Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040423\
Data File : BG056973.D
Acq On : 4 Apr 2023 20:17
Operator : CG/JU
Sample : 02161-02MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-6MSD

**Manual Integrations APPROVED**
Reviewed By :Christian Giraldo 04/05/2023
Supervised By :Jagrut Upadhyay 04/05/2023

Quant Time: Apr 05 04:10:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 03:23:11 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.416 | 152 | 14145 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.253 | 136 | 57298 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 15.025 | 164 | 45913 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.768 | 188 | 118329 | 20.000 | ng | | # 0.00 |
| 76) Chrysene-d12 | 22.086 | 240 | 107846 | 20.000 | ng | | #-0.01 |
| 86) Perylene-d12 | 25.628 | 264 | 112075 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.925 | 112 | 120411 | 136.240 | ng | | 0.00 |
| 7) Phenol-d6 | 7.546 | 99 | 167339 | 126.594 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.591 | 82 | 119747 | 85.514 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.505 | 330 | 107904 | 147.113 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.656 | 172 | 290653 | 85.842 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.335 | 244 | 613844 | 96.315 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.740 | 88 | 14506 | 37.441 | ng | # | 54 |
| 3) Pyridine | 4.163 | 79 | 22157 | 17.756 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 4.057 | 42 | 25122 | 43.787 | ng | | 91 |
| 6) Aniline | 7.729 | 93 | 22266 | 13.176 | ng | | 99 |
| 8) 2-Chlorophenol | 7.969 | 128 | 43339 | 49.231 | ng | | 97 |
| 9) Benzaldehyde | 7.535 | 77 | 22664 | 27.336 | ng | | 93 |
| 10) Phenol | 7.570 | 94 | 57392 | 43.818 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.811 | 93 | 40374 | 43.274 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.304 | 146 | 44790m | 46.046 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.451 | 146 | 46356 | 47.218 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.774 | 146 | 44173 | 46.572 | ng | | 100 |
| 15) Benzyl Alcohol | 8.645 | 79 | 50484 | 45.963 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.933 | 45 | 52279m | 46.494 | ng | | |
| 17) 2-Methylphenol | 8.845 | 107 | 42598 | 45.586 | ng | | 89 |
| 18) Hexachloroethane | 9.514 | 117 | 16405 | 45.718 | ng | | 91 |
| 19) n-Nitroso-di-n-propyla... | 9.215 | 70 | 40226 | 42.545 | ng | # | 92 |
| 20) 3+4-Methylphenols | 9.168 | 107 | 58500 | 44.770 | ng | | 89 |
| 22) Acetophenone | 9.244 | 105 | 74047 | 43.430 | ng | # | 97 |
| 24) Nitrobenzene | 9.638 | 77 | 62717 | 43.807 | ng | | 99 |
| 25) Isophorone | 10.155 | 82 | 114865 | 43.076 | ng | | 98 |
| 26) 2-Nitrophenol | 10.354 | 139 | 25058 | 45.345 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.396 | 122 | 45255 | 46.383 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 10.631 | 93 | 56902 | 42.623 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.889 | 162 | 49610 | 47.279 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 11.112 | 180 | 50043 | 44.885 | ng | | 95 |
| 31) Naphthalene | 11.306 | 128 | 134098 | 42.937 | ng | | 97 |
| 32) Benzoic acid | 10.519 | 122 | 31044 | 46.320 | ng | | 88 |
| 34) Hexachlorobutadiene | 11.576 | 225 | 36331 | 43.380 | ng | | 96 |
| 35) Caprolactam | 12.164 | 113 | 13094m | 36.184 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.487 | 107 | 56323 | 47.997 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.880 | 142 | 104522 | 42.168 | ng | | 98 |
| 38) 1-Methylnaphthalene | 13.098 | 142 | 98635 | 42.378 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 13.239 | 216 | 71139 | 44.682 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 13.215 | 237 | 97787 | 111.473 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.468 | 196 | 47267 | 46.523 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.544 | 196 | 52489 | 43.610 | ng | | 97 |

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Quant Time: Apr 05 04:10:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 03:23:11 2023
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 46) | 1,1'-Biphenyl | 13.867 | 154 | 154691 | 46.026 | ng | | 96 |
| 47) | 2-Chloronaphthalene | 13.914 | 162 | 116149 | 46.726 | ng | | 96 |
| 48) | 2-Nitroaniline | 14.108 | 65 | 41104 | 46.245 | ng | | 96 |
| 49) | Acenaphthylene | 14.754 | 152 | 184999 | 45.297 | ng | | 98 |
| 50) | Dimethylphthalate | 14.461 | 163 | 167158 | 46.207 | ng | | 98 |
| 51) | 2,6-Dinitrotoluene | 14.590 | 165 | 36552 | 46.764 | ng | | 93 |
| 52) | Acenaphthene | 15.089 | 154 | 154547m | 54.867 | ng | | |
| 53) | 3-Nitroaniline | 14.919 | 138 | 10198 | 13.181 | ng | | 92 |
| 54) | 2,4-Dinitrophenol | 15.124 | 184 | 52465 | 119.253 | ng | | 89 |
| 55) | Dibenzofuran | 15.424 | 168 | 192296 | 45.486 | ng | | 97 |
| 56) | 4-Nitrophenol | 15.213 | 139 | 55970 | 97.833 | ng | | 95 |
| 57) | 2,4-Dinitrotoluene | 15.371 | 165 | 51460 | 46.680 | ng | | 87 |
| 58) | Fluorene | 16.064 | 166 | 164508 | 47.025 | ng | | 95 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.641 | 232 | 53623 | 48.931 | ng | # | 98 |
| 60) | Diethylphthalate | 15.812 | 149 | 168079 | 46.346 | ng | | 98 |
| 61) | 4-Chlorophenyl-phenyle... | 16.047 | 204 | 94812 | 46.161 | ng | | 99 |
| 62) | 4-Nitroaniline | 16.076 | 138 | 30983 | 38.653 | ng | | 94 |
| 63) | Azobenzene | 16.340 | 77 | 164878 | 45.619 | ng | | 99 |
| 65) | 4,6-Dinitro-2-methylph... | 16.135 | 198 | 35360 | 49.341 | ng | | 96 |
| 66) | n-Nitrosodiphenylamine | 16.258 | 169 | 135604 | 42.690 | ng | | 98 |
| 67) | 4-Bromophenyl-phenylether | 16.940 | 248 | 64618 | 44.135 | ng | | 97 |
| 68) | Hexachlorobenzene | 17.069 | 284 | 68754 | 47.499 | ng | | 98 |
| 69) | Atrazine | 17.192 | 200 | 43509 | 32.997 | ng | | 92 |
| 70) | Pentachlorophenol | 17.410 | 266 | 90150 | 86.812 | ng | | 98 |
| 71) | Phenanthrene | 17.809 | 178 | 276159 | 45.775 | ng | | 100 |
| 72) | Anthracene | 17.897 | 178 | 276302 | 44.676 | ng | | 99 |
| 73) | Carbazole | 18.162 | 167 | 242987 | 45.063 | ng | | 94 |
| 74) | Di-n-butylphthalate | 18.684 | 149 | 288550 | 46.212 | ng | | 99 |
| 75) | Fluoranthene | 19.795 | 202 | 336964 | 44.061 | ng | | 99 |
| 78) | Pyrene | 20.153 | 202 | 345276 | 46.289 | ng | | 98 |
| 80) | Butylbenzylphthalate | 21.016 | 149 | 116035 | 45.205 | ng | | 96 |
| 81) | Benzo(a)anthracene | 22.062 | 228 | 339478 | 45.489 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 21.956 | 252 | 19306 | 7.661 | ng | | 96 |
| 83) | Chrysene | 22.138 | 228 | 310466 | 44.431 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.921 | 149 | 165964 | 44.652 | ng | | 97 |
| 85) | Di-n-octyl phthalate | 23.237 | 149 | 274014 | 43.747 | ng | | 99 |
| 87) | Indeno(1,2,3-cd)pyrene | 29.722 | 276 | 376191 | 45.418 | ng | | 97 |
| 88) | Benzo(b)fluoranthene | 24.494 | 252 | 350102 | 49.955 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 24.570 | 252 | 339965 | 48.589 | ng | | 100 |
| 90) | Benzo(a)pyrene | 25.463 | 252 | 297961 | 43.265 | ng | # | 99 |
| 91) | Dibenzo(a,h)anthracene | 29.781 | 278 | 313047 | 45.980 | ng | | 97 |
| 92) | Benzo(g,h,i)perylene | 31.009 | 276 | 294154 | 44.123 | ng | | 98 |

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

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