

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF090324\  
 Data File : BF139229.D  
 Acq On : 03 Sep 2024 11:53  
 Operator : RC/JU  
 Sample : PB163089BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB163089BSD

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024  
 Supervised By :mohammad ahmed 09/06/2024

Quant Time: Sep 04 01:55:31 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 29 15:46:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 125366   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 471798   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 269629   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 468861   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 241855   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 213367   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 933937   | 119.422 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.522  | 99   | 1214771  | 117.094 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 824709   | 84.028  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 340252   | 125.804 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 1348646  | 77.881  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1445296  | 86.139  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.757  | 88   | 104653   | 30.596  | ng    | 100      |
| 3) Pyridine                   | 3.499  | 79   | 269437   | 30.966  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.463  | 42   | 214932   | 45.704  | ng    | 99       |
| 6) Aniline                    | 6.551  | 93   | 235663   | 24.662  | ng    | # 79     |
| 8) 2-Chlorophenol             | 6.675  | 128  | 357810   | 45.533  | ng    | 99       |
| 9) Benzaldehyde               | 6.440  | 77   | 62161    | 9.396   | ng    | 100      |
| 10) Phenol                    | 6.540  | 94   | 468184   | 43.160  | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 363898   | 45.483  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 387226   | 41.627  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 391168   | 41.618  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 377257   | 42.880  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.034  | 79   | 368321   | 45.589  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 512579   | 45.103  | ng    | 99       |
| 17) 2-Methylphenol            | 7.140  | 107  | 295843   | 44.584  | ng    | 98       |
| 18) Hexachloroethane          | 7.404  | 117  | 139992   | 43.005  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 287960   | 44.609  | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.298  | 107  | 369764   | 42.996  | ng    | 96       |
| 22) Acetophenone              | 7.298  | 105  | 482969   | 40.239  | ng    | 95       |
| 24) Nitrobenzene              | 7.475  | 77   | 433021   | 42.188  | ng    | 99       |
| 25) Isophorone                | 7.710  | 82   | 765409   | 44.997  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 177093   | 48.198  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 253694   | 47.061  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 430999   | 43.518  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 298487   | 43.043  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 329822   | 41.446  | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 1019615  | 42.147  | ng    | 100      |
| 32) Benzoic acid              | 7.951  | 122  | 195153   | 40.753  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 189899   | 22.899  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 212960   | 40.597  | ng    | 99       |
| 35) Caprolactam               | 8.616  | 113  | 85114m   | 41.201  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.722  | 107  | 334247   | 43.907  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 647902   | 42.508  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 599171   | 39.859  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 312910   | 39.048  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 272389   | 97.048  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.163  | 196  | 224831   | 44.110  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.216  | 196  | 233454   | 42.559 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 757708   | 39.210 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 632293   | 41.220 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 227312   | 48.124 | ng    | 97       |
| 49) Acenaphthylene            | 9.792  | 152  | 995012   | 45.633 | ng    | 99       |
| 50) Dimethylphthalate         | 9.657  | 163  | 748364   | 44.326 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.716  | 165  | 165013   | 45.223 | ng    | 99       |
| 52) Acenaphthene              | 9.963  | 154  | 680993   | 46.778 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.881  | 138  | 125500   | 34.916 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 165786   | 84.969 | ng    | # 88     |
| 55) Dibenzofuran              | 10.133 | 168  | 899068   | 42.875 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.039 | 139  | 245973   | 89.499 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 220929   | 48.064 | ng    | 99       |
| 58) Fluorene                  | 10.480 | 166  | 701406   | 42.268 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 198116   | 45.545 | ng    | 98       |
| 60) Diethylphthalate          | 10.351 | 149  | 718501   | 44.526 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 348921   | 41.906 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.498 | 138  | 153534   | 43.501 | ng    | 96       |
| 63) Azobenzene                | 10.628 | 77   | 792734   | 44.571 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 114763   | 49.550 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.592 | 169  | 606943   | 43.585 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 220222   | 43.218 | ng    | 96       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 239633   | 42.997 | ng    | 97       |
| 69) Atrazine                  | 11.116 | 200  | 149813   | 43.253 | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 289114   | 81.982 | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 1039041  | 44.060 | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1034925  | 44.958 | ng    | 99       |
| 73) Carbazole                 | 11.645 | 167  | 891911   | 43.915 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1034277  | 47.630 | ng    | 99       |
| 75) Fluoranthene              | 12.627 | 202  | 1000030  | 43.073 | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 22107    | 4.625  | ng    | 97       |
| 78) Pyrene                    | 12.857 | 202  | 989967   | 42.596 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 293700   | 54.227 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 719182   | 45.403 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 161304   | 38.782 | ng    | 99       |
| 83) Chrysene                  | 14.074 | 228  | 672176   | 45.590 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 294962   | 50.622 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 524216   | 47.565 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.009 | 276  | 756472   | 50.283 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 682293   | 53.390 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 540956   | 48.544 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.463 | 252  | 572826   | 53.159 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 635009   | 50.723 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.456 | 276  | 596471   | 47.272 | ng    | 99       |

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

