

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052423\  
 Data File : BP015281.D  
 Acq On : 24 May 2023 20:01  
 Operator : CG/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 ICVBP052423

Quant Time: May 25 01:44:14 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP052423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 25 01:41:43 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   | 132   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.535 | 0.518 | 3.2   | 121   | 0.00     |
| 3    | Pyridine                    | 1.366 | 1.397 | -2.3  | 128   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.638 | 0.640 | -0.3  | 129   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.207 | 1.190 | 1.4   | 125   | 0.00     |
| 6    | Aniline                     | 1.999 | 2.076 | -3.9  | 135   | 0.00     |
| 7 S  | Phenol-d6                   | 1.582 | 1.610 | -1.8  | 132   | 0.00     |
| 8    | 2-Chlorophenol              | 1.261 | 1.277 | -1.3  | 132   | 0.00     |
| 9    | Benzaldehyde                | 0.836 | 0.788 | 5.7   | 135   | 0.00     |
| 10 C | Phenol                      | 1.584 | 1.617 | -2.1  | 134   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.328 | 1.330 | -0.2  | 132   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.403 | 1.405 | -0.1  | 132   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.413 | 1.417 | -0.3  | 133   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.348 | 1.339 | 0.7   | 132   | 0.00     |
| 15   | Benzyl Alcohol              | 1.104 | 1.189 | -7.7  | 137   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.712 | 1.709 | 0.2   | 131   | 0.00     |
| 17   | 2-Methylphenol              | 1.127 | 1.171 | -3.9  | 134   | 0.00     |
| 18   | Hexachloroethane            | 0.532 | 0.535 | -0.6  | 133   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.012 | 1.038 | -2.6  | 132   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.523 | 1.581 | -3.8  | 132   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 134   | 0.00     |
| 22   | Acetophenone                | 0.519 | 0.530 | -2.1  | 134   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.410 | 0.422 | -2.9  | 134   | 0.00     |
| 24   | Nitrobenzene                | 0.408 | 0.418 | -2.5  | 134   | 0.00     |
| 25   | Isophorone                  | 0.735 | 0.755 | -2.7  | 131   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.194 | -8.4  | 138   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.300 | 0.309 | -3.0  | 131   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.453 | 0.465 | -2.6  | 132   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.311 | 0.324 | -4.2  | 134   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.347 | 0.351 | -1.2  | 134   | 0.00     |
| 31   | Naphthalene                 | 1.053 | 1.056 | -0.3  | 134   | 0.00     |
| 32   | Benzoic acid                | 0.211 | 0.240 | -13.7 | 137   | 0.01     |
| 33   | 4-Chloroaniline             | 0.435 | 0.453 | -4.1  | 130   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.220 | 0.224 | -1.8  | 136   | 0.00     |
| 35   | Caprolactam                 | 0.096 | 0.093 | 3.1   | 116   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.338 | 0.347 | -2.7  | 128   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.749 | 0.747 | 0.3   | 130   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.698 | 0.694 | 0.6   | 129   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 125   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.656 | 0.692 | -5.5  | 132   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.348 | 0.400 | -14.9 | 134   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.272 | 0.274 | -0.7  | 118   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.426 | 0.463 | -8.7  | 129   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.501 | 0.536 | -7.0  | 127   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.490 | 1.523 | -2.2  | 127   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.585 | 1.652 | -4.2  | 129   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.195 | 1.232 | -3.1  | 128   | 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             | 0.365 | 0.390 | -6.8  | 121   | 0.00     |
| 49   | Acenaphthylene             | 1.913 | 1.970 | -3.0  | 123   | 0.00     |
| 50   | Dimethylphthalate          | 1.565 | 1.537 | 1.8   | 118   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.330 | 0.342 | -3.6  | 120   | 0.00     |
| 52 C | Acenaphthene               | 1.139 | 1.154 | -1.3  | 123   | 0.00     |
| 53   | 3-Nitroaniline             | 0.338 | 0.351 | -3.8  | 115   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.193 | 0.196 | -1.6  | 116   | 0.00     |
| 55   | Dibenzofuran               | 1.864 | 1.863 | 0.1   | 121   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.269 | 0.269 | 0.0   | 111   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.434 | 0.445 | -2.5  | 114   | 0.00     |
| 58   | Fluorene                   | 1.439 | 1.409 | 2.1   | 118   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.400 | 0.402 | -0.5  | 116   | 0.00     |
| 60   | Diethylphthalate           | 1.559 | 1.519 | 2.6   | 115   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.737 | 0.730 | 0.9   | 121   | 0.00     |
| 62   | 4-Nitroaniline             | 0.331 | 0.334 | -0.9  | 109   | 0.00     |
| 63   | Azobenzene                 | 1.487 | 1.461 | 1.7   | 117   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 111   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.121 | 0.135 | -11.6 | 111   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.596 | 0.619 | -3.9  | 113   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.216 | 0.231 | -6.9  | 117   | 0.00     |
| 68   | Hexachlorobenzene          | 0.238 | 0.251 | -5.5  | 116   | 0.00     |
| 69   | Atrazine                   | 0.190 | 0.197 | -3.7  | 107   | 0.00     |
| 70 C | Pentachlorophenol          | 0.163 | 0.181 | -11.0 | 114   | 0.00     |
| 71   | Phenanthrene               | 1.066 | 1.071 | -0.5  | 110   | 0.00     |
| 72   | Anthracene                 | 1.068 | 1.090 | -2.1  | 110   | 0.00     |
| 73   | Carbazole                  | 0.945 | 0.951 | -0.6  | 105   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.214 | 1.242 | -2.3  | 107   | 0.00     |
| 75 C | Fluoranthene               | 1.245 | 1.215 | 2.4   | 104   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 77   | Benzydine                  | 0.317 | 0.367 | -15.8 | 97    | 0.00     |
| 78   | Pyrene                     | 1.431 | 1.485 | -3.8  | 103   | 0.00     |
| 79 S | Terphenyl-d14              | 1.063 | 1.087 | -2.3  | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.606 | 0.647 | -6.8  | 101   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.390 | 1.432 | -3.0  | 100   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.429 | 0.463 | -7.9  | 101   | 0.00     |
| 83   | Chrysene                   | 1.333 | 1.359 | -2.0  | 100   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.893 | 0.965 | -8.1  | 101   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.511 | 1.666 | -10.3 | 102   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.450 | 1.507 | -3.9  | 102   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.216 | 1.190 | 2.1   | 100   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.224 | 1.209 | 1.2   | 101   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.174 | 1.185 | -0.9  | 102   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.190 | 1.241 | -4.3  | 102   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.210 | 1.268 | -4.8  | 102   | 0.00     |

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

(#) = Out of Range

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