

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031622\  
 Data File : BM034259.D  
 Acq On : 16 Mar 2022 15:01  
 Operator : CG/JU  
 Sample : N1645-02  
 Misc : LOQ-SOIL 5ppn  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2022

Quant Time: Mar 16 15:49:37 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 16 02:38:26 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/17/2022  
 Supervised By : Jagrut Upadhyay 03/17/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.948  | 152  | 185304   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.760 | 136  | 750486   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.589 | 164  | 505142   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.324 | 188  | 1061651  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.494 | 240  | 1070786  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.912 | 264  | 1040805  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.496  | 112  | 1016535  | 98.413  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.101  | 99   | 1404236  | 94.950  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.113  | 82   | 1062982  | 68.960  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.071 | 330  | 701869   | 103.085 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.219 | 172  | 2463483  | 66.641  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.942 | 244  | 4079525  | 66.200  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.354  | 88   | 21698    | 4.643   | ng    | 93       |
| 3) Pyridine                   | 3.766  | 79   | 60014    | 4.746   | ng    | # 91     |
| 4) n-Nitrosodimethylamine     | 3.672  | 42   | 33728    | 5.617   | ng    | # 96     |
| 6) Aniline                    | 7.266  | 93   | 100218   | 5.930   | ng    | 95       |
| 8) 2-Chlorophenol             | 7.507  | 128  | 66032    | 5.466   | ng    | 95       |
| 9) Benzaldehyde               | 7.078  | 77   | 51014m   | 6.402   | ng    |          |
| 10) Phenol                    | 7.131  | 94   | 79412    | 5.399   | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.366  | 93   | 67365    | 5.580   | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.837  | 146  | 78122    | 5.701   | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.984  | 146  | 78091    | 5.566   | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.301  | 146  | 75107    | 5.492   | ng    | 97       |
| 15) Benzyl Alcohol            | 8.184  | 79   | 58916    | 5.006   | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.478  | 45   | 94030    | 5.675   | ng    | 99       |
| 17) 2-Methylphenol            | 8.389  | 107  | 53225    | 5.167   | ng    | 98       |
| 18) Hexachloroethane          | 9.036  | 117  | 29393    | 5.680   | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 8.754  | 70   | 58635    | 5.481   | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.719  | 107  | 68865    | 4.834   | ng    | 98       |
| 22) Acetophenone              | 8.772  | 105  | 84552    | 4.390   | ng    | 97       |
| 24) Nitrobenzene              | 9.154  | 77   | 86148    | 5.986   | ng    | 97       |
| 25) Isophorone                | 9.678  | 82   | 153725   | 5.960   | ng    | 97       |
| 26) 2-Nitrophenol             | 9.866  | 139  | 30407    | 4.764   | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.931  | 122  | 60071    | 6.011   | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.166 | 93   | 89716    | 5.433   | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.401 | 162  | 57801    | 4.978   | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.625 | 180  | 73432    | 5.564   | ng    | 97       |
| 31) Naphthalene               | 10.813 | 128  | 221114   | 5.655   | ng    | 100      |
| 32) Benzoic acid              | 9.983  | 122  | 12730    | 1.540   | ng    | 91       |
| 33) 4-Chloroaniline           | 10.919 | 127  | 78986    | 5.121   | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.107 | 225  | 47067    | 5.630   | ng    | 96       |
| 35) Caprolactam               | 11.672 | 113  | 14389    | 3.565   | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 12.036 | 107  | 64530    | 4.850   | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.419 | 142  | 155727   | 5.582   | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.636 | 142  | 155491   | 5.697   | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.789 | 216  | 68688    | 4.506   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.772 | 237  | 53536    | 6.065   | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 13.024 | 196  | 49312    | 4.685   | ng    | 98       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.089 | 196  | 54288    | 4.806 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.424 | 154  | 175231   | 4.549 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.466 | 162  | 162189   | 5.486 | ng    | 97       |
| 48) 2-Nitroaniline            | 13.660 | 65   | 41083    | 4.545 | ng    | 99       |
| 49) Acenaphthylene            | 14.307 | 152  | 266669   | 5.787 | ng    | 99       |
| 50) Dimethylphthalate         | 14.042 | 163  | 215063   | 5.594 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.154 | 165  | 42618    | 5.404 | ng    | 96       |
| 52) Acenaphthene              | 14.648 | 154  | 167155   | 5.385 | ng    | 97       |
| 53) 3-Nitroaniline            | 14.483 | 138  | 33272    | 4.205 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.689 | 184  | 13984    | 3.165 | ng    | 92       |
| 55) Dibenzofuran              | 14.983 | 168  | 255113   | 5.515 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.783 | 139  | 21528    | 3.356 | ng    | 91       |
| 57) 2,4-Dinitrotoluene        | 14.936 | 165  | 52308    | 4.907 | ng    | # 92     |
| 58) Fluorene                  | 15.630 | 166  | 205695   | 5.478 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.207 | 232  | 49892    | 4.898 | ng    | 97       |
| 60) Diethylphthalate          | 15.401 | 149  | 219419   | 5.563 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.624 | 204  | 105131   | 5.484 | ng    | 100      |
| 62) 4-Nitroaniline            | 15.642 | 138  | 30352m   | 3.988 | ng    |          |
| 63) Azobenzene                | 15.912 | 77   | 205676   | 5.407 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.701 | 198  | 25435    | 3.684 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.836 | 169  | 179470   | 5.321 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.518 | 248  | 64729    | 5.304 | ng    | 95       |
| 68) Hexachlorobenzene         | 16.636 | 284  | 74986    | 5.509 | ng    | 98       |
| 69) Atrazine                  | 16.777 | 200  | 50921    | 4.580 | ng    | 99       |
| 70) Pentachlorophenol         | 16.977 | 266  | 40176    | 4.615 | ng    | 96       |
| 71) Phenanthrene              | 17.365 | 178  | 325539   | 5.475 | ng    | 99       |
| 72) Anthracene                | 17.459 | 178  | 321660   | 5.558 | ng    | 100      |
| 73) Carbazole                 | 17.724 | 167  | 258933   | 4.798 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.295 | 149  | 352430   | 5.253 | ng    | 99       |
| 75) Fluoranthene              | 19.377 | 202  | 366270   | 5.495 | ng    | 98       |
| 77) Benzidine                 | 19.559 | 184  | 73552m   | 4.687 | ng    |          |
| 78) Pyrene                    | 19.736 | 202  | 393223   | 5.212 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.630 | 149  | 148601   | 4.657 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.477 | 228  | 371121   | 5.491 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.412 | 252  | 88548    | 3.923 | ng    | 95       |
| 83) Chrysene                  | 21.530 | 228  | 380223   | 5.509 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.412 | 149  | 230971   | 4.902 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.336 | 149  | 376633   | 5.036 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.424 | 276  | 311050   | 4.646 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 23.171 | 252  | 328317   | 5.275 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.224 | 252  | 385402   | 5.846 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.800 | 252  | 311549   | 5.905 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.441 | 278  | 244263   | 4.499 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 27.194 | 276  | 270529   | 4.814 | ng    | 99       |

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

