

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022224\  
 Data File : BP019830.D  
 Acq On : 22 Feb 2024 18:22  
 Operator : MA/JU  
 Sample : P1549-04MS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 336MS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/23/2024  
 Supervised By :mohammad ahmed 02/23/2024

Quant Time: Feb 23 00:57:17 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 19 23:35:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.893  | 152  | 108684   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.693 | 136  | 384950   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.534 | 164  | 233659   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.292 | 188  | 432460   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.386 | 240  | 464391   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.810 | 264  | 538557   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 574378   | 85.188  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.075  | 99   | 983459   | 108.175 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.069  | 82   | 771532   | 86.847  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.034 | 330  | 432639   | 126.815 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.157 | 172  | 1430509  | 75.684  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.857 | 244  | 2439745  | 86.398  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.381  | 88   | 75175    | 28.939  | ng    | # 73     |
| 3) Pyridine                   | 3.781  | 79   | 187224   | 26.584  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.699  | 42   | 97567    | 31.819  | ng    | 100      |
| 6) Aniline                    | 7.228  | 93   | 189718   | 21.476  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.458  | 128  | 308471   | 44.562  | ng    | 99       |
| 9) Benzaldehyde               | 7.046  | 77   | 54288m   | 8.517   | ng    |          |
| 10) Phenol                    | 7.099  | 94   | 363471   | 40.113  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.334  | 93   | 325906   | 46.231  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.781  | 146  | 289019   | 34.121  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.928  | 146  | 297800   | 34.702  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.240  | 146  | 289729   | 34.894  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.146  | 79   | 321489m  | 44.257  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.422  | 45   | 346285   | 49.122  | ng    | 97       |
| 17) 2-Methylphenol            | 8.352  | 107  | 255613   | 41.901  | ng    | 97       |
| 18) Hexachloroethane          | 8.963  | 117  | 98035    | 29.473  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.716  | 70   | 262692   | 42.303  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.681  | 107  | 336804   | 40.455  | ng    | 97       |
| 22) Acetophenone              | 8.728  | 105  | 502165   | 45.790  | ng    | # 98     |
| 24) Nitrobenzene              | 9.110  | 77   | 392934   | 43.929  | ng    | 98       |
| 25) Isophorone                | 9.634  | 82   | 699753   | 45.228  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.816  | 139  | 145899   | 42.779  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.881  | 122  | 213830   | 49.032  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.122 | 93   | 405372   | 46.308  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.351 | 162  | 292465   | 44.364  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.557 | 180  | 291262   | 36.033  | ng    | 98       |
| 31) Naphthalene               | 10.746 | 128  | 842923   | 39.925  | ng    | 99       |
| 32) Benzoic acid              | 9.981  | 122  | 38643m   | 9.095   | ng    |          |
| 33) 4-Chloroaniline           | 10.869 | 127  | 52561    | 6.732   | ng    | 95       |
| 34) Hexachlorobutadiene       | 11.010 | 225  | 194811   | 32.523  | ng    | 99       |
| 35) Caprolactam               | 11.681 | 113  | 78511    | 42.068  | ng    | 89       |
| 36) 4-Chloro-3-methylphenol   | 11.998 | 107  | 316605   | 44.045  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.357 | 142  | 572047   | 39.152  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.575 | 142  | 550544   | 38.343  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.722 | 216  | 368118   | 40.850  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.687 | 237  | 122161   | 30.009  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.969 | 196  | 251591   | 46.108  | ng    | 99       |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.045 | 196  | 273520   | 45.649 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.369 | 154  | 765073   | 41.025 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.410 | 162  | 612682   | 40.022 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.628 | 65   | 215110   | 50.252 | ng    | 100      |
| 49) Acenaphthylene            | 14.257 | 152  | 989020   | 46.049 | ng    | 99       |
| 50) Dimethylphthalate         | 14.004 | 163  | 794118   | 44.396 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.128 | 165  | 167601   | 42.647 | ng    | 97       |
| 52) Acenaphthene              | 14.598 | 154  | 548305   | 41.133 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.457 | 138  | 112612   | 31.180 | ng    | 89       |
| 54) 2,4-Dinitrophenol         | 14.675 | 184  | 16668    | 8.169  | ng    | 98       |
| 55) Dibenzofuran              | 14.934 | 168  | 871445   | 40.139 | ng    | 100      |
| 56) 4-Nitrophenol             | 14.775 | 139  | 250078   | 84.479 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.916 | 165  | 214191   | 41.591 | ng    | 95       |
| 58) Fluorene                  | 15.586 | 166  | 701964   | 40.594 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.163 | 232  | 264300   | 52.442 | ng    | 96       |
| 60) Diethylphthalate          | 15.369 | 149  | 733755   | 41.241 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.581 | 204  | 387939   | 39.915 | ng    | 95       |
| 62) 4-Nitroaniline            | 15.622 | 138  | 159826   | 42.219 | ng    | 99       |
| 63) Azobenzene                | 15.881 | 77   | 565922   | 32.893 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.681 | 198  | 18118    | 7.347  | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 15.804 | 169  | 596824   | 46.081 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.481 | 248  | 231443   | 42.810 | ng    | 95       |
| 68) Hexachlorobenzene         | 16.586 | 284  | 281011   | 44.511 | ng    | 93       |
| 69) Atrazine                  | 16.769 | 200  | 221814   | 51.611 | ng    | 96       |
| 70) Pentachlorophenol         | 16.939 | 266  | 349614   | 88.925 | ng    | 97       |
| 71) Phenanthrene              | 17.333 | 178  | 1029243  | 45.224 | ng    | 100      |
| 72) Anthracene                | 17.428 | 178  | 1071312  | 47.187 | ng    | 100      |
| 73) Carbazole                 | 17.704 | 167  | 964173   | 46.748 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.257 | 149  | 1091073  | 43.752 | ng    | 99       |
| 75) Fluoranthene              | 19.304 | 202  | 1392227  | 50.076 | ng    | 99       |
| 77) Benzidine                 | 19.492 | 184  | 866362   | 89.234 | ng    | 100      |
| 78) Pyrene                    | 19.657 | 202  | 1438246  | 43.883 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.539 | 149  | 523334   | 42.758 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.374 | 228  | 1475443  | 45.135 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.310 | 252  | 512428   | 43.017 | ng    | 99       |
| 83) Chrysene                  | 21.427 | 228  | 1382887  | 44.558 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.304 | 149  | 711272   | 38.163 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.245 | 149  | 1278137  | 38.977 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.351 | 276  | 1771826  | 42.980 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 23.074 | 252  | 1488894  | 43.865 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.121 | 252  | 1420215  | 43.802 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.704 | 252  | 1344540  | 44.519 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.374 | 278  | 1473045  | 43.446 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.133 | 276  | 1377154  | 40.037 | ng    | 98       |

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

