

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060823\  
 Data File : BM040156.D  
 Acq On : 08 Jun 2023 13:31  
 Operator : MA/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC060

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/09/2023  
 Supervised By :mohammad ahmed 06/13/2023

Quant Time: Jun 08 23:14:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM060823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 08 23:06:09 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.992  | 152  | 354104   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.804 | 136  | 1529051  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.633 | 164  | 912298   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.374 | 188  | 1816522  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.550 | 240  | 1898478  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.985 | 264  | 1968746  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.540  | 112  | 2724182  | 114.871 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.151  | 99   | 3726674  | 115.163 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.163  | 82   | 3427269  | 121.319 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.121 | 330  | 1914797  | 139.501 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.263 | 172  | 8497005  | 123.102 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.986 | 244  | 12121527 | 117.699 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.399  | 88   | 513735   | 54.551  | ng    | 98       |
| 3) Pyridine                   | 3.804  | 79   | 1590100m | 58.896  | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.722  | 42   | 600482   | 54.831  | ng    | 91       |
| 6) Aniline                    | 7.316  | 93   | 2314302  | 59.092  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.551  | 128  | 1517824  | 60.532  | ng    | 98       |
| 9) Benzaldehyde               | 7.122  | 77   | 866572   | 50.364  | ng    | 100      |
| 10) Phenol                    | 7.181  | 94   | 1840895  | 57.843  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.416  | 93   | 1466224  | 57.167  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.881  | 146  | 1501285  | 59.557  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 8.028  | 146  | 1533798  | 59.550  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.345  | 146  | 1522615  | 60.069  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.233  | 79   | 1312640  | 61.464  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.528  | 45   | 1834884  | 56.117  | ng    | 98       |
| 17) 2-Methylphenol            | 8.433  | 107  | 1395193  | 61.526  | ng    | 99       |
| 18) Hexachloroethane          | 9.081  | 117  | 556083   | 60.297  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 8.810  | 70   | 1179032  | 59.969  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.769  | 107  | 1921814  | 62.079  | ng    | 98       |
| 22) Acetophenone              | 8.822  | 105  | 2379759  | 59.596  | ng    | 98       |
| 24) Nitrobenzene              | 9.204  | 77   | 1737543  | 59.755  | ng    | 97       |
| 25) Isophorone                | 9.733  | 82   | 3325779  | 62.343  | ng    | 97       |
| 26) 2-Nitrophenol             | 9.916  | 139  | 831702   | 68.835  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 9.975  | 122  | 1475921  | 62.434  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.216 | 93   | 2074459  | 60.236  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.451 | 162  | 1430432  | 65.972  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.669 | 180  | 1400596  | 63.769  | ng    | 99       |
| 31) Naphthalene               | 10.857 | 128  | 4996692  | 60.670  | ng    | 100      |
| 32) Benzoic acid              | 10.145 | 122  | 1172528  | 61.947  | ng    | 95       |
| 33) 4-Chloroaniline           | 10.969 | 127  | 2353385  | 64.160  | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.145 | 225  | 742271   | 64.429  | ng    | 98       |
| 35) Caprolactam               | 11.774 | 113  | 518566   | 69.644  | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 12.086 | 107  | 1596768  | 63.417  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 12.463 | 142  | 3526545  | 61.922  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.680 | 142  | 3348612  | 62.349  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.827 | 216  | 1549641  | 64.072  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.810 | 237  | 863858   | 68.497  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.068 | 196  | 1110394  | 66.934  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.139 | 196  | 1335722  | 66.703 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.468 | 154  | 4456887  | 60.927 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.510 | 162  | 3395276  | 62.478 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.716 | 65   | 1045943  | 64.192 | ng    | 90       |
| 49) Acenaphthylene            | 14.357 | 152  | 5662816  | 62.850 | ng    | 99       |
| 50) Dimethylphthalate         | 14.092 | 163  | 4428854  | 62.242 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.210 | 165  | 938497   | 65.809 | ng    | 90       |
| 52) Acenaphthene              | 14.698 | 154  | 3421550  | 61.569 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.539 | 138  | 1185392  | 66.624 | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 14.739 | 184  | 537163   | 61.209 | ng    | # 87     |
| 55) Dibenzofuran              | 15.027 | 168  | 5351478  | 61.559 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.839 | 139  | 980398   | 68.033 | ng    | 91       |
| 57) 2,4-Dinitrotoluene        | 14.992 | 165  | 1319890  | 69.351 | ng    | 89       |
| 58) Fluorene                  | 15.674 | 166  | 4577878  | 62.912 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.251 | 232  | 1068713  | 68.256 | ng    | 93       |
| 60) Diethylphthalate          | 15.451 | 149  | 4505197  | 62.403 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.668 | 204  | 2234003  | 65.682 | ng    | 94       |
| 62) 4-Nitroaniline            | 15.704 | 138  | 1256568  | 66.298 | ng    | 96       |
| 63) Azobenzene                | 15.962 | 77   | 4102441  | 58.445 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 15.757 | 198  | 726630   | 71.315 | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 15.886 | 169  | 3883921  | 65.279 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.562 | 248  | 1266723  | 69.432 | ng    | 93       |
| 68) Hexachlorobenzene         | 16.680 | 284  | 1428020  | 68.248 | ng    | # 91     |
| 69) Atrazine                  | 16.833 | 200  | 1115644  | 68.611 | ng    | 97       |
| 70) Pentachlorophenol         | 17.021 | 266  | 1062587  | 69.181 | ng    | 99       |
| 71) Phenanthrene              | 17.415 | 178  | 6828852  | 64.519 | ng    | 99       |
| 72) Anthracene                | 17.509 | 178  | 7028229  | 66.560 | ng    | 100      |
| 73) Carbazole                 | 17.774 | 167  | 6576158  | 65.293 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.339 | 149  | 7570752  | 67.023 | ng    | 99       |
| 75) Fluoranthene              | 19.427 | 202  | 7727531  | 68.800 | ng    | 97       |
| 77) Benzidine                 | 19.609 | 184  | 2370956  | 69.088 | ng    | 99       |
| 78) Pyrene                    | 19.792 | 202  | 8313490  | 65.670 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.680 | 149  | 3495461  | 68.313 | ng    | 91       |
| 81) Benzo(a)anthracene        | 21.533 | 228  | 8551757  | 66.057 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.468 | 252  | 3059246  | 71.103 | ng    | 99       |
| 83) Chrysene                  | 21.591 | 228  | 8124497  | 66.247 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.456 | 149  | 5030837  | 66.578 | ng    | # 95     |
| 85) Di-n-octyl phthalate      | 22.391 | 149  | 8690290  | 70.822 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.544 | 276  | 10326443 | 69.954 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 23.244 | 252  | 8078403  | 67.752 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.297 | 252  | 8749252  | 70.208 | ng    | 97       |
| 90) Benzo(a)pyrene            | 23.885 | 252  | 8046026  | 70.661 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.556 | 278  | 9010614  | 70.709 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.326 | 276  | 7418125  | 67.767 | ng    | 96       |

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM060823.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 08 23:06:09 2023

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