

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP032523\  
 Data File : BP014295.D  
 Acq On : 24 Mar 2023 18:57  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 25 03:20:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 25 03:19:01 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    | 120   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.536 | 0.527 | 1.7    | 110   | 0.00     |
| 3    | Pyridine                    | 1.488 | 1.481 | 0.5    | 109   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.660 | 0.669 | -1.4   | 110   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.233 | 1.238 | -0.4   | 112   | 0.00     |
| 6    | Aniline                     | 2.127 | 2.204 | -3.6   | 116   | 0.00     |
| 7 S  | Phenol-d6                   | 1.619 | 1.692 | -4.5   | 117   | 0.00     |
| 8    | 2-Chlorophenol              | 1.321 | 1.337 | -1.2   | 115   | 0.00     |
| 9    | Benzaldehyde                | 0.810 | 0.800 | 1.2    | 113   | 0.00     |
| 10 C | Phenol                      | 1.685 | 1.771 | -5.1   | 117   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.334 | 1.433 | -7.4   | 123   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.451 | 1.450 | 0.1    | 115   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.468 | 1.467 | 0.1    | 114   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.406 | 1.411 | -0.4   | 116   | 0.00     |
| 15   | Benzyl Alcohol              | 1.320 | 1.401 | -6.1   | 118   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.453 | 1.832 | -26.1# | 149   | 0.00     |
| 17   | 2-Methylphenol              | 1.202 | 1.258 | -4.7   | 119   | 0.00     |
| 18   | Hexachloroethane            | 0.552 | 0.566 | -2.5   | 115   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.066 | 1.203 | -12.9  | 130   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.619 | 1.710 | -5.6   | 122   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 127   | 0.00     |
| 22   | Acetophenone                | 0.561 | 0.578 | -3.0   | 122   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.438 | 0.466 | -6.4   | 121   | 0.00     |
| 24   | Nitrobenzene                | 0.448 | 0.479 | -6.9   | 126   | 0.00     |
| 25   | Isophorone                  | 0.806 | 0.828 | -2.7   | 121   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.195 | 0.198 | -1.5   | 117   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.317 | 0.325 | -2.5   | 121   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.467 | 0.495 | -6.0   | 129   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.347 | 0.341 | 1.7    | 118   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.394 | 0.377 | 4.3    | 115   | 0.00     |
| 31   | Naphthalene                 | 1.099 | 1.111 | -1.1   | 122   | 0.00     |
| 32   | Benzoic acid                | 0.245 | 0.211 | 13.9   | 101   | 0.00     |
| 33   | 4-Chloroaniline             | 0.471 | 0.464 | 1.5    | 117   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.286 | 0.261 | 8.7    | 107   | 0.00     |
| 35   | Caprolactam                 | 0.099 | 0.093 | 6.1    | 116   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.387 | 0.389 | -0.5   | 122   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.811 | 0.790 | 2.6    | 120   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.756 | 0.735 | 2.8    | 120   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 122   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.762 | 0.743 | 2.5    | 111   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.478 | 0.405 | 15.3   | 93    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.324 | 0.280 | 13.6   | 99    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.482 | 0.470 | 2.5    | 111   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.558 | 0.544 | 2.5    | 112   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.544 | 1.562 | -1.2   | 118   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.610 | 1.655 | -2.8   | 116   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.239 | 1.263 | -1.9   | 117   | 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             | 0.376 | 0.433 | -15.2 | 127   | 0.00     |
| 49   | Acenaphthylene             | 1.971 | 1.996 | -1.3  | 117   | 0.00     |
| 50   | Dimethylphthalate          | 1.650 | 1.565 | 5.2   | 114   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.347 | 0.343 | 1.2   | 115   | 0.00     |
| 52 C | Acenaphthene               | 1.186 | 1.186 | 0.0   | 115   | 0.00     |
| 53   | 3-Nitroaniline             | 0.341 | 0.333 | 2.3   | 112   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.235 | 0.200 | 14.9  | 100   | 0.00     |
| 55   | Dibenzofuran               | 1.934 | 1.929 | 0.3   | 114   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.277 | 0.242 | 12.6  | 103   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.464 | 0.445 | 4.1   | 109   | 0.00     |
| 58   | Fluorene                   | 1.536 | 1.488 | 3.1   | 113   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.487 | 0.435 | 10.7  | 104   | 0.00     |
| 60   | Diethylphthalate           | 1.629 | 1.522 | 6.6   | 112   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.871 | 0.804 | 7.7   | 107   | 0.00     |
| 62   | 4-Nitroaniline             | 0.339 | 0.324 | 4.4   | 110   | 0.00     |
| 63   | Azobenzene                 | 1.507 | 1.641 | -8.9  | 125   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 111   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.148 | 0.144 | 2.7   | 101   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.632 | 0.687 | -8.7  | 111   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.265 | 0.262 | 1.1   | 102   | 0.00     |
| 68   | Hexachlorobenzene          | 0.284 | 0.276 | 2.8   | 99    | 0.00     |
| 69   | Atrazine                   | 0.222 | 0.216 | 2.7   | 107   | 0.00     |
| 70 C | Pentachlorophenol          | 0.205 | 0.191 | 6.8   | 94    | 0.00     |
| 71   | Phenanthrene               | 1.117 | 1.121 | -0.4  | 105   | 0.00     |
| 72   | Anthracene                 | 1.142 | 1.141 | 0.1   | 104   | 0.00     |
| 73   | Carbazole                  | 0.985 | 0.958 | 2.7   | 103   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.231 | 1.182 | 4.0   | 103   | 0.00     |
| 75 C | Fluoranthene               | 1.335 | 1.192 | 10.7  | 96    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 77   | Benzydine                  | 0.378 | 0.412 | -9.0  | 82    | 0.00     |
| 78   | Pyrene                     | 1.535 | 1.588 | -3.5  | 95    | 0.00     |
| 79 S | Terphenyl-d14              | 1.213 | 1.215 | -0.2  | 92    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.582 | 0.620 | -6.5  | 93    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.467 | 1.455 | 0.8   | 85    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.470 | 0.475 | -1.1  | 83    | 0.00     |
| 83   | Chrysene                   | 1.390 | 1.406 | -1.2  | 87    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.854 | 0.898 | -5.2  | 89    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.386 | 1.503 | -8.4  | 86    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.545 | 1.682 | -8.9  | 82    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.310 | 1.259 | 3.9   | 80    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.298 | 1.297 | 0.1   | 84    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.249 | 1.250 | -0.1  | 81    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.285 | 1.410 | -9.7  | 84    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.273 | 1.402 | -10.1 | 83    | 0.00     |

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

(#) = Out of Range

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