

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042922\  
 Data File : BG053375.D  
 Acq On : 29 Apr 2022 13:38  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 02 01:02:26 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Apr 24 01:13:30 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   | 117   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.557 | 0.609 | -9.3  | 122   | 0.00     |
| 3    | Pyridine                    | 1.470 | 1.627 | -10.7 | 117   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.728 | 0.814 | -11.8 | 119   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.167 | 1.267 | -8.6  | 120   | 0.00     |
| 6    | Aniline                     | 2.085 | 2.126 | -2.0  | 110   | 0.00     |
| 7 S  | Phenol-d6                   | 1.799 | 1.907 | -6.0  | 114   | 0.00     |
| 8    | 2-Chlorophenol              | 1.260 | 1.293 | -2.6  | 111   | 0.00     |
| 9    | Benzaldehyde                | 1.075 | 1.122 | -4.4  | 128   | 0.00     |
| 10 C | Phenol                      | 1.791 | 1.891 | -5.6  | 117   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.291 | 1.351 | -4.6  | 117   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.464 | 1.535 | -4.8  | 116   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.492 | 1.559 | -4.5  | 115   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.439 | 1.445 | -0.4  | 113   | 0.00     |
| 15   | Benzyl Alcohol              | 1.599 | 1.625 | -1.6  | 109   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.155 | 2.234 | -3.7  | 111   | -0.01    |
| 17   | 2-Methylphenol              | 1.212 | 1.253 | -3.4  | 114   | 0.00     |
| 18   | Hexachloroethane            | 0.560 | 0.589 | -5.2  | 114   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.317 | 1.312 | 0.4   | 108   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.711 | 1.742 | -1.8  | 110   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 22   | Acetophenone                | 0.555 | 0.581 | -4.7  | 110   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.493 | 0.508 | -3.0  | 109   | 0.00     |
| 24   | Nitrobenzene                | 0.479 | 0.494 | -3.1  | 112   | 0.00     |
| 25   | Isophorone                  | 0.837 | 0.860 | -2.7  | 107   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.200 | 0.211 | -5.5  | 110   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.287 | 0.300 | -4.5  | 109   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.470 | 0.496 | -5.5  | 110   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.361 | 0.381 | -5.5  | 109   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.408 | 0.425 | -4.2  | 109   | 0.00     |
| 31   | Naphthalene                 | 1.067 | 1.084 | -1.6  | 107   | 0.00     |
| 32   | Benzoic acid                | 0.155 | 0.178 | -14.8 | 98    | 0.00     |
| 33   | 4-Chloroaniline             | 0.457 | 0.461 | -0.9  | 104   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.303 | 0.315 | -4.0  | 110   | 0.00     |
| 35   | Caprolactam                 | 0.127 | 0.124 | 2.4   | 100   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.420 | 0.426 | -1.4  | 105   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.790 | 0.801 | -1.4  | 107   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.771 | 0.767 | 0.5   | 105   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.679 | 0.708 | -4.3  | 107   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.351 | 0.350 | 0.3   | 98    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.318 | 0.316 | 0.6   | 99    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.468 | 0.464 | 0.9   | 99    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.499 | 0.484 | 3.0   | 97    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.450 | 1.477 | -1.9  | 104   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.440 | 1.463 | -1.6  | 104   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.149 | 1.159 | -0.9  | 103   | 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             | 0.436 | 0.444 | -1.8 | 100   | 0.00     |
| 49   | Acenaphthylene             | 1.799 | 1.832 | -1.8 | 102   | 0.00     |
| 50   | Dimethylphthalate          | 1.600 | 1.578 | 1.4  | 100   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.334 | 0.333 | 0.3  | 101   | 0.00     |
| 52 C | Acenaphthene               | 1.220 | 1.238 | -1.5 | 102   | 0.00     |
| 53   | 3-Nitroaniline             | 0.353 | 0.368 | -4.2 | 103   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.212 | 0.201 | 5.2  | 92    | 0.00     |
| 55   | Dibenzofuran               | 1.910 | 1.918 | -0.4 | 103   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.269 | 0.271 | -0.7 | 96    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.475 | 0.490 | -3.2 | 102   | 0.00     |
| 58   | Fluorene                   | 1.543 | 1.536 | 0.5  | 101   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.485 | 0.488 | -0.6 | 100   | 0.00     |
| 60   | Diethylphthalate           | 1.676 | 1.648 | 1.7  | 100   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.875 | 0.874 | 0.1  | 101   | 0.00     |
| 62   | 4-Nitroaniline             | 0.372 | 0.387 | -4.0 | 106   | 0.00     |
| 63   | Azobenzene                 | 1.690 | 1.709 | -1.1 | 103   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 102   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.140 | 0.144 | -2.9 | 101   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.575 | 0.583 | -1.4 | 101   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.256 | 0.265 | -3.5 | 102   | 0.00     |
| 68   | Hexachlorobenzene          | 0.278 | 0.282 | -1.4 | 101   | 0.00     |
| 69   | Atrazine                   | 0.225 | 0.216 | 4.0  | 98    | 0.00     |
| 70 C | Pentachlorophenol          | 0.152 | 0.146 | 3.9  | 90    | 0.00     |
| 71   | Phenanthrene               | 1.092 | 1.107 | -1.4 | 102   | 0.00     |
| 72   | Anthracene                 | 1.082 | 1.095 | -1.2 | 102   | 0.00     |
| 73   | Carbazole                  | 1.052 | 1.078 | -2.5 | 103   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.193 | 1.209 | -1.3 | 102   | 0.00     |
| 75 C | Fluoranthene               | 1.400 | 1.428 | -2.0 | 104   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 109   | 0.00     |
| 77   | Benzydine                  | 0.571 | 0.541 | 5.3  | 108   | 0.00     |
| 78   | Pyrene                     | 1.424 | 1.383 | 2.9  | 103   | 0.00     |
| 79 S | Terphenyl-d14              | 1.184 | 1.127 | 4.8  | 101   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.531 | 0.547 | -3.0 | 108   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.367 | 1.401 | -2.5 | 109   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.503 | 0.510 | -1.4 | 108   | 0.00     |
| 83   | Chrysene                   | 1.269 | 1.292 | -1.8 | 108   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.718 | 0.753 | -4.9 | 112   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.201 | 1.280 | -6.6 | 113   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 115   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.486 | 1.529 | -2.9 | 114   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.262 | 1.293 | -2.5 | 114   | -0.01    |
| 89   | Benzo(k)fluoranthene       | 1.240 | 1.256 | -1.3 | 113   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.075 | 1.113 | -3.5 | 115   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.223 | 1.247 | -2.0 | 114   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.205 | 1.254 | -4.1 | 116   | -0.01    |

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

(#) = Out of Range

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