

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081224\  
 Data File : BF138954.D  
 Acq On : 13 Aug 2024 01:27  
 Operator : RC/JU  
 Sample : P3543-02MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ARS20-0019MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/13/2024  
 Supervised By :mohammad ahmed 08/13/2024

Quant Time: Aug 13 02:16:03 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 45273    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 187416   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 109876   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 190369   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 94067    | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.463 | 264  | 85424    | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 461747   | 157.440 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.498  | 99   | 599299   | 152.197 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 404292   | 105.468 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.675 | 330  | 156081   | 173.417 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 761545   | 104.137 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.945 | 244  | 745329   | 132.659 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.840  | 88   | 52419m   | 40.824  | ng    |          |
| 3) Pyridine                   | 3.569  | 79   | 59432    | 19.107  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.481  | 42   | 114642   | 61.884  | ng    | 85       |
| 6) Aniline                    | 6.510  | 93   | 62471    | 17.790  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.640  | 128  | 186119   | 60.317  | ng    | 97       |
| 9) Benzaldehyde               | 6.404  | 77   | 5008     | 2.122   | ng    | 88       |
| 10) Phenol                    | 6.510  | 94   | 231899   | 55.935  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.581  | 93   | 176920   | 55.454  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.781  | 146  | 183037   | 52.992  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.857  | 146  | 186707   | 53.563  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.010  | 146  | 178777   | 54.878  | ng    | 100      |
| 15) Benzyl Alcohol            | 6.998  | 79   | 174409   | 61.454  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.110  | 45   | 293910   | 53.530  | ng    | # 49     |
| 17) 2-Methylphenol            | 7.110  | 107  | 153660   | 60.306  | ng    | # 85     |
| 18) Hexachloroethane          | 7.345  | 117  | 70371    | 53.631  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.263  | 70   | 148448   | 62.419  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.269  | 107  | 204924   | 62.684  | ng    | # 66     |
| 22) Acetophenone              | 7.257  | 105  | 262240   | 57.147  | ng    | 98       |
| 24) Nitrobenzene              | 7.428  | 77   | 218448   | 56.003  | ng    | 99       |
| 25) Isophorone                | 7.669  | 82   | 399222   | 60.991  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.745  | 139  | 102566   | 61.117  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.787  | 122  | 134350   | 66.911  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.869  | 93   | 229370   | 57.543  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.992  | 162  | 162969   | 63.163  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.063  | 180  | 166952   | 56.070  | ng    | 99       |
| 31) Naphthalene               | 8.145  | 128  | 553322   | 56.089  | ng    | 100      |
| 32) Benzoic acid              | 7.951  | 122  | 87202    | 55.248  | ng    | 92       |
| 33) 4-Chloroaniline           | 8.210  | 127  | 26774    | 8.085   | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.251  | 225  | 99110    | 54.955  | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 38585m   | 50.118  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.698  | 107  | 190816   | 64.712  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.834  | 142  | 375300   | 60.238  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.934  | 142  | 347271   | 56.882  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.998  | 216  | 158988   | 52.089  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.981  | 237  | 115768   | 137.787 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.122  | 196  | 111222   | 59.765  | ng    | 99       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.175  | 196  | 120505   | 59.233  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.298  | 154  | 454365   | 52.800  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.328  | 162  | 353903   | 55.297  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.434  | 65   | 125781   | 57.972  | ng    | 99       |
| 49) Acenaphthylene            | 9.739  | 152  | 567995   | 62.574  | ng    | 99       |
| 50) Dimethylphthalate         | 9.604  | 163  | 470585   | 66.981  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.675  | 165  | 94880    | 59.840  | ng    | 91       |
| 52) Acenaphthene              | 9.910  | 154  | 351784   | 57.652  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.845  | 138  | 19149    | 11.683  | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.963  | 184  | 104003   | 142.493 | ng    | 90       |
| 55) Dibenzofuran              | 10.086 | 168  | 514953   | 59.785  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.034 | 139  | 83497    | 84.710  | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 10.081 | 165  | 131287   | 64.900  | ng    | # 81     |
| 58) Fluorene                  | 10.428 | 166  | 424195   | 61.844  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.210 | 232  | 103166   | 66.329  | ng    | 95       |
| 60) Diethylphthalate          | 10.298 | 149  | 437130   | 65.620  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204  | 208814   | 61.899  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.463 | 138  | 75690m   | 48.592  | ng    |          |
| 63) Azobenzene                | 10.575 | 77   | 452980   | 61.311  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198  | 77044    | 66.336  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.539 | 169  | 334399   | 56.197  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 122711   | 59.537  | ng    | 97       |
| 68) Hexachlorobenzene         | 10.975 | 284  | 123796   | 58.172  | ng    | 99       |
| 69) Atrazine                  | 11.063 | 200  | 71673    | 46.685  | ng    | 98       |
| 70) Pentachlorophenol         | 11.181 | 266  | 109036   | 113.671 | ng    | 98       |
| 71) Phenanthrene              | 11.392 | 178  | 599467   | 61.155  | ng    | 100      |
| 72) Anthracene                | 11.445 | 178  | 613883   | 63.570  | ng    | 99       |
| 73) Carbazole                 | 11.598 | 167  | 461837   | 55.433  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.916 | 149  | 671299   | 71.675  | ng    | 99       |
| 75) Fluoranthene              | 12.575 | 202  | 556279   | 60.787  | ng    | 99       |
| 77) Benzidine                 | 12.716 | 184  | 7741     | 3.441   | ng    | # 88     |
| 78) Pyrene                    | 12.804 | 202  | 547770   | 61.848  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 205666   | 72.516  | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.992 | 228  | 382614   | 59.067  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.957 | 252  | 12990    | 7.836   | ng    | 99       |
| 83) Chrysene                  | 14.027 | 228  | 352019   | 60.235  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149  | 258684   | 62.287  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 397757   | 51.765  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.945 | 276  | 305142   | 49.845  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.039 | 252  | 352043   | 66.480  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.069 | 252  | 276550   | 60.318  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.404 | 252  | 288727   | 64.821  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.951 | 278  | 253833   | 50.512  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.386 | 276  | 217029   | 41.619  | ng    | 97       |

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

