

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030725\  
 Data File : BF141894.D  
 Acq On : 07 Mar 2025 18:59  
 Operator : RC/JU  
 Sample : Q1488-02MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-101-SB01MSD

Manual Integrations  
 APPROVED

Reviewed By :Anahy  
 Claudio

Quant Time: Mar 07 21:46:52 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |                                   |
|-------------------------------|--------|------|----------|---------|-------|----------|-----------------------------------|
| Internal Standards            |        |      |          |         |       |          | 03/10/2025                        |
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 134345   | 20.000  | ng    | 0.00     | Supervised By :Jagrut<br>Opadhyay |
| 21) Naphthalene-d8            | 8.169  | 136  | 510741   | 20.000  | ng    | # 0.00   |                                   |
| 39) Acenaphthene-d10          | 9.922  | 164  | 263683   | 20.000  | ng    | 0.00     |                                   |
| 64) Phenanthrene-d10          | 11.404 | 188  | 403770   | 20.000  | ng    | # 0.00   |                                   |
| 76) Chrysene-d12              | 14.039 | 240  | 354164   | 20.000  | ng    | -0.01    |                                   |
| 86) Perylene-d12              | 15.515 | 264  | 380393   | 20.000  | ng    | 0.00     | 03/10/2025                        |
| System Monitoring Compounds   |        |      |          |         |       |          |                                   |
| 5) 2-Fluorophenol             | 5.516  | 112  | 1028686  | 122.282 | ng    | 0.02     |                                   |
| 7) Phenol-d6                  | 6.510  | 99   | 1205472  | 110.094 | ng    | 0.00     |                                   |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 896395   | 112.185 | ng    | 0.00     |                                   |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 432585   | 174.746 | ng    | 0.00     |                                   |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 1677614  | 102.015 | ng    | 0.00     |                                   |
| 79) Terphenyl-d14             | 12.986 | 244  | 1673540  | 76.452  | ng    | -0.01    |                                   |
| Target Compounds              |        |      |          |         |       |          | Qvalue                            |
| 2) 1,4-Dioxane                | 2.804  | 88   | 130927   | 34.300  | ng    | # 81     |                                   |
| 3) Pyridine                   | 3.528  | 79   | 291474   | 30.690  | ng    | 94       |                                   |
| 4) n-Nitrosodimethylamine     | 3.463  | 42   | 160531   | 35.129  | ng    | # 96     |                                   |
| 6) Aniline                    | 6.551  | 93   | 254074   | 22.320  | ng    | 100      |                                   |
| 8) 2-Chlorophenol             | 6.669  | 128  | 371175   | 40.787  | ng    | 95       |                                   |
| 9) Benzaldehyde               | 6.439  | 77   | 75536    | 11.860  | ng    | 97       |                                   |
| 10) Phenol                    | 6.522  | 94   | 392161   | 33.517  | ng    | 95       |                                   |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 324729   | 36.409  | ng    | 95       |                                   |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 367281   | 37.687  | ng    | 99       |                                   |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 370754   | 37.756  | ng    | 100      |                                   |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 360428   | 39.307  | ng    | 99       |                                   |
| 15) Benzyl Alcohol            | 7.022  | 79   | 333525   | 38.114  | ng    | 99       |                                   |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 387872   | 28.636  | ng    | 94       |                                   |
| 17) 2-Methylphenol            | 7.134  | 107  | 290487   | 38.672  | ng    | 98       |                                   |
| 18) Hexachloroethane          | 7.398  | 117  | 137227   | 37.337  | ng    | 98       |                                   |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 252681   | 35.105  | ng    | 98       |                                   |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 376329   | 40.234  | ng    | 96       |                                   |
| 22) Acetophenone              | 7.292  | 105  | 563087   | 45.267  | ng    | 98       |                                   |
| 24) Nitrobenzene              | 7.463  | 77   | 387430   | 45.279  | ng    | 99       |                                   |
| 25) Isophorone                | 7.704  | 82   | 691206   | 40.266  | ng    | 97       |                                   |
| 26) 2-Nitrophenol             | 7.781  | 139  | 186144   | 48.633  | ng    | 97       |                                   |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 315518   | 50.002  | ng    | 97       |                                   |
| 28) bis(2-Chloroethoxy)met... | 7.910  | 93   | 414927   | 37.892  | ng    | 99       |                                   |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 316269   | 43.446  | ng    | 99       |                                   |
| 30) 1,2,4-Trichlorobenzene    | 8.104  | 180  | 327544   | 41.062  | ng    | 99       |                                   |
| 31) Naphthalene               | 8.186  | 128  | 1053250  | 40.124  | ng    | 99       |                                   |
| 32) Benzoic acid              | 7.910  | 122  | 208873   | 40.996  | ng    | 98       |                                   |
| 33) 4-Chloroaniline           | 8.233  | 127  | 110589   | 11.490  | ng    | 97       |                                   |
| 34) Hexachlorobutadiene       | 8.304  | 225  | 209578   | 42.280  | ng    | 99       |                                   |
| 35) Caprolactam               | 8.592  | 113  | 92720m   | 41.403  | ng    |          |                                   |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 342009   | 42.293  | ng    | 99       |                                   |
| 37) 2-Methylnaphthalene       | 8.875  | 142  | 668844   | 38.846  | ng    | 99       |                                   |
| 38) 1-Methylnaphthalene       | 8.975  | 142  | 659348   | 39.910  | ng    | 99       |                                   |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 384500   | 50.489  | ng    | 99       |                                   |
| 41) Hexachlorocyclopentadiene | 9.033  | 237  | 354394   | 111.510 | ng    | 98       |                                   |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 229240   | 46.600  | ng    | 99       |                                   |

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| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 245109   | 50.318  | ng    | 99       | 03/10/2025                     |
| 46) 1,1'-Biphenyl             | 9.339  | 154  | 988985   | 49.276  | ng    | 98       | Supervised By :Jagrut Upadhyay |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 659104   | 44.493  | ng    | 99       |                                |
| 48) 2-Nitroaniline            | 9.457  | 65   | 206180   | 50.590  | ng    | 94       |                                |
| 49) Acenaphthylene            | 9.780  | 152  | 1040851  | 46.864  | ng    | 99       |                                |
| 50) Dimethylphthalate         | 9.639  | 163  | 812721   | 46.025  | ng    | 100      |                                |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 175263   | 51.654  | ng    | 94       | 03/10/2025                     |
| 52) Acenaphthene              | 9.951  | 154  | 722307   | 48.198  | ng    | 98       |                                |
| 53) 3-Nitroaniline            | 9.869  | 138  | 97436    | 28.372  | ng    | # 95     |                                |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 137236   | 86.130  | ng    | # 1      |                                |
| 55) Dibenzofuran              | 10.127 | 168  | 933866   | 42.813  | ng    | 100      |                                |
| 56) 4-Nitrophenol             | 10.022 | 139  | 270754   | 103.815 | ng    | 94       |                                |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 235820   | 56.481  | ng    | 91       |                                |
| 58) Fluorene                  | 10.469 | 166  | 726575   | 44.469  | ng    | 99       |                                |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 204200   | 48.200  | ng    | 99       |                                |
| 60) Diethylphthalate          | 10.339 | 149  | 775577   | 43.812  | ng    | 99       |                                |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204  | 367966   | 44.949  | ng    | 98       |                                |
| 62) 4-Nitroaniline            | 10.480 | 138  | 156047   | 51.746  | ng    | 97       |                                |
| 63) Azobenzene                | 10.622 | 77   | 705547   | 37.853  | ng    | 97       |                                |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 94537    | 49.429  | ng    | 86       |                                |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 640239   | 48.289  | ng    | 99       |                                |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 222564   | 47.191  | ng    | 98       |                                |
| 68) Hexachlorobenzene         | 11.016 | 284  | 248851   | 49.968  | ng    | 95       |                                |
| 69) Atrazine                  | 11.104 | 200  | 241903   | 66.347  | ng    | 98       |                                |
| 70) Pentachlorophenol         | 11.204 | 266  | 313151   | 99.142  | ng    | 99       |                                |
| 71) Phenanthrene              | 11.427 | 178  | 987200   | 45.709  | ng    | 100      |                                |
| 72) Anthracene                | 11.480 | 178  | 1008649  | 46.598  | ng    | 99       |                                |
| 73) Carbazole                 | 11.633 | 167  | 873000   | 45.671  | ng    | 99       |                                |
| 74) Di-n-butylphthalate       | 11.963 | 149  | 1068561  | 44.102  | ng    | 99       |                                |
| 75) Fluoranthene              | 12.616 | 202  | 991365   | 44.797  | ng    | 96       |                                |
| 77) Benzidine                 | 12.733 | 184  | 318211   | 71.385  | ng    | 100      |                                |
| 78) Pyrene                    | 12.845 | 202  | 1030931  | 33.615  | ng    | 98       |                                |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 408177   | 36.632  | ng    | 96       |                                |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 1056782  | 45.175  | ng    | 99       |                                |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 254664   | 37.944  | ng    | 99       |                                |
| 83) Chrysene                  | 14.068 | 228  | 931717   | 43.206  | ng    | 99       |                                |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 551160   | 39.726  | ng    | 100      |                                |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 997945   | 48.045  | ng    | 95       |                                |
| 87) Indeno(1,2,3-cd)pyrene    | 17.003 | 276  | 890859   | 36.779  | ng    | 95       |                                |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 1102180  | 42.537  | ng    | 98       |                                |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 956534m  | 43.432  | ng    |          |                                |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 972786   | 46.812  | ng    | 98       |                                |
| 91) Dibenzo(a,h)anthracene    | 17.021 | 278  | 740740   | 37.465  | ng    | # 95     |                                |
| 92) Benzo(g,h,i)perylene      | 17.451 | 276  | 622794   | 30.747  | ng    | 95       |                                |

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

