

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022824\  
 Data File : BP019908.D  
 Acq On : 28 Feb 2024 10:16  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 28 10:51:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP022624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 27 02:05:05 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   | 112   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 38.351 | 4.1   | 108   | 0.00     |
| 3    | Pyridine                    | 40.000 | 40.057 | -0.1  | 105   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 41.295 | -3.2  | 109   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 76.082 | 4.9   | 110   | 0.00     |
| 6    | Aniline                     | 40.000 | 37.019 | 7.5   | 106   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 75.518 | 5.6   | 106   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.084 | 2.3   | 109   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 38.558 | 3.6   | 110   | 0.00     |
| 10 C | Phenol                      | 40.000 | 37.275 | 6.8   | 106   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 36.714 | 8.2   | 105   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.227 | -0.6  | 112   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.214 | -0.5  | 112   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.320 | 1.7   | 112   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 37.206 | 7.0   | 104   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.134 | 14.7  | 101   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 37.504 | 6.2   | 106   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.043 | 2.4   | 108   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 37.207 | 7.0   | 102   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 36.360 | 9.1   | 105   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 119   | 0.00     |
| 22   | Acetophenone                | 40.000 | 32.905 | 17.7  | 106   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 68.752 | 14.1  | 106   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 34.154 | 14.6  | 105   | 0.00     |
| 25   | Isophorone                  | 40.000 | 34.808 | 13.0  | 103   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 37.111 | 7.2   | 108   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 36.156 | 9.6   | 105   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 35.283 | 11.8  | 103   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 37.110 | 7.2   | 107   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.673 | 3.3   | 114   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 37.352 | 6.6   | 110   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 36.016 | 10.0  | 103   | 0.01     |
| 33   | 4-Chloroaniline             | 40.000 | 40.188 | -0.5  | 116   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.248 | -0.6  | 118   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.237 | -0.6  | 116   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.159 | -5.4  | 122   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 42.140 | -5.4  | 123   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 41.636 | -4.1  | 123   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 107   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 46.821 | -17.1 | 125   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 47.775 | -19.4 | 121   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 88.981 | -11.2 | 115   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 46.968 | -17.4 | 125   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 46.260 | -15.6 | 123   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 89.299 | -11.6 | 119   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.570 | -1.4  | 108   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.539 | -1.3  | 108   | 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 | 39.285 | 1.8  | 102   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.143 | -0.4 | 107   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.943 | 0.1  | 106   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.709 | -1.8 | 108   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.476 | -1.2 | 108   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 39.889 | 0.3  | 104   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 40.215 | -0.5 | 105   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 41.494 | -3.7 | 109   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.622 | -1.6 | 101   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.220 | -3.0 | 107   | 0.00     |
| 58   | Fluorene                   | 40.000 | 41.658 | -4.1 | 109   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.141 | -7.9 | 112   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 40.976 | -2.4 | 107   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.766 | -6.9 | 113   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.256 | -3.1 | 103   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.072 | -0.2 | 103   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 108   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.760 | -6.9 | 107   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.764 | -1.9 | 108   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.880 | -4.7 | 112   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.992 | -5.0 | 112   | 0.00     |
| 69   | Atrazine                   | 40.000 | 41.090 | -2.7 | 107   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 43.481 | -8.7 | 111   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.143 | -0.4 | 106   | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.654 | -1.6 | 107   | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.035 | -0.1 | 105   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.685 | -1.7 | 105   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.488 | -1.2 | 105   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 102   | 0.00     |
| 77   | Benzydine                  | 40.000 | 42.341 | -5.9 | 98    | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.855 | 0.4  | 103   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 82.866 | -3.6 | 108   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.830 | 0.4  | 101   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.157 | -0.4 | 102   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.124 | -2.8 | 105   | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.228 | -0.6 | 103   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.493 | -1.2 | 102   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.264 | -0.7 | 100   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 97    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.418 | 6.5  | 88    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 41.756 | -4.4 | 103   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.958 | -2.4 | 96    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.513 | -1.3 | 96    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 37.554 | 6.1  | 89    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 36.381 | 9.0  | 85    | 0.00     |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

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

(#) = Out of Range

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