

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM011322\  
 Data File : BM033718.D  
 Acq On : 13 Jan 2022 16:16  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 13 20:50:56 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM010522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 13 07:49:01 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    | 88    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.568 | 0.484 | 14.8   | 76    | 0.00     |
| 3    | Pyridine                    | 1.472 | 1.386 | 5.8    | 82    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.735 | 0.650 | 11.6   | 77    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.268 | 1.268 | 0.0    | 88    | 0.00     |
| 6    | Aniline                     | 1.936 | 1.981 | -2.3   | 91    | 0.00     |
| 7 S  | Phenol-d6                   | 1.709 | 1.747 | -2.2   | 91    | 0.00     |
| 8    | 2-Chlorophenol              | 1.387 | 1.437 | -3.6   | 92    | 0.00     |
| 9    | Benzaldehyde                | 1.216 | 0.992 | 18.4   | 81    | 0.00     |
| 10 C | Phenol                      | 1.718 | 1.751 | -1.9   | 90    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.356 | 1.314 | 3.1    | 86    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.550 | 1.579 | -1.9   | 91    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.585 | 1.609 | -1.5   | 90    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.533 | 1.579 | -3.0   | 92    | 0.00     |
| 15   | Benzyl Alcohol              | 1.395 | 1.448 | -3.8   | 91    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.044 | 1.747 | 14.5   | 76    | 0.00     |
| 17   | 2-Methylphenol              | 1.186 | 1.249 | -5.3   | 93    | 0.00     |
| 18   | Hexachloroethane            | 0.601 | 0.602 | -0.2   | 88    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.117 | 1.127 | -0.9   | 89    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.621 | 1.744 | -7.6   | 94    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 94    | 0.00     |
| 22   | Acetophenone                | 0.536 | 0.543 | -1.3   | 95    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.433 | 0.430 | 0.7    | 92    | 0.00     |
| 24   | Nitrobenzene                | 0.412 | 0.400 | 2.9    | 91    | 0.00     |
| 25   | Isophorone                  | 0.701 | 0.703 | -0.3   | 91    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.174 | 0.197 | -13.2  | 101   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.290 | 0.295 | -1.7   | 95    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.462 | 0.443 | 4.1    | 89    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.317 | 0.344 | -8.5   | 101   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.354 | 0.367 | -3.7   | 96    | 0.00     |
| 31   | Naphthalene                 | 1.096 | 1.122 | -2.4   | 96    | 0.00     |
| 32   | Benzoic acid                | 0.204 | 0.260 | -27.5# | 111   | 0.00     |
| 33   | 4-Chloroaniline             | 0.433 | 0.466 | -7.6   | 101   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.231 | 0.240 | -3.9   | 95    | 0.00     |
| 35   | Caprolactam                 | 0.088 | 0.114 | -29.5# | 122   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.368 | 0.410 | -11.4  | 105   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.741 | 0.785 | -5.9   | 100   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.720 | 0.764 | -6.1   | 100   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 110   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.632 | 0.610 | 3.5    | 104   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.398 | 0.387 | 2.8    | 101   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.209 | 0.258 | -23.4  | 135   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.412 | 0.437 | -6.1   | 113   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.436 | 0.471 | -8.0   | 117   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.527 | 1.456 | 4.6    | 103   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.634 | 1.543 | 5.6    | 102   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.227 | 1.200 | 2.2    | 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             | 0.385 | 0.399 | -3.6  | 109   | 0.00     |
| 49   | Acenaphthylene             | 1.914 | 1.913 | 0.1   | 107   | 0.00     |
| 50   | Dimethylphthalate          | 1.553 | 1.546 | 0.5   | 108   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.301 | 0.323 | -7.3  | 113   | 0.00     |
| 52 C | Acenaphthene               | 1.245 | 1.261 | -1.3  | 110   | 0.00     |
| 53   | 3-Nitroaniline             | 0.321 | 0.345 | -7.5  | 114   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.139 | 0.155 | -11.5 | 114   | 0.00     |
| 55   | Dibenzofuran               | 1.867 | 1.885 | -1.0  | 110   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.254 | 0.264 | -3.9  | 109   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.384 | 0.437 | -13.8 | 118   | 0.00     |
| 58   | Fluorene                   | 1.430 | 1.452 | -1.5  | 112   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.368 | 0.402 | -9.2  | 119   | 0.00     |
| 60   | Diethylphthalate           | 1.599 | 1.586 | 0.8   | 107   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.738 | 0.751 | -1.8  | 111   | 0.00     |
| 62   | 4-Nitroaniline             | 0.313 | 0.328 | -4.8  | 109   | 0.00     |
| 63   | Azobenzene                 | 1.581 | 1.495 | 5.4   | 103   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.110 | 0.122 | -10.9 | 111   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.676 | 0.712 | -5.3  | 113   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.221 | 0.252 | -14.0 | 126   | 0.00     |
| 68   | Hexachlorobenzene          | 0.252 | 0.277 | -9.9  | 119   | 0.00     |
| 69   | Atrazine                   | 0.232 | 0.248 | -6.9  | 113   | 0.00     |
| 70 C | Pentachlorophenol          | 0.153 | 0.168 | -9.8  | 112   | 0.00     |
| 71   | Phenanthrene               | 1.144 | 1.156 | -1.0  | 109   | 0.00     |
| 72   | Anthracene                 | 1.123 | 1.148 | -2.2  | 110   | 0.00     |
| 73   | Carbazole                  | 1.058 | 0.994 | 6.0   | 99    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.366 | 1.398 | -2.3  | 107   | 0.00     |
| 75 C | Fluoranthene               | 1.201 | 1.049 | 12.7  | 91    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 85    | 0.00     |
| 77   | Benzydine                  | 0.600 | 0.588 | 2.0   | 81    | 0.00     |
| 78   | Pyrene                     | 1.408 | 1.489 | -5.8  | 90    | 0.00     |
| 79 S | Terphenyl-d14              | 1.111 | 1.202 | -8.2  | 93    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.629 | 0.665 | -5.7  | 86    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.356 | 1.382 | -1.9  | 86    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.481 | 0.527 | -9.6  | 89    | 0.00     |
| 83   | Chrysene                   | 1.298 | 1.318 | -1.5  | 86    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.958 | 0.930 | 2.9   | 81    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.558 | 1.513 | 2.9   | 79    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.475 | 1.546 | -4.8  | 90    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.275 | 1.259 | 1.3   | 84    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.236 | 1.301 | -5.3  | 91    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.058 | 1.086 | -2.6  | 87    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.225 | 1.288 | -5.1  | 90    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.204 | 1.257 | -4.4  | 90    | -0.01    |

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

(#) = Out of Range

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