

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121120\  
 Data File : BP004228.D  
 Acq On : 11 Dec 2020 14:48  
 Operator : CG/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 ICVBP121120

Quant Time: Dec 15 10:35:15 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270E-BP121120.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 15 10:27:21 2020  
 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                 | 0.579 | 0.576 | 0.5   | 109   | 0.00     |
| 3    | Pyridine                    | 1.569 | 1.648 | -5.0  | 112   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.507 | 0.536 | -5.7  | 111   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.221 | 1.311 | -7.4  | 114   | 0.00     |
| 6    | Aniline                     | 1.981 | 2.153 | -8.7  | 114   | 0.01     |
| 7 S  | Phenol-d6                   | 1.718 | 1.871 | -8.9  | 114   | 0.01     |
| 8    | 2-Chlorophenol              | 1.303 | 1.397 | -7.2  | 114   | 0.01     |
| 9    | Benzaldehyde                | 1.071 | 0.998 | 6.8   | 112   | 0.01     |
| 10 C | Phenol                      | 1.698 | 1.827 | -7.6  | 113   | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 1.412 | 1.468 | -4.0  | 111   | 0.01     |
| 12   | 1,3-Dichlorobenzene         | 1.679 | 1.721 | -2.5  | 112   | 0.01     |
| 13 C | 1,4-Dichlorobenzene         | 1.690 | 1.744 | -3.2  | 113   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.601 | 1.637 | -2.2  | 111   | 0.01     |
| 15   | Benzyl Alcohol              | 1.068 | 1.223 | -14.5 | 117   | 0.01     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.801 | 1.841 | -2.2  | 110   | 0.01     |
| 17   | 2-Methylphenol              | 1.083 | 1.189 | -9.8  | 114   | 0.01     |
| 18   | Hexachloroethane            | 0.612 | 0.630 | -2.9  | 112   | 0.01     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.016 | 1.097 | -8.0  | 113   | 0.01     |
| 20   | 3+4-Methylphenols           | 1.439 | 1.611 | -12.0 | 114   | 0.01     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 113   | 0.00     |
| 22   | Acetophenone                | 0.540 | 0.558 | -3.3  | 112   | 0.01     |
| 23 S | Nitrobenzene-d5             | 0.421 | 0.439 | -4.3  | 113   | 0.01     |
| 24   | Nitrobenzene                | 0.414 | 0.433 | -4.6  | 113   | 0.01     |
| 25   | Isophorone                  | 0.692 | 0.751 | -8.5  | 114   | 0.01     |
| 26 C | 2-Nitrophenol               | 0.150 | 0.179 | -19.3 | 121   | 0.01     |
| 27   | 2,4-Dimethylphenol          | 0.261 | 0.285 | -9.2  | 114   | 0.01     |
| 28   | bis(2-Chloroethoxy)methane  | 0.492 | 0.515 | -4.7  | 113   | 0.01     |
| 29 C | 2,4-Dichlorophenol          | 0.307 | 0.347 | -13.0 | 116   | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 0.410 | 0.424 | -3.4  | 113   | 0.01     |
| 31   | Naphthalene                 | 1.137 | 1.164 | -2.4  | 112   | 0.01     |
| 32   | Benzoic acid                | 0.152 | 0.178 | -17.1 | 123   | 0.02     |
| 33   | 4-Chloroaniline             | 0.459 | 0.494 | -7.6  | 113   | 0.01     |
| 34 C | Hexachlorobutadiene         | 0.257 | 0.265 | -3.1  | 113   | 0.01     |
| 35   | Caprolactam                 | 0.101 | 0.113 | -11.9 | 119   | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 0.308 | 0.348 | -13.0 | 116   | 0.01     |
| 37   | 2-Methylnaphthalene         | 0.794 | 0.821 | -3.4  | 112   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.754 | 0.778 | -3.2  | 112   | 0.01     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 113   | 0.01     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.723 | 0.750 | -3.7  | 113   | 0.01     |
| 41 P | Hexachlorocyclopentadiene   | 0.363 | 0.394 | -8.5  | 115   | 0.01     |
| 42 S | 2,4,6-Tribromophenol        | 0.267 | 0.290 | -8.6  | 117   | 0.01     |
| 43 C | 2,4,6-Trichlorophenol       | 0.402 | 0.469 | -16.7 | 118   | 0.01     |
| 44   | 2,4,5-Trichlorophenol       | 0.435 | 0.492 | -13.1 | 116   | 0.01     |
| 45 S | 2-Fluorobiphenyl            | 1.578 | 1.607 | -1.8  | 112   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.690 | 1.729 | -2.3  | 113   | 0.01     |
| 47   | 2-Chloronaphthalene         | 1.387 | 1.426 | -2.8  | 113   | 0.01     |

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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             | 0.356 | 0.408 | -14.6  | 116   | 0.01     |
| 49   | Acenaphthylene             | 2.040 | 2.138 | -4.8   | 113   | 0.01     |
| 50   | Dimethylphthalate          | 1.646 | 1.734 | -5.3   | 114   | 0.01     |
| 51   | 2,6-Dinitrotoluene         | 0.346 | 0.377 | -9.0   | 114   | 0.01     |
| 52 C | Acenaphthene               | 1.273 | 1.318 | -3.5   | 113   | 0.01     |
| 53   | 3-Nitroaniline             | 0.379 | 0.426 | -12.4  | 115   | 0.01     |
| 54 P | 2,4-Dinitrophenol          | 0.140 | 0.160 | -14.3  | 124   | 0.01     |
| 55   | Dibenzofuran               | 2.014 | 2.054 | -2.0   | 112   | 0.01     |
| 56 P | 4-Nitrophenol              | 0.284 | 0.315 | -10.9  | 118   | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 0.455 | 0.517 | -13.6  | 115   | 0.01     |
| 58   | Fluorene                   | 1.581 | 1.627 | -2.9   | 112   | 0.01     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.400 | 0.455 | -13.7  | 117   | 0.01     |
| 60   | Diethylphthalate           | 1.579 | 1.688 | -6.9   | 114   | 0.01     |
| 61   | 4-Chlorophenyl-phenylether | 0.860 | 0.888 | -3.3   | 113   | 0.00     |
| 62   | 4-Nitroaniline             | 0.395 | 0.445 | -12.7  | 114   | 0.00     |
| 63   | Azobenzene                 | 1.503 | 1.581 | -5.2   | 112   | 0.01     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 113   | 0.01     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.091 | 0.105 | -15.4  | 124   | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 0.630 | 0.668 | -6.0   | 114   | 0.01     |
| 67   | 4-Bromophenyl-phenylether  | 0.249 | 0.263 | -5.6   | 114   | 0.01     |
| 68   | Hexachlorobenzene          | 0.297 | 0.308 | -3.7   | 114   | 0.01     |
| 69   | Atrazine                   | 0.204 | 0.225 | -10.3  | 113   | 0.01     |
| 70 C | Pentachlorophenol          | 0.141 | 0.160 | -13.5  | 121   | 0.00     |
| 71   | Phenanthrene               | 1.203 | 1.233 | -2.5   | 113   | 0.01     |
| 72   | Anthracene                 | 1.136 | 1.189 | -4.7   | 112   | 0.01     |
| 73   | Carbazole                  | 1.052 | 1.116 | -6.1   | 112   | 0.01     |
| 74   | Di-n-butylphthalate        | 1.141 | 1.302 | -14.1  | 115   | 0.01     |
| 75 C | Fluoranthene               | 1.381 | 1.449 | -4.9   | 112   | 0.01     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 111   | 0.01     |
| 77   | Benzidine                  | 0.346 | 0.490 | -41.6# | 115   | 0.00     |
| 78   | Pyrene                     | 1.363 | 1.451 | -6.5   | 111   | 0.01     |
| 79 S | Terphenyl-d14              | 1.044 | 1.074 | -2.9   | 110   | 0.01     |
| 80   | Butylbenzylphthalate       | 0.437 | 0.549 | -25.6# | 120   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.373 | 1.436 | -4.6   | 111   | 0.02     |
| 82   | 3,3'-Dichlorobenzidine     | 0.389 | 0.475 | -22.1  | 114   | 0.01     |
| 83   | Chrysene                   | 1.323 | 1.372 | -3.7   | 111   | 0.01     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.672 | 0.820 | -22.0  | 115   | 0.01     |
| 85 c | Di-n-octyl phthalate       | 1.044 | 1.328 | -27.2# | 118   | 0.01     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 113   | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.529 | 1.638 | -7.1   | 114   | 0.02     |
| 88   | Benzo(b)fluoranthene       | 1.318 | 1.361 | -3.3   | 109   | 0.01     |
| 89   | Benzo(k)fluoranthene       | 1.309 | 1.374 | -5.0   | 116   | 0.01     |
| 90 C | Benzo(a)pyrene             | 1.201 | 1.290 | -7.4   | 113   | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 1.257 | 1.335 | -6.2   | 113   | 0.03     |
| 92   | Benzo(g,h,i)perylene       | 1.227 | 1.300 | -5.9   | 113   | 0.03     |

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

(#) = Out of Range                      SPCC's out = 0    CCC's out = 1