

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070324\  
 Data File : BF138438.D  
 Acq On : 03 Jul 2024 10:59  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 03 11:43:01 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 29 02:44:30 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                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0  | 110   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 42.541 | -6.4 | 117   | 0.00     |
| 3    | Pyridine                    | 40.000 | 42.803 | -7.0 | 115   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 42.600 | -6.5 | 115   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 81.163 | -1.5 | 113   | 0.00     |
| 6    | Aniline                     | 40.000 | 40.415 | -1.0 | 113   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 81.729 | -2.2 | 115   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.765 | -1.9 | 114   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 40.862 | -2.2 | 118   | 0.00     |
| 10 C | Phenol                      | 40.000 | 41.283 | -3.2 | 116   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 40.820 | -2.1 | 113   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.178 | 2.1  | 109   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.314 | 1.7  | 111   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.222 | 1.9  | 110   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.489 | -1.2 | 111   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.256 | -3.1 | 115   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 40.937 | -2.3 | 114   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.102 | -0.3 | 109   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 38.800 | 3.0  | 110   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 40.765 | -1.9 | 112   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 110   | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.408 | 4.0  | 110   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 83.081 | -3.9 | 115   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.506 | -1.3 | 112   | 0.00     |
| 25   | Isophorone                  | 40.000 | 39.906 | 0.2  | 112   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 41.092 | -2.7 | 108   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.179 | -0.4 | 111   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.684 | 0.8  | 111   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.597 | 1.0  | 109   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.697 | 3.3  | 108   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.310 | 1.7  | 110   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 39.928 | 0.2  | 113   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.701 | 0.7  | 112   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 37.533 | 6.2  | 105   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 41.852 | -4.6 | 116   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 40.395 | -1.0 | 114   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.498 | 3.8  | 110   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 38.765 | 3.1  | 110   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 112   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 37.314 | 6.7  | 107   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 35.096 | 12.3 | 93    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 79.271 | 0.9  | 111   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 38.503 | 3.7  | 107   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 38.860 | 2.9  | 109   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 73.809 | 7.7  | 108   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 37.625 | 5.9  | 108   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 38.174 | 4.6  | 110   | 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                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 41.717 | -4.3  | 117   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.924 | 2.7   | 113   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.838 | 2.9   | 113   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.235 | -0.6  | 114   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.579 | 3.6   | 110   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.338 | -0.8  | 114   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.684 | 5.8   | 113   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.790 | 3.0   | 112   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 42.614 | -6.5  | 115   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.338 | -3.3  | 112   | 0.00     |
| 58   | Fluorene                   | 40.000 | 36.863 | 7.8   | 113   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.620 | -1.5  | 112   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.216 | 2.0   | 113   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 36.901 | 7.7   | 112   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.420 | -3.6  | 115   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.945 | -2.4  | 117   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 117   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.814 | 3.0   | 117   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.895 | 5.3   | 115   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 37.992 | 5.0   | 114   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 37.615 | 6.0   | 114   | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.251 | 6.9   | 104   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.542 | -3.9  | 114   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.014 | 2.5   | 116   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.846 | 2.9   | 116   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.628 | 0.9   | 116   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.733 | -1.8  | 119   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.848 | 0.4   | 116   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 123   | 0.00     |
| 77   | Benzydine                  | 40.000 | 7.215  | 82.0# | 110   | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.290 | 4.3   | 118   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.031 | 2.5   | 117   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.989 | -2.5  | 120   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.361 | 4.1   | 119   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.729 | 3.2   | 127   | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.805 | 3.0   | 123   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.341 | -0.9  | 121   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.156 | -7.9  | 134   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 124   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.856 | 7.9   | 110   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 37.829 | 5.4   | 123   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 41.534 | -3.8  | 128   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.482 | 1.3   | 125   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 36.460 | 8.8   | 107   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 37.090 | 7.3   | 110   | 0.00     |

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| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
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(#) = Out of Range                      SPCC's out = 0    CCC's out = 0