Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090922\
Data File : BG054900.D
Acq On : 9 Sep 2022 17:00
Operator : CG/JU
Sample : N4528-01MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 01:59:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 10 01:53:42 2022
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PIT-10MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.144 | 152 | 33719 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.970 | 136 | 142424 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.783 | 164 | 104987 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.527 | 188 | 251278 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.828 | 240 | 241576 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.206 | 264 | 257844 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.688 | 112 | 260122 | 134.336 | ng | | 0.00 |
| 7) Phenol-d6 | 7.304 | 99 | 335639 | 126.746 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.319 | 82 | 225916 | 83.271 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.270 | 330 | 201245 | 153.402 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.403 | 172 | 592522 | 84.827 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.130 | 244 | 1122202 | 92.042 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.526 | 88 | 32177 | 34.800 | ng | # | 73 |
| 3) Pyridine | 3.943 | 79 | 77336 | 29.987 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.849 | 42 | 40369 | 36.210 | ng | | 93 |
| 6) Aniline | 7.463 | 93 | 100065 | 31.804 | ng | | 96 |
| 8) 2-Chlorophenol | 7.709 | 128 | 107305 | 50.721 | ng | | 96 |
| 9) Benzaldehyde | 7.275 | 77 | 47249m | 27.223 | ng | | |
| 10) Phenol | 7.333 | 94 | 119377 | 43.835 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.557 | 93 | 97286 | 44.418 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 8.033 | 146 | 104669 | 42.753 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.179 | 146 | 106740 | 43.224 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.503 | 146 | 105494 | 45.052 | ng | | 98 |
| 15) Benzyl Alcohol | 8.385 | 79 | 93553m | 48.901 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.667 | 45 | 129680 | 37.839 | ng | | 95 |
| 17) 2-Methylphenol | 8.591 | 107 | 94099 | 50.186 | ng | | 96 |
| 18) Hexachloroethane | 9.237 | 117 | 36833 | 41.132 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 8.949 | 70 | 83795 | 46.015 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.920 | 107 | 129243 | 49.708 | ng | | 96 |
| 22) Acetophenone | 8.973 | 105 | 165797 | 46.531 | ng | # | 95 |
| 24) Nitrobenzene | 9.366 | 77 | 116642 | 42.655 | ng | | 94 |
| 25) Isophorone | 9.883 | 82 | 245052 | 48.442 | ng | | 98 |
| 26) 2-Nitrophenol | 10.077 | 139 | 62462 | 51.710 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 10.130 | 122 | 109749 | 57.345 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.359 | 93 | 143016 | 49.615 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.618 | 162 | 114895 | 52.781 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.829 | 180 | 108710 | 43.700 | ng | | 98 |
| 31) Naphthalene | 11.023 | 128 | 332863 | 43.561 | ng | | 100 |
| 32) Benzoic acid | 10.377 | 122 | 10902m | 14.485 | ng | | |
| 33) 4-Chloroaniline | 11.135 | 127 | 36233 | 11.631 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.293 | 225 | 71053 | 44.579 | ng | | 95 |
| 35) Caprolactam | 11.910 | 113 | 36213m | 47.153 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.251 | 107 | 124893 | 52.466 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.621 | 142 | 246382 | 46.004 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.839 | 142 | 238625 | 45.795 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.980 | 216 | 142909 | 45.156 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.956 | 237 | 94596 | 56.362 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.221 | 196 | 96501 | 45.939 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.303 | 196 | 106885 | 45.308 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.620 | 154 | 348891 | 44.750 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.667 | 162 | 259012 | 43.745 | ng | | 98 |
| 48) 2-Nitroaniline | 13.873 | 65 | 80406 | 43.331 | ng | | 88 |
| 49) Acenaphthylene | 14.507 | 152 | 440622 | 45.096 | ng | | 99 |
| 50) Dimethylphthalate | 14.231 | 163 | 381689 | 47.190 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.355 | 165 | 82726 | 50.004 | ng | # | 84 |
| 52) Acenaphthene | 14.848 | 154 | 277000m | 44.135 | ng | | |
| 53) 3-Nitroaniline | 14.689 | 138 | 50035 | 27.017 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 14.901 | 184 | 27148 | 33.342 | ng | | 98 |
| 55) Dibenzofuran | 15.183 | 168 | 426137 | 46.206 | ng | | 98 |
| 56) 4-Nitrophenol | 15.007 | 139 | 110946 | 77.412 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 15.142 | 165 | 118102 | 51.611 | ng | # | 83 |
| 58) Fluorene | 15.829 | 166 | 360127 | 46.353 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.406 | 232 | 92161 | 43.338 | ng | | 96 |
| 60) Diethylphthalate | 15.582 | 149 | 383273 | 47.454 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.812 | 204 | 188206 | 49.105 | ng | | 97 |
| 62) 4-Nitroaniline | 15.853 | 138 | 81932 | 43.331 | ng | | 97 |
| 63) Azobenzene | 16.105 | 77 | 319107 | 41.573 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylph... | 15.912 | 198 | 35785 | 27.977 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 16.029 | 169 | 326802 | 45.098 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.711 | 248 | 134899 | 48.897 | ng | | 96 |
| 68) Hexachlorobenzene | 16.828 | 284 | 149845 | 48.316 | ng | | 96 |
| 69) Atrazine | 16.975 | 200 | 125700 | 49.170 | ng | | 98 |
| 70) Pentachlorophenol | 17.181 | 266 | 92676 | 54.998 | ng | | 98 |
| 71) Phenanthrene | 17.574 | 178 | 595314 | 44.474 | ng | | 100 |
| 72) Anthracene | 17.662 | 178 | 607293 | 46.664 | ng | | 99 |
| 73) Carbazole | 17.933 | 167 | 561207 | 46.805 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.467 | 149 | 680986 | 44.882 | ng | | 99 |
| 75) Fluoranthene | 19.578 | 202 | 740147 | 45.453 | ng | | 99 |
| 77) Benzidine | 19.754 | 184 | 94357 | 15.769 | ng | | 99 |
| 78) Pyrene | 19.942 | 202 | 750295 | 44.541 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.806 | 149 | 301034 | 42.844 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.805 | 228 | 728298 | 44.464 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.711 | 252 | 151717 | 26.419 | ng | | 98 |
| 83) Chrysene | 21.875 | 228 | 681820 | 43.536 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.681 | 149 | 444514 | 43.911 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.939 | 149 | 747534 | 43.544 | ng | # | 93 |
| 87) Indeno(1,2,3-cd)pyrene | 29.108 | 276 | 886175 | 45.272 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 24.125 | 252 | 774189 | 47.864 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.196 | 252 | 754285 | 46.337 | ng | | 98 |
| 90) Benzo(a)pyrene | 25.048 | 252 | 680008 | 49.208 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 29.172 | 278 | 769499 | 48.253 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.336 | 276 | 763414 | 47.386 | ng | | 95 |

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

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