

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062321\  
 Data File : BP006032.D  
 Acq On : 23 Jun 2021 13:37  
 Operator : CG/JU  
 Sample : M2781-01MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 RIG-DRILL-CUTTING-DRUMS-1-7M

Manual Integrations  
 APPROVED

mohammad  
 6/24/2021 9:51:37 AM

Quant Time: Jun 23 16:26:35 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP060821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 22 17:52:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.916  | 152  | 69343    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.722 | 136  | 266934   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.545 | 164  | 166731   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.292 | 188  | 343320   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.369 | 240  | 404552   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.774 | 264  | 466402   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 358183   | 82.885 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.093  | 99   | 539761   | 96.365 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.087  | 82   | 336938   | 61.885 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.040 | 330  | 204606   | 71.510 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.175 | 172  | 747945   | 58.906 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.839 | 244  | 1224865  | 56.693 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.358  | 88   | 64580    | 33.078 | ng    | 97       |
| 3) Pyridine                   | 3.775  | 79   | 167466   | 36.496 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.681  | 42   | 75857    | 35.565 | ng    | 85       |
| 6) Aniline                    | 7.246  | 93   | 235915   | 37.726 | ng    | 98       |
| 8) 2-Chlorophenol             | 7.487  | 128  | 215111   | 43.415 | ng    | 99       |
| 9) Benzaldehyde               | 7.058  | 77   | 125143   | 52.409 | ng    | 98       |
| 10) Phenol                    | 7.122  | 94   | 252535   | 45.132 | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.346  | 93   | 188897   | 44.550 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.805  | 146  | 232894   | 42.036 | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.952  | 146  | 236014   | 41.771 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.269  | 146  | 226981   | 42.028 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.169  | 79   | 178442   | 42.296 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.452  | 45   | 163900   | 41.816 | ng    | 97       |
| 17) 2-Methylphenol            | 8.369  | 107  | 167900   | 44.040 | ng    | 98       |
| 18) Hexachloroethane          | 8.999  | 117  | 86111    | 42.134 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.734  | 70   | 142383   | 41.321 | ng    | 94       |
| 20) 3+4-Methylphenols         | 8.699  | 107  | 225787   | 43.844 | ng    | 95       |
| 22) Acetophenone              | 8.746  | 105  | 299279   | 42.596 | ng    | # 98     |
| 24) Nitrobenzene              | 9.128  | 77   | 214576   | 37.953 | ng    | 96       |
| 25) Isophorone                | 9.657  | 82   | 376968   | 37.492 | ng    | 98       |
| 26) 2-Nitrophenol             | 9.840  | 139  | 110386   | 40.920 | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 9.905  | 122  | 187746   | 46.717 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.134 | 93   | 234897   | 44.763 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.381 | 162  | 198075   | 41.012 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.587 | 180  | 216836   | 39.957 | ng    | 99       |
| 31) Naphthalene               | 10.769 | 128  | 633763   | 41.034 | ng    | 99       |
| 32) Benzoic acid              | 10.075 | 122  | 112733   | 38.830 | ng    | 97       |
| 33) 4-Chloroaniline           | 10.893 | 127  | 146965   | 23.555 | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.052 | 225  | 143602   | 39.122 | ng    | 98       |
| 35) Caprolactam               | 11.693 | 113  | 61675    | 44.334 | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 12.016 | 107  | 209751   | 42.772 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.381 | 142  | 453504   | 41.241 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.599 | 142  | 418757   | 40.429 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.746 | 216  | 244020   | 41.579 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.722 | 237  | 221960   | 75.598 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.993 | 196  | 160129   | 39.779 | ng    | 97       |

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| 44) 2,4,5-Trichlorophenol     | 13.069 | 196  | 172853   | 39.872 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.387 | 154  | 555051   | 41.288 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.428 | 162  | 443426   | 40.394 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.640 | 65   | 115917   | 40.161 | ng    | 91       |
| 49) Acenaphthylene            | 14.269 | 152  | 699438   | 41.531 | ng    | 100      |
| 50) Dimethylphthalate         | 14.010 | 163  | 567139   | 41.371 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.128 | 165  | 123506   | 39.638 | ng    | 98       |
| 52) Acenaphthene              | 14.610 | 154  | 409281   | 40.018 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.463 | 138  | 84644    | 28.029 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.675 | 184  | 121228   | 66.301 | ng    | 97       |
| 55) Dibenzofuran              | 14.945 | 168  | 659922   | 39.236 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.781 | 139  | 188405   | 76.969 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 14.922 | 165  | 173454   | 41.622 | ng    | 96       |
| 58) Fluorene                  | 15.592 | 166  | 532422   | 40.628 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.175 | 232  | 156949m  | 41.078 | ng    |          |
| 60) Diethylphthalate          | 15.369 | 149  | 573030   | 41.663 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.587 | 204  | 272859   | 40.153 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.628 | 138  | 127378   | 40.979 | ng    | 93       |
| 63) Azobenzene                | 15.881 | 77   | 496437   | 39.896 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.687 | 198  | 89029    | 35.288 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.804 | 169  | 470177   | 41.298 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.481 | 248  | 181717   | 41.238 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.598 | 284  | 222617   | 42.147 | ng    | 98       |
| 69) Atrazine                  | 16.757 | 200  | 180774   | 51.036 | ng    | 99       |
| 70) Pentachlorophenol         | 16.951 | 266  | 258509   | 88.021 | ng    | 98       |
| 71) Phenanthrene              | 17.334 | 178  | 863149   | 41.864 | ng    | 100      |
| 72) Anthracene                | 17.428 | 178  | 889296   | 43.825 | ng    | 99       |
| 73) Carbazole                 | 17.698 | 167  | 802883   | 41.211 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.245 | 149  | 1023295  | 45.335 | ng    | 99       |
| 75) Fluoranthene              | 19.298 | 202  | 1073384  | 42.869 | ng    | 98       |
| 77) Benzidine                 | 19.475 | 184  | 641592   | 76.217 | ng    | 99       |
| 78) Pyrene                    | 19.651 | 202  | 1119198  | 39.628 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.516 | 149  | 495266   | 42.625 | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.351 | 228  | 1166162  | 39.933 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.286 | 252  | 330908   | 32.775 | ng    | 100      |
| 83) Chrysene                  | 21.404 | 228  | 1155857  | 40.865 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.269 | 149  | 744905   | 43.713 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.186 | 149  | 1320641  | 43.321 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.310 | 276  | 1651241  | 41.401 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.039 | 252  | 1347240  | 42.174 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.086 | 252  | 1277094  | 41.228 | ng    | 100      |
| 90) Benzo(a)pyrene            | 23.669 | 252  | 1303646  | 43.408 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.321 | 278  | 1405656  | 40.947 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 27.086 | 276  | 1391556  | 41.035 | ng    | 98       |

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

