

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081624\  
 Data File : BF139049.D  
 Acq On : 16 Aug 2024 10:14  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 16 11:05:05 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 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   | 87    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.567 | 0.516 | 9.0   | 78    | 0.00     |
| 3    | Pyridine                    | 1.374 | 1.279 | 6.9   | 80    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.818 | 0.911 | -11.4 | 97    | 0.03     |
| 5 S  | 2-Fluorophenol              | 1.296 | 1.277 | 1.5   | 87    | 0.00     |
| 6    | Aniline                     | 1.551 | 1.506 | 2.9   | 85    | 0.00     |
| 7 S  | Phenol-d6                   | 1.740 | 1.702 | 2.2   | 88    | 0.00     |
| 8    | 2-Chlorophenol              | 1.363 | 1.324 | 2.9   | 87    | 0.00     |
| 9    | Benzaldehyde                | 1.043 | 0.942 | 9.7   | 90    | 0.00     |
| 10 C | Phenol                      | 1.832 | 1.741 | 5.0   | 85    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.409 | 1.304 | 7.5   | 83    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.526 | 1.497 | 1.9   | 88    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.540 | 1.512 | 1.8   | 88    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.439 | 1.451 | -0.8  | 89    | 0.00     |
| 15   | Benzyl Alcohol              | 1.254 | 1.328 | -5.9  | 95    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.426 | 2.251 | 7.2   | 83    | -0.01    |
| 17   | 2-Methylphenol              | 1.126 | 1.099 | 2.4   | 86    | 0.00     |
| 18   | Hexachloroethane            | 0.580 | 0.588 | -1.4  | 90    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.051 | 1.081 | -2.9  | 95    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.444 | 1.478 | -2.4  | 94    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 89    | 0.00     |
| 22   | Acetophenone                | 0.490 | 0.517 | -5.5  | 95    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.409 | 0.434 | -6.1  | 95    | 0.00     |
| 24   | Nitrobenzene                | 0.416 | 0.429 | -3.1  | 91    | 0.00     |
| 25   | Isophorone                  | 0.699 | 0.710 | -1.6  | 93    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.185 | -3.4  | 90    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.214 | 0.215 | -0.5  | 89    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.425 | 0.420 | 1.2   | 89    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.275 | 0.284 | -3.3  | 91    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.318 | 0.322 | -1.3  | 90    | 0.00     |
| 31   | Naphthalene                 | 1.053 | 1.057 | -0.4  | 90    | 0.00     |
| 32   | Benzoic acid                | 0.168 | 0.145 | 13.7  | 78    | 0.04     |
| 33   | 4-Chloroaniline             | 0.353 | 0.343 | 2.8   | 88    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.192 | 0.212 | -10.4 | 99    | -0.01    |
| 35   | Caprolactam                 | 0.082 | 0.087 | -6.1  | 99    | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 0.315 | 0.328 | -4.1  | 95    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.665 | 0.682 | -2.6  | 93    | -0.01    |
| 38   | 1-Methylnaphthalene         | 0.652 | 0.666 | -2.1  | 93    | -0.01    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.556 | 0.570 | -2.5  | 97    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.120 | 0.119 | 0.8   | 88    | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 0.164 | 0.161 | 1.8   | 94    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.339 | 0.332 | 2.1   | 92    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.370 | 0.359 | 3.0   | 91    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.331 | 1.401 | -5.3  | 100   | -0.01    |
| 46   | 1,1'-Biphenyl               | 1.566 | 1.605 | -2.5  | 97    | -0.01    |
| 47   | 2-Chloronaphthalene         | 1.165 | 1.164 | 0.1   | 94    | 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             | 0.395 | 0.413 | -4.6  | 99    | 0.00     |
| 49   | Acenaphthylene             | 1.652 | 1.655 | -0.2  | 94    | -0.01    |
| 50   | Dimethylphthalate          | 1.279 | 1.346 | -5.2  | 102   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.289 | 0.304 | -5.2  | 99    | 0.00     |
| 52 C | Acenaphthene               | 1.111 | 1.099 | 1.1   | 95    | 0.00     |
| 53   | 3-Nitroaniline             | 0.298 | 0.293 | 1.7   | 95    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.133 | 0.136 | -2.3  | 100   | 0.00     |
| 55   | Dibenzofuran               | 1.568 | 1.579 | -0.7  | 97    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.179 | 0.167 | 6.7   | 89    | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 0.368 | 0.394 | -7.1  | 101   | 0.00     |
| 58   | Fluorene                   | 1.249 | 1.289 | -3.2  | 100   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.283 | 0.265 | 6.4   | 90    | 0.00     |
| 60   | Diethylphthalate           | 1.213 | 1.319 | -8.7  | 106   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.614 | 0.642 | -4.6  | 102   | -0.01    |
| 62   | 4-Nitroaniline             | 0.284 | 0.281 | 1.1   | 96    | 0.00     |
| 63   | Azobenzene                 | 1.345 | 1.398 | -3.9  | 100   | -0.01    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 100   | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.122 | 0.126 | -3.3  | 101   | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 0.625 | 0.642 | -2.7  | 102   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.217 | 0.221 | -1.8  | 102   | -0.01    |
| 68   | Hexachlorobenzene          | 0.224 | 0.226 | -0.9  | 103   | 0.00     |
| 69   | Atrazine                   | 0.161 | 0.141 | 12.4  | 87    | 0.00     |
| 70 C | Pentachlorophenol          | 0.101 | 0.087 | 13.9  | 85    | 0.00     |
| 71   | Phenanthrene               | 1.030 | 1.029 | 0.1   | 101   | 0.00     |
| 72   | Anthracene                 | 1.015 | 1.019 | -0.4  | 102   | 0.00     |
| 73   | Carbazole                  | 0.875 | 0.870 | 0.6   | 100   | 0.00     |
| 74   | Di-n-butylphthalate        | 0.984 | 1.112 | -13.0 | 112   | -0.01    |
| 75 C | Fluoranthene               | 0.961 | 0.917 | 4.6   | 95    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 83    | 0.00     |
| 77   | Benzidine                  | 0.478 | 0.474 | 0.8   | 74    | 0.00     |
| 78   | Pyrene                     | 1.883 | 1.962 | -4.2  | 94    | 0.00     |
| 79 S | Terphenyl-d14              | 1.195 | 1.271 | -6.4  | 96    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.603 | 0.660 | -9.5  | 88    | -0.01    |
| 81   | Benzo(a)anthracene         | 1.377 | 1.345 | 2.3   | 80    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.352 | 0.371 | -5.4  | 86    | 0.00     |
| 83   | Chrysene                   | 1.243 | 1.262 | -1.5  | 86    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.883 | 0.850 | 3.7   | 75    | -0.02    |
| 85 c | Di-n-octyl phthalate       | 1.634 | 1.491 | 8.8   | 71    | -0.02    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 75    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.433 | 1.325 | 7.5   | 72    | 0.01     |
| 88   | Benzo(b)fluoranthene       | 1.240 | 1.264 | -1.9  | 78    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.073 | 1.048 | 2.3   | 79    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.043 | 1.051 | -0.8  | 78    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.177 | 1.089 | 7.5   | 73    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.221 | 1.091 | 10.6  | 69    | 0.02     |

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

(#) = Out of Range

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