

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110320\  
 Data File : BF122242.D  
 Acq On : 3 Nov 2020 16:01  
 Operator : JU/CG  
 Sample : L4609-01MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 12016MSD

Quant Time: Nov 04 01:03:53 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 30 10:16:54 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.704  | 152  | 81979    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8            | 7.992  | 136  | 323377   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.745  | 164  | 164872   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.233 | 188  | 307739   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.880 | 240  | 200753   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.321 | 264  | 201628   | 20.00 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.340  | 112  | 529964   | 95.41 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.369  | 99   | 641971   | 89.78 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.281  | 82   | 416694   | 66.08 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.545 | 330  | 180798   | 88.65 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.069  | 172  | 682548   | 60.91 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.816 | 244  | 666373   | 63.26 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.428  | 88   | 89362    | 36.58 | ng    | 98       |
| 3) Pyridine                   | 3.157  | 79   | 238390   | 37.11 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.116  | 42   | 124771   | 40.19 | ng    | 93       |
| 6) Aniline                    | 6.381  | 93   | 157124   | 17.85 | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.504  | 128  | 230091   | 40.98 | ng    | 100      |
| 9) Benzaldehyde               | 6.275  | 77   | 62802    | 12.30 | ng    | 99       |
| 10) Phenol                    | 6.387  | 94   | 303543   | 41.14 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.445  | 93   | 231299   | 40.55 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.645  | 146  | 251763   | 39.87 | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.722  | 146  | 253800   | 40.03 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.875  | 146  | 236449   | 40.80 | ng    | 97       |
| 15) Benzyl Alcohol            | 6.875  | 79   | 199615   | 43.16 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 6.987  | 45   | 351474   | 40.04 | ng    | # 41     |
| 17) 2-Methylphenol            | 6.992  | 107  | 189692   | 39.52 | ng    | # 89     |
| 18) Hexachloroethane          | 7.210  | 117  | 93057    | 40.63 | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.134  | 70   | 174456   | 42.85 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.151  | 107  | 261314   | 45.15 | ng    | # 58     |
| 22) Acetophenone              | 7.128  | 105  | 327444   | 39.35 | ng    | # 90     |
| 24) Nitrobenzene              | 7.298  | 77   | 264580   | 39.26 | ng    | 96       |
| 25) Isophorone                | 7.540  | 82   | 451808   | 37.89 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.616  | 139  | 122547   | 39.48 | ng    | # 87     |
| 27) 2,4-Dimethylphenol        | 7.663  | 122  | 200787   | 37.95 | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 7.745  | 93   | 281792   | 37.78 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.881  | 162  | 192029   | 38.76 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 7.934  | 180  | 199501   | 37.87 | ng    | 99       |
| 31) Naphthalene               | 8.016  | 128  | 668465   | 38.59 | ng    | 100      |
| 32) Benzoic acid              | 7.845  | 122  | 98764    | 35.11 | ng    | 98       |
| 33) 4-Chloroaniline           | 8.087  | 127  | 94492    | 12.81 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.122  | 225  | 122467   | 39.20 | ng    | 99       |
| 35) Caprolactam               | 8.463  | 113  | 62558    | 39.76 | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.581  | 107  | 214513   | 40.31 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.704  | 142  | 429840   | 38.31 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.804  | 142  | 396604   | 38.17 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.875  | 216  | 203999   | 38.34 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 8.851  | 237  | 42710    | 39.68 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 8.998  | 196  | 126287   | 38.46 | ng    | 98       |

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| 44) 2,4,5-Trichlorophenol     | 9.057  | 196  | 125129   | 35.29  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.169  | 154  | 518328   | 38.66  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.198  | 162  | 404318   | 38.78  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.310  | 65   | 144630   | 42.06  | ng    | 96       |
| 49) Acenaphthylene            | 9.610  | 152  | 615956   | 38.47  | ng    | 100      |
| 50) Dimethylphthalate         | 9.475  | 163  | 569187   | 47.21  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.551  | 165  | 104612   | 39.56  | ng    | 93       |
| 52) Acenaphthene              | 9.781  | 154  | 371798   | 39.04  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.728  | 138  | 55696    | 18.52  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.857  | 184  | 63736    | 50.79  | ng    | # 85     |
| 55) Dibenzofuran              | 9.951  | 168  | 549624   | 39.46  | ng    | 93       |
| 56) 4-Nitrophenol             | 9.951  | 139  | 343902   | 210.19 | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.963  | 165  | 139891   | 42.97  | ng    | 95       |
| 58) Fluorene                  | 10.298 | 166  | 452699   | 40.34  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.086 | 232  | 114622   | 41.78  | ng    | 94       |
| 60) Diethylphthalate          | 10.169 | 149  | 468668   | 40.31  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.286 | 204  | 213420   | 39.66  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.345 | 138  | 98025    | 32.62  | ng    | 89       |
| 63) Azobenzene                | 10.445 | 77   | 485479   | 39.49  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.381 | 198  | 58940    | 30.38  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.410 | 169  | 408132   | 38.50  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.775 | 248  | 140073   | 39.40  | ng    | 99       |
| 68) Hexachlorobenzene         | 10.845 | 284  | 156099   | 38.79  | ng    | 99       |
| 69) Atrazine                  | 10.939 | 200  | 111701   | 43.09  | ng    | 98       |
| 70) Pentachlorophenol         | 11.057 | 266  | 87025    | 57.48  | ng    | 99       |
| 71) Phenanthrene              | 11.257 | 178  | 736627   | 43.66  | ng    | 99       |
| 72) Anthracene                | 11.310 | 178  | 701340   | 40.07  | ng    | 99       |
| 73) Carbazole                 | 11.475 | 167  | 603704   | 38.80  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.792 | 149  | 729996   | 40.78  | ng    | 99       |
| 75) Fluoranthene              | 12.451 | 202  | 830219   | 45.89  | ng    | 98       |
| 77) Benzidine                 | 12.586 | 184  | 181095   | 29.26  | ng    | 99       |
| 78) Pyrene                    | 12.680 | 202  | 793637   | 51.88  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.286 | 149  | 274003   | 45.16  | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.874 | 228  | 568949   | 43.25  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.833 | 252  | 100302   | 20.55  | ng    | 99       |
| 83) Chrysene                  | 13.910 | 228  | 546400   | 42.31  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.845 | 149  | 519121   | 63.03  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.451 | 149  | 564410   | 42.36  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.745 | 276  | 615804   | 47.04  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 14.910 | 252  | 588859   | 43.21  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 14.939 | 252  | 456627   | 35.27  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.263 | 252  | 489647   | 41.60  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.745 | 278  | 493973   | 45.83  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.168 | 276  | 535650   | 49.65  | ng    | 98       |

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

