

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092023\  
 Data File : BF135349.D  
 Acq On : 20 Sep 2023 10:50  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 20 11:28:13 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 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  | 120   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.539 | 0.572 | -6.1 | 128   | 0.00     |
| 3    | Pyridine                    | 1.451 | 1.527 | -5.2 | 123   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.770 | 0.823 | -6.9 | 125   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.230 | 1.215 | 1.2  | 119   | 0.00     |
| 6    | Aniline                     | 2.050 | 1.968 | 4.0  | 115   | 0.00     |
| 7 S  | Phenol-d6                   | 1.564 | 1.513 | 3.3  | 116   | 0.00     |
| 8    | 2-Chlorophenol              | 1.313 | 1.306 | 0.5  | 119   | 0.00     |
| 9    | Benzaldehyde                | 0.891 | 0.875 | 1.8  | 120   | 0.00     |
| 10 C | Phenol                      | 1.715 | 1.641 | 4.3  | 114   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.286 | 1.276 | 0.8  | 118   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.334 | 1.293 | 3.1  | 116   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.357 | 1.293 | 4.7  | 115   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.260 | 1.172 | 7.0  | 113   | 0.00     |
| 15   | Benzyl Alcohol              | 1.122 | 0.971 | 13.5 | 103   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.424 | 2.396 | 1.2  | 117   | 0.00     |
| 17   | 2-Methylphenol              | 1.158 | 1.126 | 2.8  | 115   | 0.00     |
| 18   | Hexachloroethane            | 0.502 | 0.487 | 3.0  | 116   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.968 | 0.840 | 13.2 | 106   | -0.01    |
| 20   | 3+4-Methylphenols           | 1.393 | 1.277 | 8.3  | 112   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 116   | 0.00     |
| 22   | Acetophenone                | 0.457 | 0.427 | 6.6  | 111   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.368 | 0.361 | 1.9  | 114   | 0.00     |
| 24   | Nitrobenzene                | 0.364 | 0.359 | 1.4  | 114   | 0.00     |
| 25   | Isophorone                  | 0.676 | 0.646 | 4.4  | 112   | -0.01    |
| 26 C | 2-Nitrophenol               | 0.175 | 0.179 | -2.3 | 118   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.294 | 0.292 | 0.7  | 117   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.405 | 0.396 | 2.2  | 116   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.272 | 0.268 | 1.5  | 115   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.284 | 0.270 | 4.9  | 111   | 0.00     |
| 31   | Naphthalene                 | 0.972 | 0.937 | 3.6  | 113   | 0.00     |
| 32   | Benzoic acid                | 0.221 | 0.194 | 12.2 | 97    | 0.00     |
| 33   | 4-Chloroaniline             | 0.426 | 0.411 | 3.5  | 113   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.171 | 0.155 | 9.4  | 106   | 0.00     |
| 35   | Caprolactam                 | 0.091 | 0.094 | -3.3 | 121   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.302 | 0.295 | 2.3  | 113   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.653 | 0.615 | 5.8  | 113   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.612 | 0.563 | 8.0  | 110   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 115   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.579 | 0.545 | 5.9  | 109   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.210 | 0.182 | 13.3 | 95    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.199 | 0.167 | 16.1 | 98    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.379 | 0.352 | 7.1  | 107   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.437 | 0.420 | 3.9  | 110   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.326 | 1.161 | 12.4 | 105   | -0.01    |
| 46   | 1,1'-Biphenyl               | 1.537 | 1.455 | 5.3  | 110   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.115 | 1.048 | 6.0  | 110   | 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             | 0.433 | 0.436 | -0.7 | 115   | 0.00     |
| 49   | Acenaphthylene             | 1.853 | 1.733 | 6.5  | 108   | 0.00     |
| 50   | Dimethylphthalate          | 1.352 | 1.262 | 6.7  | 111   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.296 | 0.287 | 3.0  | 112   | 0.00     |
| 52 C | Acenaphthene               | 1.095 | 1.043 | 4.7  | 112   | 0.00     |
| 53   | 3-Nitroaniline             | 0.348 | 0.348 | 0.0  | 115   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.143 | 0.125 | 12.6 | 98    | 0.00     |
| 55   | Dibenzofuran               | 1.671 | 1.524 | 8.8  | 107   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.221 | 0.205 | 7.2  | 102   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.371 | 0.337 | 9.2  | 103   | 0.00     |
| 58   | Fluorene                   | 1.284 | 1.192 | 7.2  | 110   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.336 | 0.314 | 6.5  | 108   | 0.00     |
| 60   | Diethylphthalate           | 1.357 | 1.236 | 8.9  | 106   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 0.617 | 0.553 | 10.4 | 107   | 0.00     |
| 62   | 4-Nitroaniline             | 0.334 | 0.347 | -3.9 | 118   | 0.00     |
| 63   | Azobenzene                 | 1.328 | 1.277 | 3.8  | 112   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 110   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.106 | 0.101 | 4.7  | 106   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.605 | 0.577 | 4.6  | 109   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.199 | 0.185 | 7.0  | 106   | 0.00     |
| 68   | Hexachlorobenzene          | 0.203 | 0.187 | 7.9  | 104   | 0.00     |
| 69   | Atrazine                   | 0.163 | 0.147 | 9.8  | 103   | 0.00     |
| 70 C | Pentachlorophenol          | 0.121 | 0.108 | 10.7 | 93    | 0.00     |
| 71   | Phenanthrene               | 0.946 | 0.902 | 4.7  | 108   | 0.00     |
| 72   | Anthracene                 | 0.972 | 0.930 | 4.3  | 109   | 0.00     |
| 73   | Carbazole                  | 0.885 | 0.869 | 1.8  | 111   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.043 | 0.963 | 7.7  | 103   | 0.00     |
| 75 C | Fluoranthene               | 0.986 | 0.904 | 8.3  | 103   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 100   | 0.00     |
| 77   | Benzydine                  | 0.410 | 0.411 | -0.2 | 112   | 0.00     |
| 78   | Pyrene                     | 1.904 | 1.967 | -3.3 | 104   | 0.00     |
| 79 S | Terphenyl-d14              | 1.290 | 1.210 | 6.2  | 96    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.670 | 0.657 | 1.9  | 96    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.291 | 1.242 | 3.8  | 98    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.403 | 0.431 | -6.9 | 107   | 0.00     |
| 83   | Chrysene                   | 1.284 | 1.235 | 3.8  | 98    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.688 | 0.693 | -0.7 | 100   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.093 | 1.138 | -4.1 | 102   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 121   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.311 | 1.270 | 3.1  | 111   | 0.02     |
| 88   | Benzo(b)fluoranthene       | 1.083 | 0.996 | 8.0  | 112   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.069 | 0.981 | 8.2  | 113   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.032 | 1.011 | 2.0  | 117   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.073 | 1.048 | 2.3  | 114   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 1.121 | 1.087 | 3.0  | 111   | 0.02     |

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

(#) = Out of Range

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