Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112322\
Data File : BP012712.D
Acq On : 23 Nov 2022 16:06
Operator : CG/JU
Sample : N5740-02MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MH-12MS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

Quant Time: Nov 24 02:29:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 00:38:14 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.034 | 152 | 343864 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.852 | 136 | 1274444 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.669 | 164 | 733710 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.422 | 188 | 1555333 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.510 | 240 | 1752850 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.033 | 264 | 1871678 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.581 | 112 | 2710984 | 170.799 | ng | 0.00 |
| 7) Phenol-d6 | 7.181 | 99 | 3119522 | 137.044 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.199 | 82 | 1903668 | 83.306 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.157 | 330 | 1300666 | 136.494 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.293 | 172 | 4516020 | 87.689 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.969 | 244 | 7881491 | 95.565 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.458 | 88 | 396644 | 59.299 | ng | # 44 |
| 3) Pyridine | 3.858 | 79 | 957923 | 45.074 | ng | 96 |
| 4) n-Nitrosodimethylamine | 3.764 | 42 | 479758 | 51.619 | ng | # 88 |
| 6) Aniline | 7.352 | 93 | 1104097 | 38.368 | ng | 98 |
| 8) 2-Chlorophenol | 7.593 | 128 | 1077049 | 52.609 | ng | 99 |
| 9) Benzaldehyde | 7.164 | 77 | 500032 | 33.341 | ng | 98 |
| 10) Phenol | 7.211 | 94 | 1177371 | 45.390 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.452 | 93 | 1067730 | 47.143 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.922 | 146 | 1101937 | 43.314 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 8.069 | 146 | 1120227 | 42.873 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.387 | 146 | 1083881 | 42.693 | ng | 98 |
| 15) Benzyl Alcohol | 8.269 | 79 | 842525m | 52.060 | ng | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.569 | 45 | 1432806 | 42.692 | ng | 99 |
| 17) 2-Methylphenol | 8.469 | 107 | 853252 | 48.162 | ng | 98 |
| 18) Hexachloroethane | 9.122 | 117 | 370662 | 38.832 | ng | 94 |
| 19) n-Nitroso-di-n-propyla... | 8.840 | 70 | 724241 | 45.074 | ng | 96 |
| 20) 3+4-Methylphenols | 8.799 | 107 | 1108689 | 46.475 | ng | 98 |
| 22) Acetophenone | 8.858 | 105 | 1552414 | 49.899 | ng | 98 |
| 24) Nitrobenzene | 9.240 | 77 | 1074263 | 45.941 | ng | 98 |
| 25) Isophorone | 9.769 | 82 | 2067809 | 49.351 | ng | 99 |
| 26) 2-Nitrophenol | 9.957 | 139 | 450801 | 55.723 | ng | 98 |
| 27) 2,4-Dimethylphenol | 10.010 | 122 | 961336 | 66.910 | ng | 97 |
| 28) bis(2-Chloroethoxy)met... | 10.252 | 93 | 1293357 | 52.191 | ng | 98 |
| 29) 2,4-Dichlorophenol | 10.487 | 162 | 962421 | 48.821 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.710 | 180 | 997537 | 43.577 | ng | 98 |
| 31) Naphthalene | 10.899 | 128 | 3065040 | 44.313 | ng | 100 |
| 32) Benzoic acid | 10.069 | 122 | 137399 | 24.578 | ng | 99 |
| 33) 4-Chloroaniline | 11.005 | 127 | 311150 | 12.345 | ng | 98 |
| 34) Hexachlorobutadiene | 11.187 | 225 | 599403 | 41.727 | ng | 99 |
| 35) Caprolactam | 11.775 | 113 | 271180m | 49.270 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.116 | 107 | 958201 | 50.025 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.504 | 142 | 2102847 | 42.676 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.722 | 142 | 1994674 | 41.227 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.863 | 216 | 1128940 | 48.338 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.851 | 237 | 991483 | 89.260 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 13.099 | 196 | 770546 | 49.055 | ng | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.163 | 196 | 840991 | 55.638 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.504 | 154 | 2738904 | 49.346 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.546 | 162 | 2105459 | 47.902 | ng | | 99 |
| 48) 2-Nitroaniline | 13.746 | 65 | 451396 | 40.305 | ng | | 96 |
| 49) Acenaphthylene | 14.393 | 152 | 3318045 | 47.537 | ng | | 99 |
| 50) Dimethylphthalate | 14.122 | 163 | 2694395 | 49.908 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.240 | 165 | 514098 | 45.311 | ng | | 96 |
| 52) Acenaphthene | 14.734 | 154 | 2065672 | 46.697 | ng | | 97 |
| 53) 3-Nitroaniline | 14.563 | 138 | 385998 | 30.939 | ng | # | 99 |
| 54) 2,4-Dinitrophenol | 14.763 | 184 | 135738 | 33.111 | ng | | 95 |
| 55) Dibenzofuran | 15.069 | 168 | 3214008 | 46.713 | ng | | 100 |
| 56) 4-Nitrophenol | 14.863 | 139 | 1000670 | 88.531 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 15.022 | 165 | 691564 | 41.549 | ng | | 97 |
| 58) Fluorene | 15.716 | 166 | 2566817 | 45.376 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.287 | 232 | 758104 | 51.259 | ng | | 98 |
| 60) Diethylphthalate | 15.487 | 149 | 2567184 | 50.281 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.710 | 204 | 1276946 | 45.469 | ng | | 99 |
| 62) 4-Nitroaniline | 15.728 | 138 | 557128 | 43.146 | ng | | 98 |
| 63) Azobenzene | 16.004 | 77 | 2386787 | 44.354 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.781 | 198 | 177502 | 30.639 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.922 | 169 | 2210127 | 50.842 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.610 | 248 | 790690 | 49.703 | ng | | 98 |
| 68) Hexachlorobenzene | 16.722 | 284 | 947345 | 48.194 | ng | | 99 |
| 69) Atrazine | 16.875 | 200 | 789948 | 57.474 | ng | | 98 |
| 70) Pentachlorophenol | 17.063 | 266 | 1258967 | 110.761 | ng | | 100 |
| 71) Phenanthrene | 17.469 | 178 | 4223910 | 48.010 | ng | | 99 |
| 72) Anthracene | 17.557 | 178 | 4241585 | 50.738 | ng | | 99 |
| 73) Carbazole | 17.822 | 167 | 4077812 | 53.991 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.375 | 149 | 4635023 | 56.310 | ng | | 98 |
| 75) Fluoranthene | 19.422 | 202 | 5165723 | 49.769 | ng | | 99 |
| 77) Benzidine | 19.598 | 184 | 2976976 | 288.224 | ng | | 99 |
| 78) Pyrene | 19.775 | 202 | 5490495 | 47.444 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.645 | 149 | 1484430 | 76.917 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.492 | 228 | 5707050 | 48.176 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.422 | 252 | 1018899 | 37.393 | ng | | 99 |
| 83) Chrysene | 21.551 | 228 | 5381865 | 47.462 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.416 | 149 | 2643710 | 71.080 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.386 | 149 | 5004937 | 69.977 | ng | # | 87 |
| 87) Indeno(1,2,3-cd)pyrene | 26.692 | 276 | 7159568 | 54.616 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 23.263 | 252 | 6126394 | 48.917 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 23.316 | 252 | 6019363 | 46.891 | ng | | 100 |
| 90) Benzo(a)pyrene | 23.921 | 252 | 5351422 | 53.598 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 26.715 | 278 | 6159364 | 55.121 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 27.504 | 276 | 5943888 | 58.941 | ng | | 99 |

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

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