

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091422\  
 Data File : BF130239.D  
 Acq On : 14 Sep 2022 14:48  
 Operator : CG\JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF091422

Quant Time: Sep 14 16:03:22 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 14 14:55:51 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  | 101   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.530 | 0.503 | 5.1  | 96    | 0.00     |
| 3    | Pyridine                    | 1.381 | 1.357 | 1.7  | 103   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.751 | 0.734 | 2.3  | 98    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.153 | 1.141 | 1.0  | 102   | 0.00     |
| 6    | Aniline                     | 1.778 | 1.713 | 3.7  | 99    | 0.00     |
| 7 S  | Phenol-d6                   | 1.443 | 1.413 | 2.1  | 101   | 0.00     |
| 8    | 2-Chlorophenol              | 1.314 | 1.292 | 1.7  | 101   | 0.00     |
| 9    | Benzaldehyde                | 0.966 | 0.933 | 3.4  | 101   | 0.00     |
| 10 C | Phenol                      | 1.691 | 1.668 | 1.4  | 101   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.220 | 1.185 | 2.9  | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.445 | 1.424 | 1.5  | 102   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.474 | 1.441 | 2.2  | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.377 | 1.338 | 2.8  | 100   | 0.00     |
| 15   | Benzyl Alcohol              | 1.144 | 1.149 | -0.4 | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.779 | 1.691 | 4.9  | 98    | 0.00     |
| 17   | 2-Methylphenol              | 1.068 | 1.050 | 1.7  | 100   | 0.00     |
| 18   | Hexachloroethane            | 0.581 | 0.569 | 2.1  | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.974 | 0.944 | 3.1  | 98    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.387 | 1.366 | 1.5  | 100   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 101   | 0.00     |
| 22   | Acetophenone                | 0.489 | 0.472 | 3.5  | 98    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.391 | 0.386 | 1.3  | 98    | 0.00     |
| 24   | Nitrobenzene                | 0.398 | 0.389 | 2.3  | 99    | 0.00     |
| 25   | Isophorone                  | 0.631 | 0.613 | 2.9  | 98    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.163 | 0.173 | -6.1 | 102   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.251 | 0.249 | 0.8  | 100   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.355 | 0.345 | 2.8  | 99    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.275 | 0.275 | 0.0  | 100   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.297 | 0.294 | 1.0  | 100   | 0.00     |
| 31   | Naphthalene                 | 1.030 | 1.020 | 1.0  | 101   | 0.00     |
| 32   | Benzoic acid                | 0.194 | 0.207 | -6.7 | 100   | 0.00     |
| 33   | 4-Chloroaniline             | 0.392 | 0.387 | 1.3  | 99    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.190 | 0.188 | 1.1  | 100   | 0.00     |
| 35   | Caprolactam                 | 0.079 | 0.081 | -2.5 | 100   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.305 | 0.299 | 2.0  | 98    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.657 | 0.642 | 2.3  | 99    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.631 | 0.619 | 1.9  | 100   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 100   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.546 | 0.533 | 2.4  | 101   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.292 | 0.299 | -2.4 | 99    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.192 | 0.194 | -1.0 | 100   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.381 | 0.384 | -0.8 | 100   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.411 | 0.404 | 1.7  | 99    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.373 | 1.311 | 4.5  | 98    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.494 | 1.451 | 2.9  | 99    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.208 | 1.175 | 2.7  | 99    | 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             | 0.403 | 0.404 | -0.2  | 97    | 0.00     |
| 49   | Acenaphthylene             | 1.812 | 1.754 | 3.2   | 99    | 0.00     |
| 50   | Dimethylphthalate          | 1.382 | 1.339 | 3.1   | 98    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.289 | 0.292 | -1.0  | 102   | 0.00     |
| 52 C | Acenaphthene               | 1.190 | 1.167 | 1.9   | 100   | 0.00     |
| 53   | 3-Nitroaniline             | 0.322 | 0.326 | -1.2  | 100   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.132 | 0.146 | -10.6 | 105   | 0.00     |
| 55   | Dibenzofuran               | 1.656 | 1.597 | 3.6   | 99    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.234 | 0.240 | -2.6  | 97    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.369 | 0.380 | -3.0  | 100   | 0.00     |
| 58   | Fluorene                   | 1.354 | 1.298 | 4.1   | 96    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.322 | 0.322 | 0.0   | 102   | 0.00     |
| 60   | Diethylphthalate           | 1.385 | 1.342 | 3.1   | 97    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.594 | 0.580 | 2.4   | 99    | 0.00     |
| 62   | 4-Nitroaniline             | 0.323 | 0.320 | 0.9   | 97    | 0.00     |
| 63   | Azobenzene                 | 1.427 | 1.363 | 4.5   | 96    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.111 | 0.118 | -6.3  | 101   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.668 | 0.657 | 1.6   | 99    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.221 | 0.220 | 0.5   | 100   | 0.00     |
| 68   | Hexachlorobenzene          | 0.250 | 0.244 | 2.4   | 98    | 0.00     |
| 69   | Atrazine                   | 0.195 | 0.192 | 1.5   | 97    | 0.00     |
| 70 C | Pentachlorophenol          | 0.134 | 0.141 | -5.2  | 98    | 0.00     |
| 71   | Phenanthrene               | 1.123 | 1.091 | 2.8   | 98    | 0.00     |
| 72   | Anthracene                 | 1.084 | 1.063 | 1.9   | 98    | 0.00     |
| 73   | Carbazole                  | 0.978 | 0.945 | 3.4   | 96    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.179 | 1.156 | 2.0   | 95    | 0.00     |
| 75 C | Fluoranthene               | 1.085 | 1.039 | 4.2   | 94    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 77   | Benzidine                  | 0.581 | 0.558 | 4.0   | 82    | 0.00     |
| 78   | Pyrene                     | 1.750 | 1.840 | -5.1  | 94    | 0.00     |
| 79 S | Terphenyl-d14              | 1.207 | 1.263 | -4.6  | 94    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.648 | 0.672 | -3.7  | 90    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.330 | 1.306 | 1.8   | 90    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.362 | 0.355 | 1.9   | 87    | 0.00     |
| 83   | Chrysene                   | 1.263 | 1.252 | 0.9   | 91    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.742 | 0.763 | -2.8  | 91    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.136 | 1.139 | -0.3  | 92    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.418 | 1.523 | -7.4  | 101   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.305 | 1.215 | 6.9   | 91    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.284 | 1.258 | 2.0   | 96    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.034 | 1.023 | 1.1   | 96    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.163 | 1.262 | -8.5  | 102   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.172 | 1.254 | -7.0  | 101   | 0.00     |

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

(#) = Out of Range

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