

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031621\  
 Data File : BM029149.D  
 Acq On : 16 Mar 2021 14:44  
 Operator : CG/JU  
 Sample : PB135174BSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB135174BSD

Manual Integrations  
 APPROVED

mohammad  
 3/17/2021 10:51:48 AM

Quant Time: Mar 16 15:14:51 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM022321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 12 12:30:15 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.616  | 152  | 9854     | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.404 | 136  | 36332    | 20.00  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 14.286 | 164  | 19088    | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.039 | 188  | 33208    | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.215 | 240  | 28685    | 20.00  | ng    | #-0.01   |
| 86) Perylene-d12              | 23.350 | 264  | 28089    | 20.00  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.204  | 112  | 52322    | 88.01  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.834  | 99   | 61032    | 77.72  | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 8.792  | 82   | 51014    | 75.75  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.792 | 330  | 16503    | 72.95  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.898 | 172  | 104800   | 73.09  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.662 | 244  | 105577   | 67.96  | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.052  | 88   | 10288    | 46.03  | ng    | # 58     |
| 3) Pyridine                   | 3.463  | 79   | 26002    | 44.08  | ng    | # 31     |
| 4) n-Nitrosodimethylamine     | 3.387  | 42   | 20661    | 62.69  | ng    | # 36     |
| 6) Aniline                    | 6.957  | 93   | 25781    | 30.70  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.187  | 128  | 30439    | 43.11  | ng    | 95       |
| 9) Benzaldehyde               | 6.769  | 77   | 7982     | 18.65  | ng    | 81       |
| 10) Phenol                    | 6.857  | 94   | 32994    | 42.28  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.057  | 93   | 25841    | 43.65  | ng    | 90       |
| 12) 1,3-Dichlorobenzene       | 7.498  | 146  | 34404    | 44.67  | ng    | # 92     |
| 13) 1,4-Dichlorobenzene       | 7.645  | 146  | 35585    | 45.56  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 7.957  | 146  | 33069    | 44.00  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.881  | 79   | 23884    | 42.53  | ng    | # 91     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.157  | 45   | 46681    | 51.21  | ng    | 70       |
| 17) 2-Methylphenol            | 8.098  | 107  | 22403    | 42.28  | ng    | 92       |
| 18) Hexachloroethane          | 8.675  | 117  | 13782    | 48.56  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 8.439  | 70   | 19950    | 43.19  | ng    | # 51     |
| 20) 3+4-Methylphenols         | 8.428  | 107  | 30178    | 42.33  | ng    | 95       |
| 22) Acetophenone              | 8.451  | 105  | 42440    | 47.90  | ng    | # 80     |
| 24) Nitrobenzene              | 8.834  | 77   | 30544    | 44.61  | ng    | # 85     |
| 25) Isophorone                | 9.351  | 82   | 50405    | 42.54  | ng    | 95       |
| 26) 2-Nitrophenol             | 9.539  | 139  | 15237    | 44.06  | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 9.616  | 122  | 23106    | 44.52  | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 9.839  | 93   | 31717    | 47.11  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.080 | 162  | 25733    | 43.34  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.269 | 180  | 29694    | 45.61  | ng    | 96       |
| 31) Naphthalene               | 10.451 | 128  | 86041    | 42.95  | ng    | 98       |
| 32) Benzoic acid              | 9.822  | 122  | 16004    | 43.02  | ng    | # 86     |
| 33) 4-Chloroaniline           | 10.592 | 127  | 18312    | 22.75  | ng    | 94       |
| 34) Hexachlorobutadiene       | 10.716 | 225  | 18223    | 46.68  | ng    | 99       |
| 35) Caprolactam               | 11.404 | 113  | 6156     | 37.90  | ng    | # 46     |
| 36) 4-Chloro-3-methylphenol   | 11.751 | 107  | 24425    | 40.82  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.074 | 142  | 58503    | 41.51  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.298 | 142  | 54927    | 41.15  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.457 | 216  | 28582    | 47.89  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.416 | 237  | 24029    | 105.62 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.721 | 196  | 17825    | 42.61  | ng    | 96       |

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|-------------------------------|--------|------|----------|-------|-------|----------|-----|
| 44) 2,4,5-Trichlorophenol     | 12.804 | 196  | 18493    | 41.19 | ng    | #        | 94  |
| 46) 1,1'-Biphenyl             | 13.110 | 154  | 68761    | 44.92 | ng    |          | 99  |
| 47) 2-Chloronaphthalene       | 13.157 | 162  | 55159    | 44.14 | ng    |          | 96  |
| 48) 2-Nitroaniline            | 13.392 | 65   | 15385    | 45.77 | ng    |          | 91  |
| 49) Acenaphthylene            | 14.010 | 152  | 82176    | 42.82 | ng    |          | 100 |
| 50) Dimethylphthalate         | 13.763 | 163  | 62277    | 43.05 | ng    |          | 99  |
| 51) 2,6-Dinitrotoluene        | 13.898 | 165  | 13354    | 39.59 | ng    |          | 94  |
| 52) Acenaphthene              | 14.351 | 154  | 48863    | 41.52 | ng    |          | 96  |
| 53) 3-Nitroaniline            | 14.233 | 138  | 8718     | 26.53 | ng    |          | 85  |
| 54) 2,4-Dinitrophenol         | 14.457 | 184  | 13230    | 76.69 | ng    | #        | 85  |
| 55) Dibenzofuran              | 14.692 | 168  | 77411    | 41.89 | ng    |          | 98  |
| 56) 4-Nitrophenol             | 14.580 | 139  | 18599    | 69.00 | ng    |          | 94  |
| 57) 2,4-Dinitrotoluene        | 14.698 | 165  | 18505    | 42.00 | ng    | #        | 87  |
| 58) Fluorene                  | 15.345 | 166  | 61711    | 41.67 | ng    |          | 97  |
| 59) 2,3,4,6-Tetrachlorophenol | 14.933 | 232  | 14145m   | 39.20 | ng    |          |     |
| 60) Diethylphthalate          | 15.127 | 149  | 62459    | 42.92 | ng    |          | 97  |
| 61) 4-Chlorophenyl-phenyle... | 15.339 | 204  | 30314    | 42.90 | ng    | #        | 89  |
| 62) 4-Nitroaniline            | 15.404 | 138  | 11292    | 35.54 | ng    |          | 95  |
| 63) Azobenzene                | 15.633 | 77   | 58303    | 43.41 | ng    | #        | 82  |
| 65) 4,6-Dinitro-2-methylph... | 15.468 | 198  | 9136     | 39.07 | ng    | #        | 70  |
| 66) n-Nitrosodiphenylamine    | 15.562 | 169  | 50105    | 44.11 | ng    |          | 99  |
| 67) 4-Bromophenyl-phenylether | 16.233 | 248  | 16624    | 44.61 | ng    | #        | 87  |
| 68) Hexachlorobenzene         | 16.339 | 284  | 18099    | 43.59 | ng    | #        | 86  |
| 69) Atrazine                  | 16.521 | 200  | 13767    | 38.95 | ng    |          | 97  |
| 70) Pentachlorophenol         | 16.704 | 266  | 18709    | 84.23 | ng    |          | 99  |
| 71) Phenanthrene              | 17.080 | 178  | 82589    | 41.76 | ng    |          | 99  |
| 72) Anthracene                | 17.168 | 178  | 84452    | 43.11 | ng    |          | 100 |
| 73) Carbazole                 | 17.456 | 167  | 73316    | 39.01 | ng    |          | 98  |
| 74) Di-n-butylphthalate       | 18.003 | 149  | 96877    | 45.33 | ng    |          | 99  |
| 75) Fluoranthene              | 19.098 | 202  | 88641    | 40.79 | ng    |          | 98  |
| 77) Benzidine                 | 19.298 | 184  | 31613    | 33.44 | ng    |          | 99  |
| 78) Pyrene                    | 19.462 | 202  | 89085    | 42.28 | ng    |          | 99  |
| 80) Butylbenzylphthalate      | 20.362 | 149  | 42273    | 46.60 | ng    | #        | 94  |
| 81) Benzo(a)anthracene        | 21.203 | 228  | 83017    | 41.70 | ng    |          | 99  |
| 82) 3,3'-Dichlorobenzidine    | 21.144 | 252  | 19769    | 28.75 | ng    | #        | 97  |
| 83) Chrysene                  | 21.256 | 228  | 80029    | 41.25 | ng    |          | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.127 | 149  | 62856    | 48.15 | ng    | #        | 96  |
| 85) Di-n-octyl phthalate      | 21.980 | 149  | 107992   | 48.76 | ng    | #        | 86  |
| 87) Indeno(1,2,3-cd)pyrene    | 25.485 | 276  | 96049    | 45.31 | ng    | #        | 92  |
| 88) Benzo(b)fluoranthene      | 22.721 | 252  | 83141    | 41.90 | ng    | #        | 98  |
| 89) Benzo(k)fluoranthene      | 22.762 | 252  | 81503    | 43.24 | ng    | #        | 97  |
| 90) Benzo(a)pyrene            | 23.262 | 252  | 75640    | 41.78 | ng    | #        | 97  |
| 91) Dibenzo(a,h)anthracene    | 25.491 | 278  | 82025    | 44.53 | ng    | #        | 95  |
| 92) Benzo(g,h,i)perylene      | 26.138 | 276  | 79083    | 44.46 | ng    | #        | 93  |

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

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