

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081321\  
 Data File : BG049829.D  
 Acq On : 13 Aug 2021 10:34  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 13 11:51:34 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 03 15:15:33 2021  
 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   | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.488 | 0.444 | 9.0   | 98    | -0.02    |
| 3    | Pyridine                    | 1.336 | 1.130 | 15.4  | 87    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.719 | 0.651 | 9.5   | 95    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.116 | 1.034 | 7.3   | 96    | 0.00     |
| 6    | Aniline                     | 1.790 | 1.781 | 0.5   | 103   | 0.00     |
| 7 S  | Phenol-d6                   | 1.689 | 1.658 | 1.8   | 101   | 0.00     |
| 8    | 2-Chlorophenol              | 1.216 | 1.173 | 3.5   | 103   | 0.00     |
| 9    | Benzaldehyde                | 1.127 | 0.971 | 13.8  | 92    | 0.00     |
| 10 C | Phenol                      | 1.636 | 1.607 | 1.8   | 101   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.105 | 1.076 | 2.6   | 102   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.393 | 1.294 | 7.1   | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.410 | 1.305 | 7.4   | 98    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.336 | 1.248 | 6.6   | 97    | 0.00     |
| 15   | Benzyl Alcohol              | 1.418 | 1.407 | 0.8   | 101   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.255 | 1.180 | 6.0   | 98    | -0.01    |
| 17   | 2-Methylphenol              | 1.078 | 1.117 | -3.6  | 106   | 0.00     |
| 18   | Hexachloroethane            | 0.542 | 0.532 | 1.8   | 100   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.130 | 1.152 | -1.9  | 105   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.513 | 1.566 | -3.5  | 107   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 122   | -0.01    |
| 22   | Acetophenone                | 0.543 | 0.476 | 12.3  | 106   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.452 | 0.383 | 15.3  | 101   | 0.00     |
| 24   | Nitrobenzene                | 0.477 | 0.393 | 17.6  | 98    | 0.00     |
| 25   | Isophorone                  | 0.807 | 0.712 | 11.8  | 105   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.182 | 0.171 | 6.0   | 109   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.269 | 0.248 | 7.8   | 109   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.353 | 0.324 | 8.2   | 110   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.330 | 0.300 | 9.1   | 109   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.363 | 0.325 | 10.5  | 109   | 0.00     |
| 31   | Naphthalene                 | 1.047 | 0.925 | 11.7  | 107   | 0.00     |
| 32   | Benzoic acid                | 0.174 | 0.156 | 10.3  | 101   | 0.00     |
| 33   | 4-Chloroaniline             | 0.414 | 0.383 | 7.5   | 109   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.264 | 0.233 | 11.7  | 108   | -0.01    |
| 35   | Caprolactam                 | 0.102 | 0.094 | 7.8   | 112   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.381 | 0.358 | 6.0   | 111   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.789 | 0.717 | 9.1   | 107   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.742 | 0.664 | 10.5  | 108   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 128   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.589 | 0.529 | 10.2  | 111   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.243 | 0.277 | -14.0 | 115   | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 0.294 | 0.272 | 7.5   | 117   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.397 | 0.367 | 7.6   | 112   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.431 | 0.399 | 7.4   | 112   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.374 | 1.187 | 13.6  | 107   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.424 | 1.251 | 12.1  | 109   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.138 | 1.011 | 11.2  | 109   | 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             | 0.418 | 0.364 | 12.9 | 106   | 0.00     |
| 49   | Acenaphthylene             | 1.803 | 1.585 | 12.1 | 109   | 0.00     |
| 50   | Dimethylphthalate          | 1.509 | 1.327 | 12.1 | 111   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.332 | 0.307 | 7.5  | 111   | 0.00     |
| 52 C | Acenaphthene               | 1.086 | 0.938 | 13.6 | 107   | 0.00     |
| 53   | 3-Nitroaniline             | 0.324 | 0.294 | 9.3  | 112   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.189 | 0.182 | 3.7  | 119   | 0.00     |
| 55   | Dibenzofuran               | 1.762 | 1.569 | 11.0 | 110   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.237 | 0.202 | 14.8 | 100   | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 0.467 | 0.433 | 7.3  | 117   | 0.00     |
| 58   | Fluorene                   | 1.432 | 1.261 | 11.9 | 110   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.400 | 0.358 | 10.5 | 113   | 0.00     |
| 60   | Diethylphthalate           | 1.518 | 1.365 | 10.1 | 113   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.764 | 0.681 | 10.9 | 112   | 0.00     |
| 62   | 4-Nitroaniline             | 0.333 | 0.313 | 6.0  | 114   | 0.00     |
| 63   | Azobenzene                 | 1.606 | 1.354 | 15.7 | 106   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 135   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.129 | 0.120 | 7.0  | 117   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.565 | 0.499 | 11.7 | 113   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.236 | 0.206 | 12.7 | 112   | 0.00     |
| 68   | Hexachlorobenzene          | 0.262 | 0.229 | 12.6 | 113   | 0.00     |
| 69   | Atrazine                   | 0.226 | 0.202 | 10.6 | 115   | 0.00     |
| 70 C | Pentachlorophenol          | 0.140 | 0.119 | 15.0 | 108   | 0.00     |
| 71   | Phenanthrene               | 1.052 | 0.907 | 13.8 | 112   | 0.00     |
| 72   | Anthracene                 | 1.033 | 0.905 | 12.4 | 114   | 0.00     |
| 73   | Carbazole                  | 0.979 | 0.841 | 14.1 | 110   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.141 | 0.989 | 13.3 | 112   | 0.00     |
| 75 C | Fluoranthene               | 1.295 | 1.102 | 14.9 | 110   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 115   | 0.00     |
| 77   | Benzydine                  | 0.512 | 0.535 | -4.5 | 103   | 0.00     |
| 78   | Pyrene                     | 1.363 | 1.316 | 3.4  | 108   | 0.00     |
| 79 S | Terphenyl-d14              | 1.101 | 1.045 | 5.1  | 106   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.519 | 0.487 | 6.2  | 104   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.302 | 1.181 | 9.3  | 101   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.380 | 0.340 | 10.5 | 97    | 0.00     |
| 83   | Chrysene                   | 1.245 | 1.129 | 9.3  | 104   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.735 | 0.660 | 10.2 | 100   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.242 | 1.129 | 9.1  | 101   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 112   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.442 | 1.271 | 11.9 | 97    | 0.02     |
| 88   | Benzo(b)fluoranthene       | 1.312 | 1.149 | 12.4 | 98    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.224 | 1.090 | 10.9 | 97    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.187 | 1.049 | 11.6 | 98    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.215 | 1.098 | 9.6  | 98    | 0.02     |
| 92   | Benzo(g,h,i)perylene       | 1.191 | 1.072 | 10.0 | 100   | 0.02     |

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(#) = Out of Range

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