

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072523\  
 Data File : BF134470.D  
 Acq On : 25 Jul 2023 19:13  
 Operator : CG\JU  
 Sample : 03580-01MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE-1MSD

Quant Time: Jul 26 02:05:22 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 01:46:04 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/26/2023  
 Supervised By :mohammad ahmed 07/26/2023

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.833  | 152  | 103057   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 335314   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.874  | 164  | 137475   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.368 | 188  | 223884   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 146875   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 117171   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 626513   | 100.441 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.486  | 99   | 707224   | 92.541  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 558703   | 84.301  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 203224   | 104.043 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 1118677  | 106.826 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.962 | 244  | 838046   | 99.605  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.798  | 88   | 130157   | 49.194  | ng    | # 78     |
| 3) Pyridine                   | 3.551  | 79   | 196969   | 33.166  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.475  | 42   | 168492   | 48.007  | ng    | # 81     |
| 6) Aniline                    | 6.504  | 93   | 120137   | 13.338  | ng    | # 2      |
| 8) 2-Chlorophenol             | 6.628  | 128  | 265882   | 42.076  | ng    | 93       |
| 9) Benzaldehyde               | 6.392  | 77   | 82149    | 20.073  | ng    | 99       |
| 10) Phenol                    | 6.498  | 94   | 241583   | 30.382  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.575  | 93   | 253668   | 45.699  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.775  | 146  | 260467   | 38.331  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.851  | 146  | 269712   | 38.569  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.004  | 146  | 243198   | 37.023  | ng    | 95       |
| 15) Benzyl Alcohol            | 6.986  | 79   | 247251   | 41.903  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.110  | 45   | 336773   | 41.198  | ng    | 85       |
| 17) 2-Methylphenol            | 7.098  | 107  | 189906   | 33.697  | ng    | 94       |
| 18) Hexachloroethane          | 7.339  | 117  | 94021    | 34.997  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.251  | 70   | 197646   | 41.544  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.251  | 107  | 270911   | 37.545  | ng    | # 87     |
| 22) Acetophenone              | 7.245  | 105  | 376805   | 45.184  | ng    | # 91     |
| 24) Nitrobenzene              | 7.422  | 77   | 260110   | 39.464  | ng    | 98       |
| 25) Isophorone                | 7.657  | 82   | 516224   | 46.736  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.733  | 139  | 102330   | 33.755  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.775  | 122  | 184024   | 38.466  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.863  | 93   | 254688   | 41.426  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.980  | 162  | 184543   | 38.588  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.057  | 180  | 200741   | 38.914  | ng    | 99       |
| 31) Naphthalene               | 8.139  | 128  | 665634   | 39.887  | ng    | 100      |
| 32) Benzoic acid              | 7.916  | 122  | 115717   | 36.212  | ng    | # 80     |
| 33) 4-Chloroaniline           | 8.192  | 127  | 69311    | 10.048  | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 136126   | 39.390  | ng    | 95       |
| 35) Caprolactam               | 8.569  | 113  | 59120m   | 40.429  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.686  | 107  | 226608   | 41.066  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.827  | 142  | 476906   | 41.130  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.927  | 142  | 456439   | 42.432  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 8.992  | 216  | 228178   | 52.375  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 41939    | 38.679  | ng    | 91       |
| 43) 2,4,6-Trichlorophenol     | 9.116  | 196  | 141558   | 50.650  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|--|
| 44) 2,4,5-Trichlorophenol     | 9.163  | 196  | 156486   | 48.057 | ng    | 99       |  |
| 46) 1,1'-Biphenyl             | 9.292  | 154  | 486239   | 42.914 | ng    | 98       |  |
| 47) 2-Chloronaphthalene       | 9.322  | 162  | 352222   | 42.166 | ng    | 99       |  |
| 48) 2-Nitroaniline            | 9.427  | 65   | 125464   | 41.705 | ng    | 94       |  |
| 49) Acenaphthylene            | 9.733  | 152  | 547983   | 38.832 | ng    | 99       |  |
| 50) Dimethylphthalate         | 9.598  | 163  | 447721   | 43.933 | ng    | 99       |  |
| 51) 2,6-Dinitrotoluene        | 9.663  | 165  | 83302    | 37.253 | ng    | 96       |  |
| 52) Acenaphthene              | 9.910  | 154  | 329317   | 39.504 | ng    | 99       |  |
| 53) 3-Nitroaniline            | 9.839  | 138  | 83545    | 32.586 | ng    | 99       |  |
| 54) 2,4-Dinitrophenol         | 9.957  | 184  | 10898    | 15.096 | ng    | 93       |  |
| 55) Dibenzofuran              | 10.080 | 168  | 489452   | 38.148 | ng    | 99       |  |
| 56) 4-Nitrophenol             | 10.016 | 139  | 99340    | 72.659 | ng    | 92       |  |
| 57) 2,4-Dinitrotoluene        | 10.074 | 165  | 100190   | 33.358 | ng    | # 88     |  |
| 58) Fluorene                  | 10.427 | 166  | 382044   | 36.910 | ng    | 100      |  |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232  | 92717    | 37.060 | ng    | # 87     |  |
| 60) Diethylphthalate          | 10.298 | 149  | 446839   | 42.350 | ng    | 99       |  |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204  | 196923   | 39.826 | ng    | 98       |  |
| 62) 4-Nitroaniline            | 10.457 | 138  | 78296    | 29.766 | ng    | 95       |  |
| 63) Azobenzene                | 10.574 | 77   | 364013   | 37.481 | ng    | 95       |  |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198  | 9580     | 7.460  | ng    | 97       |  |
| 66) n-Nitrosodiphenylamine    | 10.539 | 169  | 331248   | 46.504 | ng    | 100      |  |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 110086   | 44.878 | ng    | # 88     |  |
| 68) Hexachlorobenzene         | 10.974 | 284  | 120336   | 43.564 | ng    | 99       |  |
| 69) Atrazine                  | 11.068 | 200  | 99714    | 50.211 | ng    | 97       |  |
| 70) Pentachlorophenol         | 11.174 | 266  | 106582   | 91.943 | ng    | 98       |  |
| 71) Phenanthrene              | 11.392 | 178  | 480496   | 41.077 | ng    | 99       |  |
| 72) Anthracene                | 11.445 | 178  | 475197   | 39.360 | ng    | 99       |  |
| 73) Carbazole                 | 11.604 | 167  | 444287   | 39.079 | ng    | 100      |  |
| 74) Di-n-butylphthalate       | 11.927 | 149  | 595589   | 45.636 | ng    | 99       |  |
| 75) Fluoranthene              | 12.592 | 202  | 497906   | 36.522 | ng    | 99       |  |
| 77) Benzidine                 | 12.715 | 184  | 52289    | 16.673 | ng    | 98       |  |
| 78) Pyrene                    | 12.821 | 202  | 515094   | 44.107 | ng    | 100      |  |
| 80) Butylbenzylphthalate      | 13.439 | 149  | 226658   | 48.452 | ng    | 96       |  |
| 81) Benzo(a)anthracene        | 14.021 | 228  | 420480   | 41.034 | ng    | 99       |  |
| 82) 3,3'-Dichlorobenzidine    | 13.980 | 252  | 139314   | 42.924 | ng    | 98       |  |
| 83) Chrysene                  | 14.057 | 228  | 382394   | 39.015 | ng    | 99       |  |
| 84) Bis(2-ethylhexyl)phtha... | 13.998 | 149  | 314036   | 55.257 | ng    | 99       |  |
| 85) Di-n-octyl phthalate      | 14.615 | 149  | 490686   | 62.129 | ng    | 99       |  |
| 87) Indeno(1,2,3-cd)pyrene    | 17.086 | 276  | 302982   | 39.580 | ng    | 100      |  |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 322635   | 44.014 | ng    | 99       |  |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 310266   | 43.040 | ng    | 98       |  |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 258651   | 38.174 | ng    | 99       |  |
| 91) Dibenzo(a,h)anthracene    | 17.092 | 278  | 255881   | 41.392 | ng    | 99       |  |
| 92) Benzo(g,h,i)perylene      | 17.550 | 276  | 234857   | 36.999 | ng    | 99       |  |

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

