

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082421\  
 Data File : BP006849.D  
 Acq On : 24 Aug 2021 15:49  
 Operator : CG/JU  
 Sample : M3505-01MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DRILL-CUTTINGMSD

Quant Time: Aug 24 17:00:57 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 24 13:40:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 144555   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.475 | 136  | 599688   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.334 | 164  | 338582   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.092 | 188  | 673573   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.204 | 240  | 660009   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.510 | 264  | 729489   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.293  | 112  | 1033920  | 109.857 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.881  | 99   | 1295077  | 96.870  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.852  | 82   | 844332   | 64.988  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.834 | 330  | 419789   | 118.633 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 12.957 | 172  | 1529091  | 67.568  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.674 | 244  | 2247050  | 68.220  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.234  | 88   | 149816   | 36.564  | ng    | 97       |
| 3) Pyridine                   | 3.628  | 79   | 385369   | 32.000  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.540  | 42   | 155564   | 34.225  | ng    | # 69     |
| 6) Aniline                    | 7.028  | 93   | 553496   | 38.114  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.258  | 128  | 453054   | 44.491  | ng    | 97       |
| 9) Benzaldehyde               | 6.840  | 77   | 312489   | 38.835  | ng    | 95       |
| 10) Phenol                    | 6.910  | 94   | 562849   | 41.986  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.128  | 93   | 411243   | 40.401  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.575  | 146  | 466113   | 43.919  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.722  | 146  | 474512   | 44.054  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.034  | 146  | 454736   | 43.997  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.940  | 79   | 414882   | 41.381  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.216  | 45   | 409717   | 33.825  | ng    | 97       |
| 17) 2-Methylphenol            | 8.146  | 107  | 370892   | 43.815  | ng    | 99       |
| 18) Hexachloroethane          | 8.752  | 117  | 188015   | 44.100  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 8.505  | 70   | 339812   | 37.886  | ng    | 93       |
| 20) 3+4-Methylphenols         | 8.475  | 107  | 501238   | 43.503  | ng    | 97       |
| 22) Acetophenone              | 8.516  | 105  | 674059   | 42.385  | ng    | # 98     |
| 24) Nitrobenzene              | 8.893  | 77   | 513954   | 38.055  | ng    | 94       |
| 25) Isophorone                | 9.422  | 82   | 889881   | 38.134  | ng    | 95       |
| 26) 2-Nitrophenol             | 9.599  | 139  | 238506   | 48.526  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.669  | 122  | 393174   | 47.770  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 9.904  | 93   | 540533   | 43.292  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.134 | 162  | 384962   | 46.198  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.340 | 180  | 387453   | 43.272  | ng    | 97       |
| 31) Naphthalene               | 10.522 | 128  | 1336699  | 41.481  | ng    | 99       |
| 32) Benzoic acid              | 9.804  | 122  | 160853   | 25.263  | ng    | 95       |
| 33) 4-Chloroaniline           | 10.646 | 127  | 373026   | 28.606  | ng    | 96       |
| 34) Hexachlorobutadiene       | 10.798 | 225  | 236354   | 45.298  | ng    | 97       |
| 35) Caprolactam               | 11.469 | 113  | 141641   | 47.141  | ng    | # 78     |
| 36) 4-Chloro-3-methylphenol   | 11.787 | 107  | 464884   | 43.911  | ng    | 91       |
| 37) 2-Methylnaphthalene       | 12.140 | 142  | 925131   | 42.368  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.363 | 142  | 855630   | 41.234  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.510 | 216  | 405179   | 45.723  | ng    | # 95     |
| 41) Hexachlorocyclopentadiene | 12.487 | 237  | 430049   | 91.500  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.763 | 196  | 287838   | 47.570  | ng    | 97       |

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| 44) 2,4,5-Trichlorophenol     | 12.840 | 196  | 313103   | 46.747 | ng    | # 90     |
| 46) 1,1'-Biphenyl             | 13.169 | 154  | 1086515  | 42.396 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.204 | 162  | 848342   | 42.986 | ng    | 94       |
| 48) 2-Nitroaniline            | 13.422 | 65   | 301902   | 43.347 | ng    | 89       |
| 49) Acenaphthylene            | 14.057 | 152  | 1390528  | 43.697 | ng    | 99       |
| 50) Dimethylphthalate         | 13.810 | 163  | 1073912  | 43.573 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.928 | 165  | 234388   | 42.619 | ng    | # 84     |
| 52) Acenaphthene              | 14.398 | 154  | 815626   | 42.114 | ng    | 97       |
| 53) 3-Nitroaniline            | 14.257 | 138  | 215690   | 35.377 | ng    | 86       |
| 54) 2,4-Dinitrophenol         | 14.469 | 184  | 185449   | 64.483 | ng    | # 84     |
| 55) Dibenzofuran              | 14.739 | 168  | 1256813  | 41.257 | ng    | 94       |
| 56) 4-Nitrophenol             | 14.587 | 139  | 475996   | 89.913 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 14.722 | 165  | 328922   | 44.597 | ng    | # 82     |
| 58) Fluorene                  | 15.386 | 166  | 1026999  | 42.178 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 14.969 | 232  | 262891   | 46.836 | ng    | # 74     |
| 60) Diethylphthalate          | 15.181 | 149  | 1152464  | 44.520 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.386 | 204  | 480540   | 43.579 | ng    | 90       |
| 62) 4-Nitroaniline            | 15.428 | 138  | 255772   | 39.535 | ng    | 93       |
| 63) Azobenzene                | 15.686 | 77   | 1194562  | 39.580 | ng    | 93       |
| 65) 4,6-Dinitro-2-methylph... | 15.486 | 198  | 148777   | 36.149 | ng    | 82       |
| 66) n-Nitrosodiphenylamine    | 15.610 | 169  | 876077   | 41.380 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.286 | 248  | 286057   | 44.261 | ng    | # 88     |
| 68) Hexachlorobenzene         | 16.392 | 284  | 324080   | 44.064 | ng    | # 89     |
| 69) Atrazine                  | 16.581 | 200  | 316683   | 47.935 | ng    | 96       |
| 70) Pentachlorophenol         | 16.745 | 266  | 451112   | 96.673 | ng    | 99       |
| 71) Phenanthrene              | 17.139 | 178  | 1578071  | 41.535 | ng    | 99       |
| 72) Anthracene                | 17.228 | 178  | 1604017  | 43.691 | ng    | 99       |
| 73) Carbazole                 | 17.510 | 167  | 1522124  | 40.648 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.075 | 149  | 2011548  | 47.149 | ng    | 100      |
| 75) Fluoranthene              | 19.116 | 202  | 1824053  | 42.774 | ng    | 95       |
| 77) Benzidine                 | 19.310 | 184  | 779565   | 47.202 | ng    | 99       |
| 78) Pyrene                    | 19.469 | 202  | 1856945  | 42.122 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.363 | 149  | 945415   | 48.769 | ng    | 93       |
| 81) Benzo(a)anthracene        | 21.186 | 228  | 1818162  | 42.152 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.127 | 252  | 575563   | 50.828 | ng    | # 98     |
| 83) Chrysene                  | 21.239 | 228  | 1763955  | 42.183 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.127 | 149  | 1413825  | 48.532 | ng    | # 96     |
| 85) Di-n-octyl phthalate      | 22.021 | 149  | 2437769  | 50.770 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 25.904 | 276  | 2348522  | 44.399 | ng    | # 92     |
| 88) Benzo(b)fluoranthene      | 22.816 | 252  | 1932616  | 40.763 | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 22.863 | 252  | 1910576  | 41.972 | ng    | # 97     |
| 90) Benzo(a)pyrene            | 23.415 | 252  | 1922437  | 45.207 | ng    | # 95     |
| 91) Dibenzo(a,h)anthracene    | 25.915 | 278  | 1990720  | 43.528 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 26.639 | 276  | 1968189  | 44.909 | ng    | # 92     |

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

