

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG012523\  
 Data File : BG056420.D  
 Acq On : 25 Jan 2023 11:07  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 26 01:10:29 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 25 04:54:56 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    | 90    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.512 | 0.476 | 7.0    | 80    | 0.00     |
| 3    | Pyridine                    | 1.558 | 1.389 | 10.8   | 77    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.317 | 0.311 | 1.9    | 84    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.120 | 1.143 | -2.1   | 91    | 0.00     |
| 6    | Aniline                     | 2.256 | 2.173 | 3.7    | 85    | 0.00     |
| 7 S  | Phenol-d6                   | 1.720 | 1.674 | 2.7    | 84    | 0.00     |
| 8    | 2-Chlorophenol              | 1.115 | 1.233 | -10.6  | 98    | 0.00     |
| 9    | Benzaldehyde                | 1.023 | 1.062 | -3.8   | 95    | 0.00     |
| 10 C | Phenol                      | 1.745 | 1.703 | 2.4    | 85    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.182 | 1.186 | -0.3   | 89    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.357 | 1.460 | -7.6   | 97    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.362 | 1.485 | -9.0   | 97    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.314 | 1.425 | -8.4   | 96    | 0.00     |
| 15   | Benzyl Alcohol              | 1.252 | 1.149 | 8.2    | 79    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 0.209 | 0.275 | -31.6# | 118   | 0.00     |
| 17   | 2-Methylphenol              | 1.280 | 1.303 | -1.8   | 88    | 0.00     |
| 18   | Hexachloroethane            | 0.414 | 0.451 | -8.9   | 97    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.046 | 0.955 | 8.7    | 81    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.800 | 1.820 | -1.1   | 87    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 91    | 0.00     |
| 22   | Acetophenone                | 0.566 | 0.538 | 4.9    | 86    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.391 | 0.360 | 7.9    | 84    | 0.00     |
| 24   | Nitrobenzene                | 0.387 | 0.355 | 8.3    | 84    | 0.00     |
| 25   | Isophorone                  | 0.823 | 0.722 | 12.3   | 80    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.198 | 0.209 | -5.6   | 96    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.362 | 0.358 | 1.1    | 90    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.428 | 0.409 | 4.4    | 88    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.400 | 0.403 | -0.8   | 89    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.454 | 0.456 | -0.4   | 92    | 0.00     |
| 31   | Naphthalene                 | 1.053 | 1.103 | -4.7   | 96    | 0.00     |
| 32   | Benzoic acid                | 0.268 | 0.202 | 24.6   | 66    | 0.00     |
| 33   | 4-Chloroaniline             | 0.503 | 0.492 | 2.2    | 89    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.326 | 0.327 | -0.3   | 90    | 0.00     |
| 35   | Caprolactam                 | 0.135 | 0.121 | 10.4   | 82    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.406 | 0.383 | 5.7    | 86    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.889 | 0.893 | -0.4   | 91    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.825 | 0.826 | -0.1   | 92    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 86    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.750 | 0.763 | -1.7   | 86    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.427 | 0.428 | -0.2   | 81    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.253 | 0.262 | -3.6   | 88    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.496 | 0.496 | 0.0    | 83    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.586 | 0.567 | 3.2    | 82    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.448 | 1.488 | -2.8   | 87    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.432 | 1.514 | -5.7   | 90    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.131 | 1.172 | -3.6   | 88    | 0.00     |

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|      | Compound                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 48   | 2-Nitroaniline             | 0.241 | 0.240 | 0.4  | 84    | 0.00     |
| 49   | Acenaphthylene             | 1.840 | 1.887 | -2.6 | 87    | 0.00     |
| 50   | Dimethylphthalate          | 1.615 | 1.576 | 2.4  | 84    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.344 | 0.343 | 0.3  | 87    | 0.00     |
| 52 C | Acenaphthene               | 1.197 | 1.218 | -1.8 | 86    | 0.00     |
| 53   | 3-Nitroaniline             | 0.327 | 0.332 | -1.5 | 86    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.246 | 0.214 | 13.0 | 71    | 0.00     |
| 55   | Dibenzofuran               | 1.980 | 1.962 | 0.9  | 84    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.252 | 0.217 | 13.9 | 72    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.481 | 0.482 | -0.2 | 84    | 0.00     |
| 58   | Fluorene                   | 1.593 | 1.554 | 2.4  | 84    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.551 | 0.490 | 11.1 | 76    | 0.00     |
| 60   | Diethylphthalate           | 1.514 | 1.449 | 4.3  | 82    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.994 | 0.955 | 3.9  | 81    | 0.00     |
| 62   | 4-Nitroaniline             | 0.335 | 0.332 | 0.9  | 83    | 0.00     |
| 63   | Azobenzene                 | 1.168 | 1.048 | 10.3 | 77    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 77    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.135 | 0.145 | -7.4 | 79    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.555 | 0.593 | -6.8 | 82    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.255 | 0.270 | -5.9 | 81    | 0.00     |
| 68   | Hexachlorobenzene          | 0.238 | 0.260 | -9.2 | 84    | 0.00     |
| 69   | Atrazine                   | 0.230 | 0.233 | -1.3 | 76    | 0.00     |
| 70 C | Pentachlorophenol          | 0.183 | 0.173 | 5.5  | 71    | 0.00     |
| 71   | Phenanthrene               | 1.036 | 1.057 | -2.0 | 78    | 0.00     |
| 72   | Anthracene                 | 1.069 | 1.092 | -2.2 | 78    | 0.00     |
| 73   | Carbazole                  | 0.899 | 0.916 | -1.9 | 78    | 0.00     |
| 74   | Di-n-butylphthalate        | 0.896 | 0.953 | -6.4 | 81    | 0.00     |
| 75 C | Fluoranthene               | 1.352 | 1.268 | 6.2  | 71    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 70    | 0.00     |
| 77   | Benzidine                  | 0.701 | 0.661 | 5.7  | 63    | 0.00     |
| 78   | Pyrene                     | 1.410 | 1.448 | -2.7 | 72    | 0.00     |
| 79 S | Terphenyl-d14              | 1.117 | 1.162 | -4.0 | 73    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.404 | 0.439 | -8.7 | 75    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.405 | 1.423 | -1.3 | 70    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.506 | 0.518 | -2.4 | 69    | 0.00     |
| 83   | Chrysene                   | 1.316 | 1.334 | -1.4 | 70    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.583 | 0.633 | -8.6 | 75    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 0.984 | 1.046 | -6.3 | 73    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 69    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.455 | 1.501 | -3.2 | 70    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.271 | 1.282 | -0.9 | 68    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.265 | 1.284 | -1.5 | 69    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.239 | 1.259 | -1.6 | 69    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.219 | 1.275 | -4.6 | 71    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.183 | 1.207 | -2.0 | 68    | 0.00     |

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

(#) = Out of Range

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