

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041823\  
 Data File : BF132904.D  
 Acq On : 18 Apr 2023 16:55  
 Operator : CG\JU  
 Sample : 02371-18MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-16-COMPMS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/19/2023  
 Supervised By :Jagrut Upadhyay 04/19/2023

Quant Time: Apr 18 17:38:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF041723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 18 04:51:21 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.763  | 152  | 244894   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.051  | 136  | 982301   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.804  | 164  | 502785   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.286 | 188  | 928503   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.921 | 240  | 669371   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.351 | 264  | 655038   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.369  | 112  | 1602249  | 102.305 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.392  | 99   | 2193773  | 109.773 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.328  | 82   | 1340512  | 71.133  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.592 | 330  | 505928   | 100.324 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.127  | 172  | 2123375  | 64.878  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.868 | 244  | 2446612  | 62.359  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.487  | 88   | 328256   | 42.954  | ng    | 98       |
| 3) Pyridine                   | 3.210  | 79   | 832384   | 39.826  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.146  | 42   | 469996   | 47.326  | ng    | 98       |
| 6) Aniline                    | 6.422  | 93   | 1021574  | 38.546  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.545  | 128  | 758583   | 47.744  | ng    | 98       |
| 9) Benzaldehyde               | 6.310  | 77   | 504288   | 42.648  | ng    | 100      |
| 10) Phenol                    | 6.410  | 94   | 1063364  | 47.323  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.498  | 93   | 769246   | 45.329  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.704  | 146  | 815736   | 46.710  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.781  | 146  | 817783   | 46.734  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.934  | 146  | 788862   | 48.282  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.904  | 79   | 667202   | 48.715  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.045  | 45   | 1364385  | 46.464  | ng    | 99       |
| 17) 2-Methylphenol            | 7.016  | 107  | 644587   | 44.293  | ng    | 98       |
| 18) Hexachloroethane          | 7.281  | 117  | 282022   | 46.439  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.181  | 70   | 555146   | 44.503  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.175  | 107  | 775314   | 45.075  | ng    | # 80     |
| 22) Acetophenone              | 7.175  | 105  | 1037715  | 45.032  | ng    | # 98     |
| 24) Nitrobenzene              | 7.345  | 77   | 840474   | 43.512  | ng    | 98       |
| 25) Isophorone                | 7.586  | 82   | 1544879  | 43.218  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.663  | 139  | 376535   | 51.674  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.704  | 122  | 688402   | 46.313  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.804  | 93   | 918502   | 42.976  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.904  | 162  | 625034   | 45.176  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 7.992  | 180  | 662215   | 44.329  | ng    | 99       |
| 31) Naphthalene               | 8.069  | 128  | 2175080  | 43.818  | ng    | 99       |
| 32) Benzoic acid              | 7.810  | 122  | 325722   | 43.698  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.116  | 127  | 339521   | 16.700  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.192  | 225  | 361097   | 42.252  | ng    | 98       |
| 35) Caprolactam               | 8.492  | 113  | 224285m  | 54.436  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.598  | 107  | 672534   | 46.312  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.763  | 142  | 1416941  | 41.471  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.863  | 142  | 1329068  | 41.748  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.933  | 216  | 608724   | 42.804  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.922  | 237  | 683976   | 91.250  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.039  | 196  | 420532   | 46.649  | ng    | 98       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.075  | 196  | 455643   | 43.224  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.227  | 154  | 1756770  | 44.076  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.251  | 162  | 1316542  | 44.636  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.345  | 65   | 431548   | 50.575  | ng    | 92       |
| 49) Acenaphthylene            | 9.663  | 152  | 2071801  | 44.040  | ng    | 99       |
| 50) Dimethylphthalate         | 9.527  | 163  | 1560042  | 44.879  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.586  | 165  | 349470   | 45.855  | ng    | 92       |
| 52) Acenaphthene              | 9.839  | 154  | 1432975  | 47.269  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.751  | 138  | 288222   | 33.234  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.857  | 184  | 303766   | 102.318 | ng    | 93       |
| 55) Dibenzofuran              | 10.010 | 168  | 1883102  | 43.782  | ng    | 98       |
| 56) 4-Nitrophenol             | 9.910  | 139  | 683031   | 106.023 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 9.992  | 165  | 478691   | 50.892  | ng    | 89       |
| 58) Fluorene                  | 10.351 | 166  | 1403678  | 44.552  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.122 | 232  | 390962   | 47.788  | ng    | 99       |
| 60) Diethylphthalate          | 10.233 | 149  | 1469314  | 45.235  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.345 | 204  | 687916   | 42.927  | ng    | 95       |
| 62) 4-Nitroaniline            | 10.369 | 138  | 409989   | 49.185  | ng    | 94       |
| 63) Azobenzene                | 10.504 | 77   | 1731488  | 47.721  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.392 | 198  | 214501   | 48.238  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.463 | 169  | 1289531  | 42.643  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.833 | 248  | 445791   | 42.045  | ng    | 95       |
| 68) Hexachlorobenzene         | 10.898 | 284  | 497205   | 45.201  | ng    | 94       |
| 69) Atrazine                  | 10.992 | 200  | 436035   | 51.588  | ng    | 98       |
| 70) Pentachlorophenol         | 11.092 | 266  | 588262   | 82.875  | ng    | 99       |
| 71) Phenanthrene              | 11.310 | 178  | 2184148  | 43.733  | ng    | 99       |
| 72) Anthracene                | 11.363 | 178  | 2230933  | 43.636  | ng    | 99       |
| 73) Carbazole                 | 11.516 | 167  | 2038558  | 46.082  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.857 | 149  | 2300455  | 48.510  | ng    | 99       |
| 75) Fluoranthene              | 12.498 | 202  | 2351107  | 47.339  | ng    | 98       |
| 77) Benzidine                 | 12.621 | 184  | 1230403  | 117.999 | ng    | 97       |
| 78) Pyrene                    | 12.721 | 202  | 2437142  | 44.527  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.351 | 149  | 693549   | 52.026  | ng    | 92       |
| 81) Benzo(a)anthracene        | 13.910 | 228  | 2063301  | 45.325  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.874 | 252  | 418703   | 38.024  | ng    | 99       |
| 83) Chrysene                  | 13.951 | 228  | 1937116  | 42.813  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.915 | 149  | 1020325  | 58.933  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.527 | 149  | 1951313  | 51.341  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.751 | 276  | 1957664  | 52.303  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 14.945 | 252  | 1943252  | 47.626  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 14.974 | 252  | 1752460  | 43.115  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.292 | 252  | 1610370  | 43.200  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.768 | 278  | 1624470  | 50.937  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.174 | 276  | 1608205  | 52.667  | ng    | 99       |

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

