

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122220\  
 Data File : BF122813.D  
 Acq On : 22 Dec 2020 14:02  
 Operator : JU/CG  
 Sample : L5155-01MS 2X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-12-18-20MS

Manual Integrations  
 APPROVED

mohammad  
 12/23/2020 3:28:04 PM

Quant Time: Dec 22 15:07:21 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     | 6.816  | 152  | 197050   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 735779   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 351524   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 583075   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.992 | 240  | 506994   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.457 | 264  | 446370   | 20.00 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 299274   | 24.04 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.445  | 99   | 374967   | 22.72 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 214892   | 14.63 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 95545    | 20.76 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 414779   | 15.96 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.945 | 244  | 393392   | 13.58 | ng    | 0.01     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.540  | 88   | 45129    | 7.71  | ng    | 97       |
| 3) Pyridine                   | 3.293  | 79   | 114151   | 7.38  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.216  | 42   | 45893    | 7.40  | ng    | # 100    |
| 6) Aniline                    | 6.475  | 93   | 63393    | 3.26  | ng    | # 83     |
| 8) 2-Chlorophenol             | 6.604  | 128  | 119828   | 8.73  | ng    | 94       |
| 9) Benzaldehyde               | 6.363  | 77   | 34504    | 3.45  | ng    | 96       |
| 10) Phenol                    | 6.463  | 94   | 155085   | 9.07  | ng    | 86       |
| 11) bis(2-Chloroethyl)ether   | 6.545  | 93   | 114003   | 8.72  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.757  | 146  | 134600   | 8.29  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.834  | 146  | 138148   | 8.44  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.987  | 146  | 131061   | 8.30  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.957  | 79   | 90421    | 7.96  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.092  | 45   | 139688   | 7.50  | ng    | 89       |
| 17) 2-Methylphenol            | 7.075  | 107  | 96606    | 8.86  | ng    | 96       |
| 18) Hexachloroethane          | 7.328  | 117  | 42145    | 7.23  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.228  | 70   | 79457    | 8.40  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.234  | 107  | 119456   | 8.67  | ng    | # 82     |
| 22) Acetophenone              | 7.228  | 105  | 168411   | 9.21  | ng    | 97       |
| 24) Nitrobenzene              | 7.398  | 77   | 116190   | 7.95  | ng    | 99       |
| 25) Isophorone                | 7.639  | 82   | 213765   | 8.45  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.722  | 139  | 56306    | 7.90  | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 7.757  | 122  | 99257    | 9.50  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.851  | 93   | 139867   | 8.07  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 7.969  | 162  | 101925   | 8.36  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 111130   | 8.04  | ng    | 99       |
| 31) Naphthalene               | 8.128  | 128  | 354783   | 8.74  | ng    | 98       |
| 32) Benzoic acid              | 7.851  | 122  | 54390    | 6.54  | ng    | 94       |
| 33) 4-Chloroaniline           | 8.175  | 127  | 49427    | 2.91  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 64318    | 7.56  | ng    | 99       |
| 35) Caprolactam               | 8.522  | 113  | 32314    | 8.80  | ng    | 86       |
| 36) 4-Chloro-3-methylphenol   | 8.657  | 107  | 103605   | 8.62  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.816  | 142  | 236900   | 8.82  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 212087   | 8.35  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 107975   | 9.27  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 67473    | 8.39  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol     | 9.139  | 196  | 75010    | 9.02  | ng    | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 46) 1,1'-Biphenyl             | 9.280  | 154  | 274477   | 9.41  | ng    | 97       |
| 47) 2-Chloronaphthalene       | 9.304  | 162  | 209430   | 8.66  | ng    | 96       |
| 48) 2-Nitroaniline            | 9.398  | 65   | 59203    | 8.40  | ng    | 90       |
| 49) Acenaphthylene            | 9.722  | 152  | 318800   | 8.93  | ng    | 98       |
| 50) Dimethylphthalate         | 9.575  | 163  | 252388   | 8.99  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.639  | 165  | 49397    | 8.33  | ng    | 97       |
| 52) Acenaphthene              | 9.892  | 154  | 185660   | 8.04  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.810  | 138  | 38735    | 5.65  | ng    | # 96     |
| 55) Dibenzofuran              | 10.063 | 168  | 284371   | 8.75  | ng    | 97       |
| 56) 4-Nitrophenol             | 9.986  | 139  | 62757    | 12.85 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 10.045 | 165  | 58664    | 7.43  | ng    | # 95     |
| 58) Fluorene                  | 10.404 | 166  | 221722   | 8.58  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 59065    | 8.09  | ng    | # 98     |
| 60) Diethylphthalate          | 10.275 | 149  | 233459   | 8.55  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204  | 109016   | 8.57  | ng    | 96       |
| 62) 4-Nitroaniline            | 10.422 | 138  | 47078    | 6.77  | ng    | 95       |
| 63) Azobenzene                | 10.557 | 77   | 198192   | 7.90  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.516 | 169  | 196238   | 9.52  | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 10.886 | 248  | 67397    | 8.53  | ng    | 97       |
| 68) Hexachlorobenzene         | 10.957 | 284  | 72034    | 8.25  | ng    | 97       |
| 69) Atrazine                  | 11.039 | 200  | 55526    | 8.30  | ng    | 99       |
| 70) Pentachlorophenol         | 11.157 | 266  | 69018    | 14.91 | ng    | 97       |
| 71) Phenanthrene              | 11.369 | 178  | 308361   | 8.90  | ng    | 98       |
| 72) Anthracene                | 11.422 | 178  | 309706   | 9.01  | ng    | 98       |
| 73) Carbazole                 | 11.580 | 167  | 263437   | 8.45  | ng    | 97       |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 333884   | 8.53  | ng    | 98       |
| 75) Fluoranthene              | 12.574 | 202  | 241880   | 6.66  | ng    | 99       |
| 77) Benzidine                 | 12.721 | 184  | 43868    | 4.00  | ng    | # 93     |
| 78) Pyrene                    | 12.833 | 202  | 341309m  | 8.71  | ng    |          |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 132632   | 7.51  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.980 | 228  | 289250   | 8.54  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.945 | 252  | 62763    | 5.17  | ng    | 99       |
| 83) Chrysene                  | 14.021 | 228  | 295505   | 8.76  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149  | 199076   | 8.23  | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 334571   | 8.34  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.915 | 276  | 247065   | 8.43  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 286333   | 9.14  | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 15.057 | 252  | 242507   | 8.47  | ng    | 94       |
| 90) Benzo(a)pyrene            | 15.392 | 252  | 232763   | 8.50  | ng    | # 96     |
| 91) Dibenzo(a,h)anthracene    | 16.921 | 278  | 204839   | 8.54  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.351 | 276  | 201573   | 8.69  | ng    | 98       |

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

