

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041524\  
 Data File : BG060905.D  
 Acq On : 15 Apr 2024 17:49  
 Operator : MA/JU  
 Sample : P2114-01MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-041224MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/17/2024  
 Supervised By :mohammad ahmed 04/18/2024

Quant Time: Apr 16 03:42:35 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 30 03:12:26 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.950  | 152  | 68524    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.747 | 136  | 263156   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.578 | 164  | 189165   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.328 | 188  | 432907   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.587 | 240  | 391790   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 24.725 | 264  | 478078   | 20.000  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.541  | 112  | 464934   | 113.030 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.122  | 99   | 595857   | 97.589  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.108  | 82   | 422006   | 91.506  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.070 | 330  | 324512   | 151.124 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.203 | 172  | 858316   | 66.592  | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.948 | 244  | 1437754  | 64.617  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.462  | 88   | 56286    | 33.375  | ng    | 99       |
| 3) Pyridine                   | 3.843  | 79   | 151278   | 29.738  | ng    | 86       |
| 4) n-Nitrosodimethylamine     | 3.761  | 42   | 119846   | 39.414  | ng    | 94       |
| 6) Aniline                    | 7.275  | 93   | 126573   | 16.416  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.516  | 128  | 200682   | 43.034  | ng    | 95       |
| 9) Benzaldehyde               | 7.087  | 77   | 16470m   | 4.892   | ng    |          |
| 10) Phenol                    | 7.145  | 94   | 260021   | 41.728  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.375  | 93   | 179988   | 35.776  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.845  | 146  | 214895   | 44.313  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 7.986  | 146  | 221497   | 44.769  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.303  | 146  | 222392   | 45.868  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.185  | 79   | 198113   | 40.056  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.467  | 45   | 479023   | 42.190  | ng    | 98       |
| 17) 2-Methylphenol            | 8.391  | 107  | 186811   | 39.712  | ng    | 98       |
| 18) Hexachloroethane          | 9.031  | 117  | 85518    | 48.668  | ng    | # 89     |
| 19) n-Nitroso-di-n-propyla... | 8.755  | 70   | 168203   | 36.124  | ng    | # 99     |
| 20) 3+4-Methylphenols         | 8.720  | 107  | 253118   | 39.294  | ng    | 92       |
| 22) Acetophenone              | 8.767  | 105  | 331963   | 45.749  | ng    | # 97     |
| 24) Nitrobenzene              | 9.149  | 77   | 252522   | 49.122  | ng    | 97       |
| 25) Isophorone                | 9.672  | 82   | 452402   | 42.590  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.860  | 139  | 118331   | 62.116  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.919  | 122  | 154697   | 36.255  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.154 | 93   | 267324   | 42.627  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.395 | 162  | 201349   | 51.387  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.612 | 180  | 232533   | 52.410  | ng    | 97       |
| 31) Naphthalene               | 10.800 | 128  | 634150   | 44.548  | ng    | 99       |
| 32) Benzoic acid              | 10.071 | 122  | 153078   | 53.078  | ng    | 96       |
| 33) 4-Chloroaniline           | 10.894 | 127  | 83409    | 12.615  | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.088 | 225  | 164814   | 55.737  | ng    | 97       |
| 35) Caprolactam               | 11.675 | 113  | 63827m   | 41.129  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.028 | 107  | 223246   | 44.600  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.404 | 142  | 435507   | 41.613  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.621 | 142  | 412772   | 41.750  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.774 | 216  | 297371   | 54.681  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.757 | 237  | 271835   | 98.304  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 13.009 | 196  | 195673   | 55.878  | ng    | 97       |

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Quant Time: Apr 16 03:42:35 2024  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.086 | 196  | 209570   | 50.149  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.415 | 154  | 607462   | 45.464  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.456 | 162  | 486540   | 47.927  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.656 | 65   | 178600   | 53.258  | ng    | 97       |
| 49) Acenaphthylene            | 14.302 | 152  | 792994   | 46.490  | ng    | 100      |
| 50) Dimethylphthalate         | 14.037 | 163  | 627632   | 41.977  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.155 | 165  | 133629   | 49.777  | ng    | 90       |
| 52) Acenaphthene              | 14.643 | 154  | 541561m  | 50.568  | ng    |          |
| 53) 3-Nitroaniline            | 14.478 | 138  | 93083    | 32.665  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.690 | 184  | 163695   | 157.288 | ng    | 90       |
| 55) Dibenzofuran              | 14.983 | 168  | 745216   | 44.115  | ng    | 100      |
| 56) 4-Nitrophenol             | 14.795 | 139  | 232055   | 106.166 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 14.942 | 165  | 194309   | 54.913  | ng    | 92       |
| 58) Fluorene                  | 15.630 | 166  | 594460   | 43.847  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.207 | 232  | 196177   | 53.867  | ng    | 97       |
| 60) Diethylphthalate          | 15.406 | 149  | 612819   | 40.739  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.624 | 204  | 322964   | 45.027  | ng    | 95       |
| 62) 4-Nitroaniline            | 15.647 | 138  | 134402   | 49.166  | ng    | 92       |
| 63) Azobenzene                | 15.918 | 77   | 597957   | 40.793  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.706 | 198  | 117027   | 62.939  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.841 | 169  | 542182   | 43.827  | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.517 | 248  | 227265   | 51.728  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.634 | 284  | 258421   | 52.105  | ng    | 98       |
| 69) Atrazine                  | 16.793 | 200  | 213013   | 49.240  | ng    | 99       |
| 70) Pentachlorophenol         | 16.981 | 266  | 344393   | 106.420 | ng    | 98       |
| 71) Phenanthrene              | 17.369 | 178  | 1012065  | 44.952  | ng    | 99       |
| 72) Anthracene                | 17.463 | 178  | 1020907  | 44.649  | ng    | 100      |
| 73) Carbazole                 | 17.727 | 167  | 884299   | 43.865  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.303 | 149  | 1067217  | 42.462  | ng    | 99       |
| 75) Fluoranthene              | 19.378 | 202  | 1231505  | 45.077  | ng    | 97       |
| 77) Benzidine                 | 19.560 | 184  | 558293   | 54.116  | ng    | 98       |
| 78) Pyrene                    | 19.742 | 202  | 1274655  | 46.519  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.641 | 149  | 470781   | 47.099  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.570 | 228  | 1305410  | 47.268  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.487 | 252  | 336785   | 36.116  | ng    | 98       |
| 83) Chrysene                  | 21.634 | 228  | 1228380  | 46.147  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.499 | 149  | 682936   | 42.867  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.692 | 149  | 1185304  | 45.669  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.285 | 276  | 1556280  | 46.227  | ng    | # 96     |
| 88) Benzo(b)fluoranthene      | 23.738 | 252  | 1286021  | 46.823  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.802 | 252  | 1259409  | 44.800  | ng    | # 98     |
| 90) Benzo(a)pyrene            | 24.578 | 252  | 1210935  | 45.369  | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 28.356 | 278  | 1285222  | 45.286  | ng    | # 97     |
| 92) Benzo(g,h,i)perylene      | 29.396 | 276  | 1149035  | 41.621  | ng    | 96       |

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

