

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102822\  
 Data File : BF130829.D  
 Acq On : 28 Oct 2022 18:20  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 29 05:44:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 29 05:41:34 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    | 106   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.517 | 0.523 | -1.2   | 102   | 0.00     |
| 3    | Pyridine                    | 1.449 | 1.513 | -4.4   | 106   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.813 | 0.872 | -7.3   | 110   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.154 | 1.153 | 0.1    | 106   | 0.00     |
| 6    | Aniline                     | 1.854 | 1.893 | -2.1   | 105   | 0.00     |
| 7 S  | Phenol-d6                   | 1.499 | 1.493 | 0.4    | 106   | 0.00     |
| 8    | 2-Chlorophenol              | 1.285 | 1.316 | -2.4   | 106   | 0.00     |
| 9    | Benzaldehyde                | 0.960 | 0.862 | 10.2   | 104   | 0.00     |
| 10 C | Phenol                      | 1.613 | 1.647 | -2.1   | 106   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.258 | 1.257 | 0.1    | 104   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.456 | 1.462 | -0.4   | 104   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.478 | 1.486 | -0.5   | 105   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.369 | 1.380 | -0.8   | 105   | 0.00     |
| 15   | Benzyl Alcohol              | 1.275 | 1.322 | -3.7   | 107   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.242 | 2.206 | 1.6    | 102   | 0.00     |
| 17   | 2-Methylphenol              | 1.098 | 1.110 | -1.1   | 104   | 0.00     |
| 18   | Hexachloroethane            | 0.534 | 0.553 | -3.6   | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.020 | 1.015 | 0.5    | 106   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.428 | 1.461 | -2.3   | 105   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 107   | 0.00     |
| 22   | Acetophenone                | 0.485 | 0.499 | -2.9   | 107   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.332 | 0.374 | -12.7  | 109   | 0.00     |
| 24   | Nitrobenzene                | 0.363 | 0.396 | -9.1   | 108   | 0.00     |
| 25   | Isophorone                  | 0.684 | 0.701 | -2.5   | 106   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.123 | 0.152 | -23.6# | 118   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.285 | 0.293 | -2.8   | 105   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.382 | 0.381 | 0.3    | 103   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.293 | 0.303 | -3.4   | 105   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.315 | 0.321 | -1.9   | 106   | 0.00     |
| 31   | Naphthalene                 | 1.043 | 1.058 | -1.4   | 105   | 0.00     |
| 32   | Benzoic acid                | 0.177 | 0.204 | -15.3  | 116   | 0.00     |
| 33   | 4-Chloroaniline             | 0.412 | 0.429 | -4.1   | 107   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.209 | 0.213 | -1.9   | 106   | 0.00     |
| 35   | Caprolactam                 | 0.094 | 0.097 | -3.2   | 104   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.318 | 0.337 | -6.0   | 107   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.656 | 0.668 | -1.8   | 106   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.639 | 0.654 | -2.3   | 107   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 106   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.567 | 0.576 | -1.6   | 106   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.298 | 0.328 | -10.1  | 107   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.168 | 0.193 | -14.9  | 110   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.394 | 0.421 | -6.9   | 106   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.421 | 0.461 | -9.5   | 109   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.323 | 1.308 | 1.1    | 108   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.425 | 1.448 | -1.6   | 105   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.143 | 1.176 | -2.9   | 106   | 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             | 0.315 | 0.402 | -27.6# | 118   | 0.00     |
| 49   | Acenaphthylene             | 1.806 | 1.852 | -2.5   | 105   | 0.00     |
| 50   | Dimethylphthalate          | 1.374 | 1.397 | -1.7   | 105   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.232 | 0.275 | -18.5  | 109   | 0.00     |
| 52 C | Acenaphthene               | 1.116 | 1.169 | -4.7   | 107   | 0.00     |
| 53   | 3-Nitroaniline             | 0.268 | 0.331 | -23.5  | 117   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.092 | 0.116 | -26.1# | 132   | 0.00     |
| 55   | Dibenzofuran               | 1.618 | 1.648 | -1.9   | 105   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.212 | 0.252 | -18.9  | 110   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.282 | 0.357 | -26.6# | 114   | 0.00     |
| 58   | Fluorene                   | 1.274 | 1.302 | -2.2   | 106   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.347 | 0.377 | -8.6   | 108   | 0.00     |
| 60   | Diethylphthalate           | 1.351 | 1.394 | -3.2   | 105   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.610 | 0.616 | -1.0   | 106   | 0.00     |
| 62   | 4-Nitroaniline             | 0.271 | 0.329 | -21.4  | 113   | 0.00     |
| 63   | Azobenzene                 | 1.410 | 1.438 | -2.0   | 103   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 105   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.073 | 0.092 | -26.0# | 128   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.624 | 0.635 | -1.8   | 104   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.201 | 0.211 | -5.0   | 107   | 0.00     |
| 68   | Hexachlorobenzene          | 0.222 | 0.229 | -3.2   | 107   | 0.00     |
| 69   | Atrazine                   | 0.180 | 0.190 | -5.6   | 104   | 0.00     |
| 70 C | Pentachlorophenol          | 0.126 | 0.141 | -11.9  | 107   | 0.00     |
| 71   | Phenanthrene               | 1.032 | 1.064 | -3.1   | 106   | 0.00     |
| 72   | Anthracene                 | 1.018 | 1.036 | -1.8   | 105   | 0.00     |
| 73   | Carbazole                  | 0.912 | 0.934 | -2.4   | 106   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.107 | 1.129 | -2.0   | 105   | 0.00     |
| 75 C | Fluoranthene               | 1.097 | 1.119 | -2.0   | 106   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 101   | 0.00     |
| 77   | Benzydine                  | 0.485 | 0.470 | 3.1    | 94    | 0.00     |
| 78   | Pyrene                     | 1.687 | 1.884 | -11.7  | 107   | 0.00     |
| 79 S | Terphenyl-d14              | 1.091 | 1.202 | -10.2  | 108   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.607 | 0.696 | -14.7  | 106   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.326 | 1.376 | -3.8   | 102   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.358 | 0.358 | 0.0    | 98    | 0.00     |
| 83   | Chrysene                   | 1.279 | 1.288 | -0.7   | 101   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.730 | 0.785 | -7.5   | 103   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.007 | 1.069 | -6.2   | 102   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 106   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.328 | 1.509 | -13.6  | 110   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.293 | 1.294 | -0.1   | 107   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.260 | 1.265 | -0.4   | 104   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.039 | 1.078 | -3.8   | 106   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.083 | 1.222 | -12.8  | 107   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.105 | 1.268 | -14.8  | 108   | 0.00     |

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| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------|-------|------|------|-------|----------|
|----------|-------|------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 1