

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010324\
 Data File : BG060221.D
 Acq On : 3 Jan 2024 10:49
 Operator : MA/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 03 11:24:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 30 03:14:04 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 | 106 | 0.00 |
| 2 | 1,4-Dioxane | 40.000 | 34.354 | 14.1 | 96 | 0.00 |
| 3 | Pyridine | 40.000 | 37.325 | 6.7 | 105 | 0.00 |
| 4 | n-Nitrosodimethylamine | 40.000 | 36.773 | 8.1 | 104 | 0.00 |
| 5 S | 2-Fluorophenol | 80.000 | 74.272 | 7.2 | 103 | 0.00 |
| 6 | Aniline | 40.000 | 39.341 | 1.6 | 102 | 0.00 |
| 7 S | Phenol-d6 | 80.000 | 78.259 | 2.2 | 104 | 0.00 |
| 8 | 2-Chlorophenol | 40.000 | 38.362 | 4.1 | 104 | 0.00 |
| 9 | Benzaldehyde | 40.000 | 34.165 | 14.6 | 96 | 0.00 |
| 10 C | Phenol | 40.000 | 38.420 | 3.9 | 103 | 0.00 |
| 11 | bis(2-Chloroethyl)ether | 40.000 | 38.279 | 4.3 | 105 | 0.00 |
| 12 | 1,3-Dichlorobenzene | 40.000 | 37.446 | 6.4 | 102 | 0.00 |
| 13 C | 1,4-Dichlorobenzene | 40.000 | 37.525 | 6.2 | 103 | 0.00 |
| 14 | 1,2-Dichlorobenzene | 40.000 | 38.340 | 4.1 | 114 | 0.00 |
| 15 | Benzyl Alcohol | 40.000 | 42.509 | -6.3 | 121 | 0.00 |
| 16 | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.066 | 2.3 | 117 | 0.00 |
| 17 | 2-Methylphenol | 40.000 | 40.562 | -1.4 | 116 | 0.00 |
| 18 | Hexachloroethane | 40.000 | 39.773 | 0.6 | 116 | 0.00 |
| 19 P | n-Nitroso-di-n-propylamine | 40.000 | 41.657 | -4.1 | 119 | 0.00 |
| 20 | 3+4-Methylphenols | 40.000 | 39.893 | 0.3 | 114 | 0.00 |
| 21 I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 117 | 0.00 |
| 22 | Acetophenone | 40.000 | 39.329 | 1.7 | 116 | 0.00 |
| 23 S | Nitrobenzene-d5 | 80.000 | 91.902 | -14.9 | 132 | 0.00 |
| 24 | Nitrobenzene | 40.000 | 40.957 | -2.4 | 117 | 0.00 |
| 25 | Isophorone | 40.000 | 40.060 | -0.2 | 116 | 0.00 |
| 26 C | 2-Nitrophenol | 40.000 | 45.888 | -14.7 | 128 | 0.00 |
| 27 | 2,4-Dimethylphenol | 40.000 | 40.813 | -2.0 | 119 | 0.00 |
| 28 | bis(2-Chloroethoxy)methane | 40.000 | 39.991 | 0.0 | 117 | 0.00 |
| 29 C | 2,4-Dichlorophenol | 40.000 | 41.240 | -3.1 | 115 | 0.00 |
| 30 | 1,2,4-Trichlorobenzene | 40.000 | 39.233 | 1.9 | 114 | 0.00 |
| 31 | Naphthalene | 40.000 | 39.653 | 0.9 | 117 | 0.00 |
| 32 | Benzoic acid | 40.000 | 44.166 | -10.4 | 144 | 0.00 |
| 33 | 4-Chloroaniline | 40.000 | 41.551 | -3.9 | 117 | 0.00 |
| 34 C | Hexachlorobutadiene | 40.000 | 38.514 | 3.7 | 114 | 0.00 |
| 35 | Caprolactam | 40.000 | 42.008 | -5.0 | 121 | 0.00 |
| 36 C | 4-Chloro-3-methylphenol | 40.000 | 42.012 | -5.0 | 117 | 0.00 |
| 37 | 2-Methylnaphthalene | 40.000 | 40.883 | -2.2 | 115 | 0.00 |
| 38 | 1-Methylnaphthalene | 40.000 | 40.645 | -1.6 | 117 | 0.00 |
| 39 I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 118 | 0.00 |
| 40 | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.439 | 3.9 | 116 | 0.00 |
| 41 P | Hexachlorocyclopentadiene | 40.000 | 37.891 | 5.3 | 111 | 0.00 |
| 42 S | 2,4,6-Tribromophenol | 80.000 | 79.817 | 0.2 | 113 | 0.00 |
| 43 C | 2,4,6-Trichlorophenol | 40.000 | 40.637 | -1.6 | 118 | 0.00 |
| 44 | 2,4,5-Trichlorophenol | 40.000 | 40.911 | -2.3 | 118 | 0.00 |
| 45 S | 2-Fluorobiphenyl | 80.000 | 83.964 | -5.0 | 123 | 0.00 |
| 46 | 1,1'-Biphenyl | 40.000 | 39.227 | 1.9 | 114 | 0.00 |
| 47 | 2-Chloronaphthalene | 40.000 | 39.502 | 1.2 | 117 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 48 | 2-Nitroaniline | 40.000 | 43.370 | -8.4 | 122 | 0.00 |
| 49 | Acenaphthylene | 40.000 | 39.694 | 0.8 | 115 | 0.00 |
| 50 | Dimethylphthalate | 40.000 | 38.487 | 3.8 | 112 | 0.00 |
| 51 | 2,6-Dinitrotoluene | 40.000 | 41.962 | -4.9 | 118 | 0.00 |
| 52 C | Acenaphthene | 40.000 | 39.259 | 1.9 | 115 | 0.00 |
| 53 | 3-Nitroaniline | 40.000 | 41.030 | -2.6 | 113 | 0.00 |
| 54 P | 2,4-Dinitrophenol | 40.000 | 40.424 | -1.1 | 128 | 0.00 |
| 55 | Dibenzofuran | 40.000 | 39.044 | 2.4 | 115 | 0.00 |
| 56 P | 4-Nitrophenol | 40.000 | 43.243 | -8.1 | 118 | 0.00 |
| 57 | 2,4-Dinitrotoluene | 40.000 | 42.787 | -7.0 | 120 | 0.00 |
| 58 | Fluorene | 40.000 | 38.672 | 3.3 | 112 | 0.00 |
| 59 | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.310 | -0.8 | 116 | 0.00 |
| 60 | Diethylphthalate | 40.000 | 39.627 | 0.9 | 116 | 0.00 |
| 61 | 4-Chlorophenyl-phenylether | 40.000 | 38.389 | 4.0 | 113 | 0.00 |
| 62 | 4-Nitroaniline | 40.000 | 40.718 | -1.8 | 112 | 0.00 |
| 63 | Azobenzene | 40.000 | 39.425 | 1.4 | 114 | 0.00 |
| 64 I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 110 | 0.00 |
| 65 | 4,6-Dinitro-2-methylphenol | 40.000 | 45.795 | -14.5 | 125 | 0.00 |
| 66 c | n-Nitrosodiphenylamine | 40.000 | 40.944 | -2.4 | 111 | 0.00 |
| 67 | 4-Bromophenyl-phenylether | 40.000 | 40.614 | -1.5 | 113 | 0.00 |
| 68 | Hexachlorobenzene | 40.000 | 39.594 | 1.0 | 109 | 0.00 |
| 69 | Atrazine | 40.000 | 39.480 | 1.3 | 111 | 0.00 |
| 70 C | Pentachlorophenol | 40.000 | 44.295 | -10.7 | 114 | 0.00 |
| 71 | Phenanthrene | 40.000 | 40.043 | -0.1 | 109 | 0.00 |
| 72 | Anthracene | 40.000 | 40.219 | -0.5 | 109 | 0.00 |
| 73 | Carbazole | 40.000 | 39.696 | 0.8 | 108 | 0.00 |
| 74 | Di-n-butylphthalate | 40.000 | 43.043 | -7.6 | 115 | 0.00 |
| 75 C | Fluoranthene | 40.000 | 38.075 | 4.8 | 106 | 0.00 |
| 76 I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 107 | 0.00 |
| 77 | Benzidine | 40.000 | 38.277 | 4.3 | 100 | 0.00 |
| 78 | Pyrene | 40.000 | 39.142 | 2.1 | 105 | 0.00 |
| 79 S | Terphenyl-d14 | 80.000 | 70.069 | 12.4 | 112 | 0.00 |
| 80 | Butylbenzylphthalate | 40.000 | 50.692 | -26.7# | 132 | 0.00 |
| 81 | Benzo(a)anthracene | 40.000 | 40.152 | -0.4 | 107 | 0.00 |
| 82 | 3,3'-Dichlorobenzidine | 40.000 | 42.023 | -5.1 | 111 | 0.00 |
| 83 | Chrysene | 40.000 | 39.534 | 1.2 | 106 | 0.00 |
| 84 | Bis(2-ethylhexyl)phthalate | 40.000 | 50.541 | -26.4# | 133 | 0.00 |
| 85 c | Di-n-octyl phthalate | 40.000 | 51.103 | -27.8# | 131 | 0.00 |
| 86 I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 110 | 0.00 |
| 87 | Indeno(1,2,3-cd)pyrene | 40.000 | 40.019 | -0.0 | 109 | 0.00 |
| 88 | Benzo(b)fluoranthene | 40.000 | 40.354 | -0.9 | 110 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 39.542 | 1.1 | 108 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 39.960 | 0.1 | 109 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 40.036 | -0.1 | 110 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 39.289 | 1.8 | 108 | 0.00 |

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 1