

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122320\  
 Data File : BF122840.D  
 Acq On : 23 Dec 2020 19:35  
 Operator : JU/CG  
 Sample : L5176-04MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT-27339MSD

Manual Integrations  
 APPROVED

mohammad  
 12/24/2020 10:43:15 AM

Quant Time: Dec 24 02:58:48 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 15 18:14:23 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 150493   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 592232   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 312453   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 589678   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.992 | 240  | 485842   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.445 | 264  | 509595   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.457  | 112  | 1062572  | 111.78 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.463  | 99   | 1234820  | 97.95  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 919156   | 77.76  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 481904   | 117.83 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 1719829  | 74.45  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 2082042  | 75.01  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.722  | 88   | 167855   | 37.57  | ng    | # 84     |
| 3) Pyridine                   | 3.434  | 79   | 350207   | 29.65  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.369  | 42   | 203441   | 42.96  | ng    | 99       |
| 6) Aniline                    | 6.487  | 93   | 281396   | 18.96  | ng    | # 88     |
| 8) 2-Chlorophenol             | 6.610  | 128  | 496502   | 47.39  | ng    | 96       |
| 9) Benzaldehyde               | 6.369  | 77   | 95488    | 12.51  | ng    | 97       |
| 10) Phenol                    | 6.475  | 94   | 496189   | 37.98  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 6.557  | 93   | 471207   | 47.21  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.763  | 146  | 517558   | 41.75  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.840  | 146  | 528473   | 42.28  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 6.987  | 146  | 504100   | 41.78  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.969  | 79   | 410373   | 47.27  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098  | 45   | 570382   | 40.08  | ng    | 90       |
| 17) 2-Methylphenol            | 7.081  | 107  | 382449   | 45.92  | ng    | 97       |
| 18) Hexachloroethane          | 7.334  | 117  | 187453   | 42.08  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.240  | 70   | 325834   | 45.12  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.234  | 107  | 451453   | 42.91  | ng    | # 84     |
| 22) Acetophenone              | 7.234  | 105  | 629204   | 42.73  | ng    | # 97     |
| 24) Nitrobenzene              | 7.404  | 77   | 506089   | 43.04  | ng    | 98       |
| 25) Isophorone                | 7.645  | 82   | 939566   | 46.15  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.722  | 139  | 272051   | 47.44  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 7.763  | 122  | 427271   | 50.83  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.857  | 93   | 595711   | 42.73  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.969  | 162  | 428076   | 43.61  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 455076   | 40.92  | ng    | 100      |
| 31) Naphthalene               | 8.128  | 128  | 1393001  | 42.62  | ng    | 100      |
| 32) Benzoic acid              | 7.910  | 122  | 274230   | 40.94  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.175  | 127  | 157281   | 11.51  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.239  | 225  | 254687   | 37.20  | ng    | 99       |
| 35) Caprolactam               | 8.557  | 113  | 102126m  | 34.54  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.669  | 107  | 448927   | 46.43  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.816  | 142  | 955390   | 44.19  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 883578   | 43.21  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 451486   | 43.62  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.969  | 237  | 374639   | 81.87  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 311205   | 43.54  | ng    | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.145  | 196  | 341924   | 46.28  | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.281  | 154  | 1160234  | 44.74  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 918669   | 42.76  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.404  | 65   | 268408   | 42.85  | ng    | 92       |
| 49) Acenaphthylene            | 9.722  | 152  | 1421865  | 44.81  | ng    | 100      |
| 50) Dimethylphthalate         | 9.586  | 163  | 1255463  | 50.31  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.651  | 165  | 261511   | 49.62  | ng    | 99       |
| 52) Acenaphthene              | 9.892  | 154  | 827066   | 40.28  | ng    | 98       |
| 53) 3-Nitroaniline            | 9.816  | 138  | 122782   | 20.16  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.934  | 184  | 268975   | 104.39 | ng    | 93       |
| 55) Dibenzofuran              | 10.069 | 168  | 1275893  | 44.18  | ng    | 100      |
| 56) 4-Nitrophenol             | 9.992  | 139  | 334064   | 76.93  | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 10.057 | 165  | 335242   | 47.75  | ng    | 99       |
| 58) Fluorene                  | 10.410 | 166  | 934553   | 40.68  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 283018   | 43.60  | ng    | 99       |
| 60) Diethylphthalate          | 10.286 | 149  | 1069107  | 44.05  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204  | 462359   | 40.88  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.439 | 138  | 237992   | 38.50  | ng    | 95       |
| 63) Azobenzene                | 10.563 | 77   | 950801   | 42.62  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.469 | 198  | 177725   | 49.43  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.522 | 169  | 878062   | 42.14  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248  | 331057   | 41.43  | ng    | # 91     |
| 68) Hexachlorobenzene         | 10.963 | 284  | 361945   | 40.97  | ng    | 93       |
| 69) Atrazine                  | 11.051 | 200  | 271633   | 40.14  | ng    | 100      |
| 70) Pentachlorophenol         | 11.157 | 266  | 397554   | 84.95  | ng    | 99       |
| 71) Phenanthrene              | 11.375 | 178  | 1509339  | 43.07  | ng    | 100      |
| 72) Anthracene                | 11.428 | 178  | 1582639  | 45.54  | ng    | 99       |
| 73) Carbazole                 | 11.580 | 167  | 1455107  | 46.17  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 1803824  | 45.55  | ng    | 99       |
| 75) Fluoranthene              | 12.563 | 202  | 1654466  | 45.02  | ng    | 99       |
| 77) Benzidine                 | 12.680 | 184  | 293105   | 27.89  | ng    | 99       |
| 78) Pyrene                    | 12.792 | 202  | 1644881  | 43.79  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.404 | 149  | 786915   | 46.51  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.980 | 228  | 1444350  | 44.48  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.939 | 252  | 337411   | 29.01  | ng    | 99       |
| 83) Chrysene                  | 14.021 | 228  | 1452313  | 44.95  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149  | 1089423  | 47.02  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 1966324  | 51.16  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.910 | 276  | 1542850  | 46.12  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 1734954  | 48.52  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.057 | 252  | 1366118  | 41.79  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.392 | 252  | 1388455  | 44.39  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.921 | 278  | 1277501  | 46.66  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.345 | 276  | 1324209  | 49.98  | ng    | 99       |

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

