

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010224\  
 Data File : BF136876.D  
 Acq On : 02 Jan 2024 17:49  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 03 01:37:11 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 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                    | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0    | 102   | -0.01    |
| 2    | 1,4-Dioxane                 | 40.000 | 40.087 | -0.2   | 105   | -0.01    |
| 3    | Pyridine                    | 40.000 | 38.854 | 2.9    | 98    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 38.421 | 3.9    | 95    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 81.715 | -2.1   | 103   | -0.01    |
| 6    | Aniline                     | 40.000 | 37.452 | 6.4    | 94    | -0.01    |
| 7 S  | Phenol-d6                   | 80.000 | 79.858 | 0.2    | 101   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.147 | -0.4   | 101   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 37.184 | 7.0    | 96    | -0.01    |
| 10 C | Phenol                      | 40.000 | 39.756 | 0.6    | 101   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.214 | 2.0    | 98    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.222 | -0.6   | 101   | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.070 | -0.2   | 101   | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.566 | 1.1    | 100   | -0.01    |
| 15   | Benzyl Alcohol              | 40.000 | 38.765 | 3.1    | 96    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.758 | 5.6    | 94    | -0.01    |
| 17   | 2-Methylphenol              | 40.000 | 38.564 | 3.6    | 98    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.511 | 1.2    | 100   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 38.106 | 4.7    | 97    | -0.01    |
| 20   | 3+4-Methylphenols           | 40.000 | 38.663 | 3.3    | 98    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 98    | -0.01    |
| 22   | Acetophenone                | 40.000 | 40.517 | -1.3   | 98    | -0.01    |
| 23 S | Nitrobenzene-d5             | 80.000 | 80.493 | -0.6   | 96    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.346 | -0.9   | 95    | 0.00     |
| 25   | Isophorone                  | 40.000 | 39.464 | 1.3    | 95    | -0.01    |
| 26 C | 2-Nitrophenol               | 40.000 | 42.589 | -6.5   | 99    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.149 | -2.9   | 98    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.379 | 1.6    | 93    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.951 | -2.4   | 97    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 41.754 | -4.4   | 100   | -0.01    |
| 31   | Naphthalene                 | 40.000 | 41.041 | -2.6   | 99    | -0.01    |
| 32   | Benzoic acid                | 40.000 | 37.426 | 6.4    | 83    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 38.949 | 2.6    | 93    | -0.01    |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.084 | -2.7   | 99    | -0.02    |
| 35   | Caprolactam                 | 40.000 | 45.018 | -12.5  | 106   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.263 | 1.8    | 94    | -0.01    |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.371 | -0.9   | 98    | -0.01    |
| 38   | 1-Methylnaphthalene         | 40.000 | 40.397 | -1.0   | 98    | -0.02    |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 94    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 41.834 | -4.6   | 96    | -0.01    |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 53.363 | -33.4# | 131   | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 78.839 | 1.5    | 91    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.160 | -0.4   | 92    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 39.915 | 0.2    | 91    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 80.704 | -0.9   | 96    | -0.01    |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.670 | -1.7   | 95    | -0.01    |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.745 | -1.9   | 95    | -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                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 39.714 | 0.7   | 91    | -0.01    |
| 49   | Acenaphthylene             | 40.000 | 40.562 | -1.4  | 94    | -0.01    |
| 50   | Dimethylphthalate          | 40.000 | 39.223 | 1.9   | 92    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.820 | -2.1  | 94    | -0.01    |
| 52 C | Acenaphthene               | 40.000 | 40.018 | -0.0  | 93    | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 37.755 | 5.6   | 86    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 36.756 | 8.1   | 81    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.306 | 1.7   | 92    | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 43.126 | -7.8  | 95    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.298 | 1.8   | 89    | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.582 | 1.0   | 93    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.564 | 6.1   | 85    | -0.01    |
| 60   | Diethylphthalate           | 40.000 | 39.189 | 2.0   | 91    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.036 | -0.1  | 94    | -0.01    |
| 62   | 4-Nitroaniline             | 40.000 | 37.035 | 7.4   | 88    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.992 | 2.5   | 91    | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 92    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.159 | 2.1   | 80    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.229 | -3.1  | 92    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.848 | -4.6  | 94    | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 40.309 | -0.8  | 90    | -0.01    |
| 69   | Atrazine                   | 40.000 | 42.987 | -7.5  | 115   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 33.082 | 17.3  | 68    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.707 | -1.8  | 91    | -0.01    |
| 72   | Anthracene                 | 40.000 | 40.601 | -1.5  | 92    | -0.01    |
| 73   | Carbazole                  | 40.000 | 40.782 | -2.0  | 92    | -0.01    |
| 74   | Di-n-butylphthalate        | 40.000 | 40.836 | -2.1  | 92    | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 40.142 | -0.4  | 91    | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 91    | 0.00     |
| 77   | Benzydine                  | 40.000 | 35.269 | 11.8  | 84    | 0.00     |
| 78   | Pyrene                     | 40.000 | 42.148 | -5.4  | 92    | -0.01    |
| 79 S | Terphenyl-d14              | 80.000 | 82.563 | -3.2  | 90    | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 43.103 | -7.8  | 92    | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 41.200 | -3.0  | 91    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.282 | -0.7  | 91    | -0.01    |
| 83   | Chrysene                   | 40.000 | 40.895 | -2.2  | 92    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 44.199 | -10.5 | 95    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 42.300 | -5.7  | 92    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 101   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.803 | -7.0  | 103   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 37.879 | 5.3   | 96    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.216 | 2.0   | 96    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.252 | -0.6  | 99    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 42.755 | -6.9  | 101   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 42.309 | -5.8  | 101   | 0.00     |

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| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range

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