

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032221\  
 Data File : BG048449.D  
 Acq On : 22 Mar 2021 17:52  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 22 18:32:02 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG031821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 22 11:22:24 2021  
 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  | 92    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 36.879 | 7.8  | 91    | 0.00     |
| 3    | Pyridine                    | 40.000 | 40.793 | -2.0 | 98    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 40.616 | -1.5 | 99    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 81.721 | -2.2 | 101   | 0.00     |
| 6    | Aniline                     | 40.000 | 41.524 | -3.8 | 100   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 83.147 | -3.9 | 100   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 41.744 | -4.4 | 101   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 42.478 | -6.2 | 96    | 0.00     |
| 10 C | Phenol                      | 40.000 | 40.935 | -2.3 | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 42.752 | -6.9 | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 41.721 | -4.3 | 101   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 41.898 | -4.7 | 104   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 41.840 | -4.6 | 101   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 42.086 | -5.2 | 101   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.269 | 1.8  | 95    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 42.706 | -6.8 | 106   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 42.059 | -5.1 | 105   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 40.326 | -0.8 | 96    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.952 | -4.9 | 102   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 104   | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.107 | 4.7  | 102   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 76.928 | 3.8  | 102   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 38.555 | 3.6  | 102   | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.967 | 2.6  | 103   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 41.843 | -4.6 | 111   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.539 | -1.3 | 108   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.271 | 4.3  | 104   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.937 | -2.3 | 106   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.220 | 2.0  | 103   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.716 | 3.2  | 101   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 42.459 | -6.1 | 110   | 0.01     |
| 33   | 4-Chloroaniline             | 40.000 | 38.585 | 3.5  | 102   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 38.989 | 2.5  | 102   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.028 | 2.4  | 105   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.450 | 1.4  | 105   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.231 | 1.9  | 105   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.188 | 2.0  | 104   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 107   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.043 | 2.4  | 104   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 39.663 | 0.8  | 105   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 78.265 | 2.2  | 106   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.683 | -1.7 | 106   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 39.083 | 2.3  | 103   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 77.717 | 2.9  | 104   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 38.439 | 3.9  | 104   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 38.734 | 3.2  | 103   | 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 | 40.066 | -0.2  | 105   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.619 | 3.5   | 104   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.573 | 3.6   | 104   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.827 | 0.4   | 104   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.540 | 1.2   | 105   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 39.356 | 1.6   | 106   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 43.824 | -9.6  | 114   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.580 | 3.6   | 105   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.816 | 0.5   | 109   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.460 | -3.7  | 108   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.461 | 3.8   | 104   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.958 | 0.1   | 106   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.409 | 4.0   | 104   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.908 | 2.7   | 105   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 38.474 | 3.8   | 103   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.378 | 6.6   | 101   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.497 | -11.2 | 110   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.941 | -2.4  | 105   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.265 | -3.2  | 106   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.903 | 0.2   | 104   | 0.00     |
| 69   | Atrazine                   | 40.000 | 39.902 | 0.2   | 103   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.806 | -4.5  | 104   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.610 | 1.0   | 102   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.815 | 0.5   | 102   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.120 | 2.2   | 102   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.512 | 3.7   | 99    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.873 | 2.8   | 101   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 77   | Benzydine                  | 40.000 | 43.963 | -9.9  | 107   | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.372 | -0.9  | 99    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 77.554 | 3.1   | 98    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.222 | -0.6  | 98    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.330 | -0.8  | 100   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.875 | -2.2  | 102   | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.030 | -0.1  | 99    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.106 | -0.3  | 98    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.497 | -1.2  | 99    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.500 | 1.3   | 99    | -0.01    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.688 | 0.8   | 100   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.851 | 0.4   | 100   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.851 | 0.4   | 99    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 39.618 | 1.0   | 99    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.874 | 0.3   | 100   | -0.01    |

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