

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP112021\  
 Data File : BP008063.D  
 Acq On : 20 Nov 2021 18:16  
 Operator : CG/JU  
 Sample : M4736-01MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 VNJ-202MSD

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/22/2021  
 Supervised By :mohammad ahmed 11/24/2021

Quant Time: Nov 22 05:33:09 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP111921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 20 00:21:11 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.822  | 152  | 126688   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.622 | 136  | 475878   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.463 | 164  | 307212   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.216 | 188  | 639729   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.315 | 240  | 655349   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.703 | 264  | 781023   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.410  | 112  | 1018904  | 137.469 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.004  | 99   | 1321640  | 128.637 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.981  | 82   | 883148   | 84.190  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 15.957 | 330  | 464165   | 119.389 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.086 | 172  | 1714052  | 87.364  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.786 | 244  | 2535125  | 76.055  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.322  | 88   | 147525   | 42.529  | ng    | 99       |
| 3) Pyridine                   | 3.716  | 79   | 404211   | 40.703  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.628  | 42   | 212433   | 47.747  | ng    | 100      |
| 6) Aniline                    | 7.151  | 93   | 551089   | 42.490  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.393  | 128  | 401523   | 48.257  | ng    | 99       |
| 9) Benzaldehyde               | 6.963  | 77   | 268533   | 43.597  | ng    | 98       |
| 10) Phenol                    | 7.028  | 94   | 575233   | 52.269  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 7.251  | 93   | 425052   | 45.350  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.710  | 146  | 438354   | 45.894  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.857  | 146  | 445343   | 45.938  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.175  | 146  | 427644   | 45.971  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.069  | 79   | 419099   | 47.248  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.351  | 45   | 638983   | 43.742  | ng    | 99       |
| 17) 2-Methylphenol            | 8.275  | 107  | 351439   | 48.468  | ng    | 99       |
| 18) Hexachloroethane          | 8.898  | 117  | 168340   | 48.761  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.634  | 70   | 328388   | 43.141  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.604  | 107  | 476612   | 47.418  | ng    | 99       |
| 22) Acetophenone              | 8.645  | 105  | 598303   | 45.316  | ng    | # 99     |
| 24) Nitrobenzene              | 9.022  | 77   | 498554   | 48.486  | ng    | 98       |
| 25) Isophorone                | 9.557  | 82   | 863781   | 46.777  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.734  | 139  | 215732   | 49.294  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.804  | 122  | 356758   | 54.089  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.034 | 93   | 540738   | 45.742  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.275 | 162  | 390477   | 49.108  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.487 | 180  | 420868   | 46.548  | ng    | 99       |
| 31) Naphthalene               | 10.669 | 128  | 1159090  | 47.943  | ng    | 100      |
| 32) Benzoic acid              | 9.969  | 122  | 273385   | 48.349  | ng    | 100      |
| 33) 4-Chloroaniline           | 10.781 | 127  | 260310   | 25.364  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.963 | 225  | 282664   | 46.202  | ng    | 98       |
| 35) Caprolactam               | 11.581 | 113  | 125396   | 70.253  | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 11.922 | 107  | 428090   | 46.642  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.281 | 142  | 836746   | 46.884  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.504 | 142  | 768480   | 43.967  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.657 | 216  | 464674   | 47.145  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.633 | 237  | 509916   | 113.867 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.898 | 196  | 325824   | 47.988  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.969 | 196  | 354766   | 48.433 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.298 | 154  | 1043024  | 45.720 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.333 | 162  | 836020   | 48.086 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.539 | 65   | 303848   | 48.773 | ng    | 99       |
| 49) Acenaphthylene            | 14.180 | 152  | 1320561  | 48.893 | ng    | 100      |
| 50) Dimethylphthalate         | 13.928 | 163  | 1064642  | 45.766 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.039 | 165  | 238492   | 48.934 | ng    | 99       |
| 52) Acenaphthene              | 14.527 | 154  | 772874   | 46.692 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.369 | 138  | 178113   | 34.975 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 14.580 | 184  | 295581   | 97.194 | ng    | 99       |
| 55) Dibenzofuran              | 14.863 | 168  | 1265343  | 44.400 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.692 | 139  | 399762   | 97.924 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.833 | 165  | 327914   | 48.661 | ng    | 98       |
| 58) Fluorene                  | 15.516 | 166  | 955747   | 50.983 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.092 | 232  | 299743m  | 45.492 | ng    |          |
| 60) Diethylphthalate          | 15.292 | 149  | 1056363  | 44.263 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 508170   | 48.492 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.539 | 138  | 234058   | 44.662 | ng    | 97       |
| 63) Azobenzene                | 15.804 | 77   | 1087615  | 43.704 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198  | 193323   | 44.745 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.727 | 169  | 883823   | 48.691 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.410 | 248  | 330136   | 47.034 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.527 | 284  | 360003   | 47.996 | ng    | 99       |
| 69) Atrazine                  | 16.686 | 200  | 345755   | 74.514 | ng    | 99       |
| 70) Pentachlorophenol         | 16.874 | 266  | 439996   | 91.232 | ng    | 98       |
| 71) Phenanthrene              | 17.263 | 178  | 1593431  | 46.228 | ng    | 99       |
| 72) Anthracene                | 17.351 | 178  | 1614888  | 47.322 | ng    | 99       |
| 73) Carbazole                 | 17.627 | 167  | 1478078  | 42.653 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.186 | 149  | 1846120  | 48.885 | ng    | 99       |
| 75) Fluoranthene              | 19.233 | 202  | 1959630  | 44.109 | ng    | 100      |
| 77) Benzidine                 | 19.415 | 184  | 1003520  | 87.934 | ng    | 100      |
| 78) Pyrene                    | 19.586 | 202  | 2014432  | 45.265 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.462 | 149  | 841211   | 45.240 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.298 | 228  | 2040038  | 46.417 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.233 | 252  | 650873   | 35.988 | ng    | 98       |
| 83) Chrysene                  | 21.351 | 228  | 2017238  | 48.369 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.227 | 149  | 1811500  | 72.016 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.151 | 149  | 2261122  | 49.056 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.203 | 276  | 2828476  | 52.190 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 22.980 | 252  | 2383961  | 48.820 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.027 | 252  | 2183384  | 44.939 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.603 | 252  | 2311797  | 56.488 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.221 | 278  | 2361445  | 52.344 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 26.974 | 276  | 2463288  | 55.738 | ng    | 100      |

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

