

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110124\  
 Data File : BG063140.D  
 Acq On : 1 Nov 2024 9:41  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 01 13:33:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG103124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 01 05:13:40 2024  
 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  | 105   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.507 | 0.514 | -1.4 | 105   | 0.00     |
| 3    | Pyridine                    | 1.223 | 1.282 | -4.8 | 106   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.760 | 0.826 | -8.7 | 103   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.290 | 1.260 | 2.3  | 107   | 0.00     |
| 6    | Aniline                     | 1.520 | 1.559 | -2.6 | 107   | 0.00     |
| 7 S  | Phenol-d6                   | 1.690 | 1.760 | -4.1 | 109   | 0.00     |
| 8    | 2-Chlorophenol              | 1.198 | 1.263 | -5.4 | 110   | 0.00     |
| 9    | Benzaldehyde                | 1.050 | 1.117 | -6.4 | 110   | 0.00     |
| 10 C | Phenol                      | 1.811 | 1.888 | -4.3 | 111   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.221 | 1.251 | -2.5 | 109   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.453 | 1.438 | 1.0  | 105   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.481 | 1.500 | -1.3 | 108   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.428 | 1.447 | -1.3 | 108   | 0.00     |
| 15   | Benzyl Alcohol              | 1.358 | 1.482 | -9.1 | 112   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.215 | 2.388 | -7.8 | 115   | 0.00     |
| 17   | 2-Methylphenol              | 1.152 | 1.232 | -6.9 | 114   | 0.00     |
| 18   | Hexachloroethane            | 0.530 | 0.539 | -1.7 | 105   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.177 | 1.286 | -9.3 | 115   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.536 | 1.673 | -8.9 | 113   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 115   | 0.00     |
| 22   | Acetophenone                | 0.536 | 0.531 | 0.9  | 113   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.460 | 0.451 | 2.0  | 115   | 0.00     |
| 24   | Nitrobenzene                | 0.497 | 0.490 | 1.4  | 116   | 0.00     |
| 25   | Isophorone                  | 0.795 | 0.783 | 1.5  | 112   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.183 | 0.178 | 2.7  | 114   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.225 | 0.222 | 1.3  | 116   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.417 | 0.407 | 2.4  | 113   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.340 | 0.326 | 4.1  | 110   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.418 | 0.395 | 5.5  | 109   | 0.00     |
| 31   | Naphthalene                 | 1.055 | 1.024 | 2.9  | 112   | 0.00     |
| 32   | Benzoic acid                | 0.196 | 0.197 | -0.5 | 112   | 0.00     |
| 33   | 4-Chloroaniline             | 0.356 | 0.355 | 0.3  | 113   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.344 | 0.316 | 8.1  | 105   | 0.00     |
| 35   | Caprolactam                 | 0.108 | 0.104 | 3.7  | 109   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.391 | 0.370 | 5.4  | 111   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.748 | 0.718 | 4.0  | 114   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.737 | 0.698 | 5.3  | 109   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 115   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.719 | 0.662 | 7.9  | 106   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.234 | 0.222 | 5.1  | 106   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.340 | 0.310 | 8.8  | 106   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.430 | 0.407 | 5.3  | 105   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.473 | 0.450 | 4.9  | 106   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.350 | 1.263 | 6.4  | 107   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.357 | 1.300 | 4.2  | 111   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.137 | 1.099 | 3.3  | 114   | 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             | 0.399 | 0.391 | 2.0   | 108   | 0.00     |
| 49   | Acenaphthylene             | 1.605 | 1.545 | 3.7   | 113   | 0.00     |
| 50   | Dimethylphthalate          | 1.425 | 1.373 | 3.6   | 114   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.304 | 0.293 | 3.6   | 111   | 0.00     |
| 52 C | Acenaphthene               | 0.994 | 0.945 | 4.9   | 111   | 0.00     |
| 53   | 3-Nitroaniline             | 0.289 | 0.286 | 1.0   | 112   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.186 | 0.183 | 1.6   | 110   | 0.00     |
| 55   | Dibenzofuran               | 1.752 | 1.672 | 4.6   | 112   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.219 | 0.219 | 0.0   | 114   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.435 | 0.428 | 1.6   | 114   | 0.00     |
| 58   | Fluorene                   | 1.388 | 1.321 | 4.8   | 110   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.454 | 0.436 | 4.0   | 110   | 0.00     |
| 60   | Diethylphthalate           | 1.464 | 1.392 | 4.9   | 110   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.863 | 0.815 | 5.6   | 110   | 0.00     |
| 62   | 4-Nitroaniline             | 0.319 | 0.304 | 4.7   | 112   | 0.00     |
| 63   | Azobenzene                 | 1.514 | 1.455 | 3.9   | 112   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 112   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.129 | 0.124 | 3.9   | 109   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.499 | 0.479 | 4.0   | 111   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.245 | 0.240 | 2.0   | 112   | 0.00     |
| 68   | Hexachlorobenzene          | 0.284 | 0.272 | 4.2   | 109   | 0.00     |
| 69   | Atrazine                   | 0.229 | 0.185 | 19.2  | 113   | 0.00     |
| 70 C | Pentachlorophenol          | 0.141 | 0.141 | 0.0   | 106   | 0.00     |
| 71   | Phenanthrene               | 0.970 | 0.929 | 4.2   | 111   | 0.00     |
| 72   | Anthracene                 | 0.952 | 0.929 | 2.4   | 111   | 0.00     |
| 73   | Carbazole                  | 0.896 | 0.852 | 4.9   | 112   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.017 | 0.968 | 4.8   | 112   | 0.00     |
| 75 C | Fluoranthene               | 1.372 | 1.259 | 8.2   | 110   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 113   | 0.00     |
| 77   | Benzydine                  | 0.308 | 0.180 | 41.6# | 78    | 0.00     |
| 78   | Pyrene                     | 1.186 | 1.176 | 0.8   | 109   | 0.00     |
| 79 S | Terphenyl-d14              | 0.972 | 0.955 | 1.7   | 108   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.382 | 0.382 | 0.0   | 112   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.259 | 1.235 | 1.9   | 111   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.467 | 0.453 | 3.0   | 110   | 0.00     |
| 83   | Chrysene                   | 1.183 | 1.165 | 1.5   | 110   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.554 | 0.558 | -0.7  | 113   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 0.927 | 0.941 | -1.5  | 114   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 112   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.342 | 1.326 | 1.2   | 112   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.166 | 1.147 | 1.6   | 112   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.112 | 1.126 | -1.3  | 113   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.018 | 0.999 | 1.9   | 113   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.120 | 1.109 | 1.0   | 112   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.108 | 1.063 | 4.1   | 109   | 0.00     |

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

(#) = Out of Range

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