

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081721\  
 Data File : BP006713.D  
 Acq On : 17 Aug 2021 12:17  
 Operator : CG/JU  
 Sample : PB138424BSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB138424BSD

Manual Integrations  
 APPROVED

mohammad  
 8/18/2021 4:29:58 PM

Quant Time: Aug 17 13:25:40 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 16 18:17:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.704  | 152  | 173329   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.486 | 136  | 759108   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.351 | 164  | 423735   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.110 | 188  | 850608   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.215 | 240  | 860963   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.533 | 264  | 890261   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.304  | 112  | 1564885  | 138.671 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.893  | 99   | 1962671  | 122.435 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.863  | 82   | 1330295  | 80.888  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.851 | 330  | 598726   | 135.198 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.969 | 172  | 2345677  | 82.821  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.692 | 244  | 3589167  | 83.533  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.240  | 88   | 176172   | 35.858  | ng    | 94       |
| 3) Pyridine                   | 3.634  | 79   | 454977   | 31.508  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.552  | 42   | 214500   | 39.357  | ng    | # 77     |
| 6) Aniline                    | 7.040  | 93   | 645722   | 37.083  | ng    | 94       |
| 8) 2-Chlorophenol             | 7.269  | 128  | 563062   | 46.114  | ng    | 93       |
| 9) Benzaldehyde               | 6.851  | 77   | 361683   | 37.487  | ng    | 93       |
| 10) Phenol                    | 6.916  | 94   | 720180   | 44.804  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.140  | 93   | 534133   | 43.762  | ng    | 91       |
| 12) 1,3-Dichlorobenzene       | 7.587  | 146  | 558438   | 43.883  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.740  | 146  | 575391   | 44.551  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.051  | 146  | 548676   | 44.273  | ng    | 96       |
| 15) Benzyl Alcohol            | 7.951  | 79   | 536651   | 44.641  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.245  | 45   | 607952   | 41.858  | ng    | 94       |
| 17) 2-Methylphenol            | 8.157  | 107  | 472671   | 46.569  | ng    | 98       |
| 18) Hexachloroethane          | 8.769  | 117  | 234133   | 45.801  | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 8.522  | 70   | 451149   | 41.948  | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.487  | 107  | 638259   | 46.200  | ng    | 99       |
| 22) Acetophenone              | 8.528  | 105  | 855728   | 42.508  | ng    | # 97     |
| 24) Nitrobenzene              | 8.904  | 77   | 690235   | 40.374  | ng    | 91       |
| 25) Isophorone                | 9.434  | 82   | 1164050  | 39.407  | ng    | 95       |
| 26) 2-Nitrophenol             | 9.610  | 139  | 281357   | 45.222  | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 9.681  | 122  | 502651   | 48.246  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 9.922  | 93   | 704637   | 44.583  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.145 | 162  | 467866   | 44.356  | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.351 | 180  | 476410   | 42.033  | ng    | 97       |
| 31) Naphthalene               | 10.539 | 128  | 1685786  | 41.328  | ng    | 100      |
| 32) Benzoic acid              | 9.845  | 122  | 363689   | 45.124  | ng    | 93       |
| 33) 4-Chloroaniline           | 10.657 | 127  | 276051   | 16.724  | ng    | # 94     |
| 34) Hexachlorobutadiene       | 10.822 | 225  | 280840   | 42.520  | ng    | 99       |
| 35) Caprolactam               | 11.469 | 113  | 168588m  | 44.326  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.798 | 107  | 595015   | 44.399  | ng    | 90       |
| 37) 2-Methylnaphthalene       | 12.157 | 142  | 1151897  | 41.674  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.381 | 142  | 1076077  | 40.967  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.528 | 216  | 487290   | 43.938  | ng    | # 95     |
| 41) Hexachlorocyclopentadiene | 12.504 | 237  | 642145   | 109.171 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.775 | 196  | 348006   | 45.956  | ng    | 97       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.845 | 196  | 375570   | 44.805 | ng    | # 87     |
| 46) 1,1'-Biphenyl             | 13.180 | 154  | 1344977  | 41.935 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.222 | 162  | 1053478  | 42.653 | ng    | 95       |
| 48) 2-Nitroaniline            | 13.433 | 65   | 390729   | 44.827 | ng    | 86       |
| 49) Acenaphthylene            | 14.069 | 152  | 1758838  | 44.164 | ng    | 100      |
| 50) Dimethylphthalate         | 13.822 | 163  | 1349451  | 43.750 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.939 | 165  | 293275   | 42.611 | ng    | # 73     |
| 52) Acenaphthene              | 14.416 | 154  | 1012260  | 41.764 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.269 | 138  | 200098   | 26.225 | ng    | 83       |
| 54) 2,4-Dinitrophenol         | 14.480 | 184  | 320697   | 89.101 | ng    | # 79     |
| 55) Dibenzofuran              | 14.751 | 168  | 1590331  | 41.714 | ng    | 94       |
| 56) 4-Nitrophenol             | 14.592 | 139  | 627005   | 94.637 | ng    | 88       |
| 57) 2,4-Dinitrotoluene        | 14.733 | 165  | 417640   | 45.246 | ng    | # 78     |
| 58) Fluorene                  | 15.404 | 166  | 1303202  | 42.766 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.980 | 232  | 312039   | 44.421 | ng    | # 69     |
| 60) Diethylphthalate          | 15.192 | 149  | 1461568  | 45.115 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.404 | 204  | 598367   | 43.360 | ng    | 89       |
| 62) 4-Nitroaniline            | 15.439 | 138  | 340476   | 42.052 | ng    | 92       |
| 63) Azobenzene                | 15.698 | 77   | 1638782  | 43.387 | ng    | 93       |
| 65) 4,6-Dinitro-2-methylph... | 15.492 | 198  | 198709   | 38.232 | ng    | 69       |
| 66) n-Nitrosodiphenylamine    | 15.621 | 169  | 1119866  | 41.886 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.304 | 248  | 354337   | 43.415 | ng    | # 88     |
| 68) Hexachlorobenzene         | 16.404 | 284  | 398647   | 42.922 | ng    | # 85     |
| 69) Atrazine                  | 16.592 | 200  | 399070   | 47.834 | ng    | 97       |
| 70) Pentachlorophenol         | 16.757 | 266  | 559368   | 94.924 | ng    | 99       |
| 71) Phenanthrene              | 17.151 | 178  | 2027546  | 42.259 | ng    | 99       |
| 72) Anthracene                | 17.239 | 178  | 2073800  | 44.731 | ng    | 100      |
| 73) Carbazole                 | 17.521 | 167  | 1963616  | 41.524 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.086 | 149  | 2546009  | 47.256 | ng    | 99       |
| 75) Fluoranthene              | 19.127 | 202  | 2323438  | 43.145 | ng    | 94       |
| 77) Benzidine                 | 19.321 | 184  | 1301903  | 60.430 | ng    | 99       |
| 78) Pyrene                    | 19.480 | 202  | 2405341  | 41.826 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.374 | 149  | 1208296  | 47.782 | ng    | # 85     |
| 81) Benzo(a)anthracene        | 21.198 | 228  | 2356939  | 41.888 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.139 | 252  | 576093   | 39.000 | ng    | # 97     |
| 83) Chrysene                  | 21.251 | 228  | 2301959  | 42.200 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.139 | 149  | 1853945  | 48.786 | ng    | # 95     |
| 85) Di-n-octyl phthalate      | 22.045 | 149  | 3215892  | 51.343 | ng    | # 95     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.933 | 276  | 2879527  | 44.607 | ng    | # 90     |
| 88) Benzo(b)fluoranthene      | 22.833 | 252  | 2548051  | 44.038 | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 22.880 | 252  | 2335184  | 42.036 | ng    | # 96     |
| 90) Benzo(a)pyrene            | 23.433 | 252  | 2392610  | 46.103 | ng    | # 95     |
| 91) Dibenzo(a,h)anthracene    | 25.950 | 278  | 2458084  | 44.041 | ng    | # 93     |
| 92) Benzo(g,h,i)perylene      | 26.668 | 276  | 2412419  | 45.105 | ng    | # 91     |

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

