

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100424\  
 Data File : BF139672.D  
 Acq On : 04 Oct 2024 22:09  
 Operator : RC/JU  
 Sample : P4236-01MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP4MSD

Quant Time: Oct 04 22:57:02 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 02 04:58:47 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/07/2024  
 Supervised By :mohammad ahmed 10/07/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 87667    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.145  | 136  | 322185   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.904  | 164  | 158285   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 253109   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 170633   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.492 | 264  | 138029   | 20.000 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 462088   | 91.358 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.504  | 99   | 602101   | 88.520 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 392618   | 61.699 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 120835   | 79.081 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 691214   | 67.040 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.968 | 244  | 596287   | 57.340 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.734  | 88   | 106545   | 48.722 | ng    | 98       |
| 3) Pyridine                   | 3.475  | 79   | 255164   | 47.978 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.440  | 42   | 177427   | 50.967 | ng    | 98       |
| 6) Aniline                    | 6.528  | 93   | 191522   | 31.731 | ng    | # 66     |
| 8) 2-Chlorophenol             | 6.651  | 128  | 274122   | 50.585 | ng    | 99       |
| 9) Benzaldehyde               | 6.416  | 77   | 99323    | 27.566 | ng    | 98       |
| 10) Phenol                    | 6.516  | 94   | 348054   | 48.664 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 280803   | 48.220 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.804  | 146  | 290907   | 47.719 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.886  | 146  | 293940   | 47.607 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.034  | 146  | 279339   | 48.273 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.010  | 79   | 247436   | 47.611 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139  | 45   | 496636   | 49.263 | ng    | 91       |
| 17) 2-Methylphenol            | 7.122  | 107  | 219725   | 48.569 | ng    | 99       |
| 18) Hexachloroethane          | 7.375  | 117  | 103648   | 45.006 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 205368   | 46.963 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.275  | 107  | 270952   | 47.684 | ng    | 92       |
| 22) Acetophenone              | 7.275  | 105  | 376945   | 49.289 | ng    | 96       |
| 24) Nitrobenzene              | 7.451  | 77   | 313575   | 47.588 | ng    | 99       |
| 25) Isophorone                | 7.686  | 82   | 545678   | 48.280 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.763  | 139  | 142165   | 50.186 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 200377   | 57.781 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 326165   | 48.328 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.010  | 162  | 216434   | 47.849 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.086  | 180  | 236671   | 46.266 | ng    | 99       |
| 31) Naphthalene               | 8.169  | 128  | 774388   | 47.010 | ng    | 99       |
| 32) Benzoic acid              | 7.928  | 122  | 143690   | 41.670 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.233  | 127  | 42982    | 7.708  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.286  | 225  | 154506   | 46.673 | ng    | 99       |
| 35) Caprolactam               | 8.586  | 113  | 68329m   | 46.056 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 227660   | 44.462 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 494246   | 46.068 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 447710   | 42.692 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.027  | 216  | 228034   | 51.881 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.010  | 237  | 121817   | 90.387 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.139  | 196  | 148466   | 50.106 | ng    | 98       |

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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
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Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/07/2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.186  | 196  | 152605   | 47.758 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.322  | 154  | 594045   | 50.459 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.351  | 162  | 436644   | 49.474 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.451  | 65   | 160758   | 50.742 | ng    | 99       |
| 49) Acenaphthylene            | 9.763  | 152  | 690159   | 51.420 | ng    | 100      |
| 50) Dimethylphthalate         | 9.622  | 163  | 531930   | 51.337 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.686  | 165  | 109576   | 46.815 | ng    | 98       |
| 52) Acenaphthene              | 9.939  | 154  | 450140   | 48.853 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.857  | 138  | 71560    | 29.918 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 60894    | 48.370 | ng    | 95       |
| 55) Dibenzofuran              | 10.110 | 168  | 616462   | 47.784 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.027 | 139  | 157772   | 86.496 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.092 | 165  | 136810   | 44.717 | ng    | 98       |
| 58) Fluorene                  | 10.451 | 166  | 458697   | 44.640 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.227 | 232  | 118712   | 45.997 | ng    | 97       |
| 60) Diethylphthalate          | 10.322 | 149  | 522440   | 48.816 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.439 | 204  | 232419   | 45.212 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.469 | 138  | 90688    | 37.066 | ng    | 98       |
| 63) Azobenzene                | 10.604 | 77   | 499809   | 46.438 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 42368    | 29.638 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.563 | 169  | 401170   | 53.771 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248  | 132580   | 51.088 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.998 | 284  | 137935   | 47.899 | ng    | 99       |
| 69) Atrazine                  | 11.086 | 200  | 124422   | 62.157 | ng    | 100      |
| 70) Pentachlorophenol         | 11.192 | 266  | 150025   | 87.493 | ng    | 98       |
| 71) Phenanthrene              | 11.416 | 178  | 591747   | 49.584 | ng    | 100      |
| 72) Anthracene                | 11.463 | 178  | 605397   | 51.276 | ng    | 99       |
| 73) Carbazole                 | 11.621 | 167  | 555906   | 49.023 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.945 | 149  | 715520   | 51.889 | ng    | 100      |
| 75) Fluoranthene              | 12.604 | 202  | 633099   | 48.528 | ng    | 99       |
| 77) Benzidine                 | 12.727 | 184  | 276450   | 91.851 | ng    | 100      |
| 78) Pyrene                    | 12.833 | 202  | 654453   | 42.883 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.445 | 149  | 280571   | 51.398 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.015 | 228  | 578295   | 51.548 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.980 | 252  | 176587   | 51.433 | ng    | 98       |
| 83) Chrysene                  | 14.057 | 228  | 497161   | 48.473 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.004 | 149  | 394889   | 57.932 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.615 | 149  | 650425   | 64.951 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 363172   | 44.703 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.068 | 252  | 432026   | 48.408 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.098 | 252  | 407946   | 53.886 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.433 | 252  | 371730   | 52.824 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 302708   | 44.924 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.409 | 276  | 271409   | 40.163 | ng    | 99       |

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

