | 86    | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 0.396 | 0.402 | -1.5 | 84    | 0.01     |
| 31   | Naphthalene                 | 1.092 | 1.097 | -0.5 | 85    | 0.01     |
| 32   | Benzoic acid                | 0.223 | 0.233 | -4.5 | 82    | 0.00     |
| 33   | 4-Chloroaniline             | 0.426 | 0.421 | 1.2  | 83    | 0.01     |
| 34 C | Hexachlorobutadiene         | 0.266 | 0.270 | -1.5 | 85    | 0.01     |
| 35   | Caprolactam                 | 0.101 | 0.101 | 0.0  | 85    | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.384 | 0.391 | -1.8 | 85    | 0.01     |
| 37   | 2-Methylnaphthalene         | 0.745 | 0.748 | -0.4 | 85    | 0.01     |
| 38   | 1-Methylnaphthalene         | 0.722 | 0.720 | 0.3  | 85    | 0.01     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 87    | 0.01     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.684 | 0.705 | -3.1 | 85    | 0.01     |
| 41 P | Hexachlorocyclopentadiene   | 0.310 | 0.325 | -4.8 | 82    | 0.01     |
| 42 S | 2,4,6-Tribromophenol        | 0.219 | 0.227 | -3.7 | 88    | 0.01     |
| 43 C | 2,4,6-Trichlorophenol       | 0.447 | 0.463 | -3.6 | 86    | 0.01     |
| 44   | 2,4,5-Trichlorophenol       | 0.484 | 0.513 | -6.0 | 87    | 0.01     |
| 45 S | 2-Fluorobiphenyl            | 1.428 | 1.467 | -2.7 | 87    | 0.01     |
| 46   | 1,1'-Biphenyl               | 1.504 | 1.537 | -2.2 | 85    | 0.01     |
| 47   | 2-Chloronaphthalene         | 1.232 | 1.280 | -3.9 | 86    | 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             | 0.444 | 0.467 | -5.2  | 88    | 0.00     |
| 49   | Acenaphthylene             | 1.848 | 1.913 | -3.5  | 86    | 0.00     |
| 50   | Dimethylphthalate          | 1.505 | 1.545 | -2.7  | 88    | 0.01     |
| 51   | 2,6-Dinitrotoluene         | 0.324 | 0.346 | -6.8  | 89    | 0.01     |
| 52 C | Acenaphthene               | 1.132 | 1.172 | -3.5  | 87    | 0.01     |
| 53   | 3-Nitroaniline             | 0.331 | 0.336 | -1.5  | 85    | 0.01     |
| 54 P | 2,4-Dinitrophenol          | 0.194 | 0.203 | -4.6  | 86    | 0.00     |
| 55   | Dibenzofuran               | 1.736 | 1.787 | -2.9  | 87    | 0.01     |
| 56 P | 4-Nitrophenol              | 0.237 | 0.244 | -3.0  | 84    | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 0.435 | 0.465 | -6.9  | 91    | 0.00     |
| 58   | Fluorene                   | 1.403 | 1.456 | -3.8  | 88    | 0.01     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.404 | 0.408 | -1.0  | 84    | 0.01     |
| 60   | Diethylphthalate           | 1.450 | 1.524 | -5.1  | 91    | 0.01     |
| 61   | 4-Chlorophenyl-phenylether | 0.746 | 0.774 | -3.8  | 89    | 0.01     |
| 62   | 4-Nitroaniline             | 0.333 | 0.345 | -3.6  | 88    | 0.01     |
| 63   | Azobenzene                 | 1.592 | 1.667 | -4.7  | 89    | 0.01     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 90    | 0.01     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.137 | 0.146 | -6.6  | 90    | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 0.620 | 0.621 | -0.2  | 89    | 0.01     |
| 67   | 4-Bromophenyl-phenylether  | 0.236 | 0.240 | -1.7  | 89    | 0.01     |
| 68   | Hexachlorobenzene          | 0.260 | 0.261 | -0.4  | 88    | 0.01     |
| 69   | Atrazine                   | 0.207 | 0.216 | -4.3  | 92    | 0.01     |
| 70 C | Pentachlorophenol          | 0.138 | 0.146 | -5.8  | 90    | 0.01     |
| 71   | Phenanthrene               | 1.091 | 1.078 | 1.2   | 89    | 0.01     |
| 72   | Anthracene                 | 1.068 | 1.068 | 0.0   | 90    | 0.01     |
| 73   | Carbazole                  | 0.924 | 0.931 | -0.8  | 92    | 0.01     |
| 74   | Di-n-butylphthalate        | 1.150 | 1.204 | -4.7  | 98    | 0.01     |
| 75 C | Fluoranthene               | 1.215 | 1.208 | 0.6   | 92    | 0.02     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 97    | 0.01     |
| 77   | Benzidine                  | 0.367 | 0.348 | 5.2   | 89    | 0.01     |
| 78   | Pyrene                     | 1.818 | 1.994 | -9.7  | 93    | 0.01     |
| 79 S | Terphenyl-d14              | 1.283 | 1.437 | -12.0 | 96    | 0.01     |
| 80   | Butylbenzylphthalate       | 0.641 | 0.716 | -11.7 | 100   | 0.02     |
| 81   | Benzo(a)anthracene         | 1.440 | 1.546 | -7.4  | 98    | 0.01     |
| 82   | 3,3'-Dichlorobenzidine     | 0.402 | 0.438 | -9.0  | 105   | 0.01     |
| 83   | Chrysene                   | 1.360 | 1.442 | -6.0  | 97    | 0.02     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.765 | 0.848 | -10.8 | 103   | 0.02     |
| 85 c | Di-n-octyl phthalate       | 1.068 | 1.256 | -17.6 | 111   | 0.02     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 97    | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.343 | 1.574 | -17.2 | 103   | 0.03     |
| 88   | Benzo(b)fluoranthene       | 1.415 | 1.357 | 4.1   | 97    | 0.02     |
| 89   | Benzo(k)fluoranthene       | 1.381 | 1.343 | 2.8   | 97    | 0.02     |
| 90 C | Benzo(a)pyrene             | 1.121 | 1.102 | 1.7   | 95    | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 1.110 | 1.309 | -17.9 | 104   | 0.04     |
| 92   | Benzo(g,h,i)perylene       | 1.097 | 1.287 | -17.3 | 103   | 0.03     |

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|----------|-------|------|------|-------|----------|

(#) = Out of Range

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