

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP112420\  
 Data File : BP004077.D  
 Acq On : 24 Nov 2020 15:45  
 Operator : CG/JU  
 Sample : L4874-01MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 72-11933MS

Manual Integrations  
 APPROVED

mohammad  
 11/25/2020 1:21:51 PM

Quant Time: Nov 24 17:07:01 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270E-BP110320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 23 16:42:41 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.263  | 152  | 115214   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.093 | 136  | 438808   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.887 | 164  | 260541   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.622 | 188  | 540691   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.657 | 240  | 495000   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 24.127 | 264  | 521484   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.805  | 112  | 772388   | 111.89 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.452  | 99   | 1000663  | 100.98 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.434  | 82   | 625911   | 69.86  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.375 | 330  | 361613   | 110.97 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.510 | 172  | 1237220  | 66.39  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.116 | 244  | 1535884  | 59.94  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.481  | 88   | 110778   | 37.20  | ng    | # 62     |
| 3) Pyridine                   | 3.917  | 79   | 322458   | 36.92  | ng    | # 60     |
| 4) n-Nitrosodimethylamine     | 3.822  | 42   | 170205   | 42.32  | ng    | # 54     |
| 6) Aniline                    | 7.569  | 93   | 182333   | 16.20  | ng    | # 84     |
| 8) 2-Chlorophenol             | 7.840  | 128  | 343089   | 46.81  | ng    | # 81     |
| 9) Benzaldehyde               | 7.369  | 77   | 42682    | 6.57   | ng    | # 81     |
| 10) Phenol                    | 7.481  | 94   | 500011   | 52.29  | ng    | 83       |
| 11) bis(2-Chloroethyl)ether   | 7.658  | 93   | 334778   | 43.56  | ng    | # 81     |
| 12) 1,3-Dichlorobenzene       | 8.158  | 146  | 386889   | 43.07  | ng    | # 93     |
| 13) 1,4-Dichlorobenzene       | 8.299  | 146  | 391317   | 43.21  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.634  | 146  | 370766   | 42.87  | ng    | 96       |
| 15) Benzyl Alcohol            | 8.505  | 79   | 317387   | 46.24  | ng    | # 88     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.793  | 45   | 509894   | 39.39  | ng    | 82       |
| 17) 2-Methylphenol            | 8.740  | 107  | 287671   | 45.82  | ng    | # 94     |
| 18) Hexachloroethane          | 9.375  | 117  | 142608   | 44.31  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 9.069  | 70   | 258190   | 43.59  | ng    | # 75     |
| 20) 3+4-Methylphenols         | 9.069  | 107  | 385213   | 45.96  | ng    | # 82     |
| 22) Acetophenone              | 9.087  | 105  | 505903   | 42.95  | ng    | # 83     |
| 24) Nitrobenzene              | 9.475  | 77   | 388401   | 43.62  | ng    | # 83     |
| 25) Isophorone                | 9.999  | 82   | 696257   | 45.75  | ng    | # 91     |
| 26) 2-Nitrophenol             | 10.199 | 139  | 186627   | 53.68  | ng    | # 75     |
| 27) 2,4-Dimethylphenol        | 10.269 | 122  | 308888   | 53.26  | ng    | 91       |
| 28) bis(2-Chloroethoxy)met... | 10.469 | 93   | 424435   | 40.64  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.763 | 162  | 324368   | 46.42  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.963 | 180  | 360919   | 42.39  | ng    | 99       |
| 31) Naphthalene               | 11.146 | 128  | 1012830  | 43.01  | ng    | 100      |
| 32) Benzoic acid              | 10.446 | 122  | 109142m  | 30.47  | ng    |          |
| 33) 4-Chloroaniline           | 11.240 | 127  | 163717   | 16.36  | ng    | # 89     |
| 34) Hexachlorobutadiene       | 11.451 | 225  | 230181   | 41.45  | ng    | 98       |
| 35) Caprolactam               | 11.993 | 113  | 100430   | 46.48  | ng    | # 18     |
| 36) 4-Chloro-3-methylphenol   | 12.387 | 107  | 344138   | 45.62  | ng    | 89       |
| 37) 2-Methylnaphthalene       | 12.734 | 142  | 723538   | 42.94  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.951 | 142  | 670825   | 41.74  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 13.116 | 216  | 398109   | 46.17  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 13.104 | 237  | 281522   | 64.71  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.345 | 196  | 248854   | 46.69  | ng    | 98       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.434 | 196  | 260508   | 46.42 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.722 | 154  | 896143   | 44.31 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.769 | 162  | 707462   | 42.63 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.957 | 65   | 222043   | 44.84 | ng    | # 60     |
| 49) Acenaphthylene            | 14.610 | 152  | 1078498  | 44.26 | ng    | 99       |
| 50) Dimethylphthalate         | 14.316 | 163  | 907227   | 44.55 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.440 | 165  | 195306   | 46.74 | ng    | # 80     |
| 52) Acenaphthene              | 14.951 | 154  | 728438m  | 44.88 | ng    |          |
| 53) 3-Nitroaniline            | 14.769 | 138  | 114806   | 24.82 | ng    | # 73     |
| 54) 2,4-Dinitrophenol         | 14.987 | 184  | 121777   | 58.96 | ng    | # 83     |
| 55) Dibenzofuran              | 15.281 | 168  | 1058412  | 43.89 | ng    | 99       |
| 56) 4-Nitrophenol             | 15.122 | 139  | 279177   | 83.74 | ng    | # 67     |
| 57) 2,4-Dinitrotoluene        | 15.234 | 165  | 266559   | 47.51 | ng    | # 79     |
| 58) Fluorene                  | 15.928 | 166  | 851712   | 44.10 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.528 | 232  | 221526   | 43.79 | ng    | 95       |
| 60) Diethylphthalate          | 15.669 | 149  | 855826   | 42.92 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.904 | 204  | 448512   | 42.50 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.934 | 138  | 185525   | 38.47 | ng    | 91       |
| 63) Azobenzene                | 16.198 | 77   | 779718   | 41.41 | ng    | 86       |
| 65) 4,6-Dinitro-2-methylph... | 16.010 | 198  | 115157   | 40.67 | ng    | 82       |
| 66) n-Nitrosodiphenylamine    | 16.116 | 169  | 741115   | 44.78 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.798 | 248  | 277090   | 43.80 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.963 | 284  | 306824   | 42.51 | ng    | 99       |
| 69) Atrazine                  | 17.051 | 200  | 225540   | 41.51 | ng    | 97       |
| 70) Pentachlorophenol         | 17.298 | 266  | 256373   | 74.24 | ng    | 99       |
| 71) Phenanthrene              | 17.663 | 178  | 1370325  | 45.16 | ng    | 99       |
| 72) Anthracene                | 17.751 | 178  | 1363224  | 46.51 | ng    | 99       |
| 73) Carbazole                 | 18.010 | 167  | 1191082  | 43.81 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.522 | 149  | 1419128  | 45.09 | ng    | 99       |
| 75) Fluoranthene              | 19.598 | 202  | 1627566  | 46.48 | ng    | 99       |
| 77) Benzidine                 | 19.745 | 184  | 531296   | 45.50 | ng    | 99       |
| 78) Pyrene                    | 19.951 | 202  | 1630683  | 48.55 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.763 | 149  | 620425   | 49.57 | ng    | # 86     |
| 81) Benzo(a)anthracene        | 21.639 | 228  | 1494166  | 45.77 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.551 | 252  | 315788   | 28.05 | ng    | 97       |
| 83) Chrysene                  | 21.698 | 228  | 1422087  | 45.34 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.516 | 149  | 901832   | 48.88 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.439 | 149  | 1544920  | 50.26 | ng    | # 88     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.686 | 276  | 1653362  | 43.95 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 23.380 | 252  | 1587660  | 46.52 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.427 | 252  | 1376752  | 40.86 | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.021 | 252  | 1349182  | 42.71 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.680 | 278  | 1391941  | 44.39 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.474 | 276  | 1399531  | 46.11 | ng    | 96       |

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

