

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021921\  
 Data File : BP004822.D  
 Acq On : 19 Feb 2021 15:07  
 Operator : CG/JU  
 Sample : M1422-01MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BU-03-021621MS

Manual Integrations  
 APPROVED

mohammad  
 2/22/2021 2:12:01 PM

Quant Time: Feb 19 16:19:26 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 19 12:04:44 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.764  | 152  | 53659    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.552 | 136  | 210723   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.410 | 164  | 128783   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.163 | 188  | 276996   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.251 | 240  | 295803   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 23.557 | 264  | 296861   | 20.00  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.358  | 112  | 406273   | 116.90 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.946  | 99   | 517323   | 108.25 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.922  | 82   | 327780   | 67.77  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.910 | 330  | 200854   | 117.39 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.028 | 172  | 710221   | 67.40  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.728 | 244  | 1042073  | 59.17  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.281  | 88   | 42957    | 28.88  | ng    | # 91     |
| 3) Pyridine                   | 3.676  | 79   | 120539   | 32.01  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.587  | 42   | 62444    | 39.85  | ng    | # 61     |
| 6) Aniline                    | 7.093  | 93   | 84280    | 15.81  | ng    | # 84     |
| 8) 2-Chlorophenol             | 7.334  | 128  | 156611   | 43.13  | ng    | 88       |
| 9) Benzaldehyde               | 6.905  | 77   | 56413    | 28.11  | ng    | 84       |
| 10) Phenol                    | 6.975  | 94   | 209732   | 45.34  | ng    | 80       |
| 11) bis(2-Chloroethyl)ether   | 7.193  | 93   | 138571   | 39.17  | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 7.652  | 146  | 173649   | 39.30  | ng    | # 93     |
| 13) 1,4-Dichlorobenzene       | 7.799  | 146  | 176065   | 39.22  | ng    | # 92     |
| 14) 1,2-Dichlorobenzene       | 8.111  | 146  | 169420   | 39.36  | ng    | 95       |
| 15) Benzyl Alcohol            | 8.005  | 79   | 146384   | 40.79  | ng    | # 85     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.299  | 45   | 115509   | 40.37  | ng    | 96       |
| 17) 2-Methylphenol            | 8.216  | 107  | 131081   | 41.93  | ng    | # 91     |
| 18) Hexachloroethane          | 8.834  | 117  | 66330    | 39.44  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.569  | 70   | 111584   | 38.64  | ng    | # 87     |
| 20) 3+4-Methylphenols         | 8.540  | 107  | 177336   | 42.74  | ng    | 92       |
| 22) Acetophenone              | 8.587  | 105  | 233538   | 38.13  | ng    | # 92     |
| 24) Nitrobenzene              | 8.963  | 77   | 174449   | 36.49  | ng    | # 82     |
| 25) Isophorone                | 9.487  | 82   | 299547   | 38.76  | ng    | # 92     |
| 26) 2-Nitrophenol             | 9.669  | 139  | 87339    | 46.12  | ng    | # 74     |
| 27) 2,4-Dimethylphenol        | 9.740  | 122  | 134751   | 45.75  | ng    | 85       |
| 28) bis(2-Chloroethoxy)met... | 9.969  | 93   | 178866   | 35.92  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.210 | 162  | 146421   | 41.15  | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.416 | 180  | 163088   | 37.10  | ng    | 99       |
| 31) Naphthalene               | 10.605 | 128  | 467607   | 38.02  | ng    | 99       |
| 32) Benzoic acid              | 9.893  | 122  | 97125    | 40.23  | ng    | # 82     |
| 33) 4-Chloroaniline           | 10.722 | 127  | 36748    | 7.28   | ng    | # 88     |
| 34) Hexachlorobutadiene       | 10.887 | 225  | 105769   | 35.82  | ng    | 97       |
| 35) Caprolactam               | 11.516 | 113  | 48117    | 42.79  | ng    | 84       |
| 36) 4-Chloro-3-methylphenol   | 11.863 | 107  | 166570   | 39.42  | ng    | # 85     |
| 37) 2-Methylnaphthalene       | 12.222 | 142  | 336615   | 38.47  | ng    | # 95     |
| 38) 1-Methylnaphthalene       | 12.446 | 142  | 317300m  | 38.32  | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 12.593 | 216  | 185111   | 40.01  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 12.569 | 237  | 239231   | 90.91  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.840 | 196  | 121908   | 41.82  | ng    | 99       |

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| 44) 2,4,5-Trichlorophenol     | 12.916 | 196  | 132329   | 43.20 | ng    | # 95     |
| 46) 1,1'-Biphenyl             | 13.240 | 154  | 426272   | 39.54 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.281 | 162  | 337263   | 38.17 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.493 | 65   | 98906    | 37.92 | ng    | # 67     |
| 49) Acenaphthylene            | 14.134 | 152  | 522148   | 40.00 | ng    | 100      |
| 50) Dimethylphthalate         | 13.875 | 163  | 481762   | 42.53 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.993 | 165  | 95604    | 41.88 | ng    | # 65     |
| 52) Acenaphthene              | 14.475 | 154  | 321336   | 38.82 | ng    | 96       |
| 53) 3-Nitroaniline            | 14.322 | 138  | 46259    | 19.48 | ng    | # 66     |
| 54) 2,4-Dinitrophenol         | 14.528 | 184  | 119301   | 90.73 | ng    | # 79     |
| 55) Dibenzofuran              | 14.810 | 168  | 504318   | 38.75 | ng    | 96       |
| 56) 4-Nitrophenol             | 14.651 | 139  | 164548   | 88.34 | ng    | # 55     |
| 57) 2,4-Dinitrotoluene        | 14.781 | 165  | 133184   | 42.58 | ng    | # 70     |
| 58) Fluorene                  | 15.463 | 166  | 420444   | 39.32 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.040 | 232  | 122106   | 41.89 | ng    | # 99     |
| 60) Diethylphthalate          | 15.240 | 149  | 431386   | 38.00 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.457 | 204  | 222451   | 37.47 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.493 | 138  | 95123    | 36.68 | ng    | # 61     |
| 63) Azobenzene                | 15.751 | 77   | 391867   | 36.74 | ng    | 86       |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 198  | 83220    | 49.17 | ng    | 88       |
| 66) n-Nitrosodiphenylamine    | 15.675 | 169  | 362948   | 40.29 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.357 | 248  | 138993   | 38.97 | ng    | 95       |
| 68) Hexachlorobenzene         | 16.469 | 284  | 151500   | 38.99 | ng    | 93       |
| 69) Atrazine                  | 16.634 | 200  | 122250   | 41.37 | ng    | 99       |
| 70) Pentachlorophenol         | 16.816 | 266  | 203017   | 93.36 | ng    | 99       |
| 71) Phenanthrene              | 17.210 | 178  | 668706   | 39.43 | ng    | 98       |
| 72) Anthracene                | 17.298 | 178  | 676422   | 41.48 | ng    | 99       |
| 73) Carbazole                 | 17.575 | 167  | 604220   | 40.38 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.128 | 149  | 752700   | 41.00 | ng    | # 98     |
| 75) Fluoranthene              | 19.181 | 202  | 832762   | 41.21 | ng    | 98       |
| 77) Benzidine                 | 19.363 | 184  | 255746   | 44.81 | ng    | 99       |
| 78) Pyrene                    | 19.534 | 202  | 836552   | 40.10 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.404 | 149  | 349832   | 42.67 | ng    | # 83     |
| 81) Benzo(a)anthracene        | 21.239 | 228  | 838765   | 39.98 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.175 | 252  | 202424   | 30.44 | ng    | 98       |
| 83) Chrysene                  | 21.292 | 228  | 808624   | 39.80 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.163 | 149  | 517242   | 41.80 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.057 | 149  | 884793   | 44.09 | ng    | # 93     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.933 | 276  | 977173   | 41.23 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 22.863 | 252  | 852083m  | 39.19 | ng    |          |
| 89) Benzo(k)fluoranthene      | 22.910 | 252  | 842967   | 40.39 | ng    | # 98     |
| 90) Benzo(a)pyrene            | 23.463 | 252  | 770683   | 39.22 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 25.951 | 278  | 829831   | 41.97 | ng    | # 96     |
| 92) Benzo(g,h,i)perylene      | 26.663 | 276  | 800075   | 42.17 | ng    | # 95     |

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

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