

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM033021\  
 Data File : BM029280.D  
 Acq On : 30 Mar 2021 21:15  
 Operator : CG/JU  
 Sample : M1817-04MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PHC-326FB-003MSD

Manual Integrations  
 APPROVED

mohammad  
 3/31/2021 1:36:49 PM

Quant Time: Mar 31 00:30:11 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 29 11:14:33 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.746  | 152  | 145352   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.528 | 136  | 575332   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.374 | 164  | 323992   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.110 | 188  | 563603   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.280 | 240  | 443218   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 23.515 | 264  | 417023   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.352  | 112  | 1196100  | 141.85 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.922  | 99   | 1423594  | 117.65 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.898  | 82   | 1198615  | 101.15 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.863 | 330  | 448756   | 149.57 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.998 | 172  | 2354861  | 103.10 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.733 | 244  | 2529018  | 114.63 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.305  | 88   | 152271   | 39.73  | ng    | # 39     |
| 3) Pyridine                   | 3.699  | 79   | 290934   | 31.49  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.599  | 42   | 242533   | 58.49  | ng    | 97       |
| 6) Aniline                    | 7.081  | 93   | 149299   | 11.39  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.316  | 128  | 497478   | 52.29  | ng    | 99       |
| 9) Benzaldehyde               | 6.893  | 77   | 270841   | 35.64  | ng    | 99       |
| 10) Phenol                    | 6.946  | 94   | 580202   | 48.53  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.175  | 93   | 494556   | 57.81  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.634  | 146  | 510035   | 47.92  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.781  | 146  | 520084   | 48.19  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.098  | 146  | 506130   | 48.79  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.987  | 79   | 483790   | 55.27  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.275  | 45   | 734714   | 56.02  | ng    | 99       |
| 17) 2-Methylphenol            | 8.187  | 107  | 405323   | 52.76  | ng    | 99       |
| 18) Hexachloroethane          | 8.816  | 117  | 207465   | 52.90  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.551  | 70   | 436191   | 55.87  | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.516  | 107  | 539665   | 52.49  | ng    | 99       |
| 22) Acetophenone              | 8.563  | 105  | 762758   | 52.96  | ng    | # 99     |
| 24) Nitrobenzene              | 8.940  | 77   | 619953   | 50.12  | ng    | 98       |
| 25) Isophorone                | 9.463  | 82   | 1126008  | 55.32  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.645  | 139  | 259849   | 63.01  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.710  | 122  | 440368   | 55.70  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.945  | 93   | 665036   | 61.79  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.175 | 162  | 451616   | 52.53  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.392 | 180  | 478425   | 49.01  | ng    | 99       |
| 31) Naphthalene               | 10.575 | 128  | 1484530  | 48.95  | ng    | 100      |
| 32) Benzoic acid              | 9.851  | 122  | 255396   | 49.74  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.687 | 127  | 84684    | 7.07   | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.863 | 225  | 280969   | 49.56  | ng    | 98       |
| 35) Caprolactam               | 11.469 | 113  | 102076m  | 37.36  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.810 | 107  | 469504   | 51.15  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.192 | 142  | 1077533  | 50.81  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.410 | 142  | 986677   | 48.92  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.563 | 216  | 504694   | 55.59  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.545 | 237  | 629908   | 126.43 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.804 | 196  | 337203   | 57.05  | ng    | 98       |

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| 44) 2,4,5-Trichlorophenol     | 12.875 | 196  | 355900   | 54.16 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.210 | 154  | 1349893  | 54.81 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.245 | 162  | 1017528  | 52.47 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.451 | 65   | 332000   | 52.05 | ng    | 99       |
| 49) Acenaphthylene            | 14.098 | 152  | 1661313  | 56.31 | ng    | 100      |
| 50) Dimethylphthalate         | 13.839 | 163  | 1288889  | 56.93 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.951 | 165  | 261533   | 53.40 | ng    | 98       |
| 52) Acenaphthene              | 14.439 | 154  | 986995   | 52.64 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.280 | 138  | 114023   | 23.00 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.486 | 184  | 276781   | 94.33 | ng    | 99       |
| 55) Dibenzofuran              | 14.774 | 168  | 1450121  | 49.16 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.592 | 139  | 387280   | 85.51 | ng    | 91       |
| 57) 2,4-Dinitrotoluene        | 14.739 | 165  | 341023   | 47.55 | ng    | 99       |
| 58) Fluorene                  | 15.421 | 166  | 1212230  | 50.69 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.998 | 232  | 264639   | 49.14 | ng    | 96       |
| 60) Diethylphthalate          | 15.204 | 149  | 1245748  | 55.85 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.416 | 204  | 583451   | 52.88 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.439 | 138  | 243379   | 41.69 | ng    | 98       |
| 63) Azobenzene                | 15.710 | 77   | 1365085  | 53.54 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.498 | 198  | 160912   | 47.32 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.633 | 169  | 1002875  | 55.58 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.310 | 248  | 318158   | 61.58 | ng    | 100      |
| 68) Hexachlorobenzene         | 16.421 | 284  | 339185   | 55.80 | ng    | 97       |
| 69) Atrazine                  | 16.586 | 200  | 343375   | 60.28 | ng    | 97       |
| 70) Pentachlorophenol         | 16.763 | 266  | 335784   | 89.67 | ng    | 99       |
| 71) Phenanthrene              | 17.157 | 178  | 1668207  | 51.04 | ng    | 99       |
| 72) Anthracene                | 17.245 | 178  | 1701734  | 53.59 | ng    | 99       |
| 73) Carbazole                 | 17.515 | 167  | 1482363  | 47.44 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.080 | 149  | 2030762  | 67.38 | ng    | 100      |
| 75) Fluoranthene              | 19.168 | 202  | 1689326  | 46.79 | ng    | 99       |
| 77) Benzidine                 | 19.351 | 184  | 208589   | 16.29 | ng    | 99       |
| 78) Pyrene                    | 19.527 | 202  | 1692819  | 56.41 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.433 | 149  | 812295   | 69.59 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.268 | 228  | 1491776  | 51.57 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.203 | 252  | 255864   | 29.59 | ng    | 98       |
| 83) Chrysene                  | 21.321 | 228  | 1408394  | 48.66 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.203 | 149  | 1277041  | 75.45 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 22.080 | 149  | 2054531  | 73.74 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 25.780 | 276  | 1698101  | 55.67 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 22.845 | 252  | 1421551  | 52.40 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 22.892 | 252  | 1311638  | 49.76 | ng    | 100      |
| 90) Benzo(a)pyrene            | 23.421 | 252  | 1206503  | 49.09 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 25.786 | 278  | 1433784  | 54.91 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 26.462 | 276  | 1402872  | 54.84 | ng    | 99       |

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

