

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF090121\  
 Data File : BF125300.D  
 Acq On : 1 Sep 2021 11:36  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 01 13:25:42 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 24 12:39:21 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   | 115   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.652 | 0.600 | 8.0   | 103   | -0.01    |
| 3    | Pyridine                    | 1.721 | 1.588 | 7.7   | 101   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.861 | 0.749 | 13.0  | 95    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.321 | 1.198 | 9.3   | 105   | 0.00     |
| 6    | Aniline                     | 2.007 | 1.873 | 6.7   | 103   | 0.00     |
| 7 S  | Phenol-d6                   | 1.709 | 1.588 | 7.1   | 106   | 0.00     |
| 8    | 2-Chlorophenol              | 1.348 | 1.263 | 6.3   | 106   | 0.00     |
| 9    | Benzaldehyde                | 1.199 | 0.974 | 18.8  | 97    | 0.00     |
| 10 C | Phenol                      | 1.790 | 1.768 | 1.2   | 112   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.409 | 1.291 | 8.4   | 104   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.562 | 1.444 | 7.6   | 107   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.556 | 1.463 | 6.0   | 109   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.464 | 1.355 | 7.4   | 108   | 0.00     |
| 15   | Benzyl Alcohol              | 1.316 | 1.208 | 8.2   | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.827 | 2.431 | 14.0  | 96    | -0.01    |
| 17   | 2-Methylphenol              | 1.132 | 1.079 | 4.7   | 106   | 0.00     |
| 18   | Hexachloroethane            | 0.545 | 0.513 | 5.9   | 107   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.028 | 0.933 | 9.2   | 100   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.421 | 1.265 | 11.0  | 100   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 116   | 0.00     |
| 22   | Acetophenone                | 0.515 | 0.449 | 12.8  | 102   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.397 | 0.374 | 5.8   | 105   | 0.00     |
| 24   | Nitrobenzene                | 0.433 | 0.402 | 7.2   | 103   | 0.00     |
| 25   | Isophorone                  | 0.766 | 0.717 | 6.4   | 102   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.173 | 0.181 | -4.6  | 109   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.303 | 0.263 | 13.2  | 97    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.424 | 0.391 | 7.8   | 104   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.309 | 0.296 | 4.2   | 106   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.337 | 0.311 | 7.7   | 106   | 0.00     |
| 31   | Naphthalene                 | 1.024 | 0.921 | 10.1  | 105   | 0.00     |
| 32   | Benzoic acid                | 0.205 | 0.191 | 6.8   | 86    | 0.02     |
| 33   | 4-Chloroaniline             | 0.404 | 0.383 | 5.2   | 105   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.215 | 0.202 | 6.0   | 111   | -0.01    |
| 35   | Caprolactam                 | 0.080 | 0.090 | -12.5 | 105   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.315 | 0.318 | -1.0  | 108   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.677 | 0.635 | 6.2   | 106   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.632 | 0.598 | 5.4   | 105   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 119   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.653 | 0.595 | 8.9   | 113   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.343 | 0.278 | 19.0  | 98    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.200 | 0.230 | -15.0 | 122   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.460 | 0.420 | 8.7   | 107   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.484 | 0.450 | 7.0   | 107   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.435 | 1.223 | 14.8  | 111   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.612 | 1.405 | 12.8  | 107   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.310 | 1.151 | 12.1  | 106   | 0.00     |

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

|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.406 | 0.407 | -0.2   | 104   | 0.00     |
| 49   | Acenaphthylene             | 1.909 | 1.720 | 9.9    | 106   | 0.00     |
| 50   | Dimethylphthalate          | 1.386 | 1.321 | 4.7    | 108   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.301 | 0.302 | -0.3   | 105   | 0.00     |
| 52 C | Acenaphthene               | 1.184 | 1.051 | 11.2   | 103   | 0.00     |
| 53   | 3-Nitroaniline             | 0.324 | 0.333 | -2.8   | 106   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.119 | 0.156 | -31.1# | 121   | 0.00     |
| 55   | Dibenzofuran               | 1.703 | 1.541 | 9.5    | 107   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.257 | 0.249 | 3.1    | 96    | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 0.364 | 0.402 | -10.4  | 110   | 0.00     |
| 58   | Fluorene                   | 1.259 | 1.216 | 3.4    | 114   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.359 | 0.363 | -1.1   | 111   | 0.00     |
| 60   | Diethylphthalate           | 1.351 | 1.288 | 4.7    | 105   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.637 | 0.621 | 2.5    | 115   | 0.00     |
| 62   | 4-Nitroaniline             | 0.291 | 0.326 | -12.0  | 109   | 0.01     |
| 63   | Azobenzene                 | 1.516 | 1.401 | 7.6    | 104   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 122   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.106 | 0.122 | -15.1  | 119   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.716 | 0.619 | 13.5   | 110   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.240 | 0.223 | 7.1    | 113   | 0.00     |
| 68   | Hexachlorobenzene          | 0.247 | 0.240 | 2.8    | 117   | 0.00     |
| 69   | Atrazine                   | 0.205 | 0.198 | 3.4    | 111   | 0.00     |
| 70 C | Pentachlorophenol          | 0.144 | 0.135 | 6.2    | 105   | 0.00     |
| 71   | Phenanthrene               | 1.102 | 0.992 | 10.0   | 111   | 0.00     |
| 72   | Anthracene                 | 1.086 | 0.984 | 9.4    | 112   | 0.00     |
| 73   | Carbazole                  | 0.993 | 0.904 | 9.0    | 108   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.178 | 1.086 | 7.8    | 109   | 0.00     |
| 75 C | Fluoranthene               | 1.093 | 1.030 | 5.8    | 110   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 118   | 0.00     |
| 77   | Benzydine                  | 0.698 | 0.670 | 4.0    | 103   | 0.00     |
| 78   | Pyrene                     | 1.716 | 1.724 | -0.5   | 111   | 0.00     |
| 79 S | Terphenyl-d14              | 1.255 | 1.272 | -1.4   | 117   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.674 | 0.696 | -3.3   | 108   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.441 | 1.391 | 3.5    | 114   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.447 | 0.432 | 3.4    | 111   | 0.00     |
| 83   | Chrysene                   | 1.425 | 1.313 | 7.9    | 108   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.927 | 0.932 | -0.5   | 113   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.541 | 1.378 | 10.6   | 104   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 127   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.441 | 1.346 | 6.6    | 128   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.461 | 1.378 | 5.7    | 111   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.363 | 1.305 | 4.3    | 112   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.291 | 1.217 | 5.7    | 115   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.245 | 1.157 | 7.1    | 126   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.201 | 1.103 | 8.2    | 127   | 0.00     |

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

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