Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082321\
Data File : BG049941.D
Acq On : 23 Aug 2021 20:15
Operator : CG/JU
Sample : M3463-11MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SWCS-20-0306MSD

**Manual Integrations APPROVED**
mohammad
8/24/2021 11:19:12 AM

Quant Time: Aug 24 02:28:17 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 23 16:13:24 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.980 | 152 | 29842 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.800 | 136 | 122950 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.636 | 164 | 83666 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.391 | 188 | 175146 | 20.000 | ng | | #-0.01 |
| 76) Chrysene-d12 | 21.668 | 240 | 148312 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 24.905 | 264 | 147373 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.537 | 112 | 149685 | 89.916 | ng | | 0.00 |
| 7) Phenol-d6 | 7.152 | 99 | 204228 | 81.044 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.155 | 82 | 197453 | 71.066 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.134 | 330 | 91306 | 74.246 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.256 | 172 | 345847 | 60.148 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.999 | 244 | 417589 | 51.137 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.369 | 88 | 24248 | 33.332 | ng | | 96 |
| 3) Pyridine | 3.780 | 79 | 59610 | 29.893 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.698 | 42 | 44519 | 41.519 | ng | # | 82 |
| 6) Aniline | 7.299 | 93 | 110928 | 41.535 | ng | | 94 |
| 8) 2-Chlorophenol | 7.546 | 128 | 93141 | 51.317 | ng | | 94 |
| 9) Benzaldehyde | 7.111 | 77 | 65760 | 39.109 | ng | # | 78 |
| 10) Phenol | 7.182 | 94 | 120797 | 49.472 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.393 | 93 | 76994 | 46.702 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.869 | 146 | 97024 | 46.675 | ng | | 93 |
| 13) 1,4-Dichlorobenzene | 8.016 | 146 | 97767 | 46.464 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.333 | 146 | 94031 | 47.173 | ng | | 94 |
| 15) Benzyl Alcohol | 8.227 | 79 | 102312 | 48.345 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.503 | 45 | 86287 | 46.062 | ng | | 95 |
| 17) 2-Methylphenol | 8.439 | 107 | 83033 | 51.641 | ng | | 96 |
| 18) Hexachloroethane | 9.061 | 117 | 38618 | 47.744 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 8.791 | 70 | 70929 | 42.061 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.768 | 107 | 112255 | 49.711 | ng | | 98 |
| 22) Acetophenone | 8.809 | 105 | 149138 | 44.648 | ng | # | 93 |
| 24) Nitrobenzene | 9.196 | 77 | 117681 | 40.139 | ng | | 92 |
| 25) Isophorone | 9.719 | 82 | 195607 | 39.453 | ng | | 97 |
| 26) 2-Nitrophenol | 9.907 | 139 | 53569 | 47.877 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.978 | 122 | 90565 | 54.765 | ng | | 92 |
| 28) bis(2-Chloroethoxy)met... | 10.201 | 93 | 106054 | 48.899 | ng | | 91 |
| 29) 2,4-Dichlorophenol | 10.454 | 162 | 96905 | 47.752 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.659 | 180 | 101364 | 45.364 | ng | | 97 |
| 31) Naphthalene | 10.853 | 128 | 279309 | 43.377 | ng | | 98 |
| 32) Benzoic acid | 10.154 | 122 | 47497 | 41.428 | ng | # | 74 |
| 33) 4-Chloroaniline | 10.965 | 127 | 72911 | 28.681 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.129 | 225 | 70714 | 43.550 | ng | | 96 |
| 35) Caprolactam | 11.752 | 113 | 28952m | 46.174 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.104 | 107 | 110577 | 47.172 | ng | # | 92 |
| 37) 2-Methylnaphthalene | 12.463 | 142 | 216680 | 44.670 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.680 | 142 | 195295 | 42.839 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 12.833 | 216 | 117720 | 47.753 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.803 | 237 | 89863 | 68.262 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.079 | 196 | 80427 | 48.393 | ng | | 91 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.156 | 196 | 89251 | 49.501 | ng | # | 86 |
| 46) 1,1'-Biphenyl | 13.467 | 154 | 268671 | 45.087 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.514 | 162 | 219091 | 46.032 | ng | | 98 |
| 48) 2-Nitroaniline | 13.720 | 65 | 78815 | 45.098 | ng | | 92 |
| 49) Acenaphthylene | 14.360 | 152 | 344592 | 45.681 | ng | | 96 |
| 50) Dimethylphthalate | 14.090 | 163 | 285555 | 45.237 | ng | | 97 |
| 51) 2,6-Dinitrotoluene | 14.213 | 165 | 62434 | 44.922 | ng | | 90 |
| 52) Acenaphthene | 14.707 | 154 | 206333 | 45.406 | ng | | 95 |
| 53) 3-Nitroaniline | 14.548 | 138 | 46217 | 34.099 | ng | # | 94 |
| 54) 2,4-Dinitrophenol | 14.771 | 184 | 75481 | 95.663 | ng | | 94 |
| 55) Dibenzofuran | 15.041 | 168 | 323178 | 43.839 | ng | | 99 |
| 56) 4-Nitrophenol | 14.883 | 139 | 85071 | 85.913 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.012 | 165 | 88894 | 45.538 | ng | | 92 |
| 58) Fluorene | 15.688 | 166 | 268956 | 44.887 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.276 | 232 | 72532 | 43.313 | ng | | 96 |
| 60) Diethylphthalate | 15.453 | 149 | 286585 | 45.140 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.676 | 204 | 145182 | 45.397 | ng | | 96 |
| 62) 4-Nitroaniline | 15.717 | 138 | 61542 | 44.141 | ng | | 89 |
| 63) Azobenzene | 15.970 | 77 | 274490 | 40.848 | ng | | 87 |
| 65) 4,6-Dinitro-2-methylph... | 15.782 | 198 | 49136 | 43.645 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 15.893 | 169 | 233418 | 47.166 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.575 | 248 | 100147 | 48.550 | ng | | 95 |
| 68) Hexachlorobenzene | 16.698 | 284 | 109350 | 47.715 | ng | | 96 |
| 69) Atrazine | 16.845 | 200 | 99748 | 50.388 | ng | | 99 |
| 70) Pentachlorophenol | 17.051 | 266 | 91142 | 74.168 | ng | | 94 |
| 71) Phenanthrene | 17.438 | 178 | 419939 | 45.573 | ng | | 96 |
| 72) Anthracene | 17.526 | 178 | 421207 | 46.544 | ng | | 99 |
| 73) Carbazole | 17.797 | 167 | 366366 | 42.745 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.343 | 149 | 450794 | 45.118 | ng | | 98 |
| 75) Fluoranthene | 19.447 | 202 | 472426 | 41.663 | ng | | 99 |
| 77) Benzidine | 19.624 | 184 | 265720 | 69.925 | ng | | 98 |
| 78) Pyrene | 19.811 | 202 | 468124 | 46.298 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.687 | 149 | 177520 | 46.100 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.650 | 228 | 419507 | 43.433 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.562 | 252 | 117948 | 41.824 | ng | | 97 |
| 83) Chrysene | 21.715 | 228 | 402860 | 43.634 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.539 | 149 | 240016 | 44.032 | ng | | 94 |
| 85) Di-n-octyl phthalate | 22.749 | 149 | 393830 | 42.769 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 28.617 | 276 | 493164 | 46.401 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 23.877 | 252 | 422741m | 43.737 | ng | | |
| 89) Benzo(k)fluoranthene | 23.941 | 252 | 413773 | 45.895 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.752 | 252 | 407448 | 46.581 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 28.670 | 278 | 421750 | 47.091 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 29.786 | 276 | 414955 | 47.292 | ng | | 97 |

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

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