

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052623\  
 Data File : BG057578.D  
 Acq On : 26 May 2023 9:49  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 26 10:25:38 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 26 02:58:05 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   | 113   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.483 | 0.428 | 11.4  | 100   | 0.00     |
| 3    | Pyridine                    | 1.554 | 1.468 | 5.5   | 102   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.730 | 0.614 | 15.9  | 91    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.169 | 1.134 | 3.0   | 107   | 0.00     |
| 6    | Aniline                     | 2.252 | 2.364 | -5.0  | 115   | 0.00     |
| 7 S  | Phenol-d6                   | 1.775 | 1.873 | -5.5  | 116   | 0.00     |
| 8    | 2-Chlorophenol              | 1.235 | 1.284 | -4.0  | 115   | 0.00     |
| 9    | Benzaldehyde                | 1.042 | 0.893 | 14.3  | 107   | 0.00     |
| 10 C | Phenol                      | 1.731 | 1.779 | -2.8  | 112   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.305 | 1.300 | 0.4   | 111   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.364 | 1.380 | -1.2  | 113   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.370 | 1.371 | -0.1  | 110   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.322 | 1.367 | -3.4  | 117   | 0.00     |
| 15   | Benzyl Alcohol              | 1.479 | 1.571 | -6.2  | 112   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.645 | 1.629 | 1.0   | 110   | 0.00     |
| 17   | 2-Methylphenol              | 1.248 | 1.364 | -9.3  | 119   | 0.00     |
| 18   | Hexachloroethane            | 0.494 | 0.492 | 0.4   | 112   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.354 | 1.393 | -2.9  | 114   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.708 | 1.941 | -13.6 | 125   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 120   | 0.00     |
| 22   | Acetophenone                | 0.572 | 0.562 | 1.7   | 117   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.477 | 0.458 | 4.0   | 112   | 0.00     |
| 24   | Nitrobenzene                | 0.481 | 0.453 | 5.8   | 110   | 0.00     |
| 25   | Isophorone                  | 0.924 | 0.902 | 2.4   | 116   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.184 | 0.203 | -10.3 | 128   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.322 | 0.345 | -7.1  | 123   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.463 | 0.463 | 0.0   | 118   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.342 | 0.370 | -8.2  | 127   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.394 | 0.380 | 3.6   | 115   | 0.00     |
| 31   | Naphthalene                 | 1.069 | 1.106 | -3.5  | 122   | 0.00     |
| 32   | Benzoic acid                | 0.170 | 0.211 | -24.1 | 138   | 0.00     |
| 33   | 4-Chloroaniline             | 0.480 | 0.519 | -8.1  | 125   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.293 | 0.267 | 8.9   | 110   | 0.00     |
| 35   | Caprolactam                 | 0.117 | 0.129 | -10.3 | 126   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.389 | 0.437 | -12.3 | 132   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.841 | 0.894 | -6.3  | 126   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.792 | 0.837 | -5.7  | 125   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 125   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.710 | 0.704 | 0.8   | 120   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.287 | 0.235 | 18.1  | 94    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.284 | 0.309 | -8.8  | 133   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.433 | 0.459 | -6.0  | 125   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.509 | 0.527 | -3.5  | 122   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.485 | 1.484 | 0.1   | 122   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.484 | 1.498 | -0.9  | 122   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.104 | 1.121 | -1.5  | 123   | 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             | 0.375 | 0.383 | -2.1  | 122   | 0.00     |
| 49   | Acenaphthylene             | 1.793 | 1.874 | -4.5  | 127   | 0.00     |
| 50   | Dimethylphthalate          | 1.644 | 1.607 | 2.3   | 122   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.336 | 0.355 | -5.7  | 128   | 0.00     |
| 52 C | Acenaphthene               | 1.120 | 1.149 | -2.6  | 124   | 0.00     |
| 53   | 3-Nitroaniline             | 0.336 | 0.355 | -5.7  | 129   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.182 | 0.210 | -15.4 | 133   | 0.00     |
| 55   | Dibenzofuran               | 1.882 | 1.927 | -2.4  | 126   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.224 | 0.223 | 0.4   | 113   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.480 | 0.504 | -5.0  | 128   | 0.00     |
| 58   | Fluorene                   | 1.551 | 1.585 | -2.2  | 126   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.461 | 0.473 | -2.6  | 122   | 0.00     |
| 60   | Diethylphthalate           | 1.669 | 1.605 | 3.8   | 118   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.934 | 0.915 | 2.0   | 120   | 0.00     |
| 62   | 4-Nitroaniline             | 0.339 | 0.354 | -4.4  | 124   | 0.00     |
| 63   | Azobenzene                 | 1.610 | 1.498 | 7.0   | 114   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 123   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.119 | 0.132 | -10.9 | 122   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.543 | 0.570 | -5.0  | 124   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.244 | 0.253 | -3.7  | 123   | 0.00     |
| 68   | Hexachlorobenzene          | 0.237 | 0.251 | -5.9  | 127   | 0.00     |
| 69   | Atrazine                   | 0.207 | 0.214 | -3.4  | 123   | 0.00     |
| 70 C | Pentachlorophenol          | 0.137 | 0.143 | -4.4  | 118   | 0.00     |
| 71   | Phenanthrene               | 1.025 | 1.059 | -3.3  | 124   | 0.00     |
| 72   | Anthracene                 | 1.052 | 1.073 | -2.0  | 121   | 0.00     |
| 73   | Carbazole                  | 0.885 | 0.909 | -2.7  | 123   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.019 | 1.053 | -3.3  | 122   | 0.00     |
| 75 C | Fluoranthene               | 1.275 | 1.230 | 3.5   | 115   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 113   | 0.00     |
| 77   | Benzidine                  | 0.447 | 0.411 | 8.1   | 117   | 0.00     |
| 78   | Pyrene                     | 1.453 | 1.501 | -3.3  | 116   | 0.00     |
| 79 S | Terphenyl-d14              | 1.226 | 1.221 | 0.4   | 113   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.461 | 0.532 | -15.4 | 125   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.425 | 1.414 | 0.8   | 109   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.456 | 0.468 | -2.6  | 111   | 0.00     |
| 83   | Chrysene                   | 1.341 | 1.333 | 0.6   | 110   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.682 | 0.739 | -8.4  | 117   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.137 | 1.236 | -8.7  | 118   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 115   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.458 | 1.456 | 0.1   | 112   | 0.02     |
| 88   | Benzo(b)fluoranthene       | 1.307 | 1.266 | 3.1   | 109   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.329 | 1.258 | 5.3   | 107   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.277 | 1.239 | 3.0   | 110   | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 1.214 | 1.218 | -0.3  | 113   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 1.185 | 1.202 | -1.4  | 114   | 0.02     |

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

(#) = Out of Range

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