

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE091924\  
 Data File : BE101377.D  
 Acq On : 19 Sep 2024 14:39  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 19 15:34:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-BE091724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 17 16:03:42 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   | 96    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.436 | 0.443 | -1.6  | 100   | 0.00     |
| 3    | Pyridine                    | 1.255 | 1.305 | -4.0  | 95    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.451 | 0.492 | -9.1  | 104   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.144 | 1.155 | -1.0  | 97    | 0.00     |
| 6    | Aniline                     | 1.360 | 1.493 | -9.8  | 107   | 0.00     |
| 7 S  | Phenol-d6                   | 1.622 | 1.621 | 0.1   | 94    | 0.00     |
| 8    | 2-Chlorophenol              | 1.375 | 1.380 | -0.4  | 96    | 0.00     |
| 9    | Benzaldehyde                | 0.745 | 0.842 | -13.0 | 103   | 0.00     |
| 10 C | Phenol                      | 1.782 | 1.840 | -3.3  | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.508 | 1.403 | 7.0   | 84    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.477 | 1.452 | 1.7   | 96    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.505 | 1.491 | 0.9   | 96    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.491 | 1.477 | 0.9   | 96    | 0.00     |
| 15   | Benzyl Alcohol              | 0.966 | 1.080 | -11.8 | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.901 | 1.881 | 1.1   | 96    | 0.00     |
| 17   | 2-Methylphenol              | 1.181 | 1.204 | -1.9  | 95    | 0.00     |
| 18   | Hexachloroethane            | 0.492 | 0.500 | -1.6  | 97    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.144 | 1.185 | -3.6  | 93    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.662 | 1.687 | -1.5  | 94    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 22   | Acetophenone                | 0.464 | 0.471 | -1.5  | 92    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.315 | 0.331 | -5.1  | 94    | 0.00     |
| 24   | Nitrobenzene                | 0.337 | 0.350 | -3.9  | 94    | 0.00     |
| 25   | Isophorone                  | 0.646 | 0.658 | -1.9  | 91    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.159 | 0.171 | -7.5  | 95    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.204 | 0.210 | -2.9  | 92    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.391 | 0.391 | 0.0   | 91    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.279 | 0.287 | -2.9  | 92    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.302 | 0.301 | 0.3   | 94    | 0.00     |
| 31   | Naphthalene                 | 1.009 | 1.011 | -0.2  | 94    | 0.00     |
| 32   | Benzoic acid                | 0.192 | 0.201 | -4.7  | 92    | 0.00     |
| 33   | 4-Chloroaniline             | 0.386 | 0.396 | -2.6  | 91    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.175 | 0.178 | -1.7  | 95    | 0.00     |
| 35   | Caprolactam                 | 0.113 | 0.121 | -7.1  | 93    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.330 | 0.338 | -2.4  | 91    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.738 | 0.733 | 0.7   | 92    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.740 | 0.729 | 1.5   | 91    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.482 | 0.484 | -0.4  | 92    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.158 | 0.171 | -8.2  | 92    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.336 | 0.354 | -5.4  | 93    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.341 | 0.352 | -3.2  | 91    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.385 | 0.394 | -2.3  | 90    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.157 | 1.161 | -0.3  | 91    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.355 | 1.348 | 0.5   | 91    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.066 | 1.072 | -0.6  | 92    | 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             | 0.287 | 0.325 | -13.2  | 95    | 0.00     |
| 49   | Acenaphthylene             | 1.591 | 1.623 | -2.0   | 92    | 0.00     |
| 50   | Dimethylphthalate          | 1.443 | 1.435 | 0.6    | 91    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.323 | 0.338 | -4.6   | 92    | 0.00     |
| 52 C | Acenaphthene               | 1.049 | 1.043 | 0.6    | 91    | 0.00     |
| 53   | 3-Nitroaniline             | 0.332 | 0.367 | -10.5  | 95    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.192 | 0.207 | -7.8   | 94    | 0.00     |
| 55   | Dibenzofuran               | 1.656 | 1.657 | -0.1   | 92    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.276 | 0.311 | -12.7  | 97    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.440 | 0.480 | -9.1   | 95    | 0.00     |
| 58   | Fluorene                   | 1.396 | 1.418 | -1.6   | 92    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.364 | 0.373 | -2.5   | 92    | 0.00     |
| 60   | Diethylphthalate           | 1.497 | 1.523 | -1.7   | 92    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.685 | 0.689 | -0.6   | 92    | 0.00     |
| 62   | 4-Nitroaniline             | 0.346 | 0.398 | -15.0  | 96    | 0.00     |
| 63   | Azobenzene                 | 1.279 | 1.324 | -3.5   | 93    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 93    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.114 | 0.123 | -7.9   | 97    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.533 | 0.540 | -1.3   | 93    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.208 | 0.206 | 1.0    | 91    | 0.00     |
| 68   | Hexachlorobenzene          | 0.269 | 0.268 | 0.4    | 91    | 0.00     |
| 69   | Atrazine                   | 0.176 | 0.153 | 13.1   | 80    | 0.00     |
| 70 C | Pentachlorophenol          | 0.160 | 0.175 | -9.4   | 94    | 0.00     |
| 71   | Phenanthrene               | 0.950 | 0.968 | -1.9   | 94    | 0.00     |
| 72   | Anthracene                 | 0.924 | 0.947 | -2.5   | 93    | 0.00     |
| 73   | Carbazole                  | 0.947 | 0.992 | -4.8   | 96    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.040 | 1.122 | -7.9   | 96    | 0.00     |
| 75 C | Fluoranthene               | 1.144 | 1.183 | -3.4   | 95    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 97    | 0.00     |
| 77   | Benzidine                  | 0.332 | 0.602 | -81.3# | 150   | 0.00     |
| 78   | Pyrene                     | 1.112 | 1.120 | -0.7   | 97    | 0.00     |
| 79 S | Terphenyl-d14              | 0.902 | 0.771 | 14.5   | 98    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.492 | 0.525 | -6.7   | 99    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.123 | 1.144 | -1.9   | 98    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.440 | 0.492 | -11.8  | 101   | 0.00     |
| 83   | Chrysene                   | 1.079 | 1.082 | -0.3   | 98    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.651 | 0.711 | -9.2   | 100   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.063 | 1.139 | -7.1   | 100   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 99    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.318 | 1.350 | -2.4   | 99    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.036 | 1.011 | 2.4    | 96    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 0.978 | 1.006 | -2.9   | 100   | 0.00     |
| 90 C | Benzo(a)pyrene             | 0.914 | 0.928 | -1.5   | 99    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.103 | 1.124 | -1.9   | 97    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.120 | 1.128 | -0.7   | 98    | 0.01     |

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