

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100921\  
 Data File : BM032394.D  
 Acq On : 08 Oct 2021 15:34  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

mohammad  
 10/11/2021 2:13:16 PM

Quant Time: Oct 08 17:11:36 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 08 17:11:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.619  | 152  | 316076   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.407 | 136  | 1281354  | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.266 | 164  | 787501   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.995 | 188  | 1566638  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.159 | 240  | 1463399  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 23.300 | 264  | 1480561  | 20.00 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.190  | 112  | 1461765  | 77.92 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.813  | 99   | 2134533  | 83.21 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.772  | 82   | 1863316  | 80.88 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.754 | 330  | 685743   | 77.78 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.883 | 172  | 4008554  | 75.68 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.606 | 244  | 5146238  | 74.06 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.996  | 88   | 301299   | 37.74 | ng    | 90       |
| 3) Pyridine                   | 3.402  | 79   | 859287   | 39.78 | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.319  | 42   | 347739   | 40.14 | ng    | # 61     |
| 6) Aniline                    | 6.942  | 93   | 1186551  | 41.86 | ng    | 91       |
| 8) 2-Chlorophenol             | 7.190  | 128  | 823158   | 40.26 | ng    | 93       |
| 9) Benzaldehyde               | 6.742  | 77   | 566610   | 37.84 | ng    | 87       |
| 10) Phenol                    | 6.837  | 94   | 1026243  | 41.55 | ng    | 81       |
| 11) bis(2-Chloroethyl)ether   | 7.037  | 93   | 811101   | 41.29 | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 7.513  | 146  | 892005   | 38.70 | ng    | # 91     |
| 13) 1,4-Dichlorobenzene       | 7.654  | 146  | 913618   | 38.95 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.978  | 146  | 887915   | 39.44 | ng    | 96       |
| 15) Benzyl Alcohol            | 7.860  | 79   | 730530   | 41.58 | ng    | 87       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.154  | 45   | 1034702  | 41.58 | ng    | 97       |
| 17) 2-Methylphenol            | 8.084  | 107  | 695289   | 41.65 | ng    | # 88     |
| 18) Hexachloroethane          | 8.701  | 117  | 321318   | 40.24 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.425  | 70   | 603280   | 43.25 | ng    | # 84     |
| 20) 3+4-Methylphenols         | 8.413  | 107  | 956086   | 42.46 | ng    | 95       |
| 22) Acetophenone              | 8.436  | 105  | 1232782  | 39.92 | ng    | # 88     |
| 24) Nitrobenzene              | 8.813  | 77   | 892504   | 40.17 | ng    | 90       |
| 25) Isophorone                | 9.336  | 82   | 1580217  | 41.28 | ng    | 95       |
| 26) 2-Nitrophenol             | 9.525  | 139  | 429029   | 41.50 | ng    | # 76     |
| 27) 2,4-Dimethylphenol        | 9.601  | 122  | 694162   | 39.80 | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 9.819  | 93   | 1104532  | 40.13 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.066 | 162  | 774928   | 39.89 | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.278 | 180  | 836869   | 37.98 | ng    | 98       |
| 31) Naphthalene               | 10.460 | 128  | 2582568  | 39.28 | ng    | 100      |
| 32) Benzoic acid              | 9.772  | 122  | 534542   | 41.32 | ng    | # 81     |
| 33) 4-Chloroaniline           | 10.566 | 127  | 1087359  | 40.06 | ng    | # 94     |
| 34) Hexachlorobutadiene       | 10.766 | 225  | 490830   | 37.28 | ng    | 99       |
| 35) Caprolactam               | 11.325 | 113  | 259878   | 43.65 | ng    | # 84     |
| 36) 4-Chloro-3-methylphenol   | 11.707 | 107  | 852019   | 40.74 | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.072 | 142  | 1753520m | 39.24 | ng    |          |
| 38) 1-Methylnaphthalene       | 12.295 | 142  | 1726985  | 39.55 | ng    | # 98     |
| 40) 1,2,4,5-Tetrachloroben... | 12.454 | 216  | 886117   | 39.06 | ng    | # 96     |
| 41) Hexachlorocyclopentadiene | 12.448 | 237  | 450271   | 41.64 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.695 | 196  | 632965   | 40.33 | ng    | 96       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|-------|-------|----------|-----|
| 44) 2,4,5-Trichlorophenol     | 12.772 | 196  | 681105   | 40.37 | ng    | #        | 91  |
| 46) 1,1'-Biphenyl             | 13.095 | 154  | 2300236  | 39.58 | ng    |          | 99  |
| 47) 2-Chloronaphthalene       | 13.136 | 162  | 1756067  | 39.40 | ng    |          | 98  |
| 48) 2-Nitroaniline            | 13.336 | 65   | 533554   | 44.04 | ng    | #        | 81  |
| 49) Acenaphthylene            | 13.983 | 152  | 2792130  | 40.35 | ng    |          | 99  |
| 50) Dimethylphthalate         | 13.724 | 163  | 2188648  | 39.36 | ng    |          | 99  |
| 51) 2,6-Dinitrotoluene        | 13.830 | 165  | 463237   | 41.12 | ng    | #        | 67  |
| 52) Acenaphthene              | 14.330 | 154  | 1842089  | 40.36 | ng    |          | 98  |
| 53) 3-Nitroaniline            | 14.166 | 138  | 530223   | 41.89 | ng    |          | 87  |
| 54) 2,4-Dinitrophenol         | 14.366 | 184  | 266980   | 42.71 | ng    | #        | 65  |
| 55) Dibenzofuran              | 14.666 | 168  | 2739025  | 39.42 | ng    |          | 92  |
| 56) 4-Nitrophenol             | 14.489 | 139  | 445173   | 42.65 | ng    | #        | 66  |
| 57) 2,4-Dinitrotoluene        | 14.618 | 165  | 624159   | 42.03 | ng    | #        | 64  |
| 58) Fluorene                  | 15.313 | 166  | 2046851  | 38.73 | ng    |          | 99  |
| 59) 2,3,4,6-Tetrachlorophenol | 14.895 | 232  | 589747   | 40.57 | ng    | #        | 83  |
| 60) Diethylphthalate          | 15.089 | 149  | 2143733  | 39.27 | ng    |          | 96  |
| 61) 4-Chlorophenyl-phenyle... | 15.301 | 204  | 1025780  | 37.47 | ng    |          | 93  |
| 62) 4-Nitroaniline            | 15.330 | 138  | 545866   | 43.21 | ng    | #        | 69  |
| 63) Azobenzene                | 15.595 | 77   | 2140977  | 41.20 | ng    |          | 85  |
| 65) 4,6-Dinitro-2-methylph... | 15.389 | 198  | 384826   | 43.64 | ng    | #        | 77  |
| 66) n-Nitrosodiphenylamine    | 15.518 | 169  | 1871366  | 40.46 | ng    |          | 98  |
| 67) 4-Bromophenyl-phenylether | 16.189 | 248  | 640535   | 39.28 | ng    |          | 92  |
| 68) Hexachlorobenzene         | 16.324 | 284  | 693877   | 38.66 | ng    | #        | 84  |
| 69) Atrazine                  | 16.459 | 200  | 623379   | 39.57 | ng    |          | 95  |
| 70) Pentachlorophenol         | 16.659 | 266  | 460790   | 41.59 | ng    |          | 97  |
| 71) Phenanthrene              | 17.036 | 178  | 3297430  | 40.10 | ng    |          | 100 |
| 72) Anthracene                | 17.124 | 178  | 3268947  | 40.69 | ng    |          | 99  |
| 73) Carbazole                 | 17.389 | 167  | 3276500  | 41.07 | ng    |          | 98  |
| 74) Di-n-butylphthalate       | 17.948 | 149  | 3470992  | 40.49 | ng    | #        | 97  |
| 75) Fluoranthene              | 19.042 | 202  | 3697551  | 40.55 | ng    |          | 96  |
| 77) Benzidine                 | 19.224 | 184  | 1678913  | 46.18 | ng    |          | 98  |
| 78) Pyrene                    | 19.406 | 202  | 3821994  | 38.52 | ng    |          | 98  |
| 80) Butylbenzylphthalate      | 20.295 | 149  | 1562506  | 41.46 | ng    |          | 92  |
| 81) Benzo(a)anthracene        | 21.142 | 228  | 3600436  | 39.36 | ng    |          | 98  |
| 82) 3,3'-Dichlorobenzidine    | 21.077 | 252  | 1207026  | 41.89 | ng    |          | 100 |
| 83) Chrysene                  | 21.194 | 228  | 3464165  | 39.15 | ng    |          | 99  |
| 84) Bis(2-ethylhexyl)phtha... | 21.065 | 149  | 2085184  | 41.03 | ng    |          | 95  |
| 85) Di-n-octyl phthalate      | 21.906 | 149  | 3732067  | 43.79 | ng    | #        | 91  |
| 87) Indeno(1,2,3-cd)pyrene    | 25.430 | 276  | 3683366  | 40.37 | ng    |          | 95  |
| 88) Benzo(b)fluoranthene      | 22.665 | 252  | 3547593  | 39.39 | ng    |          | 98  |
| 89) Benzo(k)fluoranthene      | 22.706 | 252  | 3370320m | 38.31 | ng    |          |     |
| 90) Benzo(a)pyrene            | 23.212 | 252  | 2937969  | 40.23 | ng    |          | 98  |
| 91) Dibenzo(a,h)anthracene    | 25.435 | 278  | 3099563  | 40.30 | ng    | #        | 95  |
| 92) Benzo(g,h,i)perylene      | 26.082 | 276  | 3063343  | 40.29 | ng    | #        | 94  |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

