

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041023\  
 Data File : BM039371.D  
 Acq On : 10 Apr 2023 10:53  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 11 02:07:19 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 11 02:05:37 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   | 89    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.543 | 0.640 | -17.9 | 106   | 0.00     |
| 3    | Pyridine                    | 1.520 | 1.717 | -13.0 | 99    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.597 | 0.669 | -12.1 | 100   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.327 | 1.441 | -8.6  | 97    | 0.00     |
| 6    | Aniline                     | 2.125 | 2.267 | -6.7  | 94    | 0.00     |
| 7 S  | Phenol-d6                   | 1.717 | 1.848 | -7.6  | 95    | 0.01     |
| 8    | 2-Chlorophenol              | 1.359 | 1.445 | -6.3  | 95    | 0.00     |
| 9    | Benzaldehyde                | 0.978 | 0.861 | 12.0  | 78    | 0.00     |
| 10 C | Phenol                      | 1.721 | 1.844 | -7.1  | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.384 | 1.538 | -11.1 | 99    | 0.01     |
| 12   | 1,3-Dichlorobenzene         | 1.441 | 1.527 | -6.0  | 95    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.457 | 1.523 | -4.5  | 93    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.393 | 1.486 | -6.7  | 96    | 0.00     |
| 15   | Benzyl Alcohol              | 1.181 | 1.166 | 1.3   | 87    | 0.01     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.771 | 2.012 | -13.6 | 102   | 0.00     |
| 17   | 2-Methylphenol              | 1.204 | 1.262 | -4.8  | 93    | 0.00     |
| 18   | Hexachloroethane            | 0.564 | 0.587 | -4.1  | 94    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.098 | 1.174 | -6.9  | 96    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.618 | 1.689 | -4.4  | 92    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 22   | Acetophenone                | 0.535 | 0.570 | -6.5  | 93    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.412 | 0.450 | -9.2  | 95    | 0.00     |
| 24   | Nitrobenzene                | 0.409 | 0.448 | -9.5  | 95    | 0.00     |
| 25   | Isophorone                  | 0.768 | 0.823 | -7.2  | 93    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.189 | 0.189 | 0.0   | 85    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.314 | 0.323 | -2.9  | 89    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.465 | 0.496 | -6.7  | 93    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.307 | 0.323 | -5.2  | 90    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.328 | 0.348 | -6.1  | 93    | 0.00     |
| 31   | Naphthalene                 | 1.078 | 1.143 | -6.0  | 93    | 0.00     |
| 32   | Benzoic acid                | 0.245 | 0.207 | 15.5  | 71    | 0.00     |
| 33   | 4-Chloroaniline             | 0.472 | 0.463 | 1.9   | 85    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.193 | 0.206 | -6.7  | 94    | 0.00     |
| 35   | Caprolactam                 | 0.106 | 0.102 | 3.8   | 81    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.338 | 0.343 | -1.5  | 87    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.750 | 0.783 | -4.4  | 91    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.702 | 0.731 | -4.1  | 91    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 86    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.609 | 0.656 | -7.7  | 92    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.333 | 0.342 | -2.7  | 83    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.254 | 0.266 | -4.7  | 88    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.415 | 0.435 | -4.8  | 87    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.487 | 0.513 | -5.3  | 87    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.476 | 1.604 | -8.7  | 93    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.579 | 1.689 | -7.0  | 91    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.196 | 1.259 | -5.3  | 90    | 0.00     |

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

|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 0.402 | 0.406 | -1.0  | 84    | 0.00     |
| 49   | Acenaphthylene             | 1.965 | 2.080 | -5.9  | 90    | 0.00     |
| 50   | Dimethylphthalate          | 1.541 | 1.615 | -4.8  | 90    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.331 | 0.347 | -4.8  | 87    | 0.00     |
| 52 C | Acenaphthene               | 1.161 | 1.236 | -6.5  | 91    | 0.00     |
| 53   | 3-Nitroaniline             | 0.383 | 0.352 | 8.1   | 76    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.196 | 0.178 | 9.2   | 74    | 0.00     |
| 55   | Dibenzofuran               | 1.868 | 1.960 | -4.9  | 90    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.295 | 0.278 | 5.8   | 74    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.448 | 0.457 | -2.0  | 84    | 0.00     |
| 58   | Fluorene                   | 1.480 | 1.571 | -6.1  | 91    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.387 | 0.408 | -5.4  | 89    | 0.00     |
| 60   | Diethylphthalate           | 1.551 | 1.631 | -5.2  | 90    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.733 | 0.781 | -6.5  | 92    | 0.00     |
| 62   | 4-Nitroaniline             | 0.393 | 0.327 | 16.8  | 67    | 0.00     |
| 63   | Azobenzene                 | 1.554 | 1.712 | -10.2 | 93    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 84    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.132 | 0.136 | -3.0  | 84    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.630 | 0.670 | -6.3  | 88    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.214 | 0.225 | -5.1  | 88    | 0.00     |
| 68   | Hexachlorobenzene          | 0.232 | 0.247 | -6.5  | 89    | 0.00     |
| 69   | Atrazine                   | 0.200 | 0.208 | -4.0  | 87    | 0.00     |
| 70 C | Pentachlorophenol          | 0.166 | 0.181 | -9.0  | 86    | 0.00     |
| 71   | Phenanthrene               | 1.095 | 1.158 | -5.8  | 88    | 0.00     |
| 72   | Anthracene                 | 1.117 | 1.206 | -8.0  | 89    | 0.00     |
| 73   | Carbazole                  | 1.044 | 1.063 | -1.8  | 84    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.291 | 1.417 | -9.8  | 90    | 0.00     |
| 75 C | Fluoranthene               | 1.249 | 1.337 | -7.0  | 89    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 82    | 0.00     |
| 77   | Benzydine                  | 0.528 | 0.475 | 10.0  | 69    | 0.00     |
| 78   | Pyrene                     | 1.424 | 1.540 | -8.1  | 89    | 0.00     |
| 79 S | Terphenyl-d14              | 1.083 | 1.190 | -9.9  | 90    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.652 | 0.700 | -7.4  | 87    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.411 | 1.466 | -3.9  | 86    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.470 | 0.468 | 0.4   | 81    | 0.00     |
| 83   | Chrysene                   | 1.362 | 1.463 | -7.4  | 88    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.963 | 1.053 | -9.3  | 90    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.736 | 1.814 | -4.5  | 86    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 84    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.474 | 1.636 | -11.0 | 91    | -0.01    |
| 88   | Benzo(b)fluoranthene       | 1.224 | 1.232 | -0.7  | 85    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.247 | 1.344 | -7.8  | 90    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.202 | 1.289 | -7.2  | 89    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.237 | 1.364 | -10.3 | 91    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.217 | 1.345 | -10.5 | 91    | -0.02    |

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

(#) = Out of Range

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