

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022323\  
 Data File : BP013882.D  
 Acq On : 23 Feb 2023 16:26  
 Operator : CG/JU  
 Sample : 01633-01MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 WEIR-TANK-MUDMSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 02/24/2023  
 Supervised By : Jagrut Upadhyay 02/24/2023

Quant Time: Feb 24 01:41:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP021623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 24 01:37:56 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.105  | 152  | 101102   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.928 | 136  | 352269   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.740 | 164  | 260064   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.492 | 188  | 567065   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.569 | 240  | 583596   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.121 | 264  | 762804   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.640  | 112  | 858310   | 139.917 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.258  | 99   | 1063862  | 135.411 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.275  | 82   | 815417   | 124.997 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.228 | 330  | 640233   | 169.120 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.363 | 172  | 1919478  | 96.944  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.027 | 244  | 3335843  | 109.976 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.493  | 88   | 109304   | 40.994  | ng    | # 41     |
| 3) Pyridine                   | 3.917  | 79   | 260773   | 36.280  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.811  | 42   | 141355   | 52.476  | ng    | 88       |
| 6) Aniline                    | 7.422  | 93   | 228908   | 22.424  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.663  | 128  | 341807   | 52.825  | ng    | 99       |
| 9) Benzaldehyde               | 7.234  | 77   | 150529   | 40.272  | ng    | 96       |
| 10) Phenol                    | 7.281  | 94   | 386993   | 47.323  | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 7.516  | 93   | 327738   | 50.077  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.993  | 146  | 364846   | 50.146  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.140  | 146  | 365524   | 49.736  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.457  | 146  | 367548   | 53.574  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.346  | 79   | 334197m  | 60.629  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.634  | 45   | 358647m  | 51.302  | ng    |          |
| 17) 2-Methylphenol            | 8.546  | 107  | 295538   | 53.107  | ng    | 97       |
| 18) Hexachloroethane          | 9.193  | 117  | 128950   | 50.090  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.916  | 70   | 282343   | 61.402  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.875  | 107  | 405940   | 54.198  | ng    | 96       |
| 22) Acetophenone              | 8.934  | 105  | 570637   | 64.223  | ng    | # 98     |
| 24) Nitrobenzene              | 9.322  | 77   | 403118   | 59.216  | ng    | 99       |
| 25) Isophorone                | 9.846  | 82   | 705529   | 56.122  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.034 | 139  | 190921   | 58.851  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 10.087 | 122  | 310871   | 59.130  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.328 | 93   | 400423   | 49.897  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.569 | 162  | 319861   | 56.706  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.787 | 180  | 347287   | 52.468  | ng    | 100      |
| 31) Naphthalene               | 10.981 | 128  | 952934   | 49.340  | ng    | 99       |
| 32) Benzoic acid              | 10.216 | 122  | 222387   | 53.048  | ng    | 96       |
| 33) 4-Chloroaniline           | 11.093 | 127  | 95145    | 11.732  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.257 | 225  | 247004   | 56.155  | ng    | 98       |
| 35) Caprolactam               | 11.881 | 113  | 83081    | 46.133  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 12.198 | 107  | 382957   | 60.928  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.575 | 142  | 743338   | 53.169  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.793 | 142  | 681155   | 52.058  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.940 | 216  | 451589   | 48.149  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.916 | 237  | 561453   | 112.699 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.175 | 196  | 320931   | 54.699  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.245 | 196  | 351461   | 50.401 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.575 | 154  | 1052735  | 50.083 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.622 | 162  | 825642   | 51.557 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.822 | 65   | 237359   | 51.903 | ng    | 97       |
| 49) Acenaphthylene            | 14.463 | 152  | 1290874  | 51.137 | ng    | 99       |
| 50) Dimethylphthalate         | 14.192 | 163  | 1070272  | 50.575 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.310 | 165  | 232741   | 50.210 | ng    | 98       |
| 52) Acenaphthene              | 14.804 | 154  | 773751   | 50.371 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.645 | 138  | 197917   | 41.397 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.845 | 184  | 300668   | 97.603 | ng    | 96       |
| 55) Dibenzofuran              | 15.139 | 168  | 1278130  | 50.006 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.945 | 139  | 368323   | 97.369 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 15.098 | 165  | 322377   | 51.598 | ng    | 96       |
| 58) Fluorene                  | 15.787 | 166  | 1011025  | 50.448 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.357 | 232  | 331169   | 55.166 | ng    | 99       |
| 60) Diethylphthalate          | 15.551 | 149  | 1058838  | 51.311 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.775 | 204  | 551041   | 50.747 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.810 | 138  | 218294   | 44.283 | ng    | 90       |
| 63) Azobenzene                | 16.069 | 77   | 951056   | 50.941 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.863 | 198  | 192929   | 48.218 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.992 | 169  | 889377   | 51.780 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.675 | 248  | 352315   | 52.638 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.792 | 284  | 403339   | 55.205 | ng    | 99       |
| 69) Atrazine                  | 16.939 | 200  | 323155   | 55.182 | ng    | 99       |
| 70) Pentachlorophenol         | 17.139 | 266  | 534895   | 99.301 | ng    | 99       |
| 71) Phenanthrene              | 17.539 | 178  | 1611268  | 50.720 | ng    | 100      |
| 72) Anthracene                | 17.628 | 178  | 1641097  | 51.664 | ng    | 100      |
| 73) Carbazole                 | 17.892 | 167  | 1460303  | 51.065 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.422 | 149  | 1643274  | 49.045 | ng    | 99       |
| 75) Fluoranthene              | 19.486 | 202  | 2006412  | 50.664 | ng    | 98       |
| 77) Benzidine                 | 19.669 | 184  | 366039   | 31.514 | ng    | 99       |
| 78) Pyrene                    | 19.839 | 202  | 2092451  | 52.467 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.692 | 149  | 809220   | 57.089 | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.551 | 228  | 2181550  | 52.202 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.474 | 252  | 678061   | 51.572 | ng    | 100      |
| 83) Chrysene                  | 21.610 | 228  | 2071357  | 51.164 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.451 | 149  | 1224498  | 55.409 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.421 | 149  | 2339179  | 59.402 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.815 | 276  | 3209520  | 54.087 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 23.333 | 252  | 2635088  | 54.621 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.386 | 252  | 2503721  | 51.127 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.004 | 252  | 2302334  | 49.363 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.833 | 278  | 2677264  | 53.850 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.645 | 276  | 2643167  | 53.765 | ng    | 97       |

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

