

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031822\  
 Data File : BM034280.D  
 Acq On : 18 Mar 2022 16:49  
 Operator : CG/JU  
 Sample : PB143392BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB143392BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/22/2022  
 Supervised By : Jagrut Upadhyay 03/23/2022

Quant Time: Mar 18 17:53:20 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

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.943  | 152  | 179001   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.760 | 136  | 767095   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.589 | 164  | 485323   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.324 | 188  | 961891   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.501 | 240  | 929172   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.918 | 264  | 984088   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.496  | 112  | 1439563  | 144.274 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.107  | 99   | 1887961  | 132.153 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.107  | 82   | 1255578  | 79.690  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.071 | 330  | 788127   | 120.480 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.219 | 172  | 2829158  | 79.659  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.942 | 244  | 4113724  | 76.929  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.349  | 88   | 140657   | 31.157  | ng    | 98       |
| 3) Pyridine                   | 3.755  | 79   | 354273   | 29.000  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.660  | 42   | 239887   | 41.356  | ng    | 98       |
| 6) Aniline                    | 7.266  | 93   | 669223   | 40.992  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.507  | 128  | 557420   | 47.763  | ng    | 99       |
| 9) Benzaldehyde               | 7.072  | 77   | 278592   | 36.196  | ng    | 99       |
| 10) Phenol                    | 7.131  | 94   | 704500   | 49.583  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 7.360  | 93   | 516147   | 44.258  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.837  | 146  | 562610   | 42.499  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.978  | 146  | 573559   | 42.321  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.301  | 146  | 556280   | 42.105  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.184  | 79   | 519928m  | 45.731  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.484  | 45   | 710164   | 44.373  | ng    | 99       |
| 17) 2-Methylphenol            | 8.390  | 107  | 468482   | 47.078  | ng    | 98       |
| 18) Hexachloroethane          | 9.037  | 117  | 216297   | 43.272  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.760  | 70   | 436742   | 42.264  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.719  | 107  | 631479   | 45.884  | ng    | 99       |
| 22) Acetophenone              | 8.772  | 105  | 852093   | 43.285  | ng    | 100      |
| 24) Nitrobenzene              | 9.148  | 77   | 637963   | 43.369  | ng    | 99       |
| 25) Isophorone                | 9.684  | 82   | 1115306  | 42.302  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.866  | 139  | 291655   | 44.709  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.931  | 122  | 526606   | 51.554  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.166 | 93   | 703985   | 41.706  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.401 | 162  | 535021   | 45.080  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.625 | 180  | 549427   | 40.726  | ng    | 98       |
| 31) Naphthalene               | 10.807 | 128  | 1685310  | 42.171  | ng    | 100      |
| 32) Benzoic acid              | 10.072 | 122  | 350831   | 41.534  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.913 | 127  | 308443   | 19.566  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.107 | 225  | 344605   | 40.329  | ng    | 99       |
| 35) Caprolactam               | 11.695 | 113  | 171366m  | 41.537  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.042 | 107  | 594199   | 43.689  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.419 | 142  | 1247635  | 43.751  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.636 | 142  | 1152421  | 41.313  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.789 | 216  | 645015   | 44.040  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.778 | 237  | 889181   | 104.852 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.025 | 196  | 436438   | 43.162  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.095 | 196  | 474351   | 43.705 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.425 | 154  | 1612609  | 43.578 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.466 | 162  | 1211203  | 42.641 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.660 | 65   | 391360   | 45.068 | ng    | 97       |
| 49) Acenaphthylene            | 14.313 | 152  | 1916989  | 43.301 | ng    | 100      |
| 50) Dimethylphthalate         | 14.048 | 163  | 1535400  | 41.567 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.160 | 165  | 339757   | 44.844 | ng    | 97       |
| 52) Acenaphthene              | 14.654 | 154  | 1401299m | 46.991 | ng    |          |
| 53) 3-Nitroaniline            | 14.483 | 138  | 214155   | 28.174 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.689 | 184  | 370372   | 87.252 | ng    | 100      |
| 55) Dibenzofuran              | 14.983 | 168  | 1826891  | 41.109 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.789 | 139  | 561877   | 91.181 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.942 | 165  | 467407   | 45.640 | ng    | 97       |
| 58) Fluorene                  | 15.630 | 166  | 1533278  | 42.500 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.207 | 232  | 407676   | 41.655 | ng    | 99       |
| 60) Diethylphthalate          | 15.407 | 149  | 1586370  | 41.861 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.624 | 204  | 757328   | 41.116 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.642 | 138  | 311826   | 42.645 | ng    | 98       |
| 63) Azobenzene                | 15.919 | 77   | 1535476  | 42.018 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.707 | 198  | 242792   | 38.818 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.836 | 169  | 1321338  | 43.238 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.518 | 248  | 467895   | 42.314 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.636 | 284  | 528004   | 42.811 | ng    | 98       |
| 69) Atrazine                  | 16.789 | 200  | 474344   | 47.092 | ng    | 99       |
| 70) Pentachlorophenol         | 16.977 | 266  | 707935   | 89.758 | ng    | 98       |
| 71) Phenanthrene              | 17.371 | 178  | 2318563  | 43.042 | ng    | 99       |
| 72) Anthracene                | 17.460 | 178  | 2375503  | 45.307 | ng    | 100      |
| 73) Carbazole                 | 17.724 | 167  | 2056063  | 42.048 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.295 | 149  | 2629655  | 43.259 | ng    | 99       |
| 75) Fluoranthene              | 19.377 | 202  | 2622232  | 43.423 | ng    | 98       |
| 77) Benzidine                 | 19.559 | 184  | 927241   | 68.097 | ng    | 99       |
| 78) Pyrene                    | 19.742 | 202  | 2720060  | 41.550 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.636 | 149  | 1147482  | 41.446 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.483 | 228  | 2531982  | 43.174 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.412 | 252  | 642582   | 32.805 | ng    | 98       |
| 83) Chrysene                  | 21.536 | 228  | 2547286  | 42.534 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.412 | 149  | 1740849  | 42.580 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.342 | 149  | 3020439  | 46.542 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.441 | 276  | 2913127  | 46.017 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.183 | 252  | 2755068  | 46.818 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.230 | 252  | 2741355  | 43.976 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.812 | 252  | 2640505  | 52.930 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.459 | 278  | 2433668  | 47.412 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 27.218 | 276  | 2446775  | 46.053 | ng    | 99       |

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

